

ONLINE SUPPLEMENTAL MATERIALS

Dysregulated long non-coding RNA in Sjögren's Disease impacts both interferon and adaptive immune responses

Michelle L. Joachims^{1,2,†}, Bhuwan Khatri^{1,†}, Chuang Li^{1,†}, Kandice L. Tessneer^{1,†}, John A. Ice^{2,†,‡}, Anna M. Stolarczyk¹, Nicolas Means³, Kiely M. Grundahl¹, Stuart B. Glenn¹, Jennifer A. Kelly¹, David M. Lewis⁴, Lida Radfar⁵, Donald U. Stone⁶, Joel M. Guthridge^{2,3,7}, Judith A. James^{2,3,7}, R. Hal Scofield^{2,7,8}, Graham B. Wiley¹, Jonathan D. Wren¹, Patrick M. Gaffney¹, Courtney G. Montgomery¹, Kathy L. Sivils^{2,§}, Astrid Rasmussen¹, A. Darise Farris², Indra Adrianto⁹, and Christopher J. Lessard^{1,3*}

¹Genes and Human Disease Research Program, Oklahoma Medical Research Foundation; Oklahoma City, OK, USA; ²Arthritis and Clinical Immunology Research Program, Oklahoma Medical Research Foundation; Oklahoma City, OK, USA; ³Department of Pathology, University of Oklahoma Health Sciences Center; Oklahoma City, OK, USA; ⁴Department of Oral and Maxillofacial Pathology, University of Oklahoma College of Dentistry; Oklahoma City, OK, USA; ⁵Oral Diagnosis and Radiology Department, University of Oklahoma College of Dentistry; Oklahoma City, OK, USA; ⁶Department of Ophthalmology, University of Oklahoma Health Sciences Center; Oklahoma City, OK, USA; ⁷Department of Medicine, University of Oklahoma Health Sciences Center; Oklahoma City, OK, USA; ⁸US Department of Veterans Affairs Medical Center; Oklahoma City, OK, USA; ⁹Center for Bioinformatics, Department of Public Health Sciences, Henry Ford Health System; Detroit, MI, USA.

*Corresponding Author:

825 NE 13th Street
Oklahoma City, OK 73104
Telephone: 405-271-2539
Fax: 405-271-2539
Email: chris-lessard@omrf.org

[†]These authors contributed equally to the manuscript

[‡]Current address: Department of Nutritional Sciences, Oklahoma State University, 301 Nancy Randolph Davis Building, Room 411, Stillwater, OK 74078, USA

[§]Current address: Translational Sciences, The Janssen Pharmaceutical Companies of Johnson & Johnson, Janssen Pharmaceutical R&D, 1400 McKean Rd, Spring House, PA 19477, USA

ONLINE SUPPLEMENTAL MATERIALS: TABLE of CONTENTS

Online Supplemental Materials and Methods	p. 3
Online Supplemental References	p. 12
Online Supplemental Note: URLs	p. 14
Online Supplemental Figures and Figure Legends	p. 15
Online Supplemental Tables (List)	p. 24

ONLINE SUPPLEMENTAL MATERIALS and METHODS

Subjects and Classification

All research received prior approval from the Institutional Review Boards at the Oklahoma Medical Research Foundation (OMRF IRB 12-03, 20-08). Informed consent was obtained prior to clinical evaluation at the University of Minnesota or OMRF Sjögren's Research Clinics [1]. The 2002 American-European Consensus Group (AECG) Criteria was used to classify SjD cases at enrollment (**Supplemental Table 1**) [2]. All HCs had no diagnosis of an autoimmune disease, were not taking immunomodulatory medications, and had no family history of autoimmunity. Oral, ocular, and physical exams included salivary flow measurements, labial salivary gland biopsies, Schirmer's tests, ocular surface staining, and review of systems. Anti-Ro autoantibodies were measured using BioRad Bioplex 2200 ANA assay (Hercules, CA).

Patient and Public Involvement

This study leveraged pre-existing banked whole blood RNA. Therefore, it was not appropriate or possible to involve patients or the public in the design, conduct, reporting, or dissemination plans of our research.

Peripheral Blood RNA Transcript Isolation

Whole blood RNA was collected into PAXGene tubes (BD) and extracted with on-column DNase digestion (Qiagen). Excess globin transcripts were removed using GLOBINclear™ (Ambion). RNA concentrations were measured by NanoDrop spectrophotometer. RNA quality was assessed using the RNA 6000 Nano kit (Bioanalyzer 2100, Agilent; RIN scores >8).

Peripheral Blood RNA-Sequencing, Quality Control Measures, and Statistical Analysis

Sequencing libraries were prepared using 250ng of whole-blood RNA (NuGEN Encore Complete RNA-seq Library kit). Paired-end 100bp RNA sequencing was performed on the Illumina HiSeq 2000, multiplexing 6 samples per lane (4 cases and 2 controls). FASTQC v0.11.5 was used to assess quality raw sequence data. Trimmomatic v0.35 was used to remove low-quality reads [3]. HISAT2 v.2.0.4 was used to align quality controlled FASTQ files to the human genome (GRCh38) [4]. Aligned files were sorted to bam files using SAMTOOLS v1.9 [5]. Read counts-per-gene or transcript were generated using featureCount v1.6.3 from the Subread package [6]. Transcripts with greater than zero mean read counts in at least one third of samples were retained. DESeq2 v1.30.1 [7] applied a negative binomial generalized linear model to identify differentially expressed transcripts ($\text{Log}_2\text{FC} \geq 1$ or ≤ -1 ; $P_{\text{adj}} \leq 0.05$). Gene annotation was performed using Ensembl release 102 in R package biomaRt [6].

Deconvolution Analyses of Peripheral Blood RNA-Sequencing Data

Raw reads were converted to FPKM for each sample by calculation of gene length using reference Homo_sapiens_GRCh38_106.gtf (Ensembl), calculation of average fragment length using PICARD, and using countToFPKM R package. Bioconductor package ‘quantiseqr’ was used for deconvolution. The FPKM count data were fed into quantiseqr, choosing TIL10 signature matrix for non-tumor data, and run for deconvolution. The TIL10 signature matrix was used to quantify 10 different immune cell types: B cells, classically activated (M1) macrophages, alternatively activated (M2) macrophages, monocytes, neutrophils, natural killer (NK) cells, non-regulatory (helper) CD4+ T cells, cytotoxic CD8+ T cells, regulatory CD4+ T (Treg) cells, myeloid dendritic cells, and other uncharacterized cells) in bulk blood transcriptomics data. The deconvoluted cell

fractions data were analyzed by ANOVA and pairwise t-test for multiple groups to assess differences between cell fractions in HC, SJD^{Ro+} and SJD^{Ro-} subjects (**Supplemental Figure 1**).

Pathway Analyses of Differentially Expressed pcRNAs

Gene Set Enrichment Analysis (GSEA) [8,9]: Two expression matrices were used to rank 12000 pcRNAs (top 6000 up- and down-regulated) by FC using SJD^{Ro+} vs. HC or SJD^{Ro-} vs. HC RNA-seq data. Using the GSEA stand-alone, 1604 gene sets were tested using the C2 Reactome Canonical Pathways comprised of curated gene sets downloaded from MSigDB (v7.4) using 1000 permutations per subphenotype. Weighted enrichment statistic and a *t*-test gene-ranking metric were reported (**Supplemental Tables 7-8**).

Blood Module Analysis [10–12]: Modular repertoire analysis was performed on normalized counts from whole blood RNA-seq datasets using BoodGen3Module in R. The reference modular repertoire consisted of 382 pre-determined co-expressed blood transcriptional modules arranged into 38 “aggregates” based on patterns of transcript abundance changes. Individual SJD cases were compared to HCs using the ‘individualcomparison’ function and were reported as the percentage of increased or decreased transcript expression relative to HCs (FC >1.5; absolute difference in expression values of 10). Heatmaps were generated using the ‘fingerprintplot’ function (**Figures 1G-L; Supplemental Figures 2B-D**).

Ingenuity Pathway Analysis (IPA): IPA (Qiagen; Ver. 52912811) was used to evaluate DE transcripts from the RNA-seq analyses for role in all available canonical pathways and visualized using the comparison analysis function (**Supplemental Figure 2A**). Z-scores calculated relative

to healthy controls (applied threshold: $-7 < z\text{-score} < 4$) and reported in tabular format (**Supplemental Tables 9-11, 25**).

Gene Ontology (GO) Pathway Analysis: The GO Enrichment Analysis web tool [13] was used to evaluate potential functional relationships between the DE transcripts from the RNA-seq analyses and reported as GO adjusted p-values (**Supplemental Table 19**). Note: All *RSAD2*-correlated transcripts ($r > 0.7$ or < -0.6) were input into the GO analysis.

***RSAD2* and *LINC01871* Correlation Analyses**

Five primary expression matrices were constructed using all aligned transcripts from normalized RNA-seq data: 1) All SjD cases and HCs; 2) All SjD cases; 3) All HCs; 4) Only SjD^{Ro+} cases; 5) Only SjD^{Ro-} cases. Pearson's correlation statistic r was calculated for each target gene (*RSAD2*: **Supplemental Table 13**; *LINC01871*: **Supplemental Table 18**) against all transcripts in a pairwise manner using `cor.test` function in R (significance threshold: $r \geq 0.65$ or ≤ -0.6 ; p-value < 0.05). Pairwise correlation matrices were visualized as correlograms using `CorrPlot` in R (**Figures 2A, 3A**).

Transcripts correlated with *RSAD2* were used to create an expression matrix for individual-level expression clustering and used to test transcripts that were both correlated with *RSAD2* and DE in the whole blood RNA-seq analyses (**Figures 2B**). Fold change expression of each transcript in SjD cases was calculated by dividing with the mean expression of that transcript in HCs followed by log transformation. Z-scores were computed for all correlated transcripts using `scale` function in R. K-means ($k = 3$) clustering was performed using `ComplexHeatmap` package in R.

Cell Culture and Stimulations

HSB-2 and Kasumi-3 cell lines (American Type Culture Collection; ATTC.org) were cultured per manufacturer instructions [14,15]. *Stimulations*: cells were resuspended (1×10^6 cells/mL) in complete media, and rested for 2h. Cells were stimulated using Universal Type I interferon (150U/mL; R&D Systems), IFN γ (2800U/mL; R&D Systems), or PMA/I (final concentration 100ng/mL and 1000ng/mL, respectively) for indicated time points. Where indicated, cells were pre-treated with FK506 (Tacrolimus), Rapamycin (both at 2.5 μ M in DMSO; Selleck Chemicals) or DMSO for 1h or overnight as indicated. At each timepoint, cells were pelleted and solubilized in TRIzol Reagent (ThermoFisher). Unstimulated cells at each point were used as normalization controls.

Isolation and stimulation of human CD3⁺ T cells

Human PBMCs were isolated from buffy coats (Oklahoma Blood Institute), frozen for viability in 90% FBS/10% DMSO, and stored in liquid nitrogen. PBMCs from 4 donors (2 male, 2 female) were thawed, washed twice in complete media (RPMI with 10%FBS and 1X Pen/Strep), and checked for viability using trypan blue staining. PBMC viability of >90% [Range: 91-99%] was confirmed, then human CD3⁺ T cells were purified by negative selection using the Human T cell enrichment kit (EasySep Negative selection, StemCell Technologies). T cell purity was assessed using flow cytometry for CD3⁺ cells (range: 92-99%). *PMA/I stimulations*: CD3⁺ T cells were treated for ~18h with either 2.5 μ M FK506 or DMSO in complete media, then plated, stimulated with PMA/I, and harvested at indicated timepoints. *Anti-CD3/CD28 stimulations*: CD3⁺ T cells were treated ~18h with FK506 or DMSO as above then incubated with anti-CD3/CD28

activator beads (Dynabeads Human T Activator; Invitrogen) and harvested at indicated timepoints. Unstimulated cells at each point were used as normalization controls.

RNA purification, cDNA Synthesis, and RT-qPCR

RNA was extracted from TRIzol-solubilized cells using column-based purification (ZymoResearch, Irving, CA). RNA was quantified using Quant-iT RiboGreen RNA assay (Thermo Fisher) and quality assessed by TapeStation (Agilent). cDNA was synthesized using iScript cDNA synthesis kit (Bio-Rad, CA) and quantitated by Quant-It PicoGreen dsDNA assay (Thermo Fisher). Quantitative real-time PCR (qPCR) was performed using SYBR Green I Master Mix (Roche) with validated primers (**Supplemental Table 26**) in duplicates. Cycle and melting curves were analyzed to ensure amplification of a unique target amplicon. Relative expression of the target transcript to reference genes was analyzed by comparative CT method [16] and statistical comparisons were made using unpaired t-tests (for normally distributed data) or Mann-Whitney tests (non-normally distributed). All statistical calculations were performed using GraphPad Prism (GraphPad Software, La Jolla California USA).

Bioinformatics Analysis of *LINC01871*

LncRNAs of interest were visualized using ENCODE and other datasets using the UCSC Genome Browser (hg19 for *Homo sapiens*) to assess gene features. GeneFriends [17], FuncPred [18], and lncRNA2function [19] were used to assess co-expression networks using publicly available data from disparate RNA-seq studies (**Supplemental Tables 15-17**). Multiple queries were performed using available annotations (e.g., HGNC gene symbol, Ensembl ID, Entrez ID) to ensure the

transcript presence or absence in each database. GSEA and IPA were performed as previously described.

Analysis of single cell RNA-sequencing data from minor salivary gland cells

Previously published single cell RNA-sequencing data from the minor salivary gland was obtained from the COVID 19 Cell Atlas (<https://www.covid19cellatlas.org/>) dbGaP dataset (phs002446.v1.p1) [20,21]. The data (.h5ad file) was converted into an Robject using R package 'sceasy'. Seurat functions 'DimPlot' was used to generate subpopulations (**Supplemental Figure 3I**). 'FeaturePlot' was used to assess expression of *LINC01871* in cell subpopulations and 'VlnPlot' to create violin plots of *LINC01871* expression subpopulations of minor salivary gland cells (**Supplemental Figure 3I, J**).

CRISPR editing of the *LINC01871* locus in HSB-2 Cells

A pool of 4 CRISPR guides, designed using CRISPOR [22] were selected to target the *LINC01871* locus (**Supplemental Figure 4A; Supplemental Table 20**). Guide RNAs (crRNAs) and ATTO-550 labeled tracrRNA (IDT) were used as ribonucleoprotein complexes (RNPs) with the Alt-R CRISPR-Cas9 enzyme (IDT) for transfection of HSB-2 cells with the Neon Transfection System (ThermoFisher) following the RNP protocol from IDT. Single ATTO-550 expressing cells were sorted 24h post-transfection into 96-well plates containing 50% HSB-2 conditioned media using a Mo-Flo XDP cell sorter (Beckman Coulter). Single cell clones were expanded for ~3 weeks before use.

Cas-mediated PCR-free enrichment for Nanopore sequencing

Cas-mediated PCR-free enrichment was performed using a modified Nanopore protocol [23]. Genomic DNA was extracted from 5×10^6 HSB-2 cells using the Gentra Puregene Cell Kit (QIAGEN). CHOPCHOP (83) was used to design four crRNA probes targeting upstream and downstream of *LINC01871* (**Supplemental Figure 4C; Supplemental Table 22**). Alt-R CRISPR-Cas9 crRNAs, Alt-R CRISPR-Cas9 tracrRNA, and Alt-R S.p. HiFi Cas9 Nuclease V3 (IDT) were used to create RNPs. Ligation Sequencing Kit (Nanopore) and NEBNext Quick T4 DNA ligase (NEB) were used for sequencing adapter ligation and DNA purified by bead clean-up (Agencourt AMPure XP beads (Beckman Coulter) at 0.3x volume). Libraries were sequenced on an Oxford Nanopore MinION Flongle flowcell, running for 24h with onboard basecalling set to “High Accuracy”, then raw reads were aligned to the human hg38 reference genome using minimap2.

Characterization of CRISPR-edited *LINC01871*^{-/-} HSB-2 cells (clone 4121)

Growth curve experiments: Log phase HSB-2 and *LINC01871*^{-/-} cells were suspended in fresh media (RPMI, 10% FBS, penicillin/streptomycin) at a density of 0.5×10^6 cells/mL, then 2 mL (1.0×10^6 cells) were added to each well of a 24-well plate. Cell number and viability were assessed at indicated timepoints. *Surface and intracellular protein levels:* Flow cytometry was used to assess protein levels in 1×10^6 unmodified HSB-2 cells and *LINC01871*^{-/-} cells using antibodies to the following proteins: CD8a, CD44, CD226, CD183 (*CXCR3*), and CD30 (*TNFRSF8*) from BD Biosciences; T-Bet (*TBX21*) and Aiolos (*IKZF3*) from Biolegend (**Supplemental Table 27**). Respective isotype control antibodies were included and used to determine gating. Prior to intracellular protein staining and flow cytometry, cells were fixed and permeabilized using BD Fix and Perm Kit (BD Biosciences). Flow cytometric data was collected with FACSCelesta (BD Biosciences) and analyzed with FlowJo V10 (Ashland, OR). GraphPad Prism was used for

statistical analysis of mean fluorescence intensity (MFI) data. Isotype control staining was minimal and approximately equal in unmodified HSB-2 cells and *LINC01871*^{-/-} cells; therefore, total gated events were used for MFI analyses. *Secreted protein levels*: LEGENDplex assay (Biolegend) hematopoietic stem cell panel and vascular inflammation panel 1 were used to assess secreted protein levels in supernatants collected from unmodified HSB-2 and *LINC01871*^{-/-} cells at the 96h time point of the growth curve assay. Analyte values were compared using an unpaired t-test (GraphPad Prism).

***LINC01871*^{-/-} RNA-seq Analysis, Quality Control, and Statistical Analysis**

Sequencing libraries were prepared and RNA-sequencing performed in triplicate as described in the whole-blood RNA-seq protocol using 250ng of total RNA from the *LINC01871*^{-/-} and HSB-2 cell lines. An average of 58,052 transcripts per sample was obtained from the RNA-seq experiment. DESeq2 v1.24 [7] applied a negative binomial generalized linear model to identify DE transcripts with a $\text{Log}_2\text{FC} \geq 1.0$ or ≤ -1.0 and $P_{\text{adj}} \leq 0.05$. All analyses were performed in the R Bioconductor suite.

ONLINE SUPPLEMENTAL REFERENCES

- 1 Rasmussen A, Ice JA, Li H, *et al.* Comparison of the American-European Consensus Group Sjögren's syndrome classification criteria to newly proposed American College of Rheumatology criteria in a large, carefully characterised sicca cohort. *Annals of the Rheumatic Diseases*. 2014;**73**:31–8. doi:10.1136/annrheumdis-2013-203845
- 2 Vitali C, Bombardieri S, Jonsson R, *et al.* Classification criteria for Sjögren's syndrome: a revised version of the European criteria proposed by the American-European Consensus Group. *Annals of the Rheumatic Diseases* 2002;**61**:554. doi:10.1136/ARD.61.6.554
- 3 Bolger AM, Lohse M, Usadel B. Trimmomatic: a flexible trimmer for Illumina sequence data. *Bioinformatics* 2014;**30**:2114. doi:10.1093/BIOINFORMATICS/BTU170
- 4 Kim D, Paggi JM, Park C, *et al.* Graph-based genome alignment and genotyping with HISAT2 and HISAT-genotype. *Nat Biotechnol* 2019;**37**:907–15. doi:10.1038/S41587-019-0201-4
- 5 Li H, Handsaker B, Wysoker A, *et al.* The Sequence Alignment/Map format and SAMtools. *Bioinformatics* 2009;**25**:2078–9. doi:10.1093/BIOINFORMATICS/BTP352
- 6 Durinck S, Spellman PT, Birney E, *et al.* Mapping identifiers for the integration of genomic datasets with the R/Bioconductor package biomaRt. *Nature Protocols* 2009 **4**:8 2009;**4**:1184–91. doi:10.1038/nprot.2009.97
- 7 Osabe T, Shimizu K, Kadota K. Differential expression analysis using a model-based gene clustering algorithm for RNA-seq data. *BMC Bioinformatics* 2021;**22**. doi:10.1186/S12859-021-04438-4
- 8 Subramanian A, Kuehn H, Gould J, *et al.* GSEA-P: a desktop application for Gene Set Enrichment Analysis. *Bioinformatics* 2007;**23**:3251–3. doi:10.1093/BIOINFORMATICS/BTM369
- 9 Subramanian A, Tamayo P, Mootha VK, *et al.* Gene set enrichment analysis: a knowledge-based approach for interpreting genome-wide expression profiles. *Proc Natl Acad Sci U S A* 2005;**102**:15545–50. doi:10.1073/PNAS.0506580102
- 10 Rinchai D, Roelands J, Toufiq M, *et al.* BloodGen3Module: Blood transcriptional module repertoire analysis and visualization using R. *Bioinformatics* 2021;**37**:2382–9. doi:10.1093/BIOINFORMATICS/BTAB121
- 11 Li S, Roupnel N, Duraisingham S, *et al.* Molecular signatures of antibody responses derived from a systems biology study of five human vaccines. *Nat Immunol* 2014;**15**:195–204. doi:10.1038/NI.2789
- 12 Chaussabel D, Quinn C, Shen J, *et al.* A modular analysis framework for blood genomics studies: application to systemic lupus erythematosus. *Immunity* 2008;**29**:150–64. doi:10.1016/J.IMMUNI.2008.05.012
- 13 Carbon S, Douglass E, Dunn N, *et al.* The Gene Ontology Resource: 20 years and still GOing strong. *Nucleic Acids Res* 2019;**47**:D330–8. doi:10.1093/NAR/GKY1055
- 14 Wright DD, Sefton BM, Kamps MP. Oncogenic activation of the Lck protein accompanies translocation of the LCK gene in the human HSB2 T-cell leukemia. *Mol Cell Biol* 1994;**14**:2429–37. doi:10.1128/MCB.14.4.2429-2437.1994
- 15 Burnett R, Thirman M, Rowley J, *et al.* Molecular Analysis of the T-Cell Acute Lymphoblastic Leukemia-Associated t(1;7)(p34;q34) That Fuses LCK and TCRB. *Blood* 1994;**84**:1232–6. doi:10.1182/BLOOD.V84.4.1232.1232

- 16 Schmittgen TD, Livak KJ. Analyzing real-time PCR data by the comparative C(T) method. *Nat Protoc* 2008;**3**:1101–8. doi:10.1038/NPROT.2008.73
- 17 van Dam S, Craig T, de Magalhães JP. GeneFriends: a human RNA-seq-based gene and transcript co-expression database. *Nucleic Acids Res* 2015;**43**:D1124–32. doi:10.1093/NAR/GKU1042
- 18 Perron U, Provero P, Molineris I. In silico prediction of lncRNA function using tissue specific and evolutionary conserved expression. *BMC Bioinformatics* 2017;**18**. doi:10.1186/S12859-017-1535-X
- 19 Jiang Q, Ma R, Wang J, *et al.* LncRNA2Function: a comprehensive resource for functional investigation of human lncRNAs based on RNA-seq data. *BMC Genomics* 2015;**16 Suppl 3**. doi:10.1186/1471-2164-16-S3-S2
- 20 Huang N, Pérez P, Kato T, *et al.* SARS-CoV-2 infection of the oral cavity and saliva. *Nat Med* 2021;**27**:892–903. doi:10.1038/S41591-021-01296-8
- 21 Yin H, Pranzatelli TJF, French BN, *et al.* Sclerosing Sialadenitis Is Associated With Salivary Gland Hypofunction and a Unique Gene Expression Profile in Sjögren’s Syndrome. *Front Immunol* 2021;**12**. doi:10.3389/FIMMU.2021.699722
- 22 Haeussler M, Schönig K, Eckert H, *et al.* Evaluation of off-target and on-target scoring algorithms and integration into the guide RNA selection tool CRISPOR. *Genome Biology* 2016;**17**:1–12. doi:10.1186/S13059-016-1012-2/FIGURES/5
- 23 Watson CM, Crinnion LA, Simmonds J, *et al.* Long-read nanopore sequencing enables accurate confirmation of a recurrent PMS2 insertion-deletion variant located in a region of complex genomic architecture. *Cancer Genet* 2021;**256–257**:122–6. doi:10.1016/J.CANCERGEN.2021.05.012
- 24 Labun K, Montague TG, Krause M, *et al.* CHOPCHOP v3: expanding the CRISPR web toolbox beyond genome editing. *Nucleic Acids Res* 2019;**47**:W171–4. doi:10.1093/NAR/GKZ365

ONLINE SUPPLEMENTAL NOTE

URLs for publicly available data leveraged in this study:

Blueprint Epigenome Cell Type-Specific RNA-seq Data: <http://www.blueprint-epigenome.eu/>

Comprehensive Gene Annotation of *LINC01871* using UCSC Genome Browser on Human (GRCh37/hg19): https://genome.ucsc.edu/cgi-bin/hgTracks?db=hg19&lastVirtModeType=default&lastVirtModeExtraState=&virtModeType=default&virtMode=0&nonVirtPosition=&position=chr2%3A7857202%2D7879278&hgsid=1312519475_jaGeccDa6NZay86DsW80Qlm0CPEl

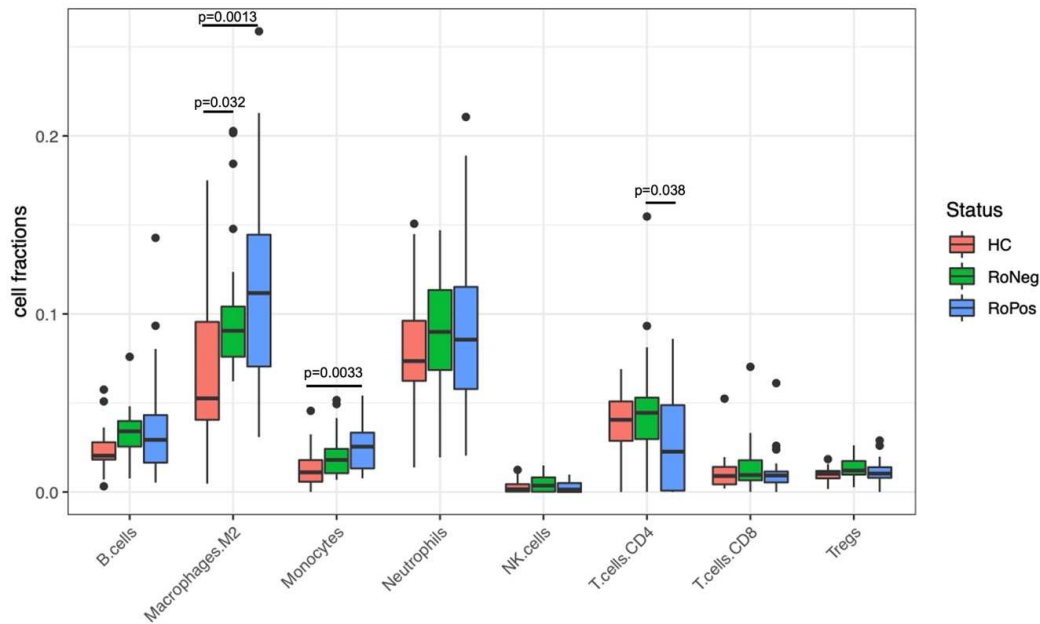
Databases of Genotypes and Phenotypes (dbGaP): <https://www.ncbi.nlm.nih.gov/gap;phs002446.v1.p1>

FASTQC v0.11.5: <http://www.bioinformatics.babraham.ac.uk/projects/fastqc/>

GraphPad Software: www.graphpad.com

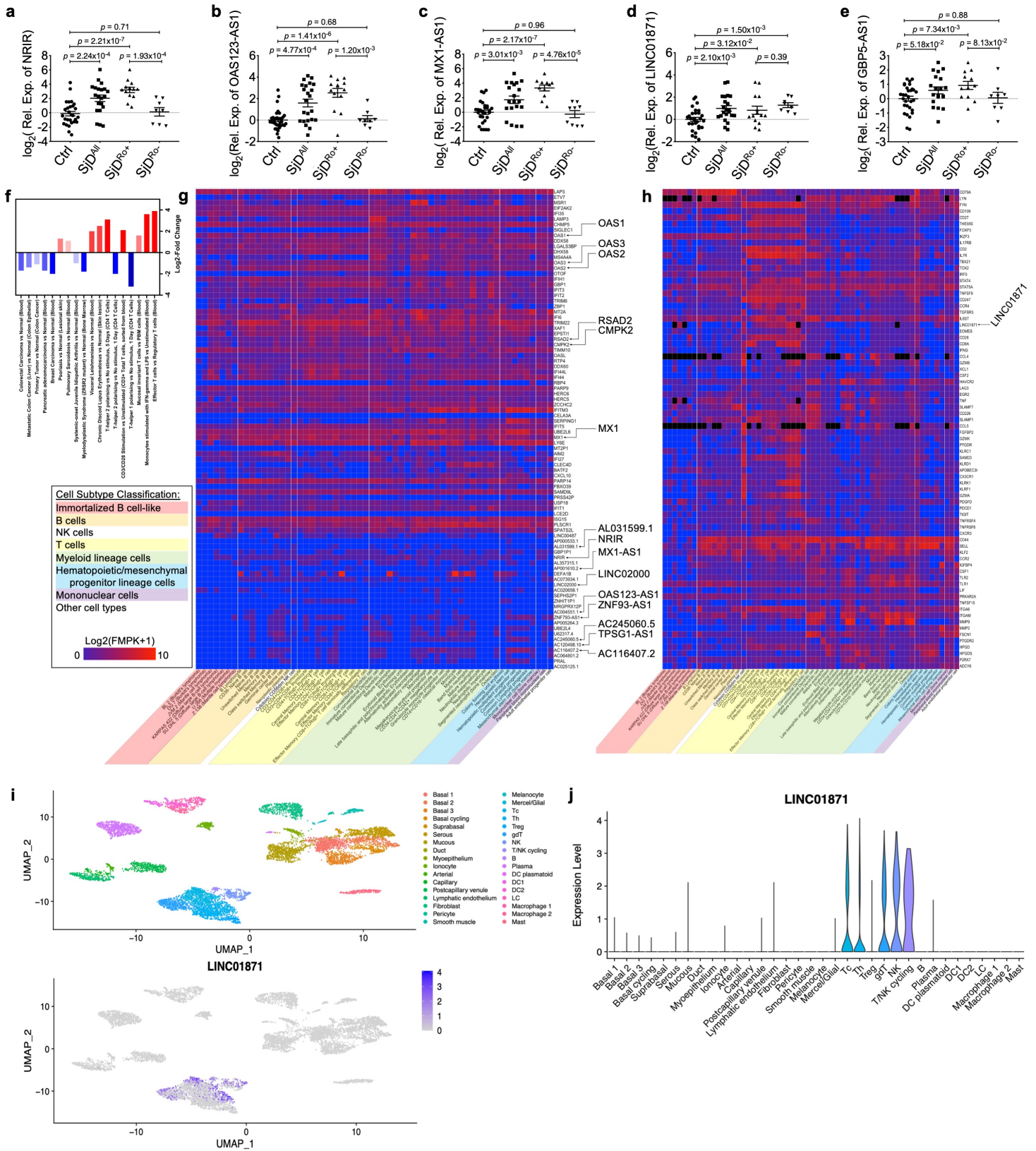
NCBI Gene Expression Omnibus: <https://www.ncbi.nlm.nih.gov/geo/>

ONLINE SUPPLEMENTAL FIGURES

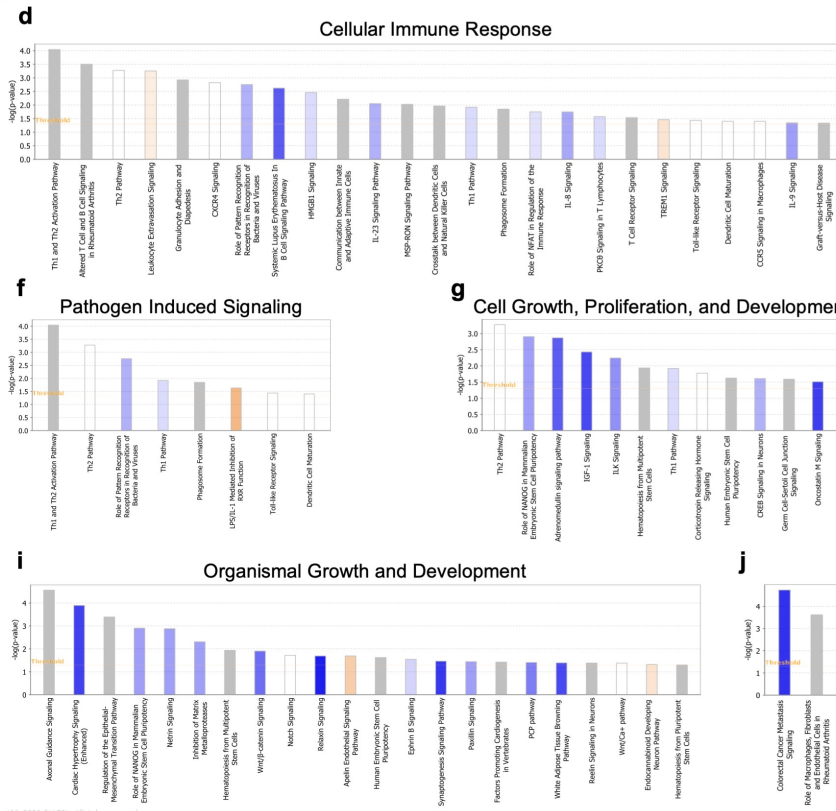
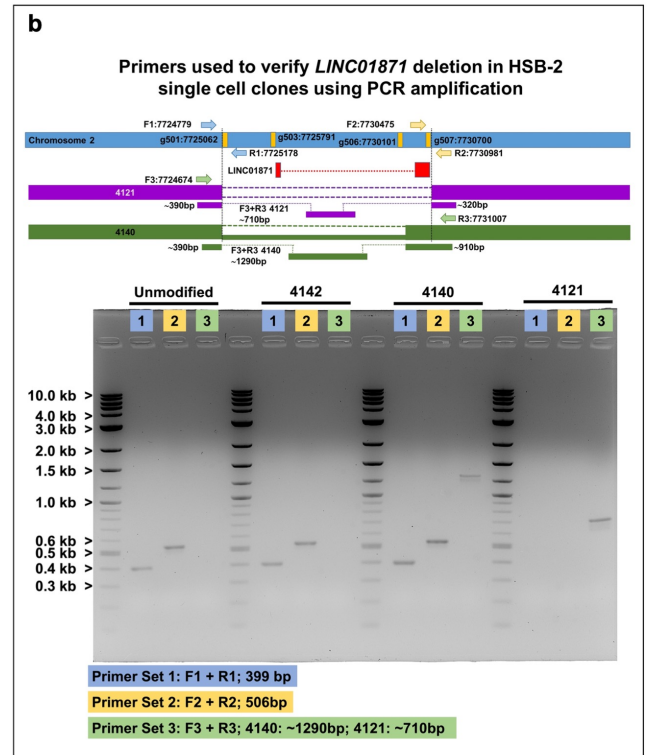
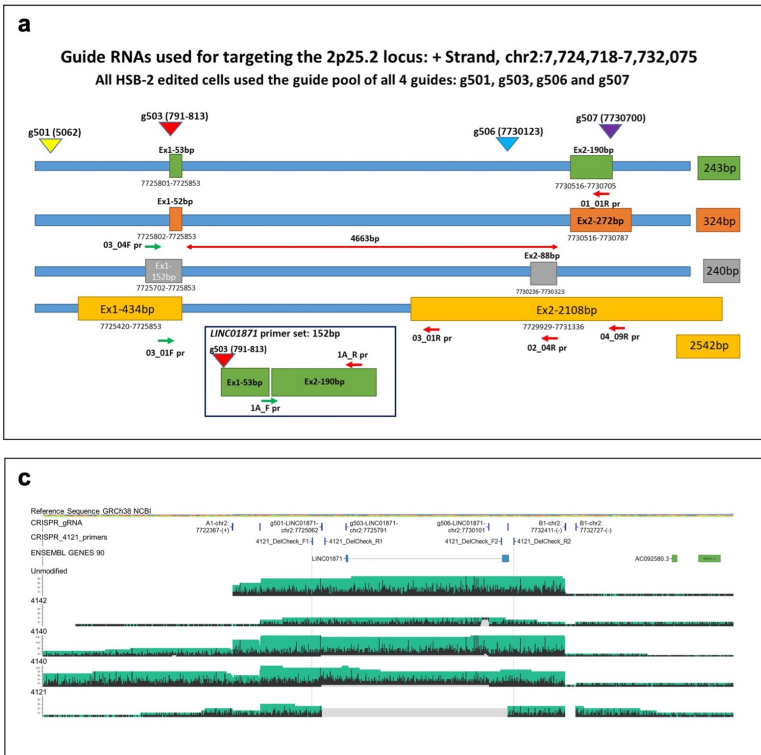


Supplemental Figure 1. Immune cell type composition in whole blood samples of Sjd^{R0+}, Sjd^{R0-}, and healthy control (HC) subjects. Deconvolution of bulk RNA-seq reads was performed using quanTIseq and the RNA-seq-derived signature matrix to quantify 10 different immune cell types from each dataset. Statistical significance determined by pairwise t-test analysis; significant p-values are indicated.

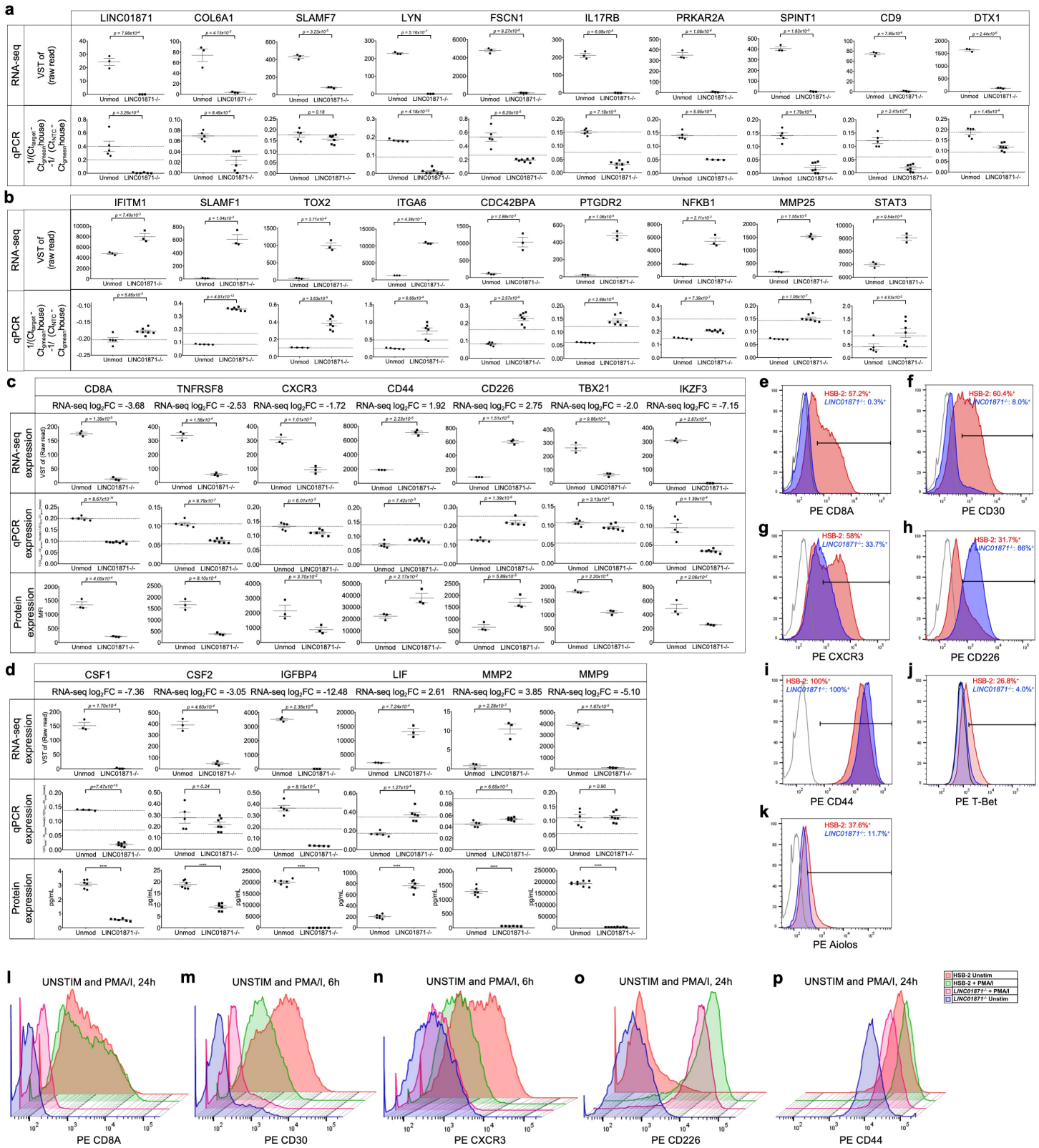
Supplemental Figure 2. Bioinformatic analyses of differently expressed transcripts identified Sjögren's disease subphenotype-specific differences in implicated disease pathways. (A) Ingenuity Pathway Analysis (IPA) Program identified canonical pathways that were enriched for the differentially expressed transcripts in the SjD^{All} vs. HC, SjD^{Ro+} vs. HC, and SjD^{Ro-} vs. HC RNA-seq analyses. Analyses were reported as a z-score relative to the HC (applied threshold of z-score >7 and < 4). (B-D) Complete blood module analyses reported as fingerprint heatmaps displaying annotated module aggregates across individual SjD^{Ro+} (B, purple; C) or SjD^{Ro-} (B, green; D) subjects arranged via hierarchical clustering. Color gradient indicates the proportion of DE transcripts, where at least 20% of constitutive transcripts were DE in at least one subject. Color gradient indicates the proportion of DE transcripts ranging from red (100% of transcripts increased) to blue (100% of transcripts decreased), respective to HCs, in each indicated module.



Supplemental Figure 3. Whole blood RNA-seq identified several long non-coding RNAs that are differentially expressed in Sjögren's disease. (A-E) Independent replication of differentially expressed (DE) lncRNAs from independent whole blood RNA samples (n=14 SjD^{Ro+}; n=8 SjD^{Ro-}; n=24 HC) using qPCR: **(A)** *NRIR*, **(B)** *OAS123-AS1*, **(C)** *MX1-AS1*, **(D)** *LINC01871*, **(E)** *GBP5-AS1*. qPCR analyses were normalized to the house-keeping transcript, *HMBS*, and expressed as natural log-transformed values. Statistical significance determined by unpaired t-test; significant p-values are indicated. **(F)** Data derived from the Gene Expression Atlas database (ENSG00000235576; LINC01871) indicating the relative gene expression of *LINC01871* in various cells and tissues/diseases. Blue bars indicate negative correlation with *LINC01871* expression. Red bars indicate positive correlation with *LINC01871* expression. **(G)** Blueprint Epigenome RNA-seq data from 62 cell types was leveraged to identify immune cell type-specific expression patterns of 91 DE transcripts from the SjD whole blood RNA-seq analyses that have established roles in type I and II interferon signaling or were correlated with *RSAD2* expression. **(H)** Blueprint Epigenome RNA-seq data from 62 cell types was leveraged to identify immune cell type-specific expression patterns of 76 differentially expression transcripts that correlated with *LINC01871* expression. Blueprint Epigenome RNA-seq data in **(G)** and **(H)** are shown as heatmaps of log₂(FMPK+1) values. **(I)** UMAP of published single cell RNA sequencing data from minor salivary glands (dbGaP phs002446.v1.p1) delineates cell population contribution by cell type. **(J)** Cell type-specific expression level of *LINC01871* detected in single cell RNA-seq data from minor salivary gland shown in I.



Supplemental Figure 4. RNA-seq analysis of CRISPR-targeted deletion of *LINC01871* in HSB-2 cells identified differentially expressed transcripts that implicate *LINC01871* function in several pathways. (A) Schematic depiction of the position of the guide RNAs used to target the *LINC01871* interval for CRISPR editing. (B) Schematic depiction of the primers used to distinguish the different CRISPR-edits in the single cell clones 4142, 4140, and 4121 (hereafter *LINC01871*^{-/-}), compared to the unmodified parental HSB-2 cell line using PCR amplification and representative image of the PCR amplification to distinguish the single cell clones 4142, 4140, and 4121, compared to the unmodified parental HSB-2 cell line. (C) Oxford Nanopore minion sequencing of CRISPR-targeted single clones 4142, 4140, and 4121, compared to unmodified HSB-2 cells. Clone 4121 showed homozygous deletion of *LINC01871* locus, while clone 4140 showed a heterozygous deletion of *LINC01871* and clone 4142 showed incomplete deletion of one strand of DNA. (D-J) Ingenuity Pathway Analysis (IPA) of the differentially expressed transcripts from the *LINC01871*^{-/-} (clone 4121) v. unmodified parental HSB-2 RNA-seq analysis implicated *LINC01871* function in several canonical pathways involved in (D) cellular immune response, (E) cytokine signaling, (F) pathogen-induced signaling, (G) cell growth, proliferation, and development, (H) apoptosis and cancer signaling, (I) organismal growth and development, and (J) disease-specific pathways. Analyses reported as $-\log(p\text{-value})$ with applied threshold of >1.5 .



Supplemental Figure 5. *LINC01871* deletion in HSB-2 cells significantly altered the expression of immune regulatory transcripts, growth factors, secreted inflammatory modulators, surface and intracellular proteins, and response to PMA/I stimulation. (A-D) RT-qPCR was performed using independent biological samples of *LINC01871*^{-/-} cells and unmodified parental HSB-2 cells to measure the expression of **(A,B)** select immune regulatory transcripts (A: *LINC01871*, *COL6A1*, *SLAMF7*, *LYN*, *FSCN1*, *IL17RB*, *PRKAR2A*, *SPINT1*, *CD9*, *DTX1*; B: *IFITM1*, *SLAMF1*, *TOX2*, *ITGA6*, *CDC42BPA*, *PTGDR2*, *NFKB1*, *MMP25*, *STAT3*), **(C)** transcripts of key T cell regulatory proteins (*CD8A*, *TNFRSF8*, *CXCR3*, *CD44*, *CD226*, *TBX21*, *IKZF3*), and **(D)** growth factors and inflammatory modulator transcripts (*CSF1*, *CSF2*, *IGFBP4*, *LIF*, *MMP2*, *MMP9*). **(C)** Flow cytometry was used to measure protein levels of key T cell regulatory proteins (displayed as mean fluorescence intensity (MFI)) in *LINC01871*^{-/-} cells and unmodified parental HSB-2 cells. **(D)** Legendplex Multiplex bead-based ELISA assay was used to measure soluble/secreted protein levels (reported as pg protein/mL) in the supernatants of *LINC01871*^{-/-} cells and unmodified parental HSB-2 cell lines collected at the 96h timepoint of the growth curve assay. Statistical significance determined by unpaired t-test and p-values indicated in A-D. **(E-K)** Representative flow histograms of the flow cytometry analyses performed to measure surface cell markers/proteins ((E) CD8A, (F) CD30, (G) CXCR5, (H) CD226, (I) CD44) or intracellular proteins ((J) T-bet, (K) Aiolos) in *LINC01871*^{-/-} cells and unmodified parental HSB-2 cells. Gray unfilled histograms are antibody-specific isotype controls; red filled histograms show expression in unmodified parental HSB-2 cells; blue filled histograms show expression in *LINC01871*^{-/-} cells. **(L-P)** Representative flow histograms of the flow cytometry analysis performed to measure changes in cell surface marker/protein expression ((L) CD8A, (M) CD30, (N) CXCR3, (O) CD226, (P) CD44) in *LINC01871*^{-/-} cells and unmodified parental HSB-2 cells after PMA/I stimulation time course. Representative flow histograms show the peak expression time point for each respective protein.

LIST OF ONLINE SUPPLEMENTAL TABLES

Supplemental Table 1. Clinical and demographic information of whole blood RNA-seq SjD cases and healthy controls (HCs).

Supplemental Table 2. Differentially expressed transcripts from the whole blood RNA-seq analysis of all SjD cases compared to healthy controls (SjD^{All} vs. HC analysis).

Supplemental Table 3. Differentially expressed transcripts from the whole blood RNA-seq analysis of the anti-Ro positive SjD cases compared to healthy controls (SjD^{Ro+} vs. HC analysis).

Supplemental Table 4. Differentially expressed transcripts from the whole blood RNA-seq analysis of the anti-Ro negative SjD cases compared to healthy controls (SjD^{Ro-} vs. HC analysis).

Supplemental Table 5. Differentially expressed transcripts from the whole blood RNA-seq analysis of the anti-Ro positive compared to anti-Ro negative SjD cases (SjD^{Ro+} vs. SjD^{Ro-} analysis).

Supplemental Table 6. Summary report of the differentially expressed transcript biotypes identified in the SjD whole blood RNA-seq analyses.

Supplemental Table 7. Gene Set Enrichment Analysis (GSEA) of differentially expressed transcripts from the SjD^{Ro+} whole blood RNA-seq analysis.

Supplemental Table 8. Gene Set Enrichment Analysis (GSEA) of differentially expressed transcripts from the SjD^{Ro-} whole blood RNA-seq analysis.

Supplemental Table 9. Ingenuity Pathway Analysis (IPA) of differentially expressed transcripts from the SjD^{All} whole blood RNA-seq analysis.

Supplemental Table 10. Ingenuity Pathway Analysis (IPA) of differentially expressed transcripts from the SjD^{Ro+} whole blood RNA-seq analysis.

Supplemental Table 11. Ingenuity Pathway Analysis (IPA) of differentially expressed transcripts from the SjD^{Ro-} whole blood RNA-seq analysis.

Supplemental Table 12. SjD subphenotype unique pathways of interest identified by cross comparing the SjD^{Ro+} and SjD^{Ro-} pathway analyses.

Supplemental Table 13. *RSAD2* correlation analyses of the differentially expressed transcripts from all three SjD whole blood RNA-seq analyses.

Supplemental Table 14. LncRNAs correlated with *RSAD2* expression in SjD whole blood RNA-seq analyses.

Supplemental Table 15. Gene Friends bioinformatic analysis of *LINC01871* function.

Supplemental Table 16. FuncPred analysis of *LINC01871* function.

Supplemental Table 17. IncRNA2function analysis of *LINC01871* function.

Supplemental Table 18. *LINC01871* correlation analyses of the differentially expressed transcripts from all three SJD whole blood RNA-seq analyses.

Supplemental Table 19. Geno Ontology (GO) pathway analysis of *LINC01871* function.

Supplemental Table 20. Guides used to target the gene *LINC01871* in HSB-2 cells.

Supplemental Table 21. Primers used to validate *LINC01871* deletion in CRISPR-edited HSB-2 cells using PCR amplification.

Supplemental Table 22. Guides used to protect the area of modification in the single cell clone, *LINC01871*^{-/-}, for Cas-mediated PCR-free enrichment for Nanopore sequencing.

Supplemental Table 23. RNA-seq analysis of the *LINC01871*^{-/-} CRISPR-edited single cell HSB-2 clone compared to unmodified HSB-2 parental cell line.

Supplemental Table 24. Biotype classification of the differentially expressed transcripts for the *LINC01871*^{-/-} RNA-seq analysis.

Supplemental Table 25. Ingenuity Pathway Analysis (IPA) of the differentially expressed transcript list from the *LINC01871*^{-/-} RNA-seq analysis.

Supplemental Table 26. Master table of the RT-qPCR primers used throughout the manuscript.

Supplemental Table 27. Master table of the antibodies and clones used throughout the manuscript.

Supplemental Table 1: Clinical and demographic information of whole blood RNA-seq SjD cases and healthy controls (HCs)

Demographic Information		HC (n=27)	SjD ^{Ro+} (n=27)	SjD ^{Ro-} (n=23)
Sex	Male (%)	2 (7.4)	2 (7.4)	3 (13.0)
	Female (%)	25 (92.6)	25 (92.6)	20 (87.0)
Race *	White (%)	27 (100)	22 (81.5)	16 (69.6)
	More than one race (%)	0 (0)	5 (18.5)	7 (30.4)
Ethnicity	Non-Hispanic (%)	11 (40.7)	27 (100)	23 (100)
	Hispanic (%)	0 (0)	0 (0)	0 (0)
	Data Not Reported (%)	16 (59.3)	0 (0)	0 (0)
Age **	Mean (SD)	43.1 (17.8)	58.3 (13.5)	60.6 (14.7)
	Median	42	60	61
SjD Clinical Diagnostic Criteria				
	Dry Eyes (%)		27 (100)	23 (100)
	Dry Mouth (%)		27 (100)	23 (100)
	Lissamine Green - vBS Positive (%)		20 (74.1)	11 (47.8)
	Lissamine Green - OSS Positive (%)		21 (77.8)	11 (47.8)
	Schirmer's Test Positive (%)		14 (51.9)	13 (56.5)
	WUSF Positive (%)		22 (81.5)	17 (73.9)
	Lip Biopsy Focal Lymphocyte Aialadenitis (FLS) Positive (%)		20 (74.1)	23 (100)
	anti-Ro + (%)		27 (100)	0 (0)
	anti-La + (%)		19 (70.4)	0 (0)
Other Reported Diseases				
	AITD		3 (11.1)	1 (4.3)
	Fibromyalgia		1 (3.7)	2 (8.7)
	SLE		1 (3.7)	0 (0)
	Lymphoma		2 (7.4)	0 (0)
	Primary Biliary Cirrhosis		0 (0)	1 (4.3)
	Psoriasis		0 (0)	2 (8.7)
	No Additional Disease		21 (77.8)	17 (73.9)

* p=0.0025 for SjD^{Ro-} vs HC by Fisher's exact test

** p=0.001 for HC vs SjD^{Ro-} vs HC, p=0.0005 for SjD^{Ro+} vs HC by unpaired t-test, Welch's correction

Supplemental Table 2. Differentially expressed transcripts from the whole blood RNA-seq analysis of all SJD cases compared to healthy controls (SJD^{All} analysis)

ENSEMBL_GENE_ID	Gene Name	Chr	Chr_Start position	Chr_end position	Gene Length	gene_biotype	SJD ^{All} vs. HC		
							Log2FC	pval	padj
ENSG00000165949	IFI27	14	94104836	94116698	11862	protein coding	4.74	9.37E-18	3.90E-14
ENSG00000134321	RSAD2	2	6865806	6898239	32433	protein coding	2.25	1.06E-07	1.69E-05
ENSG00000137959	IFI44L	1	78619922	78646145	26223	protein coding	1.99	4.94E-06	3.09E-04
ENSG00000239719	AC004890.1	7	149191043	149191223	180	processed pseudogene	1.95	1.48E-07	2.15E-05
ENSG00000143546	S100A8	1	153390032	153391073	1041	protein coding	1.91	6.72E-11	3.03E-08
ENSG00000185745	IFIT1	10	89392546	89406487	13941	protein coding	1.84	5.91E-07	6.66E-05
ENSG00000226098	SEC11B	8	54522799	54523297	498	processed pseudogene	1.83	6.74E-03	3.67E-02
ENSG00000137965	IFI44	1	78649796	78664078	14282	protein coding	1.82	1.44E-06	1.27E-04
ENSG00000244398	AC116533.1	11	16974693	16975013	320	processed pseudogene	1.72	2.88E-09	9.25E-07
ENSG00000111331	OAS3	12	112938444	112973251	34807	protein coding	1.68	5.38E-07	6.25E-05
ENSG00000244158	CALHM6-AS1	6	116460739	116463692	2953	lncRNA-antisense	1.68	1.27E-05	6.12E-04
ENSG00000187608	ISG15	1	1001138	1014540	13402	protein coding	1.66	3.68E-06	2.47E-04
ENSG00000160932	LY8E	8	143017982	143023832	5850	protein coding	1.65	7.80E-07	8.12E-05
ENSG00000204397	CARD16	11	105041326	105101431	60105	protein coding	1.63	8.93E-20	6.76E-16
ENSG00000133106	EPSTH1	13	42886388	42992271	105883	protein coding	1.61	1.75E-07	2.52E-05
ENSG00000279296	PRAL	17	6772831	6776116	3285	TEC	1.59	1.69E-06	1.43E-04
ENSG00000121552	CSTA	3	122325248	122341969	16721	protein coding	1.59	2.20E-15	3.41E-12
ENSG00000237748	UQCRRBP1	X	56737242	56737577	335	processed pseudogene	1.59	2.91E-06	2.11E-04
ENSG00000237568	AC099063.1 (GBP5-AS1)	1	89260582	89269754	9172	lncRNA-antisense	1.58	2.37E-07	3.20E-05
ENSG00000119917	IFIT3	10	89327997	89340971	12974	protein coding	1.58	1.15E-07	1.78E-05
ENSG00000254224	AP003465.1 (UQRB-AS1)	8	96235427	96239149	3722	lncRNA-antisense	1.57	1.85E-05	8.02E-04
ENSG00000152348	ATG10	5	81972023	82276857	304834	protein coding	1.56	2.92E-11	1.52E-08
ENSG00000140379	BCL2A1	15	79960892	79971196	10304	protein coding	1.53	1.99E-12	1.39E-09
ENSG00000231409	AC018868.1	15	34943080	34943394	314	processed pseudogene	1.52	3.16E-07	4.02E-05
ENSG00000149131	SERPINC1	11	57597387	57619171	21784	protein coding	1.52	7.76E-08	1.34E-05
ENSG00000156467	UQCRRB	8	96222947	96235546	12599	protein coding	1.52	5.35E-17	1.35E-13
ENSG00000227008	AL009174.1	X	133670971	133671386	415	processed pseudogene	1.52	6.62E-09	1.76E-06
ENSG00000213178	RPL22P1	3	169483671	169484080	409	processed pseudogene	1.52	3.12E-13	2.57E-10
ENSG00000258666	AL157871.4	14	100333790	100354061	20271	lncRNA-antisense	1.51	3.32E-07	4.15E-05
ENSG00000224094	RPS24P8	3	45159774	45160175	401	processed pseudogene	1.50	4.42E-07	5.28E-05
ENSG00000134326	CMMPK2	2	6840570	6866635	26065	protein coding	1.48	8.82E-06	4.66E-04
ENSG00000249532	MIR302CHG (LARP7-AS1)	4	112646476	112650051	3575	lncRNA-antisense	1.48	4.00E-06	2.62E-04
ENSG00000235828	RPL36AP26	7	15701435	15701752	317	processed pseudogene	1.48	1.08E-03	1.16E-02
ENSG00000126709	IF16	1	27666064	27672198	6134	protein coding	1.45	1.27E-06	1.16E-04
ENSG00000251062	AC025459.1	5	32887990	32888145	155	processed pseudogene	1.45	2.27E-04	4.26E-03
ENSG00000138646	HERC5	4	88457119	88506163	49044	protein coding	1.44	3.52E-06	2.42E-04
ENSG00000089127	OAS1	12	112906783	112933222	26439	protein coding	1.44	9.53E-07	9.28E-05
ENSG00000119013	NDUFB3	2	201071433	201085750	14317	protein coding	1.44	3.49E-14	4.26E-11
ENSG00000228007	AC011933.1	17	75338827	75339147	320	processed pseudogene	1.43	1.27E-04	2.93E-03
ENSG00000225912	RPL26P36	X	92676519	92676954	435	processed pseudogene	1.43	1.45E-06	1.27E-04
ENSG00000228318	AP001610.2 (MX1-AS1)	21	41441056	41445708	4652	lncRNA-antisense	1.43	2.41E-04	4.44E-03
ENSG00000256393	RPL41P5	12	93083598	93083675	77	processed pseudogene	1.42	2.31E-04	4.32E-03
ENSG00000170860	LSM3	3	14178817	14201122	22305	protein coding	1.38	1.32E-16	2.95E-13
ENSG00000163221	S100A12	1	153373711	153375621	1910	protein coding	1.37	3.34E-07	4.15E-05
ENSG00000234287	AC099560.2	3	40761545	40761799	254	processed pseudogene	1.37	2.15E-07	2.97E-05
ENSG00000180211	FO393411.1	6	39958414	39958833	419	processed pseudogene	1.36	1.21E-07	1.83E-05
ENSG00000168062	BATF2	11	64987945	64997018	9073	protein coding	1.35	3.14E-07	4.02E-05
ENSG00000125356	NDUF1A	X	119871832	119876682	4830	protein coding	1.35	6.08E-17	1.44E-13
ENSG00000169385	RNASE3	14	20955487	20956436	949	protein coding	1.35	7.80E-08	1.34E-05
ENSG00000125691	RPL23	17	38847860	38853764	5904	protein coding	1.34	1.10E-08	2.65E-06
ENSG00000270077	AP003117.1	8	97144170	97144723	553	lncRNA-sense intronic	1.33	1.08E-06	1.02E-04
ENSG00000161970	RPL26	17	8377516	8383213	5697	protein coding	1.31	1.00E-06	9.62E-05
ENSG00000241612	AC114728.1	4	19813749	19814231	482	processed pseudogene	1.31	2.06E-05	8.56E-04
ENSG00000157601	MX1	21	41420304	41459214	38910	protein coding	1.30	2.77E-05	1.04E-03
ENSG00000111335	OAS2	12	112978395	113011723	33328	protein coding	1.30	1.12E-06	1.05E-04
ENSG00000219451	RPL23P8	7	20827326	20827753	427	processed pseudogene	1.28	1.10E-03	1.17E-02
ENSG00000230837	RPL31P2	20	33752167	33752543	376	processed pseudogene	1.28	1.13E-03	1.19E-02
ENSG00000232112	TMA7	3	48440257	48444208	3951	protein coding	1.28	1.30E-11	7.43E-09
ENSG00000259007	AL358333.3	14	51967003	51969800	2797	lncRNA-antisense	1.27	1.14E-05	5.70E-04
ENSG00000253683	AC027309.2	5	17265652	172656713	191	processed pseudogene	1.27	4.50E-11	2.13E-08
ENSG00000136810	TXN	9	110243810	110256507	12697	protein coding	1.27	3.69E-13	2.98E-10
ENSG00000184979	USP18	22	18150170	18177397	27227	protein coding	1.26	7.32E-04	9.06E-03
ENSG00000225492	GBP1P1	1	89407679	89426243	18564	transcribed unprocessed pseudogene	1.25	1.66E-04	3.48E-03
ENSG00000277978	AC010542.5	16	6656620	66566001	381	lncRNA-antisense	1.25	1.68E-06	1.42E-04
ENSG00000234742	AC144530.1	3	197850400	197850954	554	processed pseudogene	1.25	4.15E-06	2.69E-04
ENSG00000156411	ATP5MPL	14	103912288	103928269	15981	protein coding	1.25	2.36E-12	1.63E-09
ENSG00000147604	RPL7	8	73290242	73295789	5547	protein coding	1.25	4.55E-08	8.61E-06
ENSG00000257452	AC004551.1 (OAS123-AS1)	12	112907628	113017751	110123	lncRNA-antisense	1.24	2.24E-03	1.83E-02
ENSG00000142089	IFITM3	11	319676	327537	7861	protein coding	1.24	3.47E-06	2.39E-04
ENSG00000123610	TNFAIP6	2	151357592	151380046	22454	protein coding	1.23	3.57E-09	1.13E-06
ENSG00000169397	RNASE3	14	20891399	20892348	949	protein coding	1.23	1.78E-04	3.65E-03
ENSG00000118298	CA14	1	150257251	150265078	7827	protein coding	1.23	1.52E-03	1.42E-02
ENSG00000137970	RPL7P9	1	96678874	96679620	746	processed pseudogene	1.22	1.42E-08	3.28E-06
ENSG00000258985	AL352979.2	14	53036755	53038251	1496	lncRNA-antisense	1.22	3.27E-03	2.33E-02
ENSG00000274422	AC245060.5	22	22283928	22287220	3292	lncRNA	1.22	1.55E-05	6.99E-04
ENSG00000169020	ATP5ME	4	672436	674330	1894	protein coding	1.20	3.20E-16	6.05E-13
ENSG00000168653	NDUF5	1	39026318	39034636	8318	protein coding	1.20	4.20E-12	2.69E-09
ENSG00000150337	FCGR1A	1	149782671	149792518	9847	protein coding	1.20	7.55E-08	1.32E-05
ENSG00000110079	MS4A4A	11	60185702	60317944	132242	protein coding	1.20	1.03E-07	1.66E-05
ENSG00000162840	MT2P1	4	68376323	68376505	182	processed pseudogene	1.19	4.36E-04	6.52E-03
ENSG00000240509	RPL34P18	8	93957338	93957691	353	processed pseudogene	1.18	8.76E-05	2.32E-03
ENSG00000237729	AC002075.2	7	93669826	93670077	251	processed pseudogene	1.18	7.97E-08	1.37E-05
ENSG00000152766	ANKRD22	10	88819896	88851844	31948	protein coding	1.18	4.48E-05	1.44E-03
ENSG00000228802	AC073641.1	2	223965701	223967706	2005	lncRNA-antisense	1.17	1.37E-03	1.34E-02

ENSG0000164104	HMGB2	4	173331376	173334432	3056	protein coding	1.17	7.83E-12	4.86E-09
ENSG00000225964	NRIR	2	6819463	6840464	21001	lncRNA-antisense	1.17	6.87E-04	8.75E-03
ENSG00000204472	AIF1	6	31615217	31617021	1804	protein coding	1.16	3.06E-20	2.90E-16
ENSG00000235576	LINC01871	2	7725801	7730705	4904	lncRNA	1.16	1.16E-07	1.78E-05
ENSG00000138772	ANKX3	4	78551747	78610451	58704	protein coding	1.15	2.25E-06	1.75E-04
ENSG00000127184	COX7C	5	86617928	86620962	3034	protein coding	1.15	3.75E-10	1.47E-07
ENSG00000166527	CLEC4D	12	8509475	8522366	12891	protein coding	1.15	3.47E-06	2.39E-04
ENSG00000078081	LAMP3	3	183122215	183163839	41624	protein coding	1.15	1.40E-05	6.54E-04
ENSG00000132530	XAF1	17	6755447	6775647	20200	protein coding	1.14	8.51E-06	4.54E-04
ENSG00000254373	AC112191.2	5	160258253	160258585	332	processed pseudogene	1.14	7.57E-04	9.26E-03
ENSG00000123689	G0S2	1	209675412	209676390	978	protein coding	1.14	2.03E-05	8.52E-04
ENSG00000135114	OASL	12	121019111	121039242	20131	protein coding	1.14	3.53E-05	1.23E-03
ENSG00000140319	SRP14	15	40035690	40039181	3491	protein coding	1.14	3.22E-23	1.22E-18
ENSG00000234964	FABP5P7	11	59781318	59781722	404	processed pseudogene	1.14	1.25E-05	6.05E-04
ENSG00000138326	RPS24	10	78033760	78056813	23053	protein coding	1.13	7.29E-08	1.28E-05
ENSG00000288528	AP000942.5	11	102316173	102328586	12413	lncRNA	1.13	3.01E-04	5.14E-03
ENSG00000245970	AP003352.1	8	98041726	98044121	2395	lncRNA-antisense	1.13	5.92E-06	3.54E-04
ENSG00000169245	CXCL10	4	76021118	76023497	2379	protein coding	1.13	3.40E-04	5.60E-03
ENSG00000136514	RTMP	3	187368385	187372076	3691	protein coding	1.12	5.03E-06	3.13E-04
ENSG00000196683	TOMM7	7	22812628	22822852	10224	protein coding	1.12	1.02E-08	2.51E-06
ENSG00000109475	RPL34	4	108620566	108630412	9846	protein coding	1.12	3.02E-05	1.10E-03
ENSG00000242951	AC007182.2	14	75595805	75596206	401	processed pseudogene	1.12	2.90E-05	1.07E-03
ENSG00000155368	DBI	2	119366921	119372560	5639	protein coding	1.12	2.60E-13	2.18E-10
ENSG00000269246	AC011445.1	19	39341773	39341945	172	lncRNA	1.12	7.81E-09	2.01E-06
ENSG00000135046	ANKX1	9	73151865	73170393	18528	protein coding	1.12	2.62E-14	3.43E-11
ENSG00000234268	AP000936.3	11	117035797	117036051	254	processed pseudogene	1.11	1.78E-07	2.52E-05
ENSG00000213942	AC005840.1	12	6409637	6410013	376	processed pseudogene	1.11	3.93E-04	6.13E-03
ENSG00000154723	ATP5PF	21	25716503	25735673	19170	protein coding	1.11	1.03E-17	3.90E-14
ENSG00000163568	AIM2	1	159062484	159147096	84612	protein coding	1.11	8.19E-08	1.39E-05
ENSG00000105205	CLC	19	39731255	39738029	6774	protein coding	1.09	5.62E-05	1.69E-03
ENSG00000241494	AL355032.1	14	101677943	101678380	437	processed pseudogene	1.09	9.08E-04	1.04E-02
ENSG00000100300	ETV7	6	36354091	36387800	33709	protein coding	1.09	5.02E-05	1.57E-03
ENSG00000119922	IFIT2	10	89283694	89309271	25577	protein coding	1.09	4.89E-06	3.07E-04
ENSG00000269621	AL589765.7	1	151755541	151759911	4370	lncRNA-antisense	1.08	1.79E-03	1.58E-02
ENSG00000244380	AC134772.1	3	48440352	48446656	6304	lncRNA-antisense	1.08	3.71E-04	5.92E-03
ENSG00000143977	SNRPG	2	70281362	70293740	12378	protein coding	1.08	1.75E-10	7.55E-08
ENSG00000092841	MYL6	12	56158346	56163496	5150	protein coding	1.08	5.87E-18	3.11E-14
ENSG00000233223	AC016876.1	17	7581964	7584086	2122	lncRNA-antisense	1.07	3.11E-05	1.13E-03
ENSG00000185641	AC034236.1	5	116051917	116052289	372	processed pseudogene	1.06	3.88E-10	1.50E-07
ENSG00000163736	PPPB	4	73986439	73988190	1751	protein coding	1.06	1.91E-06	1.56E-04
ENSG00000220842	RPL21P16	10	120354701	120355183	482	processed pseudogene	1.05	1.96E-07	2.77E-05
ENSG00000259544	AC021739.3	15	85726115	85727227	1112	lncRNA-antisense	1.04	1.13E-03	1.19E-02
ENSG00000279225	AC138305.3	16	63397707	63397946	239	TEC	1.04	3.95E-03	2.84E-02
ENSG00000229605	RPL21P93	10	28898996	28899484	488	processed pseudogene	1.04	2.51E-06	1.90E-04
ENSG00000041357	PSMA4	15	78540405	78552417	12012	protein coding	1.04	9.86E-15	1.33E-11
ENSG00000273272	UG2317.3	22	50541108	50543011	1903	lncRNA	1.03	7.88E-07	8.18E-05
ENSG00000115541	HSPF1	2	197500140	197503449	3309	protein coding	1.03	3.87E-12	2.57E-09
ENSG00000100632	ERH	14	69380128	69398299	18171	protein coding	1.03	5.92E-21	8.61E-17
ENSG00000227081	AC005912.1	12	3211663	3211917	254	processed pseudogene	1.03	9.99E-07	9.60E-05
ENSG00000137628	DDX6	4	168216294	168318804	102510	protein coding	1.03	3.06E-05	1.12E-03
ENSG00000115128	SF3B6	2	24067586	24076373	8787	protein coding	1.02	8.55E-15	1.20E-11
ENSG00000274629	AC073052.1	2	224464682	224474500	9818	lncRNA-antisense	1.02	7.75E-05	2.13E-03
ENSG00000279364	AC114546.3	15	34978351	34980084	1733	TEC	1.01	9.03E-04	1.03E-02
ENSG00000236312	RPL34P34	19	22368599	22368952	353	processed pseudogene	1.01	2.49E-03	1.95E-02
ENSG00000230291	AC078817.1	12	80102899	80103333	434	processed pseudogene	1.01	2.82E-05	1.05E-03
ENSG00000264235	AP005329.1	18	3255436	3261850	6414	lncRNA-antisense	1.01	1.06E-05	5.38E-04
ENSG00000130755	GMFG	19	39328353	39342372	14019	protein coding	1.01	2.51E-15	3.65E-12
ENSG00000088827	SIGLEC1	20	3686970	3707128	20158	protein coding	1.01	2.92E-03	2.17E-02
ENSG00000117228	GBP1	1	89052319	89052330	12911	protein coding	1.01	7.21E-07	7.77E-05
ENSG00000131174	COX7B	X	77899440	77907376	7936	protein coding	1.00	2.71E-07	3.60E-05
ENSG00000236439	AC099336.2	1	202471864	202472117	253	processed pseudogene	1.00	5.21E-05	1.60E-03
ENSG00000226084	AC113935.1	1	77129114	77129668	554	processed pseudogene	1.00	2.36E-06	1.80E-04
ENSG00000230629	RPS23P8	X	70962964	70963293	329	processed pseudogene	1.00	1.53E-08	3.49E-06
ENSG00000168491	CCDC110	4	185445182	185471752	26570	protein coding	-1.00	8.40E-03	4.24E-02
ENSG00000235770	LINC00607	2	215611563	215848954	237391	lncRNA	-1.00	3.65E-03	2.50E-02
ENSG00000133121	STARD13	13	33103137	33350630	247493	protein coding	-1.00	3.87E-04	6.08E-03
ENSG00000168454	TXNDC2	18	9885726	9889275	3549	protein coding	-1.00	8.53E-03	4.28E-02
ENSG00000275410	HNF1B	17	37686431	37745105	58674	protein coding	-1.00	1.02E-02	4.81E-02
ENSG00000225885	AC023590.1	8	118282139	118400605	118466	lncRNA-antisense	-1.00	8.42E-04	9.87E-03
ENSG00000152953	STK32B	4	5051480	5000994	449514	protein coding	-1.00	6.85E-04	8.72E-03
ENSG00000070729	CNGB1	16	57882340	57971128	88788	protein coding	-1.00	2.32E-03	1.87E-02
ENSG00000229727	AC013460.1	2	7383227	7450544	67317	lncRNA	-1.00	2.69E-04	4.78E-03
ENSG00000158023	CFAP251	12	121918592	122003927	85335	protein coding	-1.00	8.24E-06	4.47E-04
ENSG00000135454	B4GALNT1	12	57623409	57633239	9830	protein coding	-1.00	5.77E-03	3.33E-02
ENSG00000251600	AC107223.1	4	143559457	144343750	784293	lncRNA	-1.00	3.52E-05	1.23E-03
ENSG00000283128	AC090403.2	7	155474256	155644406	170150	lncRNA	-1.00	7.95E-03	4.09E-02
ENSG00000268804	LINC02132	16	85935281	85936223	942	lncRNA	-1.00	3.30E-03	2.35E-02
ENSG00000148357	HMCN2	9	130265882	130434123	168241	protein coding	-1.00	1.05E-03	1.13E-02
ENSG00000182902	SLC25A18	22	17563450	17590995	27545	protein coding	-1.00	3.48E-03	2.43E-02
ENSG00000064270	ATP2C2	16	84368527	84464187	95660	protein coding	-1.00	2.10E-04	4.04E-03
ENSG00000215483	LINC00598	13	40079106	40535807	456701	lncRNA	-1.00	6.08E-07	6.73E-05
ENSG00000134874	DZIP1	13	95578202	95644706	66504	protein coding	-1.00	1.69E-03	1.53E-02
ENSG00000165323	FAT3	11	92352096	92896470	544374	protein coding	-1.00	2.15E-03	1.79E-02
ENSG00000104728	ARHGFE10	8	1823926	1958641	134715	protein coding	-1.01	6.79E-04	8.68E-03
ENSG00000254166	CASC19	8	127072694	127227541	154847	lncRNA	-1.01	1.06E-04	2.62E-03
ENSG00000168490	PHYHIP	8	22219703	22232101	12398	protein coding	-1.01	1.27E-03	1.28E-02
ENSG00000265749	AC135178.4	17	8365563	8381328	15765	lncRNA-antisense	-1.01	7.15E-03	3.82E-02
ENSG00000095713	CTRAC1	10	97865000	98030828	165828	protein coding	-1.01	9.24E-03	4.50E-02
ENSG00000167377	ZNF23	16	71447597	71463095	15498	protein coding	-1.01	1.31E-04	3.00E-03
ENSG00000219438	TAF5	22	48489553	48850912	361359	protein coding	-1.01	6.15E-03	3.47E-02

ENSG00000230592	RPSAP8	X	100155885	100156773	888	processed pseudogene	-1.01	1.79E-04	3.65E-03
ENSG00000104213	PDGFRL	8	17576433	17644071	67638	protein coding	-1.01	7.02E-03	3.78E-02
ENSG00000142798	HSPG2	1	21822244	21937310	115066	protein coding	-1.01	3.97E-05	1.32E-03
ENSG00000255769	GOLGA2P10	15	82472993	82513950	40957	transcribed unprocessed pseudogene	-1.01	6.56E-04	8.50E-03
ENSG0000093009	CDC45	22	19479457	19520612	41155	protein coding	-1.01	1.88E-03	1.63E-02
ENSG00000213397	HAUS7	X	153447666	153495516	47850	protein coding	-1.01	7.03E-04	8.84E-03
ENSG00000136944	LMX1B	9	126613928	126701032	87104	protein coding	-1.01	2.60E-03	2.02E-02
ENSG00000266433	TBC1D3P5	17	27417690	27431623	13933	transcribed unprocessed pseudogene	-1.01	8.51E-03	4.27E-02
ENSG00000238098	ABCA17P	16	2339150	2426699	87549	transcribed unitary pseudogene	-1.01	2.89E-03	2.15E-02
ENSG00000125337	KIF25	6	167996241	168045095	48854	protein coding	-1.01	2.08E-03	1.75E-02
ENSG00000101198	NKAIN4	20	63240784	63272694	31910	protein coding	-1.01	8.72E-03	4.34E-02
ENSG00000129204	USP6	17	5116032	5175034	59002	protein coding	-1.01	2.82E-04	4.92E-03
ENSG00000280604	AJ239328.1	21	45914296	45919483	5187	lncRNA-sense overlapping	-1.01	2.31E-04	4.32E-03
ENSG00000273654	AC020904.2	19	18022403	18032099	9696	transcribed processed pseudogene	-1.01	1.57E-03	1.46E-02
ENSG00000273387	AC005005.3	22	31082156	31083565	1409	lncRNA-antisense	-1.01	1.03E-02	4.82E-02
ENSG00000144821	MHY15	3	108380368	108529322	148954	protein coding	-1.01	6.18E-04	8.20E-03
ENSG00000250132	AC004803.1	12	974133	991190	17057	lncRNA-antisense	-1.01	3.26E-04	5.44E-03
ENSG00000234494	SP2-AS1	17	47897330	47941410	44080	lncRNA-antisense	-1.01	3.49E-03	2.43E-02
ENSG00000254449	SP3A3P2	11	123597946	123599452	1506	processed pseudogene	-1.01	9.70E-03	4.64E-02
ENSG00000225556	CFZAD2	1	151837819	151840557	2738	protein coding	-1.01	4.74E-03	2.95E-02
ENSG00000066056	TIE1	1	43300982	43323108	22126	protein coding	-1.01	2.21E-04	4.18E-03
ENSG00000164929	BAALC	8	103140713	103230305	89592	protein coding	-1.01	4.73E-03	2.95E-02
ENSG00000189056	RELN	7	103471784	103989658	517874	protein coding	-1.01	6.33E-04	8.32E-03
ENSG00000230626	AC011005.1	7	129126518	129130793	4275	protein coding	-1.01	2.98E-03	2.20E-02
ENSG00000172901	LVRN	5	115962454	116027619	65165	protein coding	-1.01	3.49E-03	2.44E-02
ENSG00000179270	PCARE	2	29060976	29074523	13547	protein coding	-1.01	9.40E-03	4.55E-02
ENSG00000164675	IQUB	7	123452193	123535077	82884	protein coding	-1.01	6.98E-03	3.76E-02
ENSG00000246308	AC11635.1	11	10809204	10822931	13727	lncRNA-antisense	-1.01	6.66E-03	3.65E-02
ENSG00000254872	LINC02688	11	1049880	1055749	5869	lncRNA	-1.01	5.77E-03	3.33E-02
ENSG00000149506	ZP1	11	60867562	60875693	8131	protein coding	-1.02	6.84E-03	3.72E-02
ENSG00000183535	COL18A1-AS1	21	45419716	45425070	5354	lncRNA-antisense	-1.02	7.63E-03	3.98E-02
ENSG00000260971	AC119674.1	1	56154545	56477687	323142	lncRNA	-1.02	4.75E-03	2.95E-02
ENSG00000243323	PTPRVP	1	202168051	202189455	21404	transcribed unitary pseudogene	-1.02	3.03E-04	5.16E-03
ENSG00000140009	ESR2	14	64084232	64338112	253880	protein coding	-1.02	7.56E-05	2.09E-03
ENSG00000065361	ERBB3	12	56076799	56103505	26706	protein coding	-1.02	5.07E-04	7.16E-03
ENSG00000235885	LINC01828	2	67086446	67311439	224993	lncRNA	-1.02	8.77E-03	4.36E-02
ENSG00000246379	AC040168.1	16	55984009	56191118	207109	lncRNA	-1.02	2.01E-03	1.71E-02
ENSG00000152931	PART1	5	60487713	60548813	61100	lncRNA	-1.02	1.53E-03	1.43E-02
ENSG00000078898	BPIFB2	20	33007704	33023703	15999	protein coding	-1.02	1.02E-02	4.80E-02
ENSG00000180777	ANKRD30B	18	14728272	14854038	125766	protein coding	-1.02	8.58E-03	4.29E-02
ENSG00000001626	CFTR	7	117287120	117715971	428851	protein coding	-1.02	2.05E-03	1.73E-02
ENSG00000090530	P3H2	3	189956728	190122437	165709	protein coding	-1.02	8.20E-04	9.70E-03
ENSG00000085552	IGSF9	1	159927039	159945613	18574	protein coding	-1.02	1.24E-02	1.26E-02
ENSG00000173157	ADAMT20	12	43353866	43552203	198337	protein coding	-1.02	5.98E-03	3.41E-02
ENSG00000196550	FAM72A	1	206186179	206204414	18235	protein coding	-1.02	2.08E-03	1.75E-02
ENSG00000122367	LDB3	10	86668507	86736072	67565	protein coding	-1.02	1.16E-03	1.21E-02
ENSG00000257298	AC008147.2	12	50185580	50191363	5783	lncRNA-sense intronic	-1.02	2.11E-03	1.76E-02
ENSG00000177359	AC024940.1	12	31111652	31201235	89583	transcribed unprocessed pseudogene	-1.02	1.32E-04	3.01E-03
ENSG00000112769	LAMA4	6	112107931	112254939	147008	protein coding	-1.02	3.52E-03	2.45E-02
ENSG00000250305	TRMT9B	8	12945642	13031503	85861	protein coding	-1.02	1.74E-03	1.55E-02
ENSG00000239887	C1orf226	1	162378841	162386812	7971	protein coding	-1.02	1.84E-03	1.61E-02
ENSG00000267374	MIR924HG	18	39206917	39800322	593405	lncRNA	-1.02	1.32E-03	1.31E-02
ENSG00000125851	PKS2C	20	17226107	17484578	258471	protein coding	-1.02	7.56E-03	3.96E-02
ENSG00000246877	DNM1P35	15	75727670	75738623	10953	lncRNA-antisense	-1.02	1.00E-02	4.74E-02
ENSG00000103021	CCDC113	16	58231157	58283936	52679	protein coding	-1.02	5.99E-03	3.41E-02
ENSG00000226659	AC021028.1	10	80529597	80535942	6345	lncRNA-antisense	-1.02	2.71E-04	4.81E-03
ENSG00000003096	KLHL13	X	117897813	118117340	219527	protein coding	-1.02	1.06E-03	1.14E-02
ENSG00000172031	EPHX4	1	92029985	92063538	33553	protein coding	-1.02	5.12E-04	7.20E-03
ENSG00000261329	AC016597.1	16	27678940	27718806	39866	lncRNA-antisense	-1.02	4.12E-03	2.71E-02
ENSG00000164488	DACT2	6	168292830	168319777	26947	protein coding	-1.02	8.48E-03	4.26E-02
ENSG00000171962	DRC3	17	17972813	18016889	44076	protein coding	-1.02	2.81E-04	4.91E-03
ENSG00000062524	LTK	15	41503637	41513887	10250	protein coding	-1.02	3.56E-06	2.43E-04
ENSG00000226026	AC092802.1	1	95161676	95233982	72306	lncRNA-antisense	-1.02	1.96E-03	1.68E-02
ENSG00000070915	SLC12A3	16	56865207	56915850	50643	protein coding	-1.02	5.73E-04	7.80E-03
ENSG00000162877	PM20D1	1	205828025	205850132	22107	protein coding	-1.02	8.16E-04	9.68E-03
ENSG00000036565	SLC18A1	8	20144855	20183206	38351	protein coding	-1.02	1.47E-03	1.40E-02
ENSG00000189229	AC09277.1	3	6490460	6736750	246290	lncRNA	-1.02	6.32E-03	3.53E-02
ENSG00000268584	AC073389.1	10	73625996	73626790	794	lncRNA-antisense	-1.02	1.04E-02	4.87E-02
ENSG00000286909	AC024560.4	3	197649303	197651482	2179	lncRNA	-1.02	6.54E-04	8.50E-03
ENSG00000116774	QLFML3	1	113979391	114035572	56181	protein coding	-1.02	8.67E-03	4.32E-02
ENSG00000109265	CRACD	4	56049073	56328625	279552	protein coding	-1.03	1.28E-04	2.91E-03
ENSG00000263740	RN7SL4P	3	15738515	15738809	294	misc RNA	-1.03	6.82E-03	3.71E-02
ENSG00000050767	COL23A1	5	178237618	178590393	352775	protein coding	-1.03	1.80E-02	1.60E-02
ENSG00000267270	PARD6G-AS1	18	80147924	80179839	31915	lncRNA-antisense	-1.03	4.25E-06	2.75E-04
ENSG00000157765	SLC34A2	4	25648011	25678748	30737	protein coding	-1.03	3.13E-03	2.27E-02
ENSG00000172828	CES3	16	66961245	66975149	13904	protein coding	-1.03	3.02E-03	2.22E-02
ENSG00000182752	PAPPA	9	116153791	116402321	248530	protein coding	-1.03	1.43E-04	3.16E-03
ENSG00000108821	COL1A1	17	50184101	50201632	17531	protein coding	-1.03	3.44E-04	5.62E-03
ENSG00000188611	ASA2	10	50182778	50279720	96942	protein coding	-1.03	3.36E-04	5.56E-03
ENSG00000156113	KGNMA1	10	76869601	77638369	768768	protein coding	-1.03	6.88E-06	3.97E-04
ENSG00000235100	AL157400.3	10	89667181	89701274	34093	lncRNA	-1.03	2.13E-03	1.78E-02
ENSG00000228526	MIR34AHG	1	9148011	9198906	50895	lncRNA	-1.03	8.04E-05	2.18E-03
ENSG00000186868	MAPT	17	45894551	46028334	133783	protein coding	-1.03	3.84E-06	2.54E-04
ENSG00000219607	PPP1R3G	6	5085341	5089487	4146	protein coding	-1.03	1.44E-03	1.38E-02
ENSG00000049283	EPN3	17	50532682	50543750	11068	protein coding	-1.03	1.04E-02	4.87E-02
ENSG00000104313	EYA1	8	71197433	71592025	394592	protein coding	-1.03	4.74E-03	2.95E-02
ENSG00000162949	CAPN13	2	30722771	30820542	97771	protein coding	-1.03	4.81E-03	2.97E-02
ENSG00000158270	COLEC12	18	316737	500722	183985	protein coding	-1.03	6.35E-04	8.33E-03
ENSG00000163792	TCF2	2	27149004	27156974	7970	protein coding	-1.03	3.29E-03	2.34E-02
ENSG00000225077	LINC00337	1	6234692	6239444	4752	lncRNA	-1.03	9.68E-03	4.64E-02

ENSG00000215895	HSPA5P1	1	38708931	38710890	1959	processed_pseudogene	-1.03	7.36E-03	3.90E-02
ENSG00000158525	CPA5	7	130344816	130368730	23914	protein coding	-1.03	4.72E-03	2.94E-02
ENSG00000001617	SEMA3F	3	50155045	50189075	34030	protein coding	-1.03	6.59E-03	3.62E-02
ENSG00000109991	P2RX3	11	57338352	57372396	34044	protein coding	-1.03	5.25E-03	3.14E-02
ENSG00000095464	PDE6C	10	93612537	93666010	53473	protein coding	-1.03	3.64E-03	2.50E-02
ENSG00000165970	SLC6A5	11	20599594	20659285	59691	protein coding	-1.03	3.39E-03	2.39E-02
ENSG00000163687	DNASE1L3	3	58192257	58214697	22440	protein coding	-1.03	5.72E-05	1.70E-03
ENSG00000250733	C8orf17	8	139931172	139933942	2770	TEC	-1.03	9.16E-03	4.48E-02
ENSG00000182329	KIAA2012	2	202073255	202205188	131933	protein coding	-1.03	3.43E-03	2.41E-02
ENSG00000181378	CFAP65	2	219002846	219041527	38681	protein coding	-1.03	4.25E-03	2.76E-02
ENSG00000178222	RNF212	4	1056250	1113564	57314	protein coding	-1.03	2.37E-05	9.42E-04
ENSG00000137936	BCAR3	1	93561741	93847150	285409	protein coding	-1.03	4.85E-05	1.53E-03
ENSG00000159450	TCHH	1	152106317	152115454	9137	protein coding	-1.03	6.27E-03	3.51E-02
ENSG00000175985	PLEKH01	14	69484692	69531551	46859	protein coding	-1.03	1.72E-03	1.54E-02
ENSG00000149201	CCDC81	11	86374736	86423109	48373	protein coding	-1.03	3.39E-04	5.58E-03
ENSG00000197905	TEAD4	12	2959330	3040676	81346	protein coding	-1.03	4.96E-03	3.03E-02
ENSG00000250802	ZBED3-AS1	5	77086688	77166909	80221	lncRNA-antisense	-1.03	6.39E-06	3.77E-04
ENSG00000183248	PRR36	19	7868719	7874390	5671	protein coding	-1.03	2.74E-03	2.09E-02
ENSG00000257495	KRT73-AS1	12	52601467	52615305	13838	lncRNA-antisense	-1.03	1.32E-04	3.01E-03
ENSG00000151655	ITIH2	10	7703316	7749520	46204	protein coding	-1.03	3.48E-03	2.43E-02
ENSG00000167619	TMEM145	19	42313309	42325064	11755	protein coding	-1.03	9.25E-03	4.51E-02
ENSG00000204745	AC083899.1	2	87125198	87196629	71431	unprocessed_pseudogene	-1.04	7.76E-04	9.41E-03
ENSG00000177103	DSCAML1	11	117427772	117817525	389753	protein coding	-1.04	2.77E-04	4.87E-03
ENSG00000141750	STAC2	17	39210541	39225945	15404	protein coding	-1.04	6.16E-03	3.47E-02
ENSG00000171790	SLFNL1	1	41015597	41023237	7640	protein coding	-1.04	3.60E-05	1.24E-03
ENSG00000164904	ALDH7A1	5	126531200	126595362	64162	protein coding	-1.04	2.15E-05	8.78E-04
ENSG00000162374	ELAVL4	1	50024029	50203772	179743	protein coding	-1.04	6.13E-04	8.15E-03
ENSG00000146839	ZAN	7	100733595	100797797	64202	protein coding	-1.04	6.49E-04	8.46E-03
ENSG00000227855	DPY19L2P3	7	29650227	29742594	92367	transcribed_unprocessed_pseudogene	-1.04	5.71E-03	3.31E-02
ENSG00000105479	CCDC114	19	48296457	48321971	25514	protein coding	-1.04	1.28E-06	1.16E-04
ENSG00000214185	XPOP1	20	34213495	34215892	2397	processed_pseudogene	-1.04	9.82E-03	4.69E-02
ENSG00000100626	GALNT16	14	69259277	69357033	97756	protein coding	-1.04	5.00E-03	3.04E-02
ENSG00000185689	C6orf201	6	4079206	4130951	51745	protein coding	-1.04	1.14E-03	1.20E-02
ENSG00000288597	AC234782.2	X	103707034	103919047	212013	lncRNA	-1.04	2.68E-04	4.77E-03
ENSG00000116141	MARK1	1	220528136	220664461	136325	protein coding	-1.04	9.14E-04	1.04E-02
ENSG00000204110	LINC02520	6	37507348	37535616	28268	lncRNA	-1.04	4.11E-03	2.70E-02
ENSG00000139287	TPH2	12	71938845	72186618	247773	protein coding	-1.04	7.05E-03	3.79E-02
ENSG00000104611	SH2DA4	8	19313693	19396218	82525	protein coding	-1.04	8.07E-03	4.13E-02
ENSG00000111907	TPD52L1	6	125119049	125264407	145358	protein coding	-1.04	4.89E-03	3.00E-02
ENSG00000170835	CEL	9	133061978	133071863	9885	protein coding	-1.04	8.70E-04	1.01E-02
ENSG00000226706	AL161452.1	9	135503273	135506447	3174	lncRNA-antisense	-1.04	5.37E-03	3.17E-02
ENSG00000279278	AC245060.6	22	22264601	22273020	8419	lncRNA	-1.04	4.79E-04	6.93E-03
ENSG00000222005	LINC01118	2	46698940	46822804	123864	lncRNA-sense overlapping	-1.04	7.58E-05	2.09E-03
ENSG00000104067	TJP1	15	29699367	29968915	269548	protein coding	-1.04	1.53E-03	1.43E-02
ENSG00000086159	AQP6	12	49967194	49977139	9945	protein coding	-1.04	8.40E-03	4.24E-02
ENSG00000122254	HHS32	16	22814162	22916338	102176	protein coding	-1.04	1.04E-02	4.87E-02
ENSG00000273297	AC009275.1	7	134368737	134432534	63797	lncRNA	-1.04	3.24E-03	2.32E-02
ENSG00000132837	DMGDH	5	78997564	79236038	238474	protein coding	-1.04	6.59E-04	8.53E-03
ENSG00000124780	CNKK17	6	39299001	39314461	15460	protein coding	-1.04	5.99E-04	8.04E-03
ENSG00000180638	SLC47A2	17	19678288	19718979	40691	protein coding	-1.04	1.04E-03	1.13E-02
ENSG00000126337	KRT36	17	41486136	41492546	6410	protein coding	-1.04	1.02E-02	4.80E-02
ENSG00000188112	C6orf132	6	42101119	42142620	41501	protein coding	-1.04	1.05E-02	4.89E-02
ENSG00000273079	GRIN2B	12	13437942	13982002	544060	protein coding	-1.04	1.37E-04	3.08E-03
ENSG00000197410	DCHS2	4	154231742	154491799	280057	protein coding	-1.04	1.89E-04	3.78E-03
ENSG00000145832	SLC25A48	5	135579202	135889770	310568	protein coding	-1.04	5.15E-03	3.10E-02
ENSG00000271447	MMP28	17	35756249	35795707	39458	protein coding	-1.04	3.74E-05	1.28E-03
ENSG00000180251	SLC9A4	2	102473226	102533972	60746	protein coding	-1.04	9.30E-03	4.52E-02
ENSG00000157335	CLEC18C	16	70173322	70187361	14039	protein coding	-1.04	1.05E-02	4.91E-02
ENSG00000250900	TRIMT-AS1	5	181195496	181203103	7607	lncRNA-antisense	-1.04	5.09E-03	3.08E-02
ENSG00000196581	AJAP1	1	4654609	4792534	137925	protein coding	-1.04	4.37E-04	6.52E-03
ENSG00000286010	AC108925.1	8	127663280	127670990	7710	lncRNA	-1.04	8.43E-06	4.52E-04
ENSG00000214534	ZNF705E	11	71814045	71821548	7503	protein coding	-1.04	6.79E-03	3.70E-02
ENSG00000187980	PLA2G2C	1	20161253	20186518	25265	protein coding	-1.05	1.50E-04	3.27E-03
ENSG00000197893	NRAP	10	113588714	113664070	75356	protein coding	-1.05	4.87E-03	2.99E-02
ENSG00000115705	TPO	2	1374066	1543711	169645	protein coding	-1.05	6.28E-04	8.29E-03
ENSG00000064309	CDON	11	125955796	126063335	107539	protein coding	-1.05	1.44E-05	6.68E-04
ENSG00000141639	MAPK4	18	50560087	50731826	171739	protein coding	-1.05	4.85E-03	2.99E-02
ENSG00000203799	CCDC162P	6	109165831	109355063	189232	transcribed_unitary_pseudogene	-1.05	5.99E-05	1.75E-03
ENSG00000249715	FER1L5	2	96642737	96704887	62150	protein coding	-1.05	4.42E-03	2.82E-02
ENSG00000108813	DLX4	17	49968970	49974959	5989	protein coding	-1.05	9.13E-05	2.38E-03
ENSG00000263547	AC011095.1	18	76122968	76145259	22291	lncRNA	-1.05	8.45E-03	4.26E-02
ENSG00000171914	TLN2	15	62390526	62844631	454105	protein coding	-1.05	5.80E-06	3.48E-04
ENSG00000204832	ST8SIA6-AS1	10	17386919	17445758	58839	lncRNA-antisense	-1.05	8.58E-03	4.29E-02
ENSG00000177614	PGBD5	1	230314490	230426332	11842	protein coding	-1.05	4.04E-03	2.68E-02
ENSG00000164078	MST1R	3	49887002	49903873	16871	protein coding	-1.05	5.66E-04	7.75E-03
ENSG00000185823	NPAP1	15	24675775	24683393	7618	protein coding	-1.05	4.55E-03	2.88E-02
ENSG00000009950	MLXIPL	7	73593194	73624543	31349	protein coding	-1.05	1.74E-03	1.55E-02
ENSG00000237232	ZNF295-AS1	21	42009194	42055130	45936	lncRNA	-1.05	3.60E-04	5.79E-03
ENSG00000229961	AL357143.1	1	157171116	157191963	20847	transcribed_unprocessed_pseudogene	-1.05	4.13E-04	6.32E-03
ENSG00000260386	LDC1P	1	31500085	31509648	9563	transcribed_unitary_pseudogene	-1.05	6.07E-03	3.44E-02
ENSG00000153233	PTPR	12	70638073	70920738	282665	protein coding	-1.05	1.02E-02	4.81E-02
ENSG00000107719	PALD1	10	70478767	70568450	89683	protein coding	-1.05	1.04E-04	2.59E-03
ENSG00000172236	TPSAB1	16	1240379	1242554	2175	protein coding	-1.05	1.03E-02	4.82E-02
ENSG00000142627	EPHA2	1	16124337	16156069	31732	protein coding	-1.05	1.13E-03	1.19E-02
ENSG00000285650	AL157827.2	9	92600094	92612368	12274	lncRNA-antisense	-1.05	7.26E-03	3.86E-02
ENSG00000082497	SERTAD4	1	210232796	210246631	13835	protein coding	-1.05	9.46E-03	4.57E-02
ENSG00000084710	EFR3B	2	25042076	25159135	117059	protein coding	-1.05	3.15E-04	5.31E-03
ENSG00000174640	SLC02A1	3	133932701	134052184	119483	protein coding	-1.05	9.23E-04	1.05E-02
ENSG00000249593	AC011405.1	5	139012647	139051203	38556	lncRNA-antisense	-1.05	3.96E-03	2.64E-02
ENSG00000021826	CPS1	2	210477682	210679107	201425	protein coding	-1.05	2.46E-03	1.94E-02

ENSG00000178184	PARD6G	18	80157232	80247514	90282	protein coding	-1.05	4.55E-03	2.88E-02
ENSG00000229140	CDC26	8	128634199	129683770	1049571	lncRNA	-1.05	9.59E-08	1.57E-05
ENSG00000261054	AC036108.2	15	99128832	99131806	2974	lncRNA-antisense	-1.05	4.58E-03	2.89E-02
ENSG00000233208	LINC00642	14	90453571	90490763	37192	lncRNA	-1.05	3.38E-03	2.39E-02
ENSG00000165495	PKNOX2	11	125164687	125433389	268702	protein coding	-1.05	3.46E-03	2.42E-02
ENSG00000164082	GRM2	3	51707068	51718613	11545	protein coding	-1.05	1.89E-05	8.11E-04
ENSG00000197467	COL13A1	10	69801880	69964275	162395	protein coding	-1.05	6.42E-06	3.78E-04
ENSG00000233723	LINC01122	2	58427799	59063766	635967	lncRNA	-1.05	4.50E-03	2.86E-02
ENSG00000234945	GTF3C2-AS1	2	27335520	27342599	7079	lncRNA-antisense	-1.05	1.69E-03	1.52E-02
ENSG00000162105	SHANK2	11	70467856	71252577	784721	protein coding	-1.05	7.00E-04	8.82E-03
ENSG00000173567	ADGRF3	2	26308173	26346817	38644	protein coding	-1.05	1.34E-04	3.04E-03
ENSG00000134765	DSC1	18	31129236	31162856	33620	protein coding	-1.05	1.54E-03	1.44E-02
ENSG00000261079	AC009053.2	16	74367462	74369826	2364	lncRNA	-1.05	6.79E-04	8.68E-03
ENSG00000233593	LINC02609	1	90769086	90851658	82572	lncRNA	-1.05	9.93E-04	1.10E-02
ENSG00000166268	MYRFL	12	69825227	69959097	133870	protein coding	-1.05	8.15E-03	4.16E-02
ENSG00000143552	NUP210L	1	153992685	154155116	162431	protein coding	-1.05	7.44E-05	2.07E-03
ENSG00000145794	MEGF1	5	127290796	127465737	174941	protein coding	-1.05	3.69E-03	2.52E-02
ENSG00000114455	HHLA2	3	108296490	108378285	81795	protein coding	-1.05	7.36E-03	3.90E-02
ENSG00000121653	MAPK8IP1	11	45885651	45906465	20814	protein coding	-1.05	2.52E-04	4.56E-03
ENSG00000228918	LINC01344	1	182096338	182314061	217723	lncRNA	-1.05	6.15E-03	3.47E-02
ENSG00000066382	MPPE2D	11	30384493	30586872	202379	protein coding	-1.05	4.91E-04	7.03E-03
ENSG00000112541	PDE10A	6	165327287	165988078	660791	protein coding	-1.05	3.92E-05	1.32E-03
ENSG00000197181	PIWIL2	8	22275316	22357568	82252	protein coding	-1.05	1.04E-04	2.59E-03
ENSG00000117407	ARTN	1	43933320	43937240	3920	protein coding	-1.05	7.16E-03	3.83E-02
ENSG00000124915	MYRF-AS1	11	61746493	61757655	11162	lncRNA	-1.06	3.93E-03	2.63E-02
ENSG00000159871	LYPD5	19	43785874	43827206	41332	protein coding	-1.06	2.44E-04	4.46E-03
ENSG00000007384	RHBDP1	16	58059	76355	18296	protein coding	-1.06	3.79E-03	2.57E-02
ENSG00000204991	SPIRE2	16	89818179	89871319	53140	protein coding	-1.06	9.90E-05	2.51E-03
ENSG00000205436	EXO3C14	14	103100144	103110559	10415	protein coding	-1.06	2.21E-03	1.82E-02
ENSG00000141756	FKBP10	17	41812680	41823213	10533	protein coding	-1.06	2.06E-03	1.74E-02
ENSG00000070886	EPHA8	1	22563489	22603595	40106	protein coding	-1.06	2.84E-03	2.13E-02
ENSG00000130477	UNC13A	19	17601328	17688365	87037	protein coding	-1.06	6.58E-03	3.62E-02
ENSG00000250754	LINC02436	4	185051081	185115500	64419	lncRNA	-1.06	5.50E-03	3.22E-02
ENSG00000064042	LIMCH1	4	41359607	41700044	340437	protein coding	-1.06	2.94E-04	5.06E-03
ENSG0000039580	RA14	5	34665328	34832612	176284	protein coding	-1.06	8.85E-04	1.02E-02
ENSG00000178636	AC092656.1	4	119192773	119212644	19871	transcribed processed pseudogene	-1.06	1.05E-02	4.88E-02
ENSG0000019505	SYT13	11	45240302	45286341	46039	protein coding	-1.06	2.39E-03	1.90E-02
ENSG00000101098	RIMS4	20	44751808	44810546	58738	protein coding	-1.06	5.27E-03	3.14E-02
ENSG00000075702	WDR62	19	36054881	36105108	50227	protein coding	-1.06	6.28E-06	3.71E-04
ENSG00000164619	BMPER	7	33904308	34156427	252119	protein coding	-1.06	2.50E-03	1.96E-02
ENSG00000263818	RDM1P5	17	39057019	39113190	56171	transcribed processed pseudogene	-1.06	5.93E-03	3.39E-02
ENSG00000081248	CACNA1S	1	201039512	201112451	72939	protein coding	-1.06	4.30E-03	2.78E-02
ENSG00000272235	AL590438.1	1	3306636	3310096	3460	lncRNA	-1.06	1.02E-02	4.81E-02
ENSG00000144395	CCDC150	2	196639554	196763490	123936	protein coding	-1.06	2.60E-04	4.67E-03
ENSG00000182156	ENPP7	17	79730943	79742219	11276	protein coding	-1.06	9.24E-03	4.50E-02
ENSG00000154277	UCHL1	4	41256413	41268455	12042	protein coding	-1.06	5.93E-03	3.39E-02
ENSG00000203131	LINC02841	10	123356450	123537767	181317	lncRNA	-1.06	8.06E-06	4.58E-04
ENSG00000124116	WFDC3	20	45747944	45791932	43988	protein coding	-1.06	6.85E-03	3.72E-02
ENSG00000047936	ROS1	6	117287353	117425942	138589	protein coding	-1.06	7.31E-03	3.88E-02
ENSG00000171094	ALK	2	29192774	29921586	728812	protein coding	-1.06	9.71E-05	2.48E-03
ENSG00000108684	ASIC2	17	33013087	34174964	1161877	protein coding	-1.06	7.07E-04	8.86E-03
ENSG00000100433	KCNK10	14	88180103	88326907	146804	protein coding	-1.06	8.95E-04	1.03E-02
ENSG00000117245	KIF17	1	20664014	20718017	54003	protein coding	-1.06	1.76E-03	1.56E-02
ENSG00000237988	QR21P	6	29550407	29557721	7314	protein coding	-1.06	2.90E-03	2.16E-02
ENSG00000281912	LINC01144	1	45303910	45305619	1709	lncRNA	-1.06	1.11E-03	1.18E-02
ENSG00000137878	GCOM1	15	57591908	57714745	122837	protein coding	-1.06	5.82E-05	1.72E-03
ENSG00000225465	RFPL1S	22	29436534	29478868	42334	lncRNA-antisense	-1.06	7.72E-06	4.27E-04
ENSG00000177350	RPL13AP3	14	55766177	55767717	1540	transcribed processed pseudogene	-1.06	5.75E-03	3.32E-02
ENSG00000256553	TRAV1-2	14	21642889	21643578	689	TR V gene	-1.06	1.67E-04	3.49E-03
ENSG00000189325	BNIP5	6	36315761	36336888	21127	protein coding	-1.06	6.30E-03	3.52E-02
ENSG00000260105	AOC4P	17	42865922	42874369	8447	transcribed unprocessed pseudogene	-1.06	7.84E-03	4.06E-02
ENSG00000175773	ZBTB44-DT	11	130314993	130403657	88664	lncRNA	-1.06	2.79E-04	4.89E-03
ENSG00000258405	ZNF578	19	52453553	52518882	63329	protein coding	-1.06	2.46E-04	4.49E-03
ENSG00000163286	ALPG	2	232406844	232410714	3870	protein coding	-1.06	3.57E-03	2.47E-02
ENSG00000142677	IL22RA1	1	24119771	24143140	23369	protein coding	-1.06	7.83E-03	4.05E-02
ENSG00000229676	ZNF492	19	22634324	22667671	33347	protein coding	-1.07	9.10E-03	4.46E-02
ENSG00000171435	KSR2	12	117453012	117968990	515978	protein coding	-1.07	1.70E-04	3.54E-03
ENSG00000136931	NRS1A	9	124481236	124507420	26184	protein coding	-1.07	4.64E-03	2.91E-02
ENSG00000197915	HRNR	1	152212076	152224193	12117	protein coding	-1.07	1.22E-03	1.25E-02
ENSG00000235172	LINC01366	5	170307722	170335508	27786	lncRNA	-1.07	8.84E-03	4.38E-02
ENSG00000262454	MIR193BHG	16	14301389	14331067	29678	lncRNA	-1.07	1.59E-03	1.47E-02
ENSG00000088305	DNMT3B	20	32762385	32809356	46971	protein coding	-1.07	2.85E-04	4.94E-03
ENSG00000132874	SLC14A2	18	45212995	45683688	470693	protein coding	-1.07	2.10E-03	1.76E-02
ENSG00000091513	TF	3	133746040	133796641	50601	protein coding	-1.07	7.59E-05	2.09E-03
ENSG00000203690	TCPL0L3	6	167357033	167384510	27477	transcribed unprocessed pseudogene	-1.07	1.07E-02	4.96E-02
ENSG00000183722	LHFPL6	13	39209116	39603528	394412	protein coding	-1.07	2.59E-03	2.01E-02
ENSG00000124334	IL9R	X	155997581	156010817	13236	protein coding	-1.07	3.47E-03	2.42E-02
ENSG00000169436	COL22A1	8	138588235	138914041	325806	protein coding	-1.07	1.67E-03	1.52E-02
ENSG00000174727	IGF1	12	102395874	102481744	85870	protein coding	-1.07	3.76E-03	2.56E-02
ENSG00000178243	C9orf62	9	135343249	135346562	3313	lncRNA	-1.07	1.02E-02	4.80E-02
ENSG00000272970	AC107294.2	3	184712245	184740104	27859	lncRNA	-1.07	6.60E-03	3.62E-02
ENSG00000286688	AP002748.6	11	66514306	66519720	5414	lncRNA	-1.07	4.16E-03	2.72E-02
ENSG00000079841	RIMS1	6	71886703	72403143	516440	protein coding	-1.07	7.58E-03	3.97E-02
ENSG00000196273	LINC00523	14	100657250	100676069	18819	lncRNA	-1.07	1.05E-02	4.88E-02
ENSG00000112499	SLC22A2	6	160171061	160277638	106577	protein coding	-1.07	3.90E-03	2.62E-02
ENSG00000119698	PPP4R4	14	94146128	94279734	133606	protein coding	-1.07	1.94E-03	1.67E-02
ENSG00000281406	BACAT1	1	205434885	205457091	22206	protein coding	-1.07	3.31E-03	2.35E-02
ENSG00000268182	SMIM17	19	56643159	56657247	14088	protein coding	-1.07	7.74E-03	4.02E-02
ENSG00000091622	PITPNM3	17	6451263	6556555	105292	protein coding	-1.07	1.94E-04	3.84E-03
ENSG00000177788	AL162595.1	1	229256892	229271242	14350	lncRNA-bidirectional promoter	-1.07	1.39E-03	1.35E-02

ENSG00000132854	KANK4	1	62236165	62319434	83269	protein coding	-1.07	1.23E-03	1.25E-02
ENSG00000163710	PCOLCE2	3	142815922	142889206	73284	protein coding	-1.07	4.52E-03	2.86E-02
ENSG00000129195	PIMREG	17	6444441	6451469	7028	protein coding	-1.07	6.03E-03	3.43E-02
ENSG00000105976	MET	7	116672196	116798377	126181	protein coding	-1.07	7.27E-03	3.87E-02
ENSG00000157224	CLDN12	7	90383721	90513402	129681	protein coding	-1.07	8.90E-05	2.34E-03
ENSG00000207041	RNU6-3P	X	141118030	141118136	106	snRNA	-1.07	2.22E-04	4.19E-03
ENSG00000136449	MYCBPAP	17	50508384	50531501	23117	protein coding	-1.07	5.72E-04	7.79E-03
ENSG00000137203	TFAP2A	6	10393186	10419659	26473	protein coding	-1.07	3.32E-03	2.36E-02
ENSG00000150873	C2orf50	2	11133128	11151317	18189	protein coding	-1.07	7.65E-04	9.32E-03
ENSG00000260288	ACO19294.2	15	75737820	75763322	25502	lncRNA	-1.07	1.70E-04	3.54E-03
ENSG00000088340	FER1L4	20	35558737	35607562	48825	transcribed unitary pseudogene	-1.07	2.29E-03	1.86E-02
ENSG00000103175	WDFC1	16	84294846	84329844	34998	protein coding	-1.07	2.34E-03	1.88E-02
ENSG00000151468	CCDC3	10	12896625	13099652	203027	protein coding	-1.07	2.06E-03	1.74E-02
ENSG00000158008	EXTL1	1	26019884	26036464	16580	protein coding	-1.07	4.25E-03	2.76E-02
ENSG00000287338	AL929091.1	1	223091872	223103335	11463	lncRNA	-1.07	1.18E-03	1.23E-02
ENSG00000284713	SMIM38	11	69155478	69159752	4274	protein coding	-1.07	5.42E-03	3.19E-02
ENSG00000140955	ADAD2	16	84191138	84197168	6030	protein coding	-1.07	1.56E-03	1.45E-02
ENSG00000159915	ZNF233	19	44259880	44275317	15437	protein coding	-1.07	9.52E-04	1.07E-02
ENSG00000258628	RHPN2P1	15	20228620	20277503	48883	unprocessed pseudogene	-1.08	7.41E-03	3.91E-02
ENSG00000127129	EDN2	1	41478775	41484683	5908	protein coding	-1.08	7.04E-03	3.78E-02
ENSG00000266602	AP005262.1	18	1509022	2049510	540488	lncRNA	-1.08	7.03E-03	3.78E-02
ENSG00000178445	GLDC	9	6532467	6645729	113262	protein coding	-1.08	1.15E-03	1.20E-02
ENSG00000132793	LPIN3	20	41340821	41360582	19761	protein coding	-1.08	2.65E-03	2.04E-02
ENSG00000170959	DCDC1	11	30830369	31369810	539441	protein coding	-1.08	2.52E-04	4.56E-03
ENSG00000188467	SLC24A5	15	48120990	48142672	21682	protein coding	-1.08	4.93E-03	3.02E-02
ENSG00000168367	LINC00917	16	86331632	86349688	18056	lncRNA	-1.08	3.93E-03	2.63E-02
ENSG00000198597	ZNF536	19	30228290	30713538	485248	protein coding	-1.08	7.69E-03	4.00E-02
ENSG00000268869	ESPNP	1	16687339	16720157	32818	transcribed unprocessed pseudogene	-1.08	2.40E-03	1.90E-02
ENSG00000135697	BCO1	16	81238689	81291142	52453	protein coding	-1.08	1.17E-02	4.95E-02
ENSG00000137648	TMPSRD4	11	118077012	118121890	44878	protein coding	-1.08	7.02E-03	3.78E-02
ENSG00000092621	PHGDH	1	119648411	119744218	95807	protein coding	-1.08	5.52E-08	1.02E-05
ENSG00000287346	AL132712.2	14	103873148	103880381	7233	lncRNA	-1.08	2.59E-04	4.66E-03
ENSG00000130413	STK33	11	8391868	8594289	202421	protein coding	-1.08	1.10E-04	2.68E-03
ENSG00000196091	MYBPC1	12	101568353	101686028	117675	protein coding	-1.08	4.71E-03	2.94E-02
ENSG00000169783	LINGO1	15	77613027	77820900	207873	protein coding	-1.08	2.09E-03	1.76E-02
ENSG00000162592	CCDC27	1	3746460	3771645	25185	protein coding	-1.08	7.86E-04	9.48E-03
ENSG00000132204	LINC00470	18	1254383	1408344	153961	lncRNA	-1.08	3.76E-03	2.56E-02
ENSG00000138028	GREYF1	2	27098889	27119128	20239	protein coding	-1.08	4.56E-03	2.88E-02
ENSG00000203930	LINC00632	X	140709562	140793215	83653	lncRNA-antisense	-1.08	1.54E-04	3.32E-03
ENSG00000147465	STAR	8	38142700	38150992	8292	protein coding	-1.08	2.96E-03	2.18E-02
ENSG00000241935	HOGA1	10	97584323	97612802	28479	protein coding	-1.08	8.71E-03	4.34E-02
ENSG00000250420	AACSP1	5	178764861	178818435	53574	transcribed unprocessed pseudogene	-1.08	6.03E-03	3.43E-02
ENSG00000136531	NCN2A	2	165194993	165392310	197317	protein coding	-1.08	5.04E-04	7.14E-03
ENSG00000169946	ZFPM2	8	104590733	105804539	1213806	protein coding	-1.08	4.76E-03	2.96E-02
ENSG00000070019	GUCY2C	12	14612632	14696599	83967	protein coding	-1.08	8.03E-04	9.59E-03
ENSG00000215568	GAB4	22	16961936	17008222	46286	protein coding	-1.08	2.38E-03	1.89E-02
ENSG00000277152	AC110048.2	15	66860303	66867023	6720	lncRNA	-1.08	4.42E-06	2.83E-04
ENSG00000185250	PPLI6	6	109390215	109441171	50956	protein coding	-1.08	8.57E-04	9.97E-03
ENSG00000166819	PLIN1	15	89664367	89679427	15060	protein coding	-1.08	7.72E-04	9.38E-03
ENSG00000087303	NID2	14	52004803	52069228	64425	protein coding	-1.08	1.46E-04	3.21E-03
ENSG00000152137	HSPB8	12	119171555	119224855	53300	protein coding	-1.08	1.08E-02	4.98E-02
ENSG00000227517	LINC01483	17	69577251	69903000	325749	lncRNA	-1.08	4.96E-03	3.03E-02
ENSG00000275383	AC126773.6	16	68591382	68594424	3042	lncRNA	-1.08	1.67E-04	3.50E-03
ENSG00000146938	NLGN4X	X	5840637	6228867	388230	protein coding	-1.08	8.29E-03	4.21E-02
ENSG00000284606	AC105233.4	8	8059572	8199973	140401	lncRNA	-1.08	3.43E-05	1.21E-03
ENSG00000092445	TYRO3	15	41557675	41583589	25914	protein coding	-1.08	1.20E-03	1.24E-02
ENSG00000288568	AC092720.3	16	87492555	87516940	24385	lncRNA	-1.08	1.36E-03	1.33E-02
ENSG00000232006	AC005537.1	7	42954135	43113931	159796	lncRNA	-1.08	2.15E-03	1.79E-02
ENSG00000107130	NC51	9	130172404	130237303	64899	protein coding	-1.08	1.01E-04	2.54E-03
ENSG00000002746	HECW1	7	43112629	43566001	453372	protein coding	-1.08	8.10E-04	9.64E-03
ENSG00000105792	CFAP89	7	90245174	90311063	65889	protein coding	-1.08	5.21E-03	3.13E-02
ENSG00000167723	TRPV3	17	3510502	3557812	47310	protein coding	-1.08	1.03E-05	5.30E-04
ENSG00000236404	VLDLR-AS1	9	2421597	2643359	221762	lncRNA-antisense	-1.09	5.29E-03	3.15E-02
ENSG00000261996	AC004706.1	17	6653464	6655009	1545	lncRNA	-1.09	1.08E-02	4.98E-02
ENSG00000092054	MYH7	14	23412740	23435660	22920	protein coding	-1.09	6.33E-03	3.53E-02
ENSG00000175262	C1orf127	1	10946471	10982037	35566	protein coding	-1.09	7.47E-04	9.18E-03
ENSG00000272720	AL022322.1	22	38090127	38091559	1432	lncRNA	-1.09	8.19E-03	4.17E-02
ENSG00000202538	RNU4-2	12	120291763	120291903	140	snRNA	-1.09	1.28E-03	1.28E-02
ENSG00000182070	ORS2A1	11	5143219	5154757	11538	protein coding	-1.09	7.44E-04	9.15E-03
ENSG00000103855	CD276	15	73683966	73714514	30548	protein coding	-1.09	1.11E-04	2.69E-03
ENSG00000168078	PBK	8	27809624	27838082	28458	protein coding	-1.09	9.18E-03	4.48E-02
ENSG00000285094	LINC01488	11	69481662	69494952	13290	lncRNA	-1.09	7.67E-03	4.00E-02
ENSG00000143850	PLEKHA6	1	204218853	204377665	158812	protein coding	-1.09	4.97E-05	1.56E-03
ENSG00000250198	LINC02199	5	8839700	8898052	58352	lncRNA	-1.09	4.43E-03	2.83E-02
ENSG00000143036	SLC44A3	1	94820342	94895246	74904	protein coding	-1.09	5.93E-03	3.39E-02
ENSG00000165863	C1orf82	10	116663696	116670264	6568	protein coding	-1.09	9.89E-03	4.71E-02
ENSG00000138136	LBX1	10	101226195	101229794	3599	protein coding	-1.09	5.80E-03	3.34E-02
ENSG00000247157	LINC01252	12	11548030	11590369	42339	lncRNA	-1.09	2.98E-04	5.11E-03
ENSG00000170419	VSTM2A	7	54542325	54571080	28755	protein coding	-1.09	5.63E-03	3.27E-02
ENSG00000089723	OTUB2	14	94026340	94048930	22590	protein coding	-1.09	6.46E-04	8.43E-03
ENSG00000142661	MYO13	1	24056035	24112135	56100	protein coding	-1.09	3.76E-03	2.56E-02
ENSG00000183317	EPHA10	1	37713880	37765133	51253	protein coding	-1.09	2.84E-04	4.94E-03
ENSG00000251396	LINC01301	8	60289928	60516795	226867	lncRNA	-1.09	1.70E-03	1.53E-02
ENSG00000106018	VIPR2	7	159028175	159144867	116692	protein coding	-1.09	2.93E-05	1.08E-03
ENSG00000287403	AC016245.2	17	80824170	80828900	2730	lncRNA	-1.09	9.48E-03	4.58E-02
ENSG00000108852	MPP2	17	43875357	43909711	34354	protein coding	-1.09	1.01E-04	2.54E-03
ENSG00000224209	LINC00466	1	63159083	63317274	158191	lncRNA	-1.09	6.33E-04	8.32E-03
ENSG00000166558	SLC38A8	16	84009667	84042795	33128	protein coding	-1.09	4.77E-03	2.96E-02
ENSG00000206195	DUXAP8	22	15784959	15829984	45025	lncRNA	-1.09	7.90E-03	4.07E-02
ENSG00000083307	GRHL2	8	101492439	101669726	177287	protein coding	-1.09	7.93E-03	4.08E-02

ENSG00000211784	TRAV10	14	21825472	21826075	603	TR V_gene	-1.09	1.07E-03	1.16E-02
ENSG0000082684	SEMA5B	3	122909082	123028605	119523	protein coding	-1.09	1.19E-04	2.80E-03
ENSG00000115423	DNAH6	2	84516455	84819589	303134	protein coding	-1.09	5.78E-09	1.61E-06
ENSG00000186889	TMEM17	2	62500218	62511894	11676	protein coding	-1.09	4.48E-03	2.84E-02
ENSG00000228791	THRBS-AS1	3	24494087	24681711	187624	lncRNA	-1.09	4.98E-03	3.04E-02
ENSG00000253394	LINC00534	8	90221341	90687863	466522	lncRNA	-1.09	2.44E-04	4.46E-03
ENSG00000259692	AC104041.1	15	81633426	82013579	380153	lncRNA	-1.09	1.04E-03	1.13E-02
ENSG0000088756	ARHGAP28	18	6729716	6915716	186000	protein coding	-1.09	3.74E-03	2.55E-02
ENSG00000152078	TLCD4	1	95117355	95197607	80252	protein coding	-1.09	7.22E-07	7.77E-05
ENSG00000150760	DOCK1	10	126905409	127452517	547108	protein coding	-1.09	3.57E-07	4.35E-05
ENSG00000101144	BMP7	20	57168753	57266641	97888	protein coding	-1.09	2.07E-03	1.74E-02
ENSG00000202217	RN7SKP47	9	74799895	74800222	327	misc RNA	-1.09	2.77E-03	2.10E-02
ENSG00000164175	SLC45A2	5	33944623	33984693	40070	protein coding	-1.09	6.34E-03	3.53E-02
ENSG00000111783	RFX4	12	106583004	106762803	179799	protein coding	-1.09	8.14E-03	4.16E-02
ENSG00000154639	CXADR	21	17513043	17593579	80536	protein coding	-1.09	1.78E-03	1.58E-02
ENSG00000166510	CCDC68	18	54901509	54959461	57952	protein coding	-1.09	4.85E-03	2.99E-02
ENSG00000234261	AL138720.1	6	14661829	15090170	428344	lncRNA	-1.09	6.38E-03	3.55E-02
ENSG00000169418	NPR1	1	153678688	153693992	15304	protein coding	-1.10	3.19E-03	2.29E-02
ENSG00000100122	CRYBB1	22	26599278	26618027	18749	protein coding	-1.10	5.88E-03	3.37E-02
ENSG00000136859	ANGPTL2	9	127087348	127122635	35287	protein coding	-1.10	5.13E-03	3.10E-02
ENSG00000135436	FAM186B	12	49582885	49605639	22754	protein coding	-1.10	8.70E-04	1.01E-02
ENSG00000204929	AC007389.1	2	65436711	66200373	763662	lncRNA	-1.10	3.71E-03	2.53E-02
ENSG00000136848	DAB2IP	9	121567057	121785530	218473	protein coding	-1.10	3.27E-04	5.45E-03
ENSG00000273628	AL354798.1	13	24933006	24936796	3790	unprocessed pseudogene	-1.10	1.06E-02	4.93E-02
ENSG00000158815	FGF17	8	22042398	22048809	6411	protein coding	-1.10	6.94E-03	3.75E-02
ENSG00000127329	PTPRB	12	70515870	70637440	121570	protein coding	-1.10	1.45E-05	6.70E-04
ENSG00000104338	PRSS3	9	33750679	33799231	48552	protein coding	-1.10	9.28E-03	4.51E-02
ENSG00000131080	EDA2R	X	66595637	66639298	43661	protein coding	-1.10	5.88E-03	3.37E-02
ENSG00000166359	WDR88	19	33132090	33175799	43709	protein coding	-1.10	2.04E-03	1.73E-02
ENSG00000263761	GDF2	10	47322454	47327588	5134	protein coding	-1.10	1.05E-02	4.88E-02
ENSG00000151067	CACNA1C	12	1970786	2697950	727164	protein coding	-1.10	1.98E-04	3.89E-03
ENSG00000228623	ZNF883	9	112957722	113012227	54505	transcribed unprocessed pseudogene	-1.10	6.41E-03	3.56E-02
ENSG00000078328	RBFOX1	16	5239802	7713340	2473538	protein coding	-1.10	4.76E-05	1.51E-03
ENSG0000015592	STMN4	8	27235323	27258420	23097	protein coding	-1.10	8.39E-03	4.24E-02
ENSG00000214820	MPRIIP1	3	44579938	44581026	1088	processed pseudogene	-1.10	9.47E-04	1.06E-02
ENSG00000206538	VGLL3	3	86876388	86991149	114761	protein coding	-1.10	1.07E-02	4.95E-02
ENSG00000182048	TRPC2	11	3609901	3637559	27658	transcribed unprocessed pseudogene	-1.10	1.51E-03	1.42E-02
ENSG00000157890	MEGF11	15	65895079	66253747	358668	protein coding	-1.10	3.99E-05	1.33E-03
ENSG00000278570	NR2E3	15	71792638	71818259	25621	protein coding	-1.10	6.48E-03	3.58E-02
ENSG00000235597	LINC01102	2	104430130	104532747	102617	lncRNA	-1.10	2.62E-03	2.02E-02
ENSG00000164684	ZNF704	8	80628451	80874781	246330	protein coding	-1.10	4.47E-04	6.61E-03
ENSG00000280159	AC016583.1	5	54643557	54645987	2430	TEC	-1.10	4.21E-04	6.39E-03
ENSG00000165125	TRPV6	7	142871208	142885745	14537	protein coding	-1.10	2.38E-03	1.89E-02
ENSG00000178201	VN1R1	19	57454790	57457142	2352	protein coding	-1.10	9.52E-03	4.59E-02
ENSG00000121068	TBX2	17	61399843	61409466	9623	protein coding	-1.10	1.27E-03	1.28E-02
ENSG00000185958	FAM186A	12	50326230	50396622	70392	protein coding	-1.10	1.19E-03	1.24E-02
ENSG00000214770	AL161756.1	14	64329431	64338639	9208	lncRNA-antisense	-1.10	7.71E-04	9.38E-03
ENSG00000260287	TBC1D3G	17	36323884	36334759	10875	protein coding	-1.10	1.09E-03	1.16E-02
ENSG00000260918	AC107398.3	4	47431960	47438959	6999	lncRNA-sense overlapping	-1.10	8.51E-03	4.27E-02
ENSG00000214612	RPS19P1	20	18504633	18505066	433	processed pseudogene	-1.10	5.63E-03	3.27E-02
ENSG00000183324	REC114	15	73443164	73560013	116849	protein coding	-1.10	7.39E-03	3.90E-02
ENSG00000245651	AC083805.1	12	57869834	57896482	26648	lncRNA	-1.10	5.73E-03	3.31E-02
ENSG00000176495	OR5AN1	11	59358895	59371714	12819	protein coding	-1.10	6.31E-03	3.52E-02
ENSG00000086570	FAT2	5	151504093	151568944	64851	protein coding	-1.10	2.36E-04	4.37E-03
ENSG00000153707	PTPRD	9	8314246	10612723	2298477	protein coding	-1.10	4.99E-03	3.04E-02
ENSG00000241484	ARHGAP8	22	44752558	44862788	110230	protein coding	-1.10	1.52E-03	1.42E-02
ENSG00000099724	MASP2	1	11026523	11047239	20716	protein coding	-1.10	1.58E-05	7.10E-04
ENSG00000249628	LINC00942	12	1500525	1504424	3899	lncRNA	-1.10	7.27E-03	3.87E-02
ENSG00000113361	CDH6	5	31193686	31329146	135460	protein coding	-1.10	5.84E-04	7.90E-03
ENSG00000168032	ENTPD3	3	40387184	40428744	41560	protein coding	-1.11	5.91E-03	3.38E-02
ENSG00000185585	OLFML2A	9	124777133	124814885	37752	protein coding	-1.11	2.45E-04	4.46E-03
ENSG00000170615	SLC26A5	7	103352730	103446207	93477	protein coding	-1.11	5.45E-03	3.21E-02
ENSG00000128422	KRT17	17	41619442	41624842	5400	protein coding	-1.11	3.46E-03	2.42E-02
ENSG00000143355	LHX9	1	197911902	197935478	23576	protein coding	-1.11	1.45E-03	1.38E-02
ENSG00000213225	NOC2LP1	2	130229379	130232106	2727	transcribed processed pseudogene	-1.11	5.99E-03	3.41E-02
ENSG00000179213	SIGLEC1L	19	51246348	51269330	22982	protein coding	-1.11	8.46E-03	4.26E-02
ENSG00000259293	LIPC-AS1	15	58434890	58498735	63845	lncRNA-antisense	-1.11	1.06E-02	4.93E-02
ENSG00000214016	RPSAP1	X	44741087	44741964	877	processed pseudogene	-1.11	8.52E-03	4.27E-02
ENSG00000154080	CHST9	18	26906481	27185308	278827	protein coding	-1.11	2.89E-03	2.15E-02
ENSG00000228110	ST13P19	1	210285636	210267241	1605	processed pseudogene	-1.11	3.43E-03	2.41E-02
ENSG00000104967	NOVA2	19	45933734	45974044	40310	protein coding	-1.11	5.61E-03	3.26E-02
ENSG00000160345	C9orf116	9	135495181	135501734	6553	protein coding	-1.11	3.75E-03	2.55E-02
ENSG00000157578	LCA5L	21	39405844	39445805	39961	protein coding	-1.11	4.64E-04	6.78E-03
ENSG00000272150	NBPF25P	1	145572345	145607858	35513	transcribed unprocessed pseudogene	-1.11	1.02E-06	9.79E-05
ENSG00000131620	ANO1	11	70078302	70189528	111226	protein coding	-1.11	3.61E-03	2.49E-02
ENSG00000166833	NAV2	11	19350724	20121601	770877	protein coding	-1.11	2.76E-06	2.03E-04
ENSG00000154556	SORBS2	4	185585444	185956652	371208	protein coding	-1.11	6.47E-05	1.85E-03
ENSG00000280418	AC007326.2	22	18951934	18959512	7578	lncRNA	-1.11	2.21E-03	1.82E-02
ENSG00000146006	LRRTM2	5	138868921	138875368	6447	protein coding	-1.11	6.85E-03	3.72E-02
ENSG00000230805	AL132709.7	14	101071978	101077910	5932	lncRNA	-1.11	5.10E-03	3.08E-02
ENSG00000167306	MYO5B	18	49822789	50195147	372358	protein coding	-1.11	5.18E-05	1.60E-03
ENSG00000204653	ASPDH	19	50511600	50514690	3090	protein coding	-1.11	4.55E-04	6.70E-03
ENSG00000285367	AC087564.1	16	51150770	51442519	291749	lncRNA	-1.11	1.89E-03	1.64E-02
ENSG000000005108	THSD7A	7	11370365	11832198	461833	protein coding	-1.11	4.32E-05	1.40E-03
ENSG00000163092	XIRP2	2	166888480	167259753	371273	protein coding	-1.11	4.21E-03	2.74E-02
ENSG00000189375	TBC1D28	17	18634247	18644427	10180	protein coding	-1.11	5.56E-03	3.24E-02
ENSG00000134757	DSG3	18	31447741	31478702	30961	protein coding	-1.11	9.94E-03	4.72E-02
ENSG00000240497	AC092919.1	3	171459248	171469702	10454	lncRNA	-1.11	1.24E-03	1.26E-02
ENSG00000220785	MTMR9L	1	32231658	32241620	9962	transcribed unprocessed pseudogene	-1.11	1.48E-03	1.41E-02
ENSG00000253943	KRT18P37	8	41511240	41512521	1281	processed pseudogene	-1.11	3.97E-04	6.16E-03

ENSG00000174332	GLIS1	1	53506237	53738106	231869	protein coding	-1.11	2.22E-03	1.82E-02
ENSG00000237515	SHISA9	16	12901598	13240416	338818	protein coding	-1.11	3.40E-03	2.39E-02
ENSG00000154262	ABCA6	17	69078702	69141895	63193	protein coding	-1.11	1.98E-05	8.38E-04
ENSG00000183454	GRIN2A	16	9753404	10182928	429524	protein coding	-1.11	3.38E-04	5.57E-03
ENSG00000197763	TXNRD3	3	126571779	126655124	83345	protein coding	-1.11	2.11E-05	8.65E-04
ENSG00000175785	PRIMA1	14	93718298	93788485	70187	protein coding	-1.11	9.23E-03	4.50E-02
ENSG00000070159	PTPN3	9	109375466	109498313	122847	protein coding	-1.11	4.64E-04	6.78E-03
ENSG00000158571	PKFB1	X	54932961	54998534	65573	protein coding	-1.11	1.19E-03	1.23E-02
ENSG00000146700	SSC4D	7	76389334	76409697	20363	protein coding	-1.11	1.50E-03	1.42E-02
ENSG00000283828	AL137002.2	13	113149432	113154002	4570	lncRNA-antisense	-1.11	2.89E-03	2.15E-02
ENSG00000112812	PRSS16	6	27247701	27256624	8923	protein coding	-1.11	1.22E-04	2.87E-03
ENSG00000088280	ASAP3	1	23428563	23484568	56005	protein coding	-1.11	1.89E-04	3.78E-03
ENSG00000137834	SMAD6	15	66702236	66782849	80613	protein coding	-1.12	2.96E-04	5.09E-03
ENSG00000261713	SSTR5-AS1	16	1064093	1078731	14638	lncRNA	-1.12	7.27E-03	3.87E-02
ENSG00000260661	AC116903.2	15	92148752	92331037	182285	lncRNA-antisense	-1.12	5.17E-03	3.11E-02
ENSG00000165643	SOHLH1	9	135693407	135704498	11091	protein coding	-1.12	2.02E-03	1.72E-02
ENSG00000165370	GPR101	X	137023929	137033995	10066	protein coding	-1.12	6.52E-03	3.60E-02
ENSG00000143107	FNDCT7	1	108712908	108742749	29841	protein coding	-1.12	5.34E-03	3.16E-02
ENSG00000261649	GOLGA6L7	15	28841833	28848675	6842	protein coding	-1.12	9.05E-03	4.44E-02
ENSG00000278746	RN7SL60P0	14	32442341	32442639	298	misc RNA	-1.12	1.32E-03	1.31E-02
ENSG00000235478	LINC01664	22	17121560	17132104	10544	lncRNA	-1.12	7.22E-03	3.85E-02
ENSG00000203734	ECT2L2	6	138795911	138904070	108159	protein coding	-1.12	1.13E-03	1.19E-02
ENSG00000251568	ALG3P1	5	5375723	5376836	1113	processed pseudogene	-1.12	7.15E-03	3.83E-02
ENSG00000215218	UBE2QL1	5	6448859	6496723	47864	protein coding	-1.12	8.65E-03	4.31E-02
ENSG00000205853	RFPL3S	22	32359886	32382106	22220	lncRNA	-1.12	6.02E-06	3.58E-04
ENSG00000154678	PDE1C	7	31751179	32428131	676952	protein coding	-1.12	7.45E-04	9.15E-03
ENSG00000242147	LASTR	10	5594984	5632566	37582	lncRNA	-1.12	6.89E-03	3.73E-02
ENSG00000230102	LINC02028	3	194005259	194071025	65766	lncRNA	-1.12	4.23E-03	2.75E-02
ENSG00000198010	DLGAP2	8	737628	1708476	970848	protein coding	-1.12	7.61E-04	9.30E-03
ENSG00000241644	INMT	7	30697985	30757602	59617	protein coding	-1.12	8.83E-04	1.02E-02
ENSG00000276462	BX255923.2	9	41100793	41119909	19116	lncRNA	-1.12	4.81E-03	2.98E-02
ENSG00000255390	AC091564.4	11	6621451	6622322	871	lncRNA-antisense	-1.12	1.06E-02	4.92E-02
ENSG00000285679	AC079142.1	X	7928443	8374386	445943	lncRNA-antisense	-1.12	9.75E-03	4.66E-02
ENSG00000070748	CHAT	10	49609095	49667942	58847	protein coding	-1.12	1.37E-03	1.34E-02
ENSG00000159263	SIM2	21	36699115	36749917	50802	protein coding	-1.12	1.67E-03	1.51E-02
ENSG00000168743	NPNT	4	10589475	106004027	109252	protein coding	-1.12	7.74E-03	4.02E-02
ENSG00000168306	ACOX2	3	58505136	58537283	32147	protein coding	-1.12	1.43E-03	1.38E-02
ENSG00000101276	SLC52A3	20	760080	776015	15935	protein coding	-1.12	2.47E-03	1.94E-02
ENSG00000136928	GABBR2	9	98288109	98708935	420826	protein coding	-1.12	2.37E-03	1.89E-02
ENSG00000116833	NRSA2	1	200027614	200177420	149806	protein coding	-1.12	7.61E-03	3.98E-02
ENSG00000241651	AC099340.1	4	128069014	128069612	598	processed pseudogene	-1.12	8.45E-04	9.88E-03
ENSG00000185933	CALHM1	10	103453240	103458900	5660	protein coding	-1.12	4.11E-03	2.70E-02
ENSG00000151572	ANO4	12	100717526	101128641	411115	protein coding	-1.12	4.54E-03	2.87E-02
ENSG00000131711	MARP1B	5	72107234	72209565	102331	protein coding	-1.12	8.58E-06	4.58E-04
ENSG00000236303	LINC02646	10	130213488	130483193	269705	lncRNA	-1.12	6.73E-03	3.67E-02
ENSG00000250120	PCDH1A10	5	140855883	141012347	156464	protein coding	-1.12	3.65E-03	2.50E-02
ENSG00000286084	AL096794.1	6	105403207	105588802	185595	lncRNA-bidirectional promoter	-1.12	5.32E-03	3.16E-02
ENSG00000161647	MPP3	17	43800799	43833170	32371	protein coding	-1.12	1.23E-04	2.87E-03
ENSG0000019144	PHLDB1	11	118606440	118658031	51591	protein coding	-1.12	7.15E-07	7.74E-05
ENSG00000231437	LINC01750	1	111989770	111998842	9072	lncRNA	-1.12	1.02E-02	4.79E-02
ENSG00000110900	TSPAN11	12	30926428	30996602	70174	protein coding	-1.12	1.50E-03	1.41E-02
ENSG00000202260	RN7SKP69	20	17576206	17576510	304	misc RNA	-1.12	2.22E-03	1.82E-02
ENSG00000188783	PRELP	1	203475806	203491352	15546	protein coding	-1.12	3.91E-03	2.62E-02
ENSG00000124159	MATN4	20	45293445	45308529	15084	protein coding	-1.12	3.71E-03	2.54E-02
ENSG00000175175	PPM1E	17	58755854	58985179	229325	protein coding	-1.12	3.69E-03	2.52E-02
ENSG00000136881	BAAT	9	101354182	101385400	31218	protein coding	-1.12	2.10E-03	1.76E-02
ENSG00000231431	FAR2P4	2	131279290	131309068	29778	transcribed unprocessed pseudogene	-1.12	1.04E-02	4.87E-02
ENSG00000283638	AC002407.1	X	134168911	134174089	5178	lncRNA	-1.12	7.83E-03	4.05E-02
ENSG00000126562	WNK4	17	42780610	42797066	16456	protein coding	-1.12	1.77E-03	1.57E-02
ENSG00000188916	INSY2A	10	127135426	127196591	61165	protein coding	-1.12	2.02E-03	1.72E-02
ENSG00000166415	WDR72	15	53513741	53762878	249137	protein coding	-1.12	1.69E-03	1.53E-02
ENSG00000230262	LINC02603	9	94176492	94259545	83053	lncRNA	-1.12	1.53E-03	1.43E-02
ENSG00000186081	KRT5	12	52514575	52520530	5955	protein coding	-1.12	6.68E-04	8.60E-03
ENSG00000141161	UNC45B	17	35147817	35189345	41528	protein coding	-1.12	1.47E-04	3.22E-03
ENSG00000105559	PLEKHA4	19	48837097	48868617	31520	protein coding	-1.12	4.12E-04	6.32E-03
ENSG00000247416	AP000802.1	11	112959279	112963460	4181	lncRNA-antisense	-1.12	6.78E-03	3.69E-02
ENSG00000171877	FRMD5	15	43870761	44195271	324510	protein coding	-1.12	1.78E-03	1.68E-02
ENSG00000249345	LINC02405	12	126915199	127060565	145366	lncRNA	-1.12	4.15E-03	2.72E-02
ENSG00000101353	MROH8	20	37101226	37179588	78362	protein coding	-1.12	7.00E-06	4.00E-04
ENSG00000134917	ADAMT58	11	130404923	130428609	23686	protein coding	-1.12	1.32E-03	1.31E-02
ENSG00000139219	COL2A1	12	47972967	48004554	31587	protein coding	-1.12	2.64E-03	2.03E-02
ENSG00000167419	LPO	17	58218548	58268518	49970	protein coding	-1.12	1.01E-04	2.55E-03
ENSG00000233623	PGAM1P11	1	10058671	10059648	977	processed pseudogene	-1.12	5.74E-03	3.32E-02
ENSG00000152128	TMEM163	2	134455759	134719000	263241	protein coding	-1.12	1.47E-04	3.21E-03
ENSG00000110436	SLC1A2	11	35251205	35420063	168858	protein coding	-1.12	1.48E-04	3.24E-03
ENSG00000243316	GUCY2GP	10	112308181	112356574	48393	transcribed unitary pseudogene	-1.13	9.05E-03	4.44E-02
ENSG00000286151	AL732406.1	1	157400927	157417259	16332	unprocessed pseudogene	-1.13	2.84E-03	2.13E-02
ENSG00000226476	LINC01748	1	60515716	60640507	124791	lncRNA	-1.13	1.37E-03	1.34E-02
ENSG00000279839	AL512383.1	1	3205988	3208664	2676	TEC	-1.13	2.25E-03	1.83E-02
ENSG00000096088	PGC	6	41736711	41754109	17398	protein coding	-1.13	1.08E-02	4.98E-02
ENSG00000103546	SLC6A2	16	56655604	55706192	50588	protein coding	-1.13	6.09E-03	3.45E-02
ENSG00000180264	ADGR2	9	124451425	124478589	27164	protein coding	-1.13	2.39E-03	1.90E-02
ENSG00000136235	GNPMB	7	23235967	23275108	39141	protein coding	-1.13	2.16E-04	4.11E-03
ENSG00000256546	AC156455.1	12	122063306	122068616	5310	lncRNA	-1.13	1.43E-03	1.38E-02
ENSG00000163618	CADPS	3	62398346	62875416	477070	protein coding	-1.13	1.90E-04	3.79E-03
ENSG00000185634	SHC4	15	48823741	48963919	140178	protein coding	-1.13	7.40E-04	9.12E-03
ENSG00000146648	EGFR	7	55019017	55211628	192611	protein coding	-1.13	5.14E-04	7.23E-03
ENSG00000186715	MST1L	1	16754910	16770237	15327	transcribed unprocessed pseudogene	-1.13	1.85E-03	1.62E-02
ENSG00000095587	TLL2	10	96364608	96513926	149318	protein coding	-1.13	1.69E-04	3.52E-03
ENSG00000129009	ISLR	15	74173710	74176872	3162	protein coding	-1.13	8.01E-03	4.12E-02

ENSG0000198732	SMOC1	14	69854131	70032366	178235	protein coding	-1.13	5.28E-04	7.39E-03
ENSG0000068615	REEP1	2	86213993	86338083	124909	protein coding	-1.13	7.09E-04	8.88E-03
ENSG0000280953	LINC01163	10	128181032	128317726	136694	lncRNA	-1.13	1.30E-05	6.23E-04
ENSG0000258551	CRAT37	15	91408708	91605873	197165	lncRNA	-1.13	5.80E-03	3.34E-02
ENSG0000154096	THY1	11	119415476	119424985	9509	protein coding	-1.13	1.96E-03	1.68E-02
ENSG0000233746	LINC00656	20	23125068	23132635	7567	lncRNA	-1.13	1.09E-03	1.16E-02
ENSG0000226674	TEX41	2	144666312	145262988	596676	lncRNA	-1.13	2.74E-04	4.84E-03
ENSG00000214198	TTC41P	12	103843749	103930211	86462	transcribed unitary pseudogene	-1.13	8.26E-06	4.47E-04
ENSG0000003989	SLC7A2	8	17497088	17570573	73485	protein coding	-1.13	4.99E-03	3.04E-02
ENSG0000163673	DCLK3	3	36712422	36764349	51927	protein coding	-1.13	7.19E-03	3.84E-02
ENSG0000171016	PYGO1	15	55538884	55588947	50063	protein coding	-1.13	4.69E-03	2.93E-02
ENSG0000226746	SMCR5	17	17776686	17779529	2843	lncRNA-antisense	-1.13	9.60E-03	4.61E-02
ENSG0000196990	FAM163B	9	133577081	133609389	32308	protein coding	-1.13	8.12E-03	4.15E-02
ENSG0000169684	CHRNA5	15	78565520	78595269	29749	protein coding	-1.13	2.04E-04	3.96E-03
ENSG0000146950	SHROOM2	X	9786429	9949443	163014	protein coding	-1.13	4.75E-04	6.88E-03
ENSG0000203520	AP000753.1	11	63616308	63621671	5363	lncRNA-antisense	-1.13	7.51E-03	3.94E-02
ENSG0000186487	MYT1L	2	1789113	2331664	542551	protein coding	-1.13	5.36E-05	1.63E-03
ENSG0000101115	SALL4	20	51782331	51802521	20190	protein coding	-1.13	3.80E-04	6.01E-03
ENSG0000260423	LINC02367	12	9347056	9400387	53331	lncRNA	-1.13	3.08E-04	5.23E-03
ENSG0000259905	PWRN1	15	24101827	24823365	721538	lncRNA	-1.13	3.83E-04	6.04E-03
ENSG0000053108	FSTL4	5	133196455	133612541	416086	protein coding	-1.13	4.16E-05	1.37E-03
ENSG0000269235	ZNF350-AS1	19	51949134	51981367	32233	lncRNA-antisense	-1.13	5.32E-03	3.16E-02
ENSG0000172478	MAB21L4	2	240886048	240896889	10841	protein coding	-1.13	7.49E-03	3.94E-02
ENSG0000189410	SH2D5	1	20719731	20732837	13106	protein coding	-1.13	8.86E-05	2.33E-03
ENSG0000239899	RNLSL74P	2	11584773	11585047	274	misc RNA	-1.13	1.08E-03	1.16E-02
ENSG0000214797	AP02358.1	11	59268876	59284033	15157	lncRNA	-1.13	3.49E-03	2.43E-02
ENSG0000109684	CLNK	4	10486395	10684768	198373	protein coding	-1.13	3.11E-04	5.26E-03
ENSG0000206172	HBA1	16	176680	177522	842	protein coding	-1.13	4.15E-03	2.72E-02
ENSG0000287425	AP03371.4	11	73983449	73985562	2113	lncRNA	-1.13	5.19E-03	3.12E-02
ENSG0000172987	HPSE2	10	98457077	99235862	778785	protein coding	-1.13	1.52E-03	1.42E-02
ENSG0000146477	SLC22A3	6	160348378	160452577	104199	protein coding	-1.14	8.18E-03	4.17E-02
ENSG0000144908	ALDH1L1	3	126103562	126197994	94432	protein coding	-1.14	5.65E-05	1.69E-03
ENSG0000229205	LINC00200	10	1159768	1289426	129658	lncRNA	-1.14	6.74E-04	8.64E-03
ENSG0000130561	SAG	2	233307816	233347055	39239	protein coding	-1.14	1.46E-04	3.21E-03
ENSG0000214946	TBC1D26	17	15732247	15749192	16945	protein coding	-1.14	1.03E-02	4.83E-02
ENSG0000188693	CYP51A1-AS1	7	92134604	92180725	46121	lncRNA-antisense	-1.14	5.28E-03	3.15E-02
ENSG0000036530	CYP46A1	14	99684298	99727301	43003	protein coding	-1.14	2.09E-05	8.61E-04
ENSG0000261730	AL034346.1	6	1383790	1385066	1276	lncRNA-antisense	-1.14	9.83E-03	4.69E-02
ENSG0000258754	LINC01579	15	93718542	94070898	352356	lncRNA	-1.14	1.31E-03	1.30E-02
ENSG0000239921	LINC01471	3	127480690	127537817	57127	lncRNA	-1.14	1.11E-03	1.17E-02
ENSG0000167011	NAT16	7	101170496	101180293	9797	protein coding	-1.14	8.37E-03	4.23E-02
ENSG0000206043	C18orf63	18	74315839	74359189	43350	protein coding	-1.14	1.04E-02	4.87E-02
ENSG0000253819	LINC01151	8	122485194	122733804	248610	lncRNA	-1.14	1.68E-04	3.51E-03
ENSG0000242950	ERVW-1	7	92468380	92477986	9606	protein coding	-1.14	5.05E-03	3.06E-02
ENSG0000132938	MUTUS2	13	28820348	29505947	685599	protein coding	-1.14	1.41E-04	3.14E-03
ENSG0000154914	UPF43	17	9644698	9729687	84989	protein coding	-1.14	4.70E-04	6.84E-03
ENSG0000230524	COL6A4P1	3	15151833	15205959	54126	transcribed unprocessed pseudogen	-1.14	1.06E-02	4.93E-02
ENSG0000287566	AL732437.3	10	5549637	5554329	4692	lncRNA	-1.14	8.93E-03	4.40E-02
ENSG0000235370	DNM1P51	15	84398316	84411701	13385	transcribed unprocessed pseudogen	-1.14	1.05E-02	4.89E-02
ENSG0000138759	FRAS1	4	78057323	78544269	486946	protein coding	-1.14	2.05E-04	3.97E-03
ENSG0000172296	SPTLC3	20	13008972	13169103	160131	protein coding	-1.14	7.78E-05	2.13E-03
ENSG0000134398	ERN2	16	23690310	23713226	22916	protein coding	-1.14	1.93E-03	1.67E-02
ENSG0000269113	TRABD2B	1	47760528	47997385	236857	protein coding	-1.14	1.32E-03	1.30E-02
ENSG0000227110	LINC01-AS1	3	7951263	8611924	680661	lncRNA-antisense	-1.14	2.69E-03	2.06E-02
ENSG0000260573	AC007493.1	16	50407184	50546347	139163	lncRNA	-1.14	2.07E-03	1.74E-02
ENSG0000182326	C1S	12	6988259	7071032	82773	protein coding	-1.14	1.98E-04	3.88E-03
ENSG0000119147	ECRG4	2	106063246	106078155	14909	protein coding	-1.14	1.93E-03	1.66E-02
ENSG0000168447	SCNN1B	16	23278231	23381294	103063	protein coding	-1.14	1.03E-02	4.85E-02
ENSG0000171246	NPTX1	17	80466834	80477843	11009	protein coding	-1.14	1.56E-04	3.35E-03
ENSG0000180113	TDRD6	6	46687875	46704319	16444	protein coding	-1.14	1.03E-03	1.12E-02
ENSG0000144810	COL8A1	3	99638475	99799226	160751	protein coding	-1.14	5.65E-03	3.28E-02
ENSG0000162669	HFM1	1	91260766	91404856	144090	protein coding	-1.14	5.03E-04	7.14E-03
ENSG0000121898	CPXM2	10	123706207	123940267	234060	protein coding	-1.14	1.23E-04	2.88E-03
ENSG0000254180	AC004083.1	8	90198389	90620077	421688	lncRNA	-1.14	1.58E-03	1.46E-02
ENSG0000253190	AC084082.1	8	66112667	66126632	13965	lncRNA	-1.14	8.77E-03	4.35E-02
ENSG0000286551	AL355836.2	14	101133730	101151988	18258	lncRNA	-1.14	6.56E-03	3.61E-02
ENSG0000248809	LINC01095	4	146077717	146121913	44196	lncRNA	-1.14	8.16E-03	4.16E-02
ENSG0000107018	RLN1	9	5334930	5339876	4946	protein coding	-1.14	6.70E-03	3.66E-02
ENSG0000123843	C4BPB	1	207088860	207099993	11133	protein coding	-1.14	8.30E-03	4.21E-02
ENSG0000183715	OPCML	11	132414977	133532519	1117542	protein coding	-1.14	1.60E-03	1.47E-02
ENSG0000139445	FOXN4	12	109277978	109309284	31306	protein coding	-1.14	5.80E-03	3.34E-02
ENSG0000174038	C9orf131	9	35041095	35045986	4891	protein coding	-1.14	8.59E-03	4.29E-02
ENSG0000285205	AL121612.2	14	94770271	94774858	4587	lncRNA-bidirectional promoter	-1.14	2.36E-03	1.89E-02
ENSG0000186326	RGS9BP	19	32675848	32678300	2452	protein coding	-1.14	9.69E-03	4.64E-02
ENSG0000133083	DCLK1	13	35768652	36131382	362730	protein coding	-1.15	8.31E-04	9.78E-03
ENSG0000158296	SLC13A3	20	46557823	46684467	126644	protein coding	-1.15	1.28E-04	2.94E-03
ENSG0000135063	FAM189A2	9	69324567	69392558	67991	protein coding	-1.15	1.20E-03	1.24E-02
ENSG0000177108	ZDHHC22	14	77131270	77142734	11464	protein coding	-1.15	7.69E-03	4.00E-02
ENSG0000003137	CYP26B1	2	72129238	72148038	18800	protein coding	-1.15	1.38E-03	1.35E-02
ENSG0000116147	TNR	1	175315194	175743616	428422	protein coding	-1.15	2.00E-05	8.44E-04
ENSG0000185267	CDNF	10	14819245	14838575	19330	protein coding	-1.15	1.75E-04	3.61E-03
ENSG0000163518	FCRL4	1	157573747	157598085	24338	protein coding	-1.15	4.83E-03	2.98E-02
ENSG0000062038	CDH3	16	68636189	68722616	86427	protein coding	-1.15	1.98E-03	1.69E-02
ENSG0000104237	RP1	8	54509422	54871720	362298	protein coding	-1.15	3.11E-04	5.25E-03
ENSG0000147488	ST18	8	52110839	52460959	350120	protein coding	-1.15	4.53E-05	1.46E-03
ENSG0000287809	AC005632.6	16	21511635	21515131	3496	lncRNA	-1.15	5.03E-03	3.05E-02
ENSG0000125319	HROB	17	44141906	44162476	20570	protein coding	-1.15	1.55E-03	1.44E-02
ENSG0000272636	DOC2B	7	142789	181650	38861	protein coding	-1.15	5.04E-04	7.14E-03
ENSG0000164089	ETNPPL	4	108742048	108763054	21006	protein coding	-1.15	7.83E-03	4.05E-02
ENSG0000108823	SGCA	17	50164214	50175928	11714	protein coding	-1.15	2.51E-04	4.55E-03

ENSG00000170412	GPRC5C	17	74424851	74451653	26802	protein coding	-1.15	1.90E-04	3.79E-03
ENSG00000249267	LINC00939	12	125958688	125983665	24977	lncRNA	-1.15	4.18E-03	2.73E-02
ENSG00000261873	SMIM36	17	55448433	55511444	63011	protein coding	-1.15	1.00E-02	4.74E-02
ENSG00000143195	ILDR2	1	166895711	166975540	79829	protein coding	-1.15	7.44E-07	7.93E-05
ENSG00000154493	C10orf190	10	126424997	126798708	373711	protein coding	-1.15	2.51E-03	1.96E-02
ENSG00000076344	RGS11	16	268301	275980	7679	protein coding	-1.15	2.23E-03	1.83E-02
ENSG00000286652	AL021918.5	6	27473194	27494436	21242	lncRNA	-1.15	8.49E-03	4.27E-02
ENSG00000279412	AC020763.3	16	70713987	70716890	2903	TEC	-1.15	4.34E-03	2.79E-02
ENSG00000236699	ARHGEF38	4	105552620	105708093	155473	protein coding	-1.15	1.14E-03	1.20E-02
ENSG00000080293	SCFR	2	119439843	119525301	85458	protein coding	-1.15	1.51E-03	1.42E-02
ENSG00000253230	MIR124-1HG	8	9899871	9906678	6807	lncRNA	-1.15	1.86E-03	1.63E-02
ENSG00000197446	CYP2F1	19	41114432	41128381	13949	protein coding	-1.15	9.95E-03	4.73E-02
ENSG00000268355	AC243960.3	19	41531206	41532174	968	lncRNA	-1.15	9.51E-03	4.59E-02
ENSG00000180287	PLD5	1	242082986	242524697	441711	protein coding	-1.15	2.07E-03	1.74E-02
ENSG00000183914	DNAH2	17	7717354	7833744	116390	protein coding	-1.15	5.43E-04	7.56E-03
ENSG00000206535	LNP1	3	100401532	100456319	54787	protein coding	-1.15	3.83E-03	2.58E-02
ENSG00000130234	ACE2	X	15494566	15607236	112670	protein coding	-1.15	3.37E-03	2.38E-02
ENSG00000256654	AC005906.2	12	4909867	5026012	116145	lncRNA	-1.15	2.03E-03	1.72E-02
ENSG00000182667	NTM	11	131370478	132336822	966344	protein coding	-1.15	6.64E-04	8.57E-03
ENSG00000235049	LINC00940	12	1929202	1936574	7372	lncRNA	-1.15	2.11E-03	1.76E-02
ENSG00000234156	AL359636.2	9	122403407	122639685	236278	lncRNA-antisense	-1.15	9.89E-04	1.09E-02
ENSG00000171533	MAP6	11	75586918	75669120	82202	protein coding	-1.15	4.42E-04	6.57E-03
ENSG00000227392	HPN-AS1	19	35042902	35106307	63405	lncRNA-antisense	-1.15	5.84E-03	3.36E-02
ENSG00000260372	AQP4-AS1	18	26655737	27190698	534961	lncRNA-antisense	-1.15	7.15E-04	8.91E-03
ENSG00000129744	ART1	11	3645128	3664416	19288	protein coding	-1.15	6.27E-03	3.51E-02
ENSG00000205592	MUC19	12	40393395	40570832	177437	protein coding	-1.15	4.19E-05	1.37E-03
ENSG00000271911	AL357054.3	6	761675	780648	18973	lncRNA	-1.15	6.40E-03	3.56E-02
ENSG00000111262	KCNA1	12	4909905	4918256	8351	protein coding	-1.15	1.75E-03	1.66E-02
ENSG00000244405	ETV5	3	186046314	186110318	64004	protein coding	-1.15	1.50E-04	3.27E-03
ENSG00000145949	MYLK4	6	2663629	2750922	87293	protein coding	-1.15	8.67E-07	8.76E-05
ENSG00000188501	LCTL	15	66547179	66565979	18800	protein coding	-1.15	1.26E-03	1.27E-02
ENSG00000178928	TPRX1	19	47801243	47819051	17808	protein coding	-1.15	1.09E-02	4.99E-02
ENSG00000132932	ATP8A2	13	25371974	26025851	653877	protein coding	-1.16	1.32E-06	1.19E-04
ENSG00000285564	AL031121.2	6	163338363	163346744	8381	lncRNA	-1.16	2.35E-03	1.88E-02
ENSG00000242715	CCDC169	13	36222008	36297840	75832	protein coding	-1.16	8.88E-03	4.39E-02
ENSG00000218336	TENM3	4	182143987	182803024	659037	protein coding	-1.16	4.71E-05	1.50E-03
ENSG00000168959	GRM5	11	88504576	89065945	561369	protein coding	-1.16	8.45E-03	4.26E-02
ENSG00000187905	LRRC74B	22	21045960	21064168	18208	protein coding	-1.16	6.32E-04	8.32E-03
ENSG00000163395	IGFN1	1	201190824	201228952	38128	protein coding	-1.16	2.76E-04	4.86E-03
ENSG00000009765	IYD	6	150368892	150405969	30777	protein coding	-1.16	9.85E-04	1.09E-02
ENSG00000257307	AL162311.2	14	35881001	35881709	708	processed pseudogene	-1.16	4.80E-04	6.93E-03
ENSG00000146147	MLIP	6	53929982	54266280	336298	protein coding	-1.16	5.23E-03	3.13E-02
ENSG00000261670	AC012213.2	8	103464389	103468985	4596	lncRNA	-1.16	8.94E-03	4.41E-02
ENSG00000169933	FRMPD4	X	11822423	12724523	902100	protein coding	-1.16	2.41E-03	1.91E-02
ENSG00000103832	GOLGA8UP	15	30791573	30801859	10286	unprocessed pseudogene	-1.16	5.86E-03	3.37E-02
ENSG00000288107	AL731789.2	10	133565797	133629507	63710	lncRNA	-1.16	7.74E-04	9.40E-03
ENSG00000108602	ALDH3A1	17	19737984	19748943	10959	protein coding	-1.16	8.53E-04	9.93E-03
ENSG00000261126	RFBADN	18	80046900	80095482	48582	lncRNA	-1.16	2.12E-03	1.77E-02
ENSG00000237807	AC022034.1	8	53493523	53524336	30813	lncRNA	-1.16	5.05E-03	3.06E-02
ENSG00000268686	AC010643.1	19	49368558	49388091	19533	lncRNA-antisense	-1.16	8.66E-03	4.32E-02
ENSG00000253406	AC012613.2	5	149216523	149276805	60282	lncRNA-antisense	-1.16	9.58E-03	4.61E-02
ENSG00000123243	ITIH5	10	7559270	7666998	107728	protein coding	-1.16	3.83E-03	2.59E-02
ENSG00000084628	NKAIN1	1	31179745	31239887	60142	protein coding	-1.16	5.60E-03	3.26E-02
ENSG00000148123	PLPPR1	9	101028727	101325135	296408	protein coding	-1.16	8.69E-03	4.33E-02
ENSG00000080166	DCT	13	94436811	94479682	42871	protein coding	-1.16	2.16E-03	1.79E-02
ENSG00000116285	ERRF1	1	8004404	8026309	21905	protein coding	-1.16	1.74E-05	7.67E-04
ENSG00000251372	LINC00499	4	138309613	138663403	353790	lncRNA	-1.16	2.01E-03	1.71E-02
ENSG00000251365	LINC02236	5	6765891	6833120	67229	lncRNA	-1.16	3.94E-03	2.64E-02
ENSG00000262786	AC005224.1	17	14295512	14297600	2088	lncRNA	-1.16	1.06E-02	4.93E-02
ENSG00000163909	HEYL	1	39623435	39639643	16208	protein coding	-1.16	3.76E-03	2.56E-02
ENSG00000142149	HUNK	21	31873020	32044633	171613	protein coding	-1.16	1.77E-03	1.57E-02
ENSG00000223756	TSSC2	11	3380961	3408978	28017	transcribed unprocessed pseudogene	-1.16	2.74E-03	2.09E-02
ENSG00000168049	PASD1	X	151563675	151676739	113064	protein coding	-1.16	9.99E-03	4.74E-02
ENSG00000148734	NPFFR1	10	70247329	70284004	36675	protein coding	-1.16	6.30E-04	8.31E-03
ENSG00000130711	PRDM12	9	130664594	130682986	18392	protein coding	-1.16	7.61E-03	3.98E-02
ENSG00000233896	PDYN-AS1	20	1947246	2030028	82782	lncRNA-antisense	-1.16	7.52E-03	3.95E-02
ENSG00000144045	DOX1	2	74518131	74526281	8150	protein coding	-1.16	6.56E-03	3.61E-02
ENSG00000271086	NAMA	9	99355337	99377240	21903	lncRNA	-1.16	2.10E-03	1.76E-02
ENSG00000056487	PHF21B	22	44881162	45010005	128843	protein coding	-1.16	1.86E-04	3.74E-03
ENSG00000164318	EGFLAM	5	38258409	38465480	207071	protein coding	-1.16	1.86E-03	1.62E-02
ENSG00000168243	GNG4	1	235547685	235650754	103069	protein coding	-1.16	5.74E-04	7.81E-03
ENSG00000106038	EVX1	7	27242700	27250493	7793	protein coding	-1.16	3.44E-03	2.41E-02
ENSG00000147689	FAM83A	8	123178960	123210079	31119	protein coding	-1.16	4.12E-06	2.68E-04
ENSG00000285517	AC010198.2	12	30795458	30879268	83810	lncRNA	-1.16	9.43E-05	2.43E-03
ENSG00000248587	GDNF-AS1	5	37811589	37953827	142238	lncRNA-antisense	-1.16	6.76E-04	8.66E-03
ENSG00000256263	DDX11L8	12	12310	13501	1191	unprocessed pseudogene	-1.16	1.46E-03	1.39E-02
ENSG00000166153	DEPDC4	12	100203669	100267079	63410	protein coding	-1.16	9.53E-03	4.54E-02
ENSG00000092345	DAZL	3	16586792	16670306	83514	protein coding	-1.16	4.63E-03	2.91E-02
ENSG00000144285	SCN1A	2	165984641	166149214	164573	protein coding	-1.16	1.62E-03	1.49E-02
ENSG00000064787	BCAS1	20	53936777	54070594	133817	protein coding	-1.16	3.32E-05	1.18E-03
ENSG00000263400	TMEM220-AS1	17	10729777	10815164	85387	lncRNA-antisense	-1.16	7.99E-05	2.18E-03
ENSG00000166073	GPR176	15	39799008	39920266	121258	protein coding	-1.16	4.33E-03	2.79E-02
ENSG00000215529	EFCAB8	20	32858923	32961609	102686	protein coding	-1.16	1.30E-08	3.06E-06
ENSG00000267136	AP005131.1	18	13514520	13522888	8368	lncRNA-antisense	-1.16	4.96E-03	3.03E-02
ENSG00000136895	GARNL3	9	127224265	127393660	169395	protein coding	-1.16	2.35E-08	5.05E-06
ENSG00000163354	DCST2	1	155018520	155033781	15261	protein coding	-1.16	2.90E-04	5.01E-03
ENSG00000131941	RHPN2	19	32978592	33064888	86296	protein coding	-1.16	2.68E-04	4.77E-03
ENSG00000258168	AC025569.1	12	70468080	70543040	74960	lncRNA-antisense	-1.16	9.55E-04	1.07E-02
ENSG00000155886	SLC24A2	9	19507452	19786928	279476	protein coding	-1.16	1.45E-03	1.39E-02
ENSG00000139971	ARMH4	14	57999735	58298139	298404	protein coding	-1.16	5.47E-03	3.21E-02

ENSG0000050555	LAMC3	9	131009174	131094473	85299	protein coding	-1.16	8.68E-05	2.31E-03
ENSG00000172000	ZNF556	19	2867335	2883445	16110	protein coding	-1.16	2.09E-03	1.75E-02
ENSG00000111218	PRMT8	12	3381349	3593973	212624	protein coding	-1.17	4.29E-04	6.46E-03
ENSG00000075673	ATP12A	13	24680408	24712472	32064	protein coding	-1.17	3.21E-03	2.30E-02
ENSG00000230246	SPATA31C1	9	87914493	87923505	9012	transcribed unprocessed pseudogene	-1.17	7.08E-03	3.79E-02
ENSG00000103852	TTC23	15	99136323	99251223	114900	protein coding	-1.17	5.39E-05	1.64E-03
ENSG00000273674	AC021752.1	15	50839875	50908603	68728	lncRNA	-1.17	7.57E-04	9.26E-03
ENSG00000226987	AL157938.1	9	131240687	131241724	1037	processed pseudogene	-1.17	6.40E-03	3.56E-02
ENSG00000175426	PCSK1	5	96390333	96434143	43810	protein coding	-1.17	9.46E-03	4.57E-02
ENSG00000184949	FAM227A	22	38578120	38656629	78509	protein coding	-1.17	1.89E-03	1.64E-02
ENSG00000123201	GUCY1B2	13	50994511	51080862	86351	transcribed unitary pseudogene	-1.17	1.59E-03	1.47E-02
ENSG00000261003	AL008628.1	6	170441139	170419325	5186	lncRNA-sense overlapping	-1.17	2.00E-04	3.91E-03
ENSG00000179603	GRM8	7	126438598	127253093	814495	protein coding	-1.17	8.96E-03	4.41E-02
ENSG00000178568	ERBB4	2	211375717	212538841	1163124	protein coding	-1.17	1.46E-03	1.39E-02
ENSG00000136160	EDNRB	13	77895481	77975529	80048	protein coding	-1.17	4.92E-03	3.01E-02
ENSG00000154065	ANKRD29	18	23598926	23662911	63985	protein coding	-1.17	1.34E-03	1.32E-02
ENSG00000180422	LINC00304	16	89159146	89164245	5099	lncRNA	-1.17	1.33E-03	1.31E-02
ENSG00000232716	AC018831.3	7	130840204	130843725	3521	processed pseudogene	-1.17	4.30E-03	2.78E-02
ENSG00000155052	CNTNAP5	2	124025287	124915287	890000	protein coding	-1.17	5.99E-03	3.41E-02
ENSG00000281880	PAUPAR	11	31812307	32002405	190098	lncRNA	-1.17	2.19E-03	1.81E-02
ENSG00000278771	RN7SL3	14	49853616	49853914	298	misc RNA	-1.17	1.18E-04	2.79E-03
ENSG00000267719	LINC02078	17	79707266	79712317	5051	lncRNA	-1.17	6.26E-03	3.51E-02
ENSG00000184828	ZBTB7C	18	48026672	48410752	384080	protein coding	-1.17	5.50E-05	1.66E-03
ENSG00000250742	LINC02381	12	54126082	54147485	21403	lncRNA	-1.17	8.09E-04	9.63E-03
ENSG00000205622	AP001042.1	21	38812878	38956467	143589	lncRNA	-1.17	6.46E-04	8.43E-03
ENSG00000281692	PACRG-AS1	6	163306907	163324530	17623	lncRNA-antisense	-1.17	3.03E-03	2.22E-02
ENSG00000166104	AC126323.1	15	62227896	62253235	25339	transcribed unprocessed pseudogene	-1.17	9.20E-04	1.04E-02
ENSG00000163827	LRRC2	3	46515385	46580099	64714	protein coding	-1.17	3.58E-04	5.78E-03
ENSG00000256612	CYP2B7P	19	40924219	40950660	26441	transcribed unprocessed pseudogene	-1.17	2.68E-03	2.05E-02
ENSG00000171303	CKNKC3	2	26692690	26733420	40730	protein coding	-1.17	1.59E-03	1.47E-02
ENSG00000154864	PIEZO2	18	10666483	11149569	483086	protein coding	-1.17	6.89E-05	1.95E-03
ENSG00000261812	TUBB8P7	16	90093154	90096354	3200	transcribed unprocessed pseudogene	-1.17	6.99E-03	3.77E-02
ENSG00000164287	CDC20B	5	55112971	55173177	60206	protein coding	-1.17	4.83E-03	2.98E-02
ENSG00000196758	AC079612.1	2	239578301	239586094	7793	lncRNA	-1.17	1.05E-02	4.89E-02
ENSG00000232520	GCSIR	2	230886474	230904693	18219	lncRNA-antisense	-1.17	4.97E-03	3.03E-02
ENSG00000197594	ENPP1	6	131808016	131895155	87139	protein coding	-1.17	4.92E-04	7.04E-03
ENSG00000234177	LINC01114	2	104746638	104757719	11081	lncRNA	-1.17	1.08E-02	4.98E-02
ENSG00000261404	AC138627.1	16	73943078	74296762	353684	lncRNA	-1.17	1.48E-04	3.23E-03
ENSG00000213087	AL356535.1	6	151225550	151225947	397	processed pseudogene	-1.17	5.22E-03	3.13E-02
ENSG00000117971	CHRNA8	15	78624111	78727754	103643	protein coding	-1.17	4.35E-04	6.51E-03
ENSG00000214353	VAC14-AS1	16	70755035	70773251	18216	lncRNA-antisense	-1.17	2.90E-05	1.07E-03
ENSG00000130635	COL5A1	9	134641803	134844843	203040	protein coding	-1.17	1.07E-04	2.64E-03
ENSG00000106852	LHX6	9	122202577	122229626	27049	protein coding	-1.18	1.95E-03	1.68E-02
ENSG00000186115	CYP4F2	19	15878023	15898077	20054	protein coding	-1.18	1.03E-03	1.12E-02
ENSG00000127530	OR7C1	19	14789260	14835376	46116	protein coding	-1.18	8.53E-04	9.93E-03
ENSG00000129988	LBP	20	38346482	38377013	30531	protein coding	-1.18	8.92E-04	1.02E-02
ENSG00000261043	AC019294.3	15	75759501	75762405	2904	lncRNA	-1.18	9.88E-04	1.09E-02
ENSG00000267549	AC006116.7	19	56314703	56365316	50613	lncRNA-antisense	-1.18	6.88E-04	8.75E-03
ENSG00000185652	NTF3	12	5432108	5521536	89428	protein coding	-1.18	6.79E-03	3.70E-02
ENSG00000120332	TNN1	1	175067833	175148075	80242	protein coding	-1.18	4.32E-03	2.78E-02
ENSG00000087250	MT3	16	56589074	56591088	2014	protein coding	-1.18	1.65E-03	1.50E-02
ENSG00000128573	FOXP2	7	114086327	114693772	607445	protein coding	-1.18	1.78E-04	3.65E-03
ENSG00000233296	TMEM18-DT	2	677186	697382	20196	lncRNA-antisense	-1.18	1.13E-03	1.19E-02
ENSG00000133519	ZDHHC8P1	22	23390606	23402726	12120	transcribed unprocessed pseudogene	-1.18	2.24E-03	1.83E-02
ENSG00000157214	STAP2	7	90167590	90238137	70547	protein coding	-1.18	4.69E-03	2.93E-02
ENSG00000197702	PARVA	11	12377563	12533356	157793	protein coding	-1.18	5.05E-05	1.57E-03
ENSG00000198570	R3D3	1	211476522	211492162	15640	protein coding	-1.18	4.79E-03	2.97E-02
ENSG00000130943	PKDREJ	22	46255663	46263343	7680	protein coding	-1.18	4.44E-03	2.83E-02
ENSG00000230623	AC104461.1	1	200333193	200478669	145476	lncRNA	-1.18	5.12E-03	3.09E-02
ENSG00000232633	AC079465.1	5	113323028	113437174	114146	lncRNA-antisense	-1.18	8.59E-03	4.30E-02
ENSG00000196090	PTPRP	20	42072752	43189970	1117218	protein coding	-1.18	1.01E-03	1.11E-02
ENSG00000229536	LINC02572	2	129825126	129877664	52538	lncRNA	-1.18	4.32E-03	2.78E-02
ENSG00000276067	SLC23A4P	7	135246113	135317752	71639	transcribed unprocessed pseudogene	-1.18	1.52E-03	1.42E-02
ENSG00000072315	TRPC5	X	111774315	112082776	308461	protein coding	-1.18	6.44E-03	3.57E-02
ENSG00000197099	AC068631.1	3	186579476	186772986	193510	lncRNA-antisense	-1.18	2.56E-06	1.92E-04
ENSG00000166444	DENND2B	11	8693351	8910951	217600	protein coding	-1.18	5.15E-06	3.18E-04
ENSG00000214128	TMEM213	7	138797952	138838101	40149	protein coding	-1.18	4.82E-03	2.98E-02
ENSG00000138152	BTBD16	10	122271296	122338159	66863	protein coding	-1.18	9.80E-04	1.09E-02
ENSG00000140623	SEPTIN12	16	4777606	4788398	10792	protein coding	-1.18	8.61E-03	4.30E-02
ENSG00000143341	HMCN1	1	185734391	186190949	456558	protein coding	-1.18	7.92E-05	2.16E-03
ENSG00000204248	COL11A2	6	33162681	33192499	29818	protein coding	-1.18	7.43E-06	4.17E-04
ENSG00000158955	WNT9B	17	46833201	46886730	53529	protein coding	-1.18	1.70E-03	1.53E-02
ENSG00000106128	GHRHR	7	30938669	30993254	54585	protein coding	-1.18	2.03E-03	2.03E-02
ENSG00000221947	XKR9	8	70669339	70790371	121032	protein coding	-1.18	1.00E-02	4.75E-02
ENSG00000130176	CNN1	19	11538767	11550323	11556	protein coding	-1.18	2.44E-04	4.46E-03
ENSG00000285486	AC003043.2	17	44276368	44281182	4814	lncRNA	-1.18	3.30E-03	2.35E-02
ENSG00000246851	AL157938.3	9	131189910	131194205	4295	lncRNA-antisense	-1.18	2.86E-04	4.96E-03
ENSG00000084636	COL16A1	1	31652263	31704319	52056	protein coding	-1.18	1.71E-03	1.54E-02
ENSG00000099954	CECR2	22	17359949	17558149	198200	protein coding	-1.18	4.25E-08	8.13E-06
ENSG00000072133	RPS6K6	X	84058346	84188199	129853	protein coding	-1.18	2.15E-03	1.79E-02
ENSG00000177133	PRDM16-DT	1	3059615	3068437	8822	lncRNA-antisense	-1.18	5.50E-03	3.22E-02
ENSG00000264057	AC103810.1	17	64927634	64934203	6569	transcribed unprocessed pseudogene	-1.18	3.35E-03	2.37E-02
ENSG00000235438	ESRRAP2	13	21260015	21295003	34988	transcribed processed pseudogene	-1.18	8.36E-03	4.23E-02
ENSG00000132972	RNF17	13	24764169	24879921	115752	protein coding	-1.18	9.12E-03	4.46E-02
ENSG00000162728	KCNJ9	1	160081538	160090563	9025	protein coding	-1.18	1.07E-02	4.95E-02
ENSG00000140600	SH3GL3	15	83447228	83618743	171515	protein coding	-1.19	7.77E-03	4.03E-02
ENSG00000230561	CCDC192	5	127703389	127941634	238245	protein coding	-1.19	9.53E-03	4.59E-02
ENSG00000242017	ALG1L15P	3	156044155	156044948	793	processed pseudogene	-1.19	6.79E-03	3.70E-02
ENSG00000246465	AC138904.1	16	28284885	28292064	7179	lncRNA	-1.19	7.20E-03	3.84E-02
ENSG00000204529	GUCY2EP	11	76694041	76719801	25760	transcribed unprocessed pseudogene	-1.19	1.70E-03	1.53E-02

ENSG0000006047	YBX2	17	7288263	7294639	6376	protein coding	-1.19	6.37E-03	3.55E-02
ENSG00000231128	AL137856.1	1	113812379	113870159	57780	lncRNA-antisense	-1.19	7.62E-03	3.98E-02
ENSG0000188803	SHISA6	17	11241213	11564063	322850	protein coding	-1.19	7.29E-04	9.04E-03
ENSG00000225937	PCA3	9	76691980	76863307	171327	lncRNA-antisense	-1.19	4.32E-04	6.48E-03
ENSG0000123572	NRK	X	105822539	105958610	136071	protein coding	-1.19	6.58E-03	3.62E-02
ENSG0000180934	OR56A1	11	6019336	6034338	15002	protein coding	-1.19	4.47E-03	2.85E-02
ENSG00000254254	AC012349.1	8	56445807	56556513	110706	lncRNA-antisense	-1.19	1.06E-03	1.15E-02
ENSG0000154316	TDH	8	11339637	11368452	28815	transcribed unitary pseudogene	-1.19	2.95E-03	2.18E-02
ENSG0000184144	CNTN2	1	205042937	205078289	35352	protein coding	-1.19	1.37E-03	1.34E-02
ENSG00000228061	AC131571.1	11	31618124	31767953	149829	lncRNA-antisense	-1.19	2.04E-03	1.73E-02
ENSG0000149380	P4HA3	11	74235801	74311640	75839	protein coding	-1.19	1.84E-03	1.61E-02
ENSG0000151917	BEND6	6	56955107	57027346	72239	protein coding	-1.19	4.88E-03	3.00E-02
ENSG00000263331	AC008551.1	16	21120758	21130108	9350	lncRNA-antisense	-1.19	8.39E-03	4.24E-02
ENSG0000104722	NEFM	8	24913758	24919098	5340	protein coding	-1.19	3.54E-04	5.73E-03
ENSG0000143473	KCNH1	1	210676823	211134165	457342	protein coding	-1.19	1.34E-03	1.32E-02
ENSG00000205795	CYS1	2	10056780	10080944	24164	protein coding	-1.19	6.57E-03	3.61E-02
ENSG0000115648	MLPH	2	237485428	237555322	69894	protein coding	-1.19	2.14E-05	8.77E-04
ENSG00000205488	CALML3-AS1	10	5510036	5526246	16210	lncRNA-antisense	-1.19	7.76E-04	9.41E-03
ENSG0000141738	GRB7	17	39737927	39747291	9364	protein coding	-1.19	3.64E-03	2.50E-02
ENSG0000184486	POU3F2	6	98834574	98839458	4884	protein coding	-1.19	8.00E-03	4.11E-02
ENSG00000272510	AL121992.3	1	15565611	15565956	345	lncRNA-antisense	-1.19	8.48E-03	4.27E-02
ENSG00000258429	PDF	16	69326913	69330588	3675	protein coding	-1.19	8.75E-03	4.35E-02
ENSG00000271978	AL359643.2	6	5031756	5054423	22667	lncRNA	-1.19	1.03E-02	4.82E-02
ENSG00000265933	LINC00868	18	6919496	6929966	10470	lncRNA	-1.19	1.67E-03	1.51E-02
ENSG0000185666	SYN3	22	32507820	33058381	550561	protein coding	-1.19	1.16E-05	5.78E-04
ENSG00000264968	AC090844.2	17	39927742	39939601	11859	lncRNA	-1.19	6.73E-03	3.67E-02
ENSG0000122863	CHST3	10	71964395	72013558	49163	protein coding	-1.19	9.05E-04	1.03E-02
ENSG0000092607	TBX15	1	118883046	118989556	106510	protein coding	-1.19	3.56E-03	2.47E-02
ENSG0000168334	XIRP1	3	39183210	39192596	9386	protein coding	-1.19	3.33E-03	2.36E-02
ENSG0000100302	RASD2	22	35540831	35553999	13168	protein coding	-1.19	6.56E-03	3.61E-02
ENSG0000181264	TLCD5	11	120325296	120333686	8390	protein coding	-1.19	9.96E-03	4.73E-02
ENSG0000046604	DSG2	18	31498177	31549008	50831	protein coding	-1.19	2.46E-03	1.93E-02
ENSG00000232139	LINC00867	10	118341437	118398468	57031	lncRNA	-1.19	1.07E-02	4.95E-02
ENSG00000259275	AC087477.2	15	96354237	96405235	50998	lncRNA	-1.19	4.66E-03	2.92E-02
ENSG0000153789	CIBAR2	16	85098358	85112472	14114	protein coding	-1.19	8.92E-03	4.40E-02
ENSG0000173698	ADGRG2	X	18989307	19122637	133330	protein coding	-1.19	3.85E-07	4.65E-05
ENSG00000272631	AC067750.1	10	86749754	86756298	6544	lncRNA-antisense	-1.19	3.42E-04	5.61E-03
ENSG0000181995	LINC00301	11	60615729	60687267	71538	transcribed unitary pseudogene	-1.19	1.00E-02	4.74E-02
ENSG00000231119	AL031666.1	20	47352561	47354633	2072	lncRNA-antisense	-1.19	9.04E-03	4.44E-02
ENSG0000152208	GRID2	4	92303966	93810157	1506191	protein coding	-1.19	4.04E-03	2.68E-02
ENSG00000259203	AC018044.1	15	52800168	52805972	5804	lncRNA	-1.19	8.95E-03	4.41E-02
ENSG0000162456	KNCN	1	46545641	46551647	6006	protein coding	-1.19	9.03E-03	4.43E-02
ENSG0000157510	AFAP1L1	5	149271859	149343637	71778	protein coding	-1.19	6.25E-05	1.80E-03
ENSG0000126231	PROZ	13	113158648	113172386	13738	protein coding	-1.20	1.76E-03	1.56E-02
ENSG0000198963	RORB	9	74497335	74693177	195842	protein coding	-1.20	8.13E-04	9.66E-03
ENSG0000159337	PLA2G4D	15	42067009	42094562	27553	protein coding	-1.20	8.44E-04	9.88E-03
ENSG0000174482	LINGO2	9	27948078	28670286	722208	protein coding	-1.20	1.29E-03	1.29E-02
ENSG0000173227	SYT12	11	67006778	67050883	44085	protein coding	-1.20	2.41E-03	1.91E-02
ENSG00000261420	AL022069.1	6	166383189	166384824	1635	lncRNA-antisense	-1.20	3.33E-03	2.36E-02
ENSG00000279993	AC078925.3	12	131025561	131028060	2499	TEC	-1.20	8.82E-03	4.37E-02
ENSG0000158786	PLA2G2F	1	20139323	20150381	11058	protein coding	-1.20	5.14E-04	7.23E-03
ENSG00000267452	LINC02073	17	51336646	51521401	184755	lncRNA	-1.20	1.85E-04	3.73E-03
ENSG0000189275	LINC01164	10	131772398	131790199	17801	lncRNA	-1.20	4.97E-03	3.03E-02
ENSG00000287119	AC092580.4	2	7671330	7675736	4406	lncRNA	-1.20	8.36E-03	4.23E-02
ENSG00000237975	FLG-AS1	1	152168125	152445456	277331	lncRNA-antisense	-1.20	3.55E-04	5.74E-03
ENSG00000205426	KRT81	12	52285913	52291534	5621	protein coding	-1.20	1.28E-03	1.28E-02
ENSG00000278685	IQCA1L	7	151190873	151205496	14623	protein coding	-1.20	2.38E-04	4.39E-03
ENSG00000262966	AC005695.1	17	9171068	9179118	8050	lncRNA-antisense	-1.20	1.00E-03	1.10E-02
ENSG0000070778	PTPN21	14	88465778	88555007	89229	protein coding	-1.20	1.78E-04	3.65E-03
ENSG0000164591	MYOZ3	5	150660882	150679368	18486	protein coding	-1.20	3.05E-03	2.23E-02
ENSG0000172061	LRRC15	3	194355249	194369743	14494	protein coding	-1.20	6.83E-04	8.71E-03
ENSG00000233221	AC133785.1	2	130830978	130836994	6016	lncRNA-antisense	-1.20	5.43E-03	3.20E-02
ENSG0000170858	LILRP2	19	54707916	54713453	5537	transcribed processed pseudogene	-1.20	9.93E-03	4.72E-02
ENSG0000169894	MUC3A	7	100949534	100968347	18813	protein coding	-1.20	3.32E-04	5.52E-03
ENSG00000280560	LINC01374	10	89853595	90225443	371848	lncRNA	-1.20	2.90E-03	2.16E-02
ENSG00000244968	LIFR-AS1	5	38556765	38671216	114451	lncRNA-antisense	-1.20	1.02E-03	1.12E-02
ENSG0000124440	HIF3A	19	46297042	46343433	46391	protein coding	-1.20	4.63E-04	6.78E-03
ENSG0000149596	JPH2	20	44106590	44187188	80598	protein coding	-1.20	7.37E-04	9.10E-03
ENSG00000275734	AC010538.1	16	89671568	89685304	13736	lncRNA-sense overlapping	-1.20	1.41E-03	1.36E-02
ENSG0000137204	SLC22A7	6	43295694	43305538	9844	protein coding	-1.20	1.64E-03	1.50E-02
ENSG00000002079	MYH16	7	99238829	99311130	72301	transcribed unitary pseudogene	-1.20	7.27E-04	9.02E-03
ENSG00000234537	AL354751.1	9	92132398	92138629	6231	unprocessed pseudogene	-1.20	7.31E-03	3.88E-02
ENSG00000232732	AC097717.1	2	199867396	199911159	43763	lncRNA	-1.20	1.25E-03	1.25E-02
ENSG00000243910	TUBA4B	2	219253243	219272197	18954	protein coding	-1.20	6.48E-03	3.58E-02
ENSG00000086205	FOLH1	11	49145092	49208638	63546	protein coding	-1.20	6.28E-03	3.51E-02
ENSG0000124140	SLC12A5	20	46021690	46060150	38460	protein coding	-1.20	1.08E-04	2.65E-03
ENSG0000162692	VCAM1	1	100719742	100739045	19303	protein coding	-1.20	5.94E-03	3.39E-02
ENSG00000234457	AC008960.1	7	36305631	36305904	273	processed pseudogene	-1.20	6.06E-03	3.44E-02
ENSG00000227888	FAM66A	8	12362019	12388296	26277	lncRNA	-1.20	1.07E-02	4.94E-02
ENSG00000223553	SMPD4P1	22	20602595	20656914	54319	transcribed unprocessed pseudogene	-1.20	3.25E-04	5.43E-03
ENSG0000173947	PIFO	1	111346600	111353013	6413	protein coding	-1.20	2.95E-03	2.18E-02
ENSG00000069535	MAOB	X	43766610	43882450	115840	protein coding	-1.20	5.27E-03	3.14E-02
ENSG0000167080	B4GALNT2	17	49132460	49176840	44380	protein coding	-1.20	1.63E-03	1.49E-02
ENSG0000102313	ITIH6	X	54748918	54798255	49337	protein coding	-1.20	6.20E-03	3.52E-02
ENSG00000285781	AL117340.1	10	31362799	31364049	1250	unprocessed pseudogene	-1.20	8.81E-03	4.37E-02
ENSG00000260470	AC023794.5	12	54145069	54147225	2156	lncRNA	-1.20	4.63E-03	2.91E-02
ENSG0000036828	CASR	3	122183668	122291629	107961	protein coding	-1.20	1.04E-04	2.59E-03
ENSG0000169181	GSG1L	16	27787528	28063714	276186	protein coding	-1.20	6.19E-04	8.21E-03
ENSG0000165061	ZMAT4	8	40530590	40897833	367243	protein coding	-1.20	1.26E-03	1.27E-02
ENSG00000287918	AF274853.1	X	151303384	151397142	93758	lncRNA	-1.20	2.15E-03	1.79E-02

ENSG0000164972	C9orf24	9	34379019	34397810	18791	protein coding	-1.20	2.60E-03	2.02E-02
ENSG00000226686	LINC015535	19	37251885	37265535	13650	lncRNA	-1.20	1.79E-04	3.65E-03
ENSG00000137868	STRAB6	15	74179466	74212267	32801	protein coding	-1.20	3.65E-03	2.50E-02
ENSG00000270112	AC090241.2	18	46756487	46802449	45962	lncRNA	-1.20	3.58E-04	5.77E-03
ENSG00000285108	AC103718.1	8	129685401	129723023	37622	lncRNA	-1.20	2.37E-03	1.89E-02
ENSG00000203808	BVES-AS1	6	105136308	105169952	33644	lncRNA-antisense	-1.20	2.17E-03	1.80E-02
ENSG00000272168	CASC15	6	21664185	22654455	990270	lncRNA	-1.20	1.50E-06	1.32E-04
ENSG00000133105	RXFP2	13	31739526	31803389	63863	protein coding	-1.20	5.12E-03	3.09E-02
ENSG00000254211	LINC01485	5	173778527	173809039	30512	lncRNA	-1.20	1.72E-03	1.54E-02
ENSG00000227733	AC239809.3	1	148159213	148255012	95799	lncRNA	-1.20	1.01E-04	2.54E-03
ENSG00000137699	TRIM29	11	120111286	120185529	74243	protein coding	-1.20	9.81E-04	1.09E-02
ENSG00000120549	KIAA1217	10	23694746	24547848	853102	protein coding	-1.20	1.41E-04	3.13E-03
ENSG00000284668	LINC02780	1	3976133	4012704	36571	lncRNA	-1.21	7.41E-03	3.91E-02
ENSG00000263574	AC125421.1	17	73737854	73756932	19078	lncRNA	-1.21	6.64E-03	3.64E-02
ENSG00000027644	INSRR	1	156840063	156859117	19054	protein coding	-1.21	7.59E-03	3.97E-02
ENSG00000168676	KCTD19	16	67289428	67326760	37332	protein coding	-1.21	6.71E-04	8.63E-03
ENSG00000173077	DELEC1	9	114850968	115402644	551676	lncRNA	-1.21	2.57E-04	4.63E-03
ENSG00000102678	FGF9	13	21671073	21704498	33425	protein coding	-1.21	2.43E-04	4.46E-03
ENSG00000236172	MIR7515HG	2	6615389	6651104	35715	lncRNA	-1.21	3.95E-03	2.64E-02
ENSG00000186190	BPIFB3	20	33055424	33073628	18204	protein coding	-1.21	2.13E-03	1.77E-02
ENSG00000094755	GABRP	5	170763350	170814047	50697	protein coding	-1.21	1.76E-03	1.56E-02
ENSG00000184058	TBX1	22	19756703	19783593	26890	protein coding	-1.21	2.26E-04	4.24E-03
ENSG00000275340	FGD5P1	3	13933056	13937477	4421	transcribed unprocessed pseudogene	-1.21	2.65E-03	2.04E-02
ENSG00000124493	GRM4	6	34018643	34155622	136979	protein coding	-1.21	1.66E-04	3.48E-03
ENSG00000161609	KASH5	19	49388219	49417990	29771	protein coding	-1.21	1.46E-03	1.39E-02
ENSG00000101049	SGK2	20	43558968	43588237	29269	protein coding	-1.21	2.50E-05	9.74E-04
ENSG00000286502	AL645768.1	9	134770651	134775671	5020	lncRNA	-1.21	6.43E-03	3.57E-02
ENSG00000248994	AC124852.1	5	1931064	2119926	188862	lncRNA	-1.21	1.19E-03	1.23E-02
ENSG00000115461	IGFBP5	2	216672105	216695549	23444	protein coding	-1.21	4.35E-04	6.51E-03
ENSG00000259347	AC087482.1	15	66984103	67065268	81165	lncRNA-antisense	-1.21	4.06E-03	2.69E-02
ENSG00000273111	LYPD4	19	41837074	41844697	7623	protein coding	-1.21	3.40E-03	2.40E-02
ENSG00000236991	EDRF1-AS1	10	125725634	125752110	26476	lncRNA-antisense	-1.21	2.09E-03	1.76E-02
ENSG00000278916	CEP83-DT	12	94460003	94462484	2481	lncRNA	-1.21	5.61E-03	3.26E-02
ENSG00000287454	AC008149.2	12	96229563	96235650	6087	lncRNA	-1.21	6.68E-06	3.89E-04
ENSG00000187908	DMBT1	10	122560665	122643736	83071	protein coding	-1.21	1.97E-04	3.88E-03
ENSG00000231290	APCDD1L-DT	20	58515379	58619888	104509	lncRNA	-1.21	3.23E-04	5.41E-03
ENSG00000162399	BSND	1	54998933	55017172	18239	protein coding	-1.21	6.24E-03	3.50E-02
ENSG00000185904	LINC00839	10	42475480	42495337	19857	lncRNA	-1.21	6.28E-03	3.52E-02
ENSG00000250848	AC021087.2	5	288833	290321	1488	processed pseudogene	-1.21	8.39E-03	4.24E-02
ENSG00000166862	CACNG2	22	36560857	36703752	142895	protein coding	-1.21	6.36E-03	3.54E-02
ENSG00000115183	TANC1	2	158968640	159232659	264019	protein coding	-1.21	6.77E-07	7.39E-05
ENSG00000236519	LINC01424	21	44802577	44804717	2140	lncRNA-antisense	-1.21	3.71E-03	2.53E-02
ENSG00000198046	ZNF667	19	56439325	56478065	38740	protein coding	-1.21	1.75E-05	7.72E-04
ENSG00000169752	NRG4	15	75935969	76059795	123826	protein coding	-1.21	2.09E-04	4.03E-03
ENSG00000226571	AL592429.2	6	139271362	139667284	395922	lncRNA-antisense	-1.21	7.56E-07	8.02E-05
ENSG00000163702	IL17RC	3	9917074	9933630	16556	protein coding	-1.21	2.71E-06	2.01E-04
ENSG00000166866	MYO1A	12	57028517	57051198	22681	protein coding	-1.21	1.66E-04	3.48E-03
ENSG00000163017	ACTG2	2	73892314	73919865	27551	protein coding	-1.21	5.97E-03	3.41E-02
ENSG00000228718	LINC02521	6	2617144	2640001	22857	lncRNA	-1.21	8.58E-03	4.29E-02
ENSG00000101955	SRPX	X	38149336	38220924	71588	protein coding	-1.21	4.90E-03	3.01E-02
ENSG00000266501	ATG12P1	17	73067870	73068288	418	processed pseudogene	-1.21	6.17E-03	3.47E-02
ENSG00000204442	FAM155A	13	107163510	107867496	703986	protein coding	-1.21	9.84E-03	4.70E-02
ENSG00000159261	CLDN14	21	36460621	36576569	115948	protein coding	-1.21	1.69E-03	1.52E-02
ENSG00000157542	KCNJ6	21	37607373	38121345	513972	protein coding	-1.21	3.38E-04	5.57E-03
ENSG00000228549	BX284668.2	1	16870945	16883659	12714	lncRNA	-1.21	1.79E-03	1.58E-02
ENSG00000224582	LINC01015	6	29528721	29533665	4944	lncRNA	-1.21	9.49E-04	1.06E-02
ENSG00000167634	NLRP7	19	54923509	54966312	42803	protein coding	-1.21	4.28E-04	6.45E-03
ENSG00000186094	AGBL4	1	48532854	50023954	1491100	protein coding	-1.22	1.07E-03	1.16E-02
ENSG00000101638	ST8IA5	18	46667821	46759257	91436	protein coding	-1.22	2.76E-05	1.04E-03
ENSG00000173838	MARCFH10	17	62701314	62808344	107030	protein coding	-1.22	4.64E-04	6.78E-03
ENSG00000165091	TMC1	9	72521608	72838297	316689	protein coding	-1.22	4.22E-04	6.39E-03
ENSG00000125207	PWIL1	12	130337887	130372637	34750	protein coding	-1.22	1.02E-03	1.12E-02
ENSG00000250241	AC10583.1	4	133075311	133149147	73836	lncRNA	-1.22	3.25E-03	2.32E-02
ENSG00000148225	WDR31	9	113313222	113340298	27076	protein coding	-1.22	9.48E-04	1.06E-02
ENSG00000240216	CPHL1P	3	149229356	149291800	62444	transcribed unitary pseudogene	-1.22	9.12E-03	4.46E-02
ENSG00000262898	AC139099.2	17	83135734	83221442	85708	lncRNA	-1.22	3.33E-03	2.36E-02
ENSG00000240086	AC092969.1	3	135138469	135439888	301419	lncRNA-antisense	-1.22	4.18E-04	6.36E-03
ENSG00000259495	AC016705.2	15	80344853	80404214	59361	lncRNA	-1.22	2.67E-03	2.05E-02
ENSG00000108231	LG11	10	93757840	93806272	48432	protein coding	-1.22	4.21E-04	6.39E-03
ENSG00000186510	CLCNKA	1	16018875	16034050	15175	protein coding	-1.22	8.30E-04	9.78E-03
ENSG00000231881	AL109615.2	6	44058792	44089288	30496	lncRNA	-1.22	3.78E-04	5.99E-03
ENSG00000285697	AC002059.3	22	29387909	29417757	29848	transcribed unprocessed pseudogene	-1.22	7.89E-03	4.07E-02
ENSG00000180616	SSTR2	17	73165010	73176633	11623	protein coding	-1.22	7.21E-04	8.97E-03
ENSG00000262185	LINC02861	16	3930806	3950586	19780	lncRNA	-1.22	3.23E-03	2.31E-02
ENSG00000249896	LINC02495	4	6200733	6239937	39204	transcribed unprocessed pseudogene	-1.22	1.49E-05	6.81E-04
ENSG00000164946	FREM1	9	14737152	14910995	173843	protein coding	-1.22	4.16E-04	6.34E-03
ENSG00000125046	SSUH2	3	8619400	8745040	125640	protein coding	-1.22	6.18E-04	8.20E-03
ENSG00000065325	GLP2R	17	9822206	9892099	69893	protein coding	-1.22	4.12E-03	2.71E-02
ENSG00000146755	TRIM50	7	73312536	73328082	15546	protein coding	-1.22	6.61E-03	3.63E-02
ENSG00000130707	ASS1	9	13044961	130501274	56313	protein coding	-1.22	5.47E-04	7.58E-03
ENSG00000221955	SLC12A8	3	125082636	125212864	130228	protein coding	-1.22	5.33E-05	1.63E-03
ENSG00000142515	KLK3	19	50854915	50860764	5849	protein coding	-1.22	4.60E-03	2.89E-02
ENSG00000113073	SLCA49	5	140360194	140375141	14947	protein coding	-1.22	2.20E-04	4.16E-03
ENSG00000282057	AC092807.3	1	85482281	85578250	95969	lncRNA	-1.22	1.04E-02	4.87E-02
ENSG00000126952	NXF5	X	101832112	101857577	25465	protein coding	-1.22	9.04E-03	4.44E-02
ENSG00000144406	UNC80	2	209771832	209999300	227468	protein coding	-1.22	3.73E-04	5.93E-03
ENSG00000119283	TRIM67	1	231162112	231221556	59444	protein coding	-1.22	5.05E-05	1.57E-03
ENSG00000263724	DLAGP1-AS3	18	3878058	3897069	19011	lncRNA-antisense	-1.22	1.05E-03	1.14E-02
ENSG00000161243	FBXO27	19	38990714	39032785	42071	protein coding	-1.22	2.32E-03	1.87E-02
ENSG00000140873	ADAMTS18	16	77247813	77435034	187221	protein coding	-1.22	9.64E-04	1.08E-02

ENSG0000069018	TRPC7	5	136212745	136365545	152800	protein coding	-1.22	2.21E-03	1.82E-02
ENSG00000143839	REN	1	204154819	204190324	35505	protein coding	-1.22	8.93E-03	4.40E-02
ENSG00000151025	GPR158	10	25174802	25602229	427427	protein coding	-1.22	4.53E-03	2.87E-02
ENSG00000100167	SEPTIN3	22	41969475	41998221	28746	protein coding	-1.22	1.26E-03	1.27E-02
ENSG00000149948	HMG2A	12	65824460	65966291	141831	protein coding	-1.22	1.18E-04	2.79E-03
ENSG00000259362	AC046168.1	15	77525540	77534110	8570	lncRNA	-1.22	6.85E-03	3.72E-02
ENSG00000180525	PRR26	10	649948	669581	19633	lncRNA	-1.22	3.84E-04	6.05E-03
ENSG00000159289	GOLGA6A	15	74069857	74082550	12693	protein coding	-1.22	1.61E-03	1.48E-02
ENSG00000133477	FAM83F	22	39994954	40043534	48580	protein coding	-1.22	2.64E-05	1.01E-03
ENSG00000154553	PDLIM3	4	185500660	185535507	34847	protein coding	-1.22	1.43E-03	1.38E-02
ENSG00000154783	FGD5	3	14810853	14934571	123718	protein coding	-1.22	3.43E-04	5.62E-03
ENSG00000205301	MGAT4D	4	140442262	140498377	56115	protein coding	-1.22	4.09E-03	2.70E-02
ENSG00000100604	CHGA	14	92923150	92935285	12135	protein coding	-1.22	6.88E-04	8.75E-03
ENSG00000170214	ADRA1B	5	159865080	159973012	107932	protein coding	-1.22	8.35E-03	4.23E-02
ENSG00000138083	SIX3	2	44941702	44946071	4369	protein coding	-1.22	5.52E-03	3.23E-02
ENSG00000186832	KRT16	17	41609778	41615899	6121	protein coding	-1.22	3.58E-03	2.47E-02
ENSG00000185532	PRKJ1	10	50990888	52298423	1307535	protein coding	-1.22	6.59E-04	8.53E-03
ENSG00000144852	NR112	3	119780484	119818485	38001	protein coding	-1.22	2.56E-03	2.00E-02
ENSG00000241226	RN7SL836P	19	45651510	45651805	295	misc RNA	-1.22	6.05E-03	3.44E-02
ENSG00000184984	CHRM5	15	33968497	34067458	98961	protein coding	-1.22	4.98E-03	3.04E-02
ENSG00000166840	GLYTL1	11	58905398	59043527	138129	protein coding	-1.22	6.56E-03	3.61E-02
ENSG00000158966	CACAT1	1	64470129	64693058	222929	protein coding	-1.23	5.74E-07	6.56E-05
ENSG00000160808	MYL3	3	46835111	46882172	47061	protein coding	-1.23	8.05E-03	4.12E-02
ENSG00000105929	ATP6V0A4	7	138706294	138799560	93266	protein coding	-1.23	3.95E-03	2.64E-02
ENSG00000168481	LG13	8	22146830	22157084	10254	protein coding	-1.23	2.58E-03	2.00E-02
ENSG00000187323	DCC	18	52340197	53535903	1195706	protein coding	-1.23	5.01E-04	7.12E-03
ENSG00000213171	LINGO4	1	151800264	151805419	5155	protein coding	-1.23	2.80E-03	2.11E-02
ENSG00000177453	NIM1K	5	43192071	43280850	88779	protein coding	-1.23	3.88E-05	1.31E-03
ENSG00000181626	ANKRD62	18	12093843	12129764	35921	protein coding	-1.23	1.44E-03	1.38E-02
ENSG00000164303	ENPP6	4	184088706	184221230	132524	protein coding	-1.23	5.56E-03	3.24E-02
ENSG00000124564	SLC17A3	6	25833066	25882286	49220	protein coding	-1.23	5.36E-03	3.17E-02
ENSG00000160339	FCN2	9	134880810	134887523	6713	protein coding	-1.23	3.30E-03	2.35E-02
ENSG00000154175	ABI3BP	3	100749156	100993515	244359	protein coding	-1.23	1.10E-04	2.68E-03
ENSG00000163638	ADAMTS9	3	64515654	64688000	172346	protein coding	-1.23	6.52E-04	8.49E-03
ENSG00000188659	SAXO2	15	82262810	82284930	22120	protein coding	-1.23	3.17E-04	5.32E-03
ENSG00000079112	CDH17	8	94127162	94217303	90141	protein coding	-1.23	4.33E-03	2.79E-02
ENSG00000236975	LINC02814	1	229087114	229205428	118214	lncRNA	-1.23	7.34E-03	3.89E-02
ENSG00000135824	RGS8	1	182641816	182684576	42760	protein coding	-1.23	9.38E-04	1.06E-02
ENSG00000251151	HOXC-AS3	12	53981509	53985519	4010	lncRNA	-1.23	6.77E-03	3.69E-02
ENSG00000165186	PTCHD1	X	23334849	23404374	69525	protein coding	-1.23	1.63E-03	1.49E-02
ENSG00000205126	ACCSL	11	44047981	44059977	11996	protein coding	-1.23	8.78E-03	4.35E-02
ENSG00000284745	AL589702.1	1	2960658	2968707	8049	lncRNA	-1.23	3.76E-03	2.56E-02
ENSG00000157703	SVOP1	7	138594285	138701362	107077	protein coding	-1.23	1.35E-03	1.33E-02
ENSG00000174498	IGDCC3	15	65327127	65378002	50875	protein coding	-1.23	3.35E-04	5.55E-03
ENSG00000134376	CRB1	1	197268204	197478455	210251	protein coding	-1.23	2.04E-05	8.54E-04
ENSG00000101311	FERMT1	20	6074845	6123030	48185	protein coding	-1.23	1.26E-03	1.27E-02
ENSG00000171004	HS6ST2	X	132626016	132961395	335379	protein coding	-1.23	4.63E-03	2.91E-02
ENSG00000135373	EHF	11	34621093	34663288	42195	protein coding	-1.23	9.50E-05	2.44E-03
ENSG00000141665	FBXO15	18	74073353	74147843	74490	protein coding	-1.23	2.83E-05	1.06E-03
ENSG00000154997	SEPTIN14	7	55793540	55862755	69215	protein coding	-1.23	6.11E-03	3.45E-02
ENSG00000163749	CDC158	4	76312997	76421868	108871	protein coding	-1.23	1.40E-03	1.36E-02
ENSG00000225361	PPP1R26-AS1	9	135462727	135480777	18050	lncRNA-antisense	-1.23	3.20E-05	1.15E-03
ENSG00000227877	MRLN	10	59736692	59756041	19349	protein coding	-1.23	1.04E-02	4.86E-02
ENSG00000165757	JCAD	10	30012803	30115494	102691	protein coding	-1.23	1.94E-04	3.84E-03
ENSG00000251209	LINC00923	15	97572185	97875650	303465	lncRNA	-1.23	1.49E-05	6.82E-04
ENSG00000163701	IL17RE	3	9902612	9916402	13790	protein coding	-1.23	3.48E-04	5.66E-03
ENSG00000249738	AC00891.1	5	159310745	159805536	494791	lncRNA-antisense	-1.23	1.37E-05	6.42E-04
ENSG00000162706	CADM3	1	159171609	159203313	31704	protein coding	-1.23	8.63E-03	4.31E-02
ENSG00000185070	FLRT2	14	85530144	85654428	124284	protein coding	-1.23	5.78E-05	1.71E-03
ENSG00000124743	KLHL31	6	53647916	53665756	17840	protein coding	-1.23	2.24E-03	1.83E-02
ENSG00000253837	AC09197.1	8	23336171	23366125	29954	lncRNA	-1.23	1.79E-03	1.58E-02
ENSG00000156194	PPEF2	4	75859864	75902571	42707	protein coding	-1.23	3.79E-04	5.99E-03
ENSG00000188958	UTS2B	3	191267168	191330536	63368	protein coding	-1.23	3.12E-03	2.26E-02
ENSG00000113594	LIFR	5	38474668	38608354	133686	protein coding	-1.23	1.08E-04	2.65E-03
ENSG00000126266	FFAR1	19	35351552	35353862	2310	protein coding	-1.24	8.27E-03	4.20E-02
ENSG00000169218	RSP01	1	37611350	37634892	23542	protein coding	-1.24	1.66E-03	1.51E-02
ENSG00000274253	AC138649.1	15	22757841	22778741	20900	lncRNA-sense overlapping	-1.24	3.61E-04	5.80E-03
ENSG00000280222	AL365209.1	1	18109389	18115861	6472	TEC	-1.24	2.26E-03	1.84E-02
ENSG00000119125	GDA	9	72114595	72257193	142598	protein coding	-1.24	1.26E-03	1.27E-02
ENSG00000121446	RGSL1	1	182409192	182560599	151407	protein coding	-1.24	2.07E-04	4.01E-03
ENSG00000204603	LINC01257	12	131165011	131232940	67929	lncRNA	-1.24	2.68E-03	2.04E-02
ENSG00000183242	WT1-AS	11	32435518	32458769	23251	lncRNA-bidirectional promoter	-1.24	7.08E-04	8.87E-03
ENSG00000287950	AC009432.2	15	94455469	94550572	95103	lncRNA	-1.24	1.56E-03	1.45E-02
ENSG00000109625	CPZ	4	8592660	8619759	27099	protein coding	-1.24	5.04E-03	3.06E-02
ENSG00000185313	SCN10A	3	38696802	38816286	119484	protein coding	-1.24	6.37E-04	8.36E-03
ENSG00000287229	AC09731.1	12	113863402	113871597	8195	lncRNA	-1.24	1.03E-02	4.85E-02
ENSG00000259520	AC051619.4	15	45235930	45279251	43321	lncRNA-antisense	-1.24	1.51E-04	3.27E-03
ENSG00000177675	CD163L1	12	7346685	7479897	133212	protein coding	-1.24	4.07E-04	6.28E-03
ENSG00000226145	KRT16P6	17	16817983	16822579	4596	transcribed unprocessed pseudogene	-1.24	6.34E-03	3.53E-02
ENSG00000186334	SLC36A3	5	151276358	151303766	27408	protein coding	-1.24	8.66E-03	4.32E-02
ENSG00000272808	AC015712.6	15	100849831	100876836	27005	lncRNA	-1.24	3.82E-03	2.58E-02
ENSG00000189014	SHLD2P3	10	47689707	47730436	40729	unprocessed pseudogene	-1.24	5.44E-03	3.20E-02
ENSG00000230140	NPAS2-AS1	2	100970767	100977766	6999	lncRNA-antisense	-1.24	7.89E-03	4.07E-02
ENSG00000178645	C10orf53	10	49679651	49710261	30610	protein coding	-1.24	9.50E-03	4.58E-02
ENSG00000231407	GORAB-AS1	1	170460453	170532647	72194	lncRNA-antisense	-1.24	2.85E-03	2.13E-02
ENSG00000253741	LNCOC1	8	142701857	142727016	25159	lncRNA-antisense	-1.24	1.20E-03	1.24E-02
ENSG00000166961	MS4A15	11	60756867	60776733	19866	protein coding	-1.24	2.72E-03	2.08E-02
ENSG00000169604	ANTXR1	2	69013179	69249327	236148	protein coding	-1.24	1.60E-03	1.47E-02
ENSG00000113578	FGF1	5	142592178	142698070	105892	protein coding	-1.24	6.59E-03	3.62E-02
ENSG00000183230	CTNNA3	10	65912523	67696195	1783672	protein coding	-1.24	3.80E-03	2.57E-02

ENSG00000112562	SMOC2	6	168441151	168673445	232294	protein coding	-1.24	6.07E-04	8.09E-03
ENSG00000186732	MPPE1D	22	43411196	43507848	96652	protein coding	-1.24	1.34E-04	3.04E-03
ENSG00000246523	FZDA-DT	11	86955616	87021909	66293	lncRNA	-1.24	8.47E-03	4.26E-02
ENSG00000230876	LINC00486	2	32825359	32926693	101334	lncRNA	-1.24	1.63E-03	1.49E-02
ENSG00000167759	KLK13	19	51055626	51065114	9488	protein coding	-1.24	1.09E-02	4.99E-02
ENSG00000162779	AXDND1	1	179365720	179554735	189015	protein coding	-1.24	5.29E-03	3.15E-02
ENSG00000142623	PADI1	1	17205128	17246007	40879	protein coding	-1.24	2.20E-03	1.81E-02
ENSG00000279588	AC087762.2	15	100782417	100786189	3772	TEC	-1.24	9.19E-03	4.49E-02
ENSG00000160882	CYP11B1	8	142872356	142879846	7490	protein coding	-1.24	2.11E-04	4.05E-03
ENSG00000274756	AC243732.1	17	36574462	36575325	863	processed pseudogene	-1.24	7.89E-03	4.07E-02
ENSG00000159307	SCUBE1	22	43197280	43343372	146092	protein coding	-1.24	1.39E-06	1.24E-04
ENSG00000100344	PNPLA3	22	43923792	43964488	40696	protein coding	-1.24	8.01E-04	9.58E-03
ENSG00000234667	ACTBP13	3	49873347	49877305	3958	unitary pseudogene	-1.24	6.37E-03	3.54E-02
ENSG00000157653	C9orf43	9	113410054	113429690	19636	protein coding	-1.24	2.96E-04	5.09E-03
ENSG00000155719	OEOA	16	21663968	21761935	97967	protein coding	-1.24	1.29E-03	1.29E-02
ENSG00000158220	ESYT3	3	138434586	138481686	47100	protein coding	-1.24	1.15E-04	2.76E-03
ENSG00000180347	ITPR1D1	7	31514071	31658720	144649	protein coding	-1.24	1.91E-03	1.65E-02
ENSG00000234419	CICP13	1	222468094	222470882	2788	processed pseudogene	-1.24	5.33E-03	3.16E-02
ENSG00000267391	MIR122HG	18	58445788	58453766	7978	lncRNA	-1.25	2.61E-03	2.02E-02
ENSG00000177138	FAM9B	X	9024232	9295682	271450	protein coding	-1.25	1.43E-03	1.38E-02
ENSG00000143199	ADCY10	1	167809386	167914215	104829	protein coding	-1.25	2.76E-05	1.04E-03
ENSG00000257838	TOAP1	16	22545698	22576865	31167	transcribed unprocessed pseudogene	-1.25	9.31E-03	4.52E-02
ENSG00000279249	AC007614.1	16	49282021	49350504	68483	lncRNA-antisense	-1.25	1.21E-04	2.84E-03
ENSG00000168748	CA7	16	66844414	66854153	9739	protein coding	-1.25	7.88E-03	4.07E-02
ENSG00000136425	CIB2	15	78104606	78131535	26929	protein coding	-1.25	4.73E-06	2.99E-04
ENSG00000157131	C8A	1	56854797	56918223	63426	protein coding	-1.25	3.96E-03	2.64E-02
ENSG00000197140	ADAM32	8	39106990	39284917	177927	protein coding	-1.25	1.63E-04	3.45E-03
ENSG00000280660	AL157396.1	10	93762453	93771991	9538	lncRNA-sense intronic	-1.25	2.81E-03	2.12E-02
ENSG00000274776	AC090241.7	18	46786699	46789297	2598	lncRNA	-1.25	1.37E-03	1.34E-02
ENSG00000259088	AL137779.2	14	101796555	101810321	13766	lncRNA-antisense	-1.25	7.32E-03	3.88E-02
ENSG00000144061	NHPH1	2	110122311	110205066	82755	protein coding	-1.25	6.51E-06	3.82E-04
ENSG00000134760	DSG1	18	31318160	31359246	41086	protein coding	-1.25	9.49E-03	4.58E-02
ENSG00000230417	LINC00595	10	78179185	78551355	372170	lncRNA	-1.25	8.22E-06	4.47E-04
ENSG00000227240	AL136456.1	1	193473224	194198708	725484	lncRNA	-1.25	8.62E-03	4.30E-02
ENSG00000250899	AC125807.2	12	3041437	3044950	3513	lncRNA	-1.25	4.26E-03	2.76E-02
ENSG00000238273	AC108508.1	2	105363038	105378839	15801	lncRNA-antisense	-1.25	1.30E-03	1.30E-02
ENSG00000226954	AL023802.1	22	49718053	49724506	6453	lncRNA	-1.25	1.91E-03	1.65E-02
ENSG00000234817	ECI2-DT	6	4136072	4157385	21313	lncRNA	-1.25	3.64E-03	2.50E-02
ENSG00000243016	AC112482.1	3	127221194	127221881	687	unprocessed pseudogene	-1.25	8.50E-03	4.27E-02
ENSG00000101463	SYNDIG1	20	24469629	24666616	196987	protein coding	-1.25	3.86E-03	2.60E-02
ENSG00000187720	THSD4	15	71096952	71783383	686431	protein coding	-1.25	2.41E-05	9.52E-04
ENSG00000103599	IQCH	15	67254786	67502260	247474	protein coding	-1.25	2.60E-05	9.99E-04
ENSG00000143217	NECTIN4	1	161070998	161089558	18560	protein coding	-1.25	8.18E-03	4.17E-02
ENSG00000258584	FAM181A-AS1	14	93904730	93927066	22336	lncRNA-antisense	-1.25	1.67E-03	1.51E-02
ENSG00000117122	MFPAP2	1	16974502	16980632	6130	protein coding	-1.25	1.73E-03	1.55E-02
ENSG00000179826	MRGPRX3	11	18120955	18138480	17525	protein coding	-1.25	3.72E-03	2.54E-02
ENSG00000287335	AL139351.3	20	48025245	48060271	35026	lncRNA	-1.25	3.06E-03	2.24E-02
ENSG00000223403	MEG9	14	101068283	101072937	4654	lncRNA	-1.25	2.14E-03	1.78E-02
ENSG00000228189	LINC02843	9	88627063	88652180	25117	lncRNA	-1.25	4.74E-03	2.95E-02
ENSG00000286757	AL137139.2	13	99841879	99957167	115288	lncRNA	-1.25	1.05E-04	2.60E-03
ENSG00000167580	AQP2	12	49950737	49958878	8141	protein coding	-1.25	3.63E-03	2.50E-02
ENSG00000205929	C21orf62	21	32790673	32813743	23070	protein coding	-1.25	8.32E-03	4.22E-02
ENSG00000250986	LINC02600	4	3758748	3763390	4642	lncRNA	-1.25	1.52E-03	1.42E-02
ENSG00000155754	C2C6D6	2	201487421	201619178	131757	protein coding	-1.25	5.51E-04	7.61E-03
ENSG00000159495	TGM7	15	43276271	43302255	25984	protein coding	-1.25	2.37E-03	1.89E-02
ENSG00000091129	NRCAM	7	108147623	108456717	309094	protein coding	-1.25	6.18E-06	3.66E-04
ENSG00000254746	AC103855.2	11	45486867	45542487	55620	lncRNA	-1.25	3.89E-03	2.62E-02
ENSG00000189143	CLND4	7	73799542	73832693	33151	protein coding	-1.25	1.13E-03	1.19E-02
ENSG00000133958	UNC79	14	93333219	93707876	374657	protein coding	-1.25	5.81E-05	1.71E-03
ENSG00000141519	CDC40	17	80036632	80100613	63981	protein coding	-1.25	1.36E-04	3.06E-03
ENSG00000275212	LINC02826	12	125983702	126043485	59783	lncRNA	-1.25	4.43E-03	2.83E-02
ENSG00000285634	AL583827.1	9	85369591	85444230	74639	lncRNA	-1.25	7.10E-03	3.80E-02
ENSG00000272674	PCDHB16	5	141181399	141186399	5000	protein coding	-1.25	3.05E-03	2.23E-02
ENSG00000277215	SPANXA2-OT1	X	141177284	141649927	472643	lncRNA	-1.25	4.79E-03	2.97E-02
ENSG00000124143	ARHGAP40	20	38601934	38651035	49101	protein coding	-1.26	2.90E-03	2.16E-02
ENSG00000258451	EGILA	14	20693480	20707120	13640	lncRNA-antisense	-1.26	8.91E-03	4.40E-02
ENSG00000091128	LAMB4	7	108023548	108130361	106813	protein coding	-1.26	1.29E-03	1.29E-02
ENSG00000287031	AC093307.1	5	6378674	6411690	33016	lncRNA	-1.26	8.53E-03	4.28E-02
ENSG00000204291	COL15A1	9	98943179	99070792	127613	protein coding	-1.26	8.05E-05	2.19E-03
ENSG00000230387	AL118508.1	20	23179272	23190419	11147	lncRNA	-1.26	1.12E-03	1.18E-02
ENSG00000237667	LINC01115	2	779840	868608	88768	lncRNA	-1.26	5.60E-06	3.39E-04
ENSG00000161270	NPHS1	19	35825372	35869287	43915	protein coding	-1.26	9.61E-04	1.07E-02
ENSG00000269473	AC012313.8	19	58440448	58445849	5401	lncRNA	-1.26	4.82E-04	6.95E-03
ENSG00000165449	SLC16A9	10	59650761	59736002	85241	protein coding	-1.26	5.23E-03	3.13E-02
ENSG00000226622	AC092155.1	2	62533681	62662829	129148	lncRNA-antisense	-1.26	2.90E-03	2.16E-02
ENSG00000141434	MPE1B	18	32185069	32220404	35335	protein coding	-1.26	1.01E-02	4.79E-02
ENSG00000172900	ACTE1P	11	71382601	71423423	40822	transcribed unitary pseudogene	-1.26	7.37E-04	9.10E-03
ENSG00000245768	AC106793.1	16	58733910	59199395	465485	lncRNA	-1.26	3.45E-03	2.41E-02
ENSG00000226101	LINC02097	17	72072333	72103035	30702	lncRNA	-1.26	9.51E-03	4.59E-02
ENSG00000162733	DDR2	1	162631373	162787405	156032	protein coding	-1.26	3.41E-06	2.38E-04
ENSG00000214832	UPF3A2	17	20375369	20376840	1471	transcribed processed pseudogene	-1.26	1.50E-04	3.27E-03
ENSG00000152086	TUBA3E	2	130191745	130198439	6694	protein coding	-1.26	6.15E-03	3.47E-02
ENSG00000122012	SV2C	5	76083383	76353939	270556	protein coding	-1.26	3.47E-05	1.21E-03
ENSG00000262081	IL9RP4	18	80140	88570	8430	unprocessed pseudogene	-1.26	4.99E-03	3.04E-02
ENSG00000223561	AC005165.1	7	25593304	25751032	157728	lncRNA	-1.26	2.26E-05	9.10E-04
ENSG00000149633	KIAA1755	20	38210503	38260772	50269	protein coding	-1.26	1.84E-04	3.72E-03
ENSG00000185303	SFPA2	10	79555852	79560407	4555	protein coding	-1.26	4.07E-02	2.69E-02
ENSG00000167281	RBFOX3	17	79089345	79516148	426803	protein coding	-1.26	3.26E-05	1.16E-03
ENSG00000103460	TOX3	16	52436417	52547802	11385	protein coding	-1.26	4.12E-03	2.71E-02
ENSG00000142619	PADI3	1	17249098	17284233	35135	protein coding	-1.26	3.89E-03	2.61E-02

ENSG00000267387	AC020931.1	19	10089032	10090377	1345	lncRNA-antisense	-1.26	2.15E-03	1.79E-02
ENSG00000182013	PNMABA	19	46466491	46471563	5072	protein coding	-1.26	4.77E-03	2.96E-02
ENSG00000249245	NCOA4P3	4	145624159	145626035	1876	processed pseudogene	-1.26	7.99E-03	4.10E-02
ENSG00000253608	AC022915.2	8	48551567	48698510	146943	lncRNA-antisense	-1.26	5.18E-03	3.11E-02
ENSG00000271013	LRRC37A9P	17	35912635	35918010	5375	processed pseudogene	-1.26	1.65E-03	1.50E-02
ENSG00000179046	TRIML2	4	188091273	188109603	18330	protein coding	-1.26	6.94E-03	3.75E-02
ENSG00000235749	AL390860.1	1	247639630	247761255	121625	lncRNA-antisense	-1.26	7.23E-03	3.85E-02
ENSG00000164692	COL1A2	7	94394895	94431227	36332	protein coding	-1.26	2.55E-04	4.61E-03
ENSG00000240771	ARHGFE25	12	57610180	57617245	7065	protein coding	-1.26	1.08E-02	4.98E-02
ENSG00000163689	CFAP20DC	3	58717365	59050084	332719	protein coding	-1.26	8.85E-05	2.33E-03
ENSG00000102287	GABRE	X	151953124	151974680	21556	protein coding	-1.26	3.00E-05	1.10E-03
ENSG00000248954	AC027801.2	17	49887598	49900893	13295	lncRNA	-1.26	5.02E-03	3.05E-02
ENSG00000147082	CCNB3	X	50202713	50351914	149201	protein coding	-1.26	5.50E-04	7.61E-03
ENSG00000283945	LINC00032	9	27245680	27284869	39189	transcribed unprocessed pseudogene	-1.26	3.87E-03	2.60E-02
ENSG00000160868	CYP3A4	7	99756960	99784248	27288	protein coding	-1.26	9.08E-03	4.45E-02
ENSG00000249669	CARMN	5	149406689	149432835	26146	lncRNA	-1.26	1.05E-04	2.60E-03
ENSG00000140481	CCDC33	15	74202705	74336472	133767	protein coding	-1.26	1.24E-04	2.89E-03
ENSG00000184194	GPR173	X	53048789	53080615	31826	protein coding	-1.26	2.74E-03	2.09E-02
ENSG00000110427	KIAA1549L	11	33376108	33674102	297994	protein coding	-1.26	4.00E-05	1.33E-03
ENSG00000214653	HNRNP3P3	X	140032344	140033480	1136	processed pseudogene	-1.26	2.79E-03	2.11E-02
ENSG00000225683	PACRG-AS3	6	163163830	163192038	28208	lncRNA-antisense	-1.26	9.84E-04	1.09E-02
ENSG00000234948	LINC01524	20	52192159	52670578	478419	lncRNA	-1.26	2.27E-06	1.76E-04
ENSG00000171815	PCDH1	5	141051374	141059346	7972	protein coding	-1.26	4.35E-03	2.79E-02
ENSG00000286262	BX322557.2	21	45299299	45302964	3035	lncRNA	-1.26	2.53E-03	1.97E-02
ENSG00000176771	NCKAP5	2	132671788	133568463	896675	protein coding	-1.26	1.42E-04	3.14E-03
ENSG00000117069	ST6GALNAC5	1	76867480	77067546	200066	protein coding	-1.26	1.46E-03	1.39E-02
ENSG00000253831	ETV3L	1	157092043	157112412	20369	protein coding	-1.26	4.04E-03	2.68E-02
ENSG00000153404	PLEKHG4B	5	92151	189972	97821	protein coding	-1.26	9.87E-05	2.51E-03
ENSG00000143921	ABCG8	2	43831942	43882988	51046	protein coding	-1.26	2.23E-03	1.83E-02
ENSG00000215704	CELA2B	1	15465909	15491395	25486	protein coding	-1.26	5.04E-03	3.06E-02
ENSG00000131095	GFAP	17	44903159	44916937	13778	protein coding	-1.26	1.64E-04	3.46E-03
ENSG00000148677	ANKRD1	10	90912096	90921087	8991	protein coding	-1.26	7.28E-04	9.03E-03
ENSG00000237938	AL450998.2	1	15720312	15738896	16584	lncRNA-antisense	-1.26	2.84E-03	2.13E-02
ENSG00000287621	AC021851.2	2	183253652	183495501	241849	lncRNA	-1.26	9.87E-03	4.71E-02
ENSG00000196660	SLC30A10	1	219685427	219958647	273220	protein coding	-1.27	3.78E-04	5.99E-03
ENSG00000250934	AC016924.1	3	126266747	126291525	24778	lncRNA	-1.27	1.52E-03	1.43E-02
ENSG00000260734	TLE7	16	71429980	71442054	12074	protein coding	-1.27	7.61E-03	3.98E-02
ENSG00000178722	C5orf64	5	61610424	61793401	182977	lncRNA	-1.27	1.72E-04	3.57E-03
ENSG00000253311	LINC01847	5	159698586	159937766	239180	lncRNA-antisense	-1.27	4.86E-03	2.99E-02
ENSG00000230699	AL645608.2	1	911435	914948	3513	lncRNA	-1.27	1.61E-03	1.48E-02
ENSG00000182585	EPGN	4	74308470	74316789	8319	protein coding	-1.27	6.61E-03	3.63E-02
ENSG00000233396	LINC01719	1	146052566	146061948	9382	lncRNA	-1.27	3.51E-03	2.45E-02
ENSG00000170927	PKHD1	6	51615299	52087613	472314	protein coding	-1.27	1.24E-03	1.26E-02
ENSG00000283380	AL807742.1	X	20769718	21374265	604547	lncRNA	-1.27	1.49E-03	1.41E-02
ENSG00000264026	LINC02002	17	72342692	72355136	12444	lncRNA	-1.27	5.69E-03	3.30E-02
ENSG00000144481	TRPM8	2	233917373	234019522	102149	protein coding	-1.27	7.02E-04	8.83E-03
ENSG00000249961	TERF1	16	66754640	66801620	46980	protein coding	-1.27	1.02E-03	1.11E-02
ENSG00000263089	AC007114.2	17	57092145	57098425	4280	lncRNA-antisense	-1.27	2.52E-03	1.97E-02
ENSG00000125398	SOX9	17	72121020	72126416	5396	protein coding	-1.27	3.11E-03	2.26E-02
ENSG00000259974	LINC00261	20	22547671	22578642	30971	lncRNA	-1.27	8.51E-03	4.27E-02
ENSG00000287079	AL109806.2	20	56550605	56555579	4974	lncRNA	-1.27	2.28E-03	1.85E-02
ENSG00000267339	LINC00906	19	28883430	28970874	87444	lncRNA	-1.27	3.07E-03	2.24E-02
ENSG00000234869	AL021392.1	22	46541495	46548196	6701	lncRNA-antisense	-1.27	6.69E-03	3.66E-02
ENSG00000266916	ZNF793-AS1	19	37497159	37507122	9963	lncRNA-antisense	-1.27	2.10E-03	1.76E-02
ENSG00000169213	RAB3B	1	51907956	51907000	82744	protein coding	-1.27	7.14E-04	8.91E-03
ENSG00000128655	PDE11A	2	177623244	178072777	449533	protein coding	-1.27	8.47E-04	9.90E-03
ENSG00000283078	AL137077.2	20	62066830	62068437	1607	lncRNA	-1.27	1.82E-03	1.60E-02
ENSG00000073712	FERM2T2	14	52857268	52952435	95167	protein coding	-1.27	1.87E-04	3.75E-03
ENSG00000041982	TNC	9	115019575	115118257	98682	protein coding	-1.27	1.19E-04	2.80E-03
ENSG00000250770	AC005865.1	12	3296202	3366122	69920	transcribed unprocessed pseudogene	-1.27	3.36E-03	2.38E-02
ENSG00000260254	AP000997.3	11	115638563	115646962	8399	lncRNA	-1.27	1.41E-04	3.13E-03
ENSG00000109794	FAM149A	4	186104419	186172667	68248	protein coding	-1.27	1.51E-04	3.27E-03
ENSG00000264672	SEPTIN4-AS1	17	58519837	58557799	37962	lncRNA-antisense	-1.27	9.06E-03	4.44E-02
ENSG00000187726	DNAJB13	11	73951026	73970366	19340	protein coding	-1.27	9.64E-04	1.08E-02
ENSG00000154258	ABCA9	17	68974488	69060949	86461	protein coding	-1.27	2.90E-03	2.16E-02
ENSG00000104415	CCN4	8	133191039	133231690	40651	protein coding	-1.27	3.27E-03	2.34E-02
ENSG00000227544	AC018647.1	7	35715032	35734924	19892	lncRNA	-1.27	1.10E-03	1.17E-02
ENSG00000117154	IGSF21	1	18107798	18378483	270685	protein coding	-1.27	9.36E-04	1.06E-02
ENSG00000136872	ALDOB	9	101420560	101449664	29104	protein coding	-1.27	8.03E-03	4.12E-02
ENSG00000184454	NCMAP	1	24556087	24609328	53241	protein coding	-1.27	4.26E-03	2.76E-02
ENSG00000171532	NEUROD2	17	39603536	39609777	6241	protein coding	-1.27	3.80E-04	6.01E-03
ENSG00000244411	KRTAP5-7	11	71527267	71528669	1402	protein coding	-1.27	9.67E-03	4.64E-02
ENSG00000124818	OPN5	6	47781982	47832780	50798	protein coding	-1.27	6.85E-03	3.72E-02
ENSG00000183379	SYNDIG1L	14	74405894	74426210	20316	protein coding	-1.27	4.15E-03	2.72E-02
ENSG00000224655	LINC01823	2	121779133	121809962	30829	lncRNA	-1.27	3.94E-04	6.13E-03
ENSG00000245522	LINC02709	11	9754770	9759533	4763	lncRNA	-1.27	6.01E-03	3.42E-02
ENSG00000178233	TMEM151B	6	44270450	44307506	37056	protein coding	-1.27	5.29E-03	3.15E-02
ENSG00000134160	TRPM1	15	31001061	31161273	160212	protein coding	-1.27	1.41E-03	1.37E-02
ENSG00000230333	AC004160.1	7	11180902	11520175	339273	lncRNA	-1.27	3.28E-03	2.34E-02
ENSG00000224715	Z82186.1	22	47345569	47373541	27972	lncRNA	-1.27	2.45E-03	1.93E-02
ENSG00000226903	LINC00354	13	111865136	111901264	36128	lncRNA	-1.28	2.09E-03	1.75E-02
ENSG00000151388	ADAMT512	5	33523535	33892019	368484	protein coding	-1.28	3.91E-04	6.11E-03
ENSG00000166250	CLMP	11	123069872	123195248	125376	protein coding	-1.28	2.49E-04	4.53E-03
ENSG00000226808	LINC00840	10	43778946	43901004	122058	lncRNA	-1.28	2.80E-03	2.11E-02
ENSG00000129028	THAP10	15	70881342	70892433	11091	protein coding	-1.28	6.80E-03	3.70E-02
ENSG00000226482	ADIPOQ-AS1	3	186851886	186856123	4237	lncRNA-antisense	-1.28	7.11E-03	3.81E-02
ENSG00000148702	HABP2	10	113550837	113589602	38765	protein coding	-1.28	1.62E-03	1.49E-02
ENSG00000259345	AC013652.1	15	38865322	39427195	561873	lncRNA	-1.28	3.13E-04	5.27E-03
ENSG00000066629	EML1	14	99737693	99942060	204367	protein coding	-1.28	1.11E-04	2.69E-03
ENSG00000213290	PGK1P2	19	12559571	12561105	1534	processed pseudogene	-1.28	2.29E-03	1.86E-02

ENSG00000267053	AC092296.2	19	36304564	36321274	16710	lncRNA	-1.28	3.87E-04	6.08E-03
ENSG00000078725	BRINP1	9	119153458	119369435	215977	protein coding	-1.28	2.65E-03	2.04E-02
ENSG00000104901	DKL1	19	49361783	49375116	13333	protein coding	-1.28	7.79E-03	4.04E-02
ENSG00000165194	PCDH19	X	100291644	100410273	118629	protein coding	-1.28	1.98E-04	3.89E-03
ENSG00000105143	SLC1A6	19	14950034	15022990	72956	protein coding	-1.28	6.69E-04	8.60E-03
ENSG00000178882	RFLNA	12	123973241	124316024	342783	protein coding	-1.28	1.21E-03	1.24E-02
ENSG00000248538	AC022784.1	8	9151695	9425524	273829	lncRNA	-1.28	3.25E-06	2.30E-04
ENSG00000268970	AC022150.2	19	52597699	52598887	1188	lncRNA-sense intronic	-1.28	1.08E-02	4.96E-02
ENSG00000145626	UGT3A1	5	35951006	36001028	50022	protein coding	-1.28	1.02E-03	1.11E-02
ENSG00000132915	PDE6A	5	149857953	149944793	86840	protein coding	-1.28	3.43E-03	2.41E-02
ENSG00000144452	ABCA12	2	214931542	215138626	207084	protein coding	-1.28	1.82E-03	1.60E-02
ENSG00000225670	CADM3-AS1	1	159194325	159207973	13648	lncRNA-antisense	-1.28	5.23E-03	3.13E-02
ENSG00000223764	LINC02593	1	916865	921016	4151	lncRNA	-1.28	1.21E-03	1.24E-02
ENSG00000214617	SLC6A10P	16	32877469	32885501	8032	transcribed unprocessed pseudogene	-1.28	1.28E-03	1.28E-02
ENSG00000258545	RHOF1-AS1	X	120036236	120146854	110618	lncRNA-antisense	-1.28	3.66E-03	2.51E-02
ENSG00000260188	AC002464.1	6	110477907	110479436	1529	lncRNA-antisense	-1.28	7.86E-03	4.06E-02
ENSG00000146267	FAXC	6	99271168	99350062	78894	protein coding	-1.28	2.78E-03	2.10E-02
ENSG00000256995	AC084816.1	12	22699859	23188807	488948	lncRNA	-1.28	4.93E-03	3.02E-02
ENSG00000206075	SERPINB5	18	63476958	63505085	28127	protein coding	-1.28	1.00E-02	4.74E-02
LINC000234722	LINC01287	7	153355365	153413985	58620	lncRNA	-1.28	6.34E-04	8.32E-03
ENSG00000197616	MYH6	14	23381982	23408273	26291	protein coding	-1.28	1.99E-03	1.71E-02
ENSG00000236155	ZPLD2P	1	26209741	26229840	20099	transcribed unprocessed pseudogene	-1.28	1.39E-03	1.35E-02
ENSG00000113389	NPR3	5	32689070	32791724	102654	protein coding	-1.28	1.21E-04	2.85E-03
ENSG00000279443	ALS13497.1	1	28544460	28546542	2082	TEC	-1.28	2.33E-03	1.87E-02
ENSG00000117650	NEK2	1	211658657	211675630	16973	protein coding	-1.28	9.85E-04	1.09E-02
ENSG00000230563	AL121757.1	20	5445838	5475483	29645	lncRNA	-1.28	5.73E-03	3.32E-02
ENSG00000249364	AC112206.2	5	67379378	67806600	427222	lncRNA	-1.28	5.48E-03	3.21E-02
ENSG00000254423	AC087203.1	8	12374366	12375546	1180	processed pseudogene	-1.28	3.83E-03	2.59E-02
ENSG00000156427	FGF18	5	171419647	171457626	37979	protein coding	-1.28	1.32E-03	1.31E-02
ENSG00000255082	GRM5-AS1	11	88504576	88524054	19478	lncRNA-antisense	-1.28	4.23E-03	2.75E-02
ENSG00000230731	ALS589745.1	13	44234118	44256596	22478	lncRNA	-1.28	3.30E-03	2.35E-02
ENSG00000233602	ERIS-IT1	1	44243408	44244273	865	lncRNA-sense intronic	-1.29	3.24E-03	2.32E-02
ENSG00000186628	FSD2	15	82755362	82806070	50708	protein coding	-1.29	4.30E-05	1.40E-03
ENSG00000141314	RHBDL3	17	32265832	32324659	58827	protein coding	-1.29	1.64E-03	1.49E-02
ENSG00000255093	AP002008.2	11	111448450	111475397	26947	transcribed unitary pseudogene	-1.29	1.35E-04	3.05E-03
ENSG00000197587	DMBX1	1	46489836	46516216	26380	protein coding	-1.29	1.20E-03	1.24E-02
ENSG00000169758	TMEM266	15	76059958	76229121	169163	protein coding	-1.29	2.45E-05	9.60E-04
ENSG00000215018	COL28A1	7	7356203	7353873	179670	protein coding	-1.29	1.08E-03	1.16E-02
ENSG00000198883	PNMA5	X	152988824	152994116	5292	protein coding	-1.29	3.12E-04	5.26E-03
ENSG00000197241	SLC2A7	1	9003300	9026345	23045	protein coding	-1.29	4.73E-03	2.95E-02
ENSG00000164756	SLC30A8	8	116950273	117176714	226441	protein coding	-1.29	2.98E-03	2.20E-02
ENSG00000159173	TNNI1	1	201403768	201429866	26098	protein coding	-1.29	4.61E-04	6.76E-03
ENSG00000115380	EFEMP1	2	55865967	55924139	58172	protein coding	-1.29	4.34E-03	2.79E-02
ENSG00000204655	MOG	6	29657002	29672372	15370	protein coding	-1.29	8.49E-03	4.27E-02
ENSG00000103241	FOXF1	16	86510527	86515422	4895	protein coding	-1.29	2.62E-03	2.03E-02
ENSG00000165588	OTX2	14	56799905	56816693	16788	protein coding	-1.29	8.74E-03	4.35E-02
ENSG00000170484	KRT74	12	52565782	52573843	8061	protein coding	-1.29	1.88E-03	1.64E-02
ENSG00000185069	KRT76	12	52768155	52777345	9190	protein coding	-1.29	8.70E-03	4.33E-02
ENSG00000234546	LINCTAM34A	1	9182004	9196284	14280	lncRNA	-1.29	2.83E-03	2.13E-02
ENSG00000281538	AC254562.3	22	42138060	42139726	1666	lncRNA	-1.29	4.85E-03	2.99E-02
ENSG00000091428	UAPCE4	2	172735274	173052893	317619	protein coding	-1.29	1.52E-04	3.29E-03
ENSG00000232725	US211.1	X	153735626	153766478	30852	lncRNA-antisense	-1.29	3.57E-03	2.47E-02
ENSG00000117525	F3	1	94529173	94541759	12586	protein coding	-1.29	1.52E-04	3.28E-03
ENSG00000187715	KBTBD12	3	127915232	127987671	72439	protein coding	-1.29	1.04E-03	1.13E-02
ENSG00000114757	PEX5L	3	179794958	180037053	242095	protein coding	-1.29	1.03E-03	1.12E-02
ENSG00000261456	TUBB8	10	46888	74163	27275	protein coding	-1.29	1.86E-03	1.51E-02
ENSG00000120440	TLL2	6	167325071	167359503	34432	protein coding	-1.29	9.23E-03	4.50E-02
ENSG00000178150	ZNF114	19	48270081	48287608	17527	protein coding	-1.29	5.84E-03	3.36E-02
ENSG00000279135	AL512652.2	13	20712431	20714146	1715	TEC	-1.29	7.64E-03	3.98E-02
ENSG00000229951	FLJ31356	2	28384409	28394672	10263	lncRNA-antisense	-1.29	1.22E-03	1.25E-02
ENSG00000163873	GRIK3	1	36795527	37034515	238988	protein coding	-1.29	4.16E-04	6.34E-03
ENSG00000286462	AC092850.2	12	131310045	131312811	2766	lncRNA	-1.29	2.30E-03	1.86E-02
ENSG00000229326	RPL17P15	2	119698623	119700151	1528	processed pseudogene	-1.29	7.93E-03	4.08E-02
ENSG00000204764	RANBP17	5	170861870	171300015	438145	protein coding	-1.29	5.96E-05	1.75E-03
ENSG00000224259	LINC01133	1	159958035	159984750	26715	lncRNA	-1.29	9.38E-03	4.54E-02
ENSG00000128052	KDR	4	55078481	55125595	47114	protein coding	-1.29	1.79E-04	3.66E-03
ENSG00000226759	DAB1-AS1	1	57860532	57880905	20373	lncRNA-antisense	-1.29	4.35E-03	2.79E-02
ENSG00000157103	SLCA1	3	10992186	11039247	47061	protein coding	-1.29	1.01E-04	2.54E-03
ENSG00000130032	PRRG3	X	151694607	151705924	11317	protein coding	-1.29	5.87E-04	7.94E-03
ENSG00000235271	Z97353.2	22	26903292	26920935	17643	lncRNA	-1.29	2.98E-03	2.20E-02
ENSG00000248724	NPHP3-AS1	3	132721750	132874223	152473	lncRNA-antisense	-1.29	2.70E-04	4.79E-03
ENSG00000174527	MYO1H	12	109347903	109455523	107620	protein coding	-1.29	2.32E-04	4.33E-03
ENSG00000183470	FLJ40288	7	132648794	132728769	79975	lncRNA	-1.29	7.55E-03	3.96E-02
ENSG00000183571	PGPEPL1	15	98968229	99007792	39563	protein coding	-1.30	3.30E-03	2.35E-02
ENSG00000203650	LINC01285	X	118839539	118919669	80130	lncRNA	-1.30	2.08E-03	1.75E-02
ENSG00000273540	AGBL1	15	86079973	87029052	949079	protein coding	-1.30	1.66E-04	3.48E-03
ENSG00000137872	SEMA6D	15	47184101	47774228	590127	protein coding	-1.30	1.16E-03	1.21E-02
ENSG00000129221	AIF1	17	6393693	6435199	41506	protein coding	-1.30	2.12E-03	1.77E-02
ENSG00000272274	LINC00551	13	106568261	106716679	148418	lncRNA	-1.30	1.32E-03	1.31E-02
ENSG00000128849	CNGL1	15	57375967	57550717	174750	protein coding	-1.30	2.58E-05	9.95E-04
ENSG00000089250	NOS1	12	117208142	117452170	244028	protein coding	-1.30	1.49E-04	3.25E-03
ENSG00000277399	GPR179	17	38324571	38343956	19385	protein coding	-1.30	2.60E-04	4.66E-03
ENSG00000232420	IL9RP2	10	80394	86265	5871	unprocessed pseudogene	-1.30	4.50E-03	2.86E-02
ENSG00000095981	KCNK16	6	39314698	39322968	8270	protein coding	-1.30	5.02E-03	3.05E-02
ENSG00000144191	CNGA3	2	98346188	98398601	52413	protein coding	-1.30	2.18E-03	1.80E-02
ENSG00000275016	AC015574.1	15	95638316	95826499	188183	lncRNA	-1.30	5.86E-04	7.93E-03
ENSG00000130829	DUSP9	X	153642492	153651326	8834	protein coding	-1.30	3.03E-03	2.22E-02
ENSG00000099869	IGF2-AS	11	2140501	2148666	8165	lncRNA-antisense	-1.30	2.01E-03	1.71E-02
ENSG00000284705	AL596257.1	1	36703953	36710582	6629	lncRNA	-1.30	2.14E-03	1.78E-02
ENSG00000234139	AL035420.1	20	36051491	36085703	34212	lncRNA	-1.30	1.58E-03	1.46E-02

ENSG0000163817	SLC6A20	3	45755449	45796536	41087	protein coding	-1.30	5.51E-05	1.67E-03
ENSG00000258702	AL137786.1	14	96592399	96605974	13575	lncRNA	-1.30	5.96E-04	8.01E-03
ENSG00000212710	CTAGE1	18	22413599	22417915	4316	protein coding	-1.30	3.04E-03	2.22E-02
ENSG00000157060	SHCBP1L	1	182899865	182953525	53660	protein coding	-1.30	7.09E-03	3.80E-02
ENSG0000018625	ATP1A2	1	160115759	160143591	27832	protein coding	-1.30	7.73E-04	9.39E-03
ENSG00000166257	SCN3B	11	123629187	123655244	26057	protein coding	-1.30	1.33E-04	3.02E-03
ENSG00000231703	AL354993.1	20	53397661	53412910	15249	lncRNA-antisense	-1.30	2.68E-03	2.05E-02
ENSG00000163075	CFAP221	2	119544432	119662251	117819	protein coding	-1.30	1.04E-03	1.13E-02
ENSG00000235012	JCADP1	21	39525583	39529855	4272	processed_pseudogene	-1.30	2.05E-03	1.73E-02
ENSG00000185518	SV2B	15	91099950	91302565	202615	protein coding	-1.30	2.23E-04	4.21E-03
ENSG00000112186	CAP2	6	17393505	17557790	164285	protein coding	-1.30	2.72E-03	2.07E-02
ENSG00000134873	CLDN10	13	95433604	95579759	146155	protein coding	-1.30	3.00E-03	2.21E-02
ENSG00000156486	KCNS2	8	98426958	98432853	5895	protein coding	-1.30	9.47E-04	1.06E-02
ENSG00000128254	C22orf24	22	31925519	31945518	19999	lncRNA	-1.30	2.08E-05	8.59E-04
ENSG00000137869	CYP19A1	15	51208057	51338601	130544	protein coding	-1.30	1.07E-03	1.15E-02
ENSG00000184012	TMPRSS2	21	41464300	41531116	66816	protein coding	-1.30	2.76E-04	4.86E-03
ENSG00000104413	ESRP1	8	94641074	94707466	66392	protein coding	-1.30	5.99E-04	8.04E-03
ENSG00000170091	NSG2	5	174045706	174243501	197795	protein coding	-1.30	1.99E-03	1.70E-02
ENSG00000255774	LINC02747	11	69475567	69481545	5978	lncRNA	-1.30	3.37E-03	2.38E-02
ENSG00000165566	AMER2	13	25161684	25172288	10604	protein coding	-1.30	1.55E-03	1.44E-02
ENSG00000249464	LINC01091	4	123539026	123962698	423672	lncRNA	-1.30	4.01E-04	6.20E-03
ENSG00000158816	VWA5B1	1	20290919	20354894	63975	protein coding	-1.30	9.32E-05	2.41E-03
ENSG00000154478	GPR26	10	123666355	123697399	31044	protein coding	-1.30	3.31E-04	5.50E-03
ENSG00000164695	CHMP4C	8	81732448	81759515	27067	protein coding	-1.30	3.57E-03	2.47E-02
ENSG00000237361	TUSC8	13	44400250	44405984	5734	lncRNA	-1.30	2.86E-03	2.14E-02
ENSG00000250974	LINC02196	5	6839460	7219291	379831	lncRNA	-1.30	4.81E-03	2.98E-02
ENSG00000154438	ASZ1	7	117363222	117428123	64901	protein coding	-1.30	7.66E-03	3.99E-02
ENSG00000261115	TMEM178B	7	141074064	141480380	406316	protein coding	-1.30	2.18E-05	8.88E-04
ENSG00000226757	PP12613	4	121764585	121766814	2229	lncRNA-antisense	-1.30	6.01E-03	3.42E-02
ENSG00000165837	ERIC6B	13	45534522	45615739	81217	protein coding	-1.30	1.57E-03	1.46E-02
ENSG00000279071	AC073592.3	12	124537844	124539677	1833	TEC	-1.30	1.76E-03	1.56E-02
ENSG00000148053	NTRK2	9	84668551	85027054	358503	protein coding	-1.30	1.72E-05	7.58E-04
ENSG00000226937	CEP164P1	10	45002222	45078066	73844	transcribed_processed_pseudogene	-1.30	1.44E-03	1.38E-02
ENSG00000170011	MYRIP	3	39808914	40260321	451407	protein coding	-1.30	5.34E-05	1.63E-03
ENSG00000166159	LRTM2	12	1820267	1836753	16486	protein coding	-1.31	1.06E-03	1.15E-02
ENSG00000137948	BRDT	1	91949371	92014426	65055	protein coding	-1.31	1.22E-03	1.25E-02
ENSG00000277270	AL160412.1	20	61432868	61437630	4762	lncRNA	-1.31	3.05E-03	2.23E-02
ENSG00000216921	FAM240C	2	241893988	241902551	8563	protein coding	-1.31	8.44E-03	4.26E-02
ENSG00000060642	TMEM98	17	32927910	32945106	17196	protein coding	-1.31	1.62E-04	3.44E-03
ENSG00000069431	ABCC9	12	21797401	21942529	145128	protein coding	-1.31	2.87E-04	4.97E-03
ENSG00000186369	LINC00643	14	62114353	62130962	16609	transcribed_unitary_pseudogene	-1.31	4.04E-03	2.68E-02
ENSG00000223573	TINCR	19	5558167	5578349	20182	protein coding	-1.31	5.91E-04	7.96E-03
ENSG00000141748	ARL5C	17	39156894	39167484	10590	protein coding	-1.31	6.20E-03	3.48E-02
ENSG00000179133	C10orf67	10	23202696	23344845	142149	protein coding	-1.31	2.52E-04	4.56E-03
ENSG00000165891	E2F7	12	77021248	77065569	44321	protein coding	-1.31	8.30E-05	2.25E-03
ENSG00000077279	DCX	X	111293779	111412429	118650	protein coding	-1.31	4.96E-04	7.07E-03
ENSG00000265485	LINC01915	18	24534551	24708542	173991	lncRNA	-1.31	1.86E-04	3.74E-03
ENSG00000230453	ANKRD18B	9	33524394	33573009	48615	protein coding	-1.31	9.27E-04	1.05E-02
ENSG00000224893	LINC02840	6	152754903	152875991	121088	lncRNA	-1.31	4.29E-03	2.78E-02
ENSG00000238290	AL034417.2	1	8026738	8122702	95964	lncRNA	-1.31	3.48E-03	2.43E-02
ENSG00000258609	LINC-ROR	18	57054558	57072119	17561	lncRNA	-1.31	6.05E-03	3.44E-02
ENSG00000166407	LMO1	11	8224309	8268716	44407	protein coding	-1.31	1.61E-03	1.48E-02
ENSG00000279017	AC098476.1	3	45749627	45750651	1024	TEC	-1.31	4.16E-03	2.72E-02
ENSG00000231898	MYO3B-AS1	2	170332085	170408564	76479	lncRNA-antisense	-1.31	5.12E-04	7.20E-03
ENSG00000007174	DNAH9	17	11598470	11969748	371278	protein coding	-1.31	3.58E-05	1.24E-03
ENSG00000233251	AC007743.1	2	56173534	56185870	12336	lncRNA-antisense	-1.31	8.31E-03	4.22E-02
ENSG00000264359	NEK4P2	17	16666107	16667118	1011	processed_pseudogene	-1.31	1.08E-02	4.98E-02
ENSG00000232825	AL445433.2	1	99004276	99244794	240518	lncRNA-antisense	-1.31	9.18E-03	4.49E-02
ENSG00000233421	LINC01783	1	16533886	16536172	2286	lncRNA	-1.31	7.96E-04	9.53E-03
ENSG00000205325	AC005863.1	17	14767583	14780686	13103	lncRNA	-1.31	9.92E-03	4.72E-02
ENSG00000241933	DENND6A-DT	3	57693205	57696596	3391	lncRNA	-1.31	8.35E-03	4.23E-02
ENSG00000198691	ABCA4	1	93992834	94121148	128314	protein coding	-1.31	3.76E-04	5.96E-03
ENSG00000283095	FP565171.1	10	131891640	131895297	3657	lncRNA	-1.31	8.00E-03	4.36E-02
ENSG00000221977	OR4E2	14	21653835	21667642	13807	protein coding	-1.31	7.38E-03	3.90E-02
ENSG00000142621	FHAD1	1	15247272	15400283	153011	protein coding	-1.31	2.02E-08	4.47E-06
ENSG00000152527	PLEKH2	2	43637260	43767987	130727	protein coding	-1.31	1.72E-06	1.44E-04
ENSG00000126856	PRDM7	16	90056566	90092072	35506	protein coding	-1.31	6.83E-03	3.71E-02
ENSG00000174667	ORD74	19	9210276	9219589	9313	protein coding	-1.31	8.88E-03	4.39E-02
ENSG00000133863	TEX15	8	30831544	30913008	81464	protein coding	-1.31	3.81E-03	2.58E-02
ENSG00000233395	LINC00841	10	43909244	43981102	71858	lncRNA	-1.31	9.31E-04	9.78E-03
ENSG00000227906	SNAP25-AS1	20	10006381	10368776	362395	lncRNA-antisense	-1.32	2.17E-04	4.12E-03
ENSG00000196341	OR8D1	11	124302831	124315099	12268	protein coding	-1.32	5.02E-03	3.05E-02
ENSG00000247809	NR2F2-AS1	15	96110040	96327361	217321	lncRNA-antisense	-1.32	4.42E-05	1.43E-03
ENSG00000224310	LINC01567	16	24661422	24671062	9640	lncRNA	-1.32	7.88E-03	4.07E-02
ENSG00000260664	AC004158.1	16	72425948	72533892	107944	lncRNA	-1.32	6.43E-03	3.57E-02
ENSG00000286572	AL592146.2	1	204064533	204073965	9432	lncRNA	-1.32	2.96E-03	2.19E-02
ENSG00000257178	AC103702.1	17	48579630	48582259	2629	lncRNA-sense intronic	-1.32	2.32E-03	1.87E-02
ENSG00000106125	MINDY4	7	30771417	30892387	120970	protein coding	-1.32	1.50E-03	1.41E-02
ENSG00000222806	RNA5SP225	6	153420438	153420572	134	rRNA_pseudogene	-1.32	8.59E-04	9.98E-03
ENSG00000135931	ARMC9	2	231198546	231376848	178302	protein coding	-1.32	8.11E-06	4.42E-04
ENSG00000267252	LINC01255	18	11486205	11523807	36882	lncRNA	-1.32	5.08E-04	7.17E-03
ENSG00000182704	TSKU	11	76782251	76798153	15902	protein coding	-1.32	4.30E-04	6.47E-03
ENSG00000261959	AC015909.3	17	50163523	50165316	1793	lncRNA-antisense	-1.32	6.11E-03	3.45E-02
ENSG00000260337	AC091544.4	15	92592574	92596462	3888	lncRNA	-1.32	3.31E-03	2.35E-02
ENSG00000230079	STK24P1	X	136295690	136300298	4608	processed_pseudogene	-1.32	5.04E-03	3.06E-02
ENSG00000237588	AL590666.3	1	156687695	156691997	4302	lncRNA	-1.32	4.31E-03	2.78E-02
ENSG00000282556	AC068733.3	11	6319140	6360454	41314	lncRNA	-1.32	4.85E-04	6.98E-03
ENSG00000153292	ADGRF1	6	46997708	47042350	44642	protein coding	-1.32	5.69E-04	7.78E-03
ENSG00000184845	DRD1	5	175440036	175444182	4146	protein coding	-1.32	9.85E-03	4.70E-02
ENSG00000177414	UBE2U	1	64203627	64267368	63741	protein coding	-1.32	6.90E-03	3.74E-02

ENSG00000258583	LINC01500	14	58646631	59184247	537616	lncRNA	-1.32	1.63E-04	3.45E-03
ENSG00000241352	AC007688.2	12	12850982	12851740	758	processed_pseudogene	-1.32	6.19E-03	3.48E-02
ENSG00000243295	AC128121.3	3	59050164	59754808	704644	lncRNA	-1.32	4.08E-03	2.69E-02
ENSG00000186442	KRT3	12	52789685	52796117	6432	protein coding	-1.32	3.76E-03	2.56E-02
ENSG00000234899	SOX9-AS1	17	72067099	72237203	170104	lncRNA	-1.32	2.67E-05	1.02E-03
ENSG00000261239	ANKRD26P1	16	46469341	46569097	99756	transcribed_unprocessed_pseudogene	-1.32	1.38E-03	1.34E-02
ENSG00000279388	AC073578.3	12	131478844	131483034	4190	TEC	-1.32	2.90E-03	2.16E-02
ENSG00000227036	LINC00511	17	72290091	72640472	350381	lncRNA	-1.32	1.46E-08	3.34E-06
ENSG00000263142	LRRRC37A17P	17	46978481	47054569	76088	transcribed_unprocessed_pseudogene	-1.32	4.84E-06	3.04E-04
ENSG00000279539	AC006486.2	19	42242775	42244973	2198	TEC	-1.32	4.56E-03	2.88E-02
ENSG00000226496	LINC00323	21	41141493	41148198	6705	lncRNA-antisense	-1.32	1.36E-03	1.34E-02
ENSG00000273032	DGCR5	22	18970439	19031242	60803	lncRNA	-1.32	1.76E-05	7.73E-04
ENSG00000165325	DEUP1	11	93329971	93438487	108516	protein coding	-1.32	4.30E-03	2.78E-02
ENSG00000280109	PLAC4	21	41175231	41186788	11557	lncRNA-antisense	-1.32	3.57E-05	1.24E-03
ENSG00000245248	USP2-AS1	11	119364359	119526664	162305	lncRNA-antisense	-1.32	3.95E-04	6.15E-03
ENSG00000186523	FAM86B1	8	12182096	12194133	12037	protein coding	-1.32	1.13E-03	1.19E-02
ENSG00000185294	SPPL2C	17	45844881	45847067	2186	protein coding	-1.32	4.01E-03	2.67E-02
ENSG00000166573	GALR1	18	77249848	77277900	28052	protein coding	-1.32	1.58E-03	1.46E-02
ENSG00000163631	ALB	4	73397114	73421482	24368	protein coding	-1.32	3.69E-03	2.52E-02
ENSG00000121905	HPCA	1	32885994	32898441	12447	protein coding	-1.32	4.02E-03	2.67E-02
ENSG00000253767	PCDHGA8	5	141390157	141512979	122822	protein coding	-1.32	4.93E-04	7.05E-03
ENSG00000214796	TUBA5P	1	202851828	202861620	9792	transcribed_unprocessed_pseudogene	-1.32	4.55E-03	2.88E-02
ENSG00000214650	AC073592.1	12	124513222	124516798	3576	lncRNA	-1.32	7.38E-03	3.90E-02
ENSG00000196460	RFX8	2	101397359	101475112	77753	protein coding	-1.32	3.87E-04	6.08E-03
ENSG00000138207	RBP4	10	93591687	93601744	10057	protein coding	-1.32	4.51E-03	2.86E-02
ENSG00000272595	OR10AH1P	7	5103719	5120245	16526	transcribed_unprocessed_pseudogene	-1.32	1.05E-03	1.13E-02
ENSG00000476717	ANO2	12	5531869	5946232	414363	protein coding	-1.32	1.84E-04	3.72E-03
ENSG00000181333	HEPHL1	11	94021354	94114208	92854	protein coding	-1.32	3.37E-04	5.57E-03
ENSG00000162267	ITIH3	3	52794768	52809009	14241	protein coding	-1.32	4.55E-04	6.70E-03
ENSG00000260190	AL087752.5	9	136937169	136937988	819	lncRNA-sense overlapping	-1.32	3.05E-03	2.23E-02
ENSG00000275591	XKR5	8	6808517	6835524	27007	protein coding	-1.32	6.80E-04	8.69E-03
ENSG00000073670	ADAM11	17	44758988	44781846	22858	protein coding	-1.32	7.88E-06	4.35E-04
ENSG00000231863	AL139393.1	6	160931080	160985624	54544	lncRNA-antisense	-1.32	2.02E-03	1.72E-02
ENSG00000228412	LNC-LBCS	6	19323428	19839080	515652	lncRNA-antisense	-1.32	4.21E-04	6.39E-03
ENSG00000173908	KRT28	17	40792196	40799959	7763	protein coding	-1.32	6.03E-03	3.43E-02
ENSG00000236467	KCNMA1-AS1	10	76888044	76980624	92580	lncRNA-antisense	-1.32	4.58E-04	6.73E-03
ENSG00000239445	ST3GAL6-AS1	3	98706236	98732757	26521	lncRNA-antisense	-1.32	4.11E-04	6.31E-03
ENSG00000214611	CYP3A43	7	99828013	99866102	38089	protein coding	-1.32	6.46E-03	3.58E-02
ENSG00000203392	AC105020.1	15	75678548	75680752	2204	lncRNA-antisense	-1.32	1.56E-04	3.35E-03
ENSG00000243024	AC012158.1	12	64222337	64397065	174728	transcribed_processed_pseudogene	-1.32	7.04E-03	3.78E-02
ENSG00000142698	C1orf94	1	34166883	34219131	52248	protein coding	-1.32	1.42E-03	1.37E-02
ENSG00000184022	OR2T10	1	248590487	248597700	7213	protein coding	-1.32	8.75E-03	4.35E-02
ENSG00000165164	CFAP47	X	35919734	36385317	465583	protein coding	-1.32	1.52E-03	1.43E-02
ENSG00000259921	AC022819.1	15	99157231	99161140	3909	lncRNA-sense intronic	-1.32	2.35E-03	1.88E-02
ENSG00000173809	TDRD12	19	32719753	32829580	109827	protein coding	-1.32	8.87E-07	8.84E-05
ENSG00000259374	NDUFB4P11	14	103139675	103141959	2284	transcribed_processed_pseudogene	-1.32	3.57E-03	2.47E-02
ENSG00000197408	CYP2B6	19	40991282	41018398	27116	protein coding	-1.32	9.00E-03	4.42E-02
ENSG00000117215	PLA2G2D	1	20111939	20119566	7627	protein coding	-1.32	2.32E-04	4.32E-03
ENSG00000175147	TMEM51-AS1	1	15111815	15153618	41803	lncRNA-antisense	-1.32	5.66E-05	1.69E-03
ENSG00000075429	CACNG5	17	66835117	66894751	59634	protein coding	-1.32	3.63E-04	5.83E-03
ENSG00000245614	DX11-AS1	12	31019434	31073847	54413	lncRNA-antisense	-1.32	4.23E-04	6.40E-03
ENSG00000184937	WT1	11	32387775	32435564	47789	protein coding	-1.32	6.49E-05	1.85E-03
ENSG00000259426	AC02737.3	15	69396904	69415029	18125	lncRNA-antisense	-1.32	2.28E-03	1.85E-02
ENSG00000137809	ITGA11	15	68296532	68432163	135631	protein coding	-1.32	1.34E-05	6.33E-04
ENSG00000242686	PDE6B-AS1	4	652850	656213	3363	lncRNA-antisense	-1.32	3.37E-04	5.57E-03
ENSG00000268926	AL354861.3	9	95772323	95776282	3959	lncRNA	-1.32	4.23E-03	2.75E-02
ENSG00000129596	CDO1	5	115804733	115816659	11926	protein coding	-1.32	9.94E-03	4.72E-02
ENSG00000167798	C3P1	19	10037803	10074135	36332	transcribed_unprocessed_pseudogene	-1.32	5.87E-04	7.93E-03
ENSG00000264424	MYH4	17	10443290	10469559	26269	protein coding	-1.32	1.06E-04	2.62E-03
ENSG00000287600	AC122719.3	5	904319	912587	8268	lncRNA	-1.32	2.86E-03	2.14E-02
ENSG00000285527	AC136285.3	16	87129857	87133107	3250	lncRNA	-1.32	2.22E-03	1.82E-02
ENSG00000241449	AC092666.1	7	150033653	150076655	43002	lncRNA	-1.32	1.84E-04	3.72E-03
ENSG00000171772	SYCE1	10	133553901	133569835	15934	protein coding	-1.32	3.55E-05	1.23E-03
ENSG00000227237	AL672291.1	1	248859164	248864796	5632	lncRNA-antisense	-1.32	2.34E-03	1.88E-02
ENSG00000288531	AL669831.7	1	860226	868202	7976	lncRNA	-1.32	1.88E-04	3.76E-03
ENSG00000260034	LCMT1-AS2	16	25140577	25149032	8455	lncRNA-antisense	-1.32	1.87E-04	3.75E-03
ENSG00000109576	AADAT	4	170060222	170091699	31477	protein coding	-1.32	3.20E-03	2.30E-02
ENSG00000287759	AL353151.2	9	4741741	4759639	17898	lncRNA	-1.32	2.90E-03	2.16E-02
ENSG00000123901	GPR83	11	94377316	94401419	24103	protein coding	-1.32	2.15E-04	4.10E-03
ENSG00000158315	RHBDL2	1	38885807	38941830	56023	protein coding	-1.32	4.46E-03	2.84E-02
ENSG00000101871	MID1	X	10445310	10833654	388344	protein coding	-1.32	7.81E-05	2.14E-03
ENSG00000114638	UPK1B	3	119173517	119205143	31626	protein coding	-1.32	1.44E-03	1.38E-02
ENSG00000100234	TIMP3	22	32801705	32863041	61336	protein coding	-1.32	3.34E-04	5.54E-03
ENSG00000255484	LINC02764	11	112534220	112555802	21582	lncRNA	-1.32	3.96E-03	2.65E-02
ENSG00000164556	FAM183BP	7	38685346	38687037	1691	processed_pseudogene	-1.32	1.15E-03	1.21E-02
ENSG00000196972	SMIM10L2B	X	135094985	135098712	3727	protein coding	-1.32	9.61E-03	4.62E-02
ENSG00000165695	AK8	9	132725578	132878777	153199	protein coding	-1.32	2.58E-05	9.95E-04
ENSG00000284676	AL645944.2	1	29755175	29790597	35422	lncRNA	-1.32	6.89E-03	3.73E-02
ENSG00000137142	IGFBPL1	9	38406528	38424454	17926	protein coding	-1.32	1.38E-03	1.34E-02
ENSG00000170500	LONRF2	2	100271875	100322501	50626	protein coding	-1.32	2.91E-05	1.07E-03
ENSG00000270533	CR382285.1	21	9975017	10119309	144292	transcribed_processed_pseudogene	-1.32	3.00E-03	2.21E-02
ENSG00000186526	CYP4F8	19	15615218	15630639	15421	protein coding	-1.32	4.03E-04	6.24E-03
ENSG00000170827	CELP	9	133079900	133087355	7455	transcribed_unprocessed_pseudogene	-1.32	2.46E-03	1.94E-02
ENSG00000284656	AL645937.4	6	29162475	29166201	3726	lncRNA	-1.32	1.06E-02	4.92E-02
ENSG00000163982	OTOP1	4	4188726	4226929	38203	protein coding	-1.32	1.77E-03	1.57E-02
ENSG00000233217	MROH3P	1	200917460	20096668	49208	transcribed_unitary_pseudogene	-1.32	9.34E-04	1.05E-02
ENSG00000260102	LINC01070	13	112197350	112201000	3650	lncRNA	-1.32	6.86E-04	1.01E-02
ENSG00000129451	KLK10	19	51012739	51020175	7436	protein coding	-1.32	8.28E-04	9.77E-03
ENSG00000286156	AC028273.1	2	94195806	94208379	12573	transcribed_unprocessed_pseudogene	-1.32	2.47E-03	1.94E-02
ENSG00000259422	AC091100.1	15	76174891	76181486	6595	lncRNA-antisense	-1.32	1.13E-03	1.19E-02

ENSG00000259156	CHEK2P2	15	20282744	20291586	8842	transcribed_unprocessed_pseudogen	-1.34	3.85E-03	2.60E-02
ENSG00000260518	BMS1P8	16	33687025	33707213	20188	transcribed_unprocessed_pseudogen	-1.34	4.61E-03	2.90E-02
ENSG00000157219	HTR5A	7	155070324	155087392	17068	protein coding	-1.34	3.90E-03	2.62E-02
ENSG00000183840	GPR39	2	132416805	132646582	229777	protein coding	-1.34	5.28E-04	7.39E-03
ENSG00000234810	AL603840.1	1	55329288	56070513	741225	lncRNA	-1.34	1.11E-04	2.70E-03
ENSG00000125409	TEKT3	17	15303811	15341632	37821	protein coding	-1.34	1.49E-03	1.41E-02
ENSG00000172519	OR10H5	19	15787661	15801025	13364	protein coding	-1.34	3.04E-03	2.23E-02
ENSG00000183921	SDR42E2	16	22165583	22191754	26171	protein coding	-1.34	4.88E-04	7.00E-03
ENSG00000249326	CTD-2194D22.4	5	1887332	1900493	13161	lncRNA-antisense	-1.34	5.49E-03	3.22E-02
ENSG00000254656	RTL1	14	100879753	100903722	23969	protein coding	-1.34	2.44E-04	4.46E-03
ENSG00000197653	DNAH10	12	123762188	123935720	173532	protein coding	-1.34	3.17E-08	6.36E-06
ENSG00000077943	ITGA8	10	15513954	15719922	205968	protein coding	-1.34	1.04E-04	2.59E-03
ENSG00000125414	MYH2	17	10521148	10549700	28552	protein coding	-1.34	2.45E-03	1.93E-02
ENSG00000253267	DLGAP2-AS1	8	1565509	1622417	56908	lncRNA-antisense	-1.34	4.97E-03	3.03E-02
ENSG00000150510	FAM124A	13	51222334	51284239	61905	protein coding	-1.34	2.09E-05	8.61E-04
ENSG00000179008	C14orf39	14	60396469	60515543	119074	protein coding	-1.34	1.03E-02	4.83E-02
ENSG00000244593	AC025062.1	8	18383274	18383917	643	processed_pseudogene	-1.34	1.18E-03	1.22E-02
ENSG00000122133	PAEP	9	135561756	135566955	5199	protein coding	-1.34	9.17E-04	1.04E-02
ENSG00000187672	ERC2	3	55508311	56486467	960156	protein coding	-1.34	8.27E-05	2.24E-03
ENSG00000248896	AC105001.1	8	10729314	10772910	43596	lncRNA-antisense	-1.34	3.53E-03	2.45E-02
ENSG00000124557	BTN1A1	6	26501221	26510422	9201	protein coding	-1.34	1.05E-03	1.14E-02
ENSG00000112494	UNC93A	6	167271169	167316014	44845	protein coding	-1.34	2.71E-03	2.07E-02
ENSG00000105388	CEACAM5	19	41708585	41730433	21848	protein coding	-1.34	3.90E-03	2.62E-02
ENSG00000102468	HTR2A	13	46831546	46897076	65530	protein coding	-1.34	4.78E-03	2.89E-02
ENSG00000224973	LARGE-AS1	22	33725007	33750843	25836	lncRNA	-1.34	1.49E-03	1.41E-02
ENSG00000287630	AC011370.1	5	147725551	147728464	2913	lncRNA	-1.34	6.56E-03	3.61E-02
ENSG00000117501	MROH9	1	170935471	171064765	129294	protein coding	-1.34	4.86E-03	2.99E-02
ENSG00000170748	RBMXL2	11	7088898	7091148	2150	protein coding	-1.34	6.30E-03	3.52E-02
ENSG00000287463	AC110620.2	2	134718188	134725474	7286	lncRNA	-1.34	1.98E-03	1.69E-02
ENSG00000224167	LINC01357	1	112849821	112877871	28050	lncRNA	-1.34	8.87E-03	4.39E-02
ENSG00000204179	PTPN20	10	46911396	47002488	91092	protein coding	-1.34	3.80E-03	2.57E-02
ENSG00000185739	SRL	16	4189374	4242080	52706	protein coding	-1.34	4.38E-04	6.53E-03
ENSG00000259234	ANKRD34C-AS1	15	79141939	79283949	142010	lncRNA	-1.34	6.86E-04	8.74E-03
ENSG00000267280	TBX2-AS1	17	61393456	61411555	18099	lncRNA-antisense	-1.34	4.99E-03	3.04E-02
ENSG00000240023	AL13163.1	14	35388121	35389069	948	processed_pseudogene	-1.34	6.02E-03	3.42E-02
ENSG00000160886	LY6K	8	142700111	142705127	5016	protein coding	-1.34	4.24E-03	2.75E-02
ENSG00000185842	DNAH14	1	224896262	225399292	503030	protein coding	-1.34	1.24E-07	1.86E-05
ENSG00000274565	AC080038.1	17	62626437	62627590	1153	lncRNA-antisense	-1.34	9.80E-03	4.68E-02
ENSG00000281641	SAMD12-AS1	8	118620498	118906155	285657	lncRNA	-1.34	9.02E-03	4.43E-02
ENSG00000235189	AL034405.1	X	129869064	129957528	88464	lncRNA-antisense	-1.34	7.54E-03	3.95E-02
ENSG00000131386	GALNT15	3	16174680	16231982	57312	protein coding	-1.34	1.59E-03	1.47E-02
ENSG00000286232	AL365229.1	20	61267525	61271827	4302	lncRNA	-1.34	1.07E-03	1.15E-02
ENSG00000234394	AL353608.3	9	68306528	68330626	24098	lncRNA	-1.35	4.05E-03	2.68E-02
ENSG00000120820	GLT1D2	12	103988984	104064183	75199	protein coding	-1.35	3.47E-03	2.42E-02
ENSG00000286837	AC087533.1	8	42842989	42844876	1887	lncRNA	-1.35	1.74E-03	1.55E-02
ENSG00000178084	HTR3C	3	184053047	184060673	7626	protein coding	-1.35	8.67E-03	4.32E-02
ENSG00000260876	LINC01229	16	79676048	79809716	133668	lncRNA	-1.35	3.90E-05	1.31E-03
ENSG00000214691	LINC01913	2	41860155	41894050	33895	lncRNA	-1.35	4.01E-03	2.67E-02
ENSG00000205856	C22orf42	22	32149006	32159322	10316	protein coding	-1.35	9.57E-03	4.61E-02
ENSG00000146857	STRA8	7	135231979	135258492	26513	protein coding	-1.35	4.07E-03	2.69E-02
ENSG00000231817	LINC01198	13	46455131	46515958	60827	lncRNA	-1.35	1.18E-03	1.22E-02
ENSG00000228793	AL033523.1	6	3585101	3720081	134980	lncRNA	-1.35	1.86E-05	8.05E-04
ENSG00000235726	AC010148.1	2	234803808	234913384	109576	lncRNA	-1.35	3.87E-04	6.08E-03
ENSG00000119715	ESRRB	14	76310712	76501837	191125	protein coding	-1.35	7.27E-04	9.02E-03
ENSG00000258502	LINC02290	14	66111557	66131716	20159	lncRNA	-1.35	2.41E-03	1.91E-02
ENSG00000124721	DNAH8	6	38715311	39030792	315481	protein coding	-1.35	2.36E-06	1.80E-04
ENSG00000095777	MYO3A	10	25934229	26212532	278303	protein coding	-1.35	2.42E-05	9.53E-04
ENSG00000205266	KRT17P5	17	18415728	18425097	9369	transcribed_unprocessed_pseudogen	-1.35	5.81E-03	3.35E-02
ENSG00000156218	ADAMTSL3	15	83654088	84039842	385754	protein coding	-1.35	4.12E-06	2.68E-04
ENSG00000224728	IMPDH1P8	3	15878047	15879571	1524	processed_pseudogene	-1.35	9.46E-04	1.06E-02
ENSG00000256340	ABCC6P1	16	18571162	18598328	27166	transcribed_unprocessed_pseudogen	-1.35	6.56E-04	8.50E-03
ENSG00000215262	KCNU1	8	36784324	36936125	151801	protein coding	-1.35	8.83E-03	4.37E-02
ENSG00000138315	QIT3	10	72893584	72933036	39452	protein coding	-1.35	1.43E-03	1.38E-02
ENSG00000276715	YWHAEP7	17	37828305	37884743	56438	transcribed_unprocessed_pseudogen	-1.35	1.70E-03	1.53E-02
ENSG00000204706	MAMDC2-AS1	9	70033921	70175888	141967	lncRNA-antisense	-1.35	3.04E-05	1.11E-03
ENSG00000106025	TPSPAN12	7	120787320	120858402	71082	protein coding	-1.35	2.89E-03	2.15E-02
ENSG00000224184	MIR3681HG	2	11833926	12702913	868987	lncRNA	-1.35	1.46E-04	3.21E-03
ENSG00000205129	C4orf47	4	185426249	185449826	23577	protein coding	-1.35	6.30E-03	3.52E-02
ENSG00000202357	Y RNA	19	11408772	11408880	108	misc RNA	-1.35	3.60E-06	2.45E-04
ENSG00000286125	AC006115.2	19	56669941	56823395	153454	lncRNA	-1.35	3.18E-06	2.26E-04
ENSG00000101327	PDYN	20	1978757	1994285	15528	protein coding	-1.35	7.20E-03	3.84E-02
ENSG00000146276	GABRR1	6	89177504	89231278	53774	protein coding	-1.35	7.44E-03	3.92E-02
ENSG00000102290	PCDH11X	X	91779261	92623230	843969	protein coding	-1.35	1.68E-03	1.52E-02
ENSG00000286457	AC009560.3	15	60634503	60640915	6412	lncRNA	-1.35	1.01E-02	4.77E-02
ENSG00000164007	CLDN19	1	42733093	42740254	7161	protein coding	-1.35	1.60E-03	1.47E-02
ENSG00000158258	CLSTN2	3	139935185	140577397	642212	protein coding	-1.35	5.08E-05	1.58E-03
ENSG00000042304	C2orf83	2	227610090	227648606	38516	protein coding	-1.35	1.04E-02	4.87E-02
ENSG00000230317	LINC01284	X	51095836	51224432	128596	lncRNA	-1.35	3.69E-07	4.48E-05
ENSG00000140459	CYP11A1	15	74337759	74367646	29887	protein coding	-1.35	2.51E-04	4.55E-03
ENSG00000224272	AC131097.2	2	241808312	241812016	3704	lncRNA-antisense	-1.35	1.97E-03	1.69E-02
ENSG00000286063	AL121888.1	20	48324812	48367976	43164	lncRNA	-1.35	6.92E-04	8.78E-03
ENSG00000205634	LINC00898	22	47612231	47631569	19338	lncRNA	-1.35	7.12E-04	8.90E-03
ENSG00000258785	LINC01580	15	93894431	93984150	89719	lncRNA	-1.35	1.56E-04	3.35E-03
ENSG00000133454	MYO18B	22	25742144	26031045	288901	protein coding	-1.35	1.50E-05	6.84E-04
ENSG00000165633	VSTM4	10	49014236	49115522	101286	protein coding	-1.35	5.55E-04	7.66E-03
ENSG00000126878	AIF1L	9	131096476	131123152	26676	protein coding	-1.35	3.28E-04	5.44E-03
ENSG00000259669	AC084759.2	15	53946709	53984010	37301	lncRNA	-1.35	5.25E-03	3.14E-02
ENSG00000137860	SLC28A2	15	45252234	45277846	25612	protein coding	-1.35	4.48E-04	6.62E-03
ENSG00000235731	LINC02250	15	25456271	25578813	122542	lncRNA	-1.35	4.33E-04	6.49E-03
ENSG00000250634	LINC01182	4	13654374	14003756	349382	lncRNA	-1.36	1.58E-04	3.37E-03

ENSG00000101349	PAK5	20	9537370	9839076	301706	protein coding	-1.36	6.46E-03	3.58E-02
ENSG00000273372	SFTPD-AS1	10	79968213	79973213	5000	lncRNA-antisense	-1.36	7.19E-03	3.84E-02
ENSG00000179314	WSDC1	17	6057807	6124427	66620	protein coding	-1.36	1.35E-04	3.05E-03
ENSG00000203908	KHDC3L	6	73362658	73364171	1513	protein coding	-1.36	7.96E-03	4.09E-02
ENSG00000188000	ORD2D	19	9178979	9188818	9839	protein coding	-1.36	7.38E-03	3.90E-02
ENSG00000284744	AL591163.1	1	6767954	6770038	2084	lncRNA	-1.36	3.01E-03	2.21E-02
ENSG00000196979	GPRACR	9	130140610	130144219	3609	lncRNA	-1.36	4.96E-03	3.03E-02
ENSG00000203805	PLPP4	10	120457227	120592065	134838	protein coding	-1.36	2.70E-03	2.06E-02
ENSG00000188558	OR2G6	1	248508073	248527337	19264	protein coding	-1.36	5.69E-03	3.30E-02
ENSG00000108381	ASPA	17	3472374	3503405	31031	protein coding	-1.36	5.88E-03	3.37E-02
ENSG00000232294	AL031674.1	20	52671735	52699472	27737	lncRNA	-1.36	7.51E-03	3.94E-02
ENSG00000178796	RIAD1	1	151710433	151729805	19372	protein coding	-1.36	4.33E-03	2.79E-02
ENSG00000134569	LRP4	11	46856717	46918642	61925	protein coding	-1.36	5.11E-05	1.58E-03
ENSG00000233183	AL138889.1	6	33891327	33927631	36304	lncRNA	-1.36	7.84E-05	2.15E-03
ENSG00000056998	GYG2	X	2828822	2882820	53998	protein coding	-1.36	3.55E-03	2.46E-02
ENSG00000232759	AC002480.1	7	22563337	22573996	10659	lncRNA-antisense	-1.36	2.23E-03	1.82E-02
ENSG00000254519	AC044839.1	11	45722279	45748029	25750	lncRNA	-1.36	1.75E-04	3.62E-03
ENSG00000140285	FGF7	15	49423237	49488775	65538	protein coding	-1.36	1.93E-03	1.67E-02
ENSG00000257762	LINC02401	12	103547751	103578947	31196	lncRNA	-1.36	9.96E-03	4.73E-02
ENSG00000197125	ORBB8	11	124437445	124445696	8251	protein coding	-1.36	2.09E-03	1.75E-02
ENSG00000164049	FBXW12	3	48372219	48401259	29040	protein coding	-1.36	5.49E-03	3.22E-02
ENSG00000224795	NTM-AS1	11	131622451	131663583	41132	lncRNA	-1.36	5.91E-03	3.38E-02
ENSG00000100170	SLSA1	22	32043261	32113029	69768	protein coding	-1.36	6.00E-04	8.05E-03
ENSG00000169208	OR10G3	14	21568520	21580076	11556	protein coding	-1.36	6.38E-03	3.55E-02
ENSG00000162598	C1orf87	1	59987269	60073770	86501	protein coding	-1.36	1.20E-03	1.24E-02
ENSG00000163810	TGM4	3	44874608	44914990	40382	protein coding	-1.36	2.60E-04	4.67E-03
ENSG00000286117	AL121894.3	20	23656151	23674888	18737	lncRNA	-1.36	3.30E-03	2.35E-02
ENSG00000130540	SULT14A1	22	43824509	43862513	38004	protein coding	-1.36	7.57E-04	9.26E-03
ENSG00000267199	AP01029.2	18	12438890	12448205	9315	lncRNA-antisense	-1.36	9.01E-04	1.03E-02
ENSG00000171388	APLN	X	129645259	129654956	9697	protein coding	-1.36	2.24E-03	1.83E-02
ENSG00000158055	GRHL3	1	24319357	24364482	45125	protein coding	-1.36	1.48E-03	1.41E-02
ENSG00000118271	TTR	18	31557009	31598833	41824	protein coding	-1.36	7.42E-03	3.91E-02
ENSG00000287859	AC008507.4	19	30058229	30060797	2568	lncRNA	-1.36	1.10E-04	2.68E-03
ENSG00000265843	LINC01029	18	77970637	77993731	23094	lncRNA	-1.36	1.05E-02	4.91E-02
ENSG00000170485	NPAS2	2	100820139	100896829	176890	protein coding	-1.36	6.66E-09	1.76E-06
ENSG00000205562	AL049775.1	14	85518871	85531585	12714	lncRNA	-1.36	2.97E-03	2.19E-02
ENSG00000181126	HLA-V	6	29790954	29797811	6857	transcribed_unprocessed_pseudogene	-1.36	4.50E-05	1.45E-03
ENSG00000149488	TMC2	20	2536607	2641784	105177	protein coding	-1.36	1.02E-04	2.56E-03
ENSG00000137090	DMRT1	9	841690	969090	127400	protein coding	-1.36	3.95E-04	6.15E-03
ENSG00000229563	LINC01204	X	45505388	45632121	126733	lncRNA	-1.36	2.19E-04	4.15E-03
ENSG00000230483	AC124057.1	11	2404515	2407908	3393	lncRNA-antisense	-1.36	8.40E-03	4.24E-02
ENSG00000188316	ENO4	10	116849499	116911788	62289	protein coding	-1.36	1.28E-03	1.28E-02
ENSG00000131914	LIN28A	1	26410817	26429728	18911	protein coding	-1.36	1.09E-02	4.98E-02
ENSG00000225321	LINC01427	20	22263065	22284029	20964	lncRNA	-1.36	9.65E-04	1.08E-02
ENSG00000281732	Z84468.1	22	48538900	48547387	8487	lncRNA	-1.36	4.21E-04	6.39E-03
ENSG00000285300	AC073176.2	10	70927055	71077810	150755	lncRNA	-1.36	1.16E-03	1.21E-02
ENSG00000279273	AC120024.4	17	80463451	80465593	2142	TEC	-1.36	1.04E-02	4.87E-02
ENSG00000286627	AP005900.1	18	8012257	8016565	4308	lncRNA	-1.36	7.93E-03	4.08E-02
ENSG00000267670	AC022098.2	19	14030855	14031557	702	lncRNA-antisense	-1.36	1.50E-03	1.41E-02
ENSG00000233304	LINC01346	1	3940486	3955262	14776	lncRNA	-1.36	4.65E-04	6.79E-03
ENSG00000186976	EFCAB6	22	43528744	43812337	283593	protein coding	-1.36	1.43E-05	6.66E-04
ENSG00000187048	CYP4A11	1	46929177	46941484	12307	protein coding	-1.36	7.48E-04	9.18E-03
ENSG00000227620	ALG18P	11	67785273	67792335	7062	unprocessed_pseudogene	-1.36	5.46E-03	3.21E-02
ENSG00000185247	MAGEFA1	X	149688228	149717268	29040	protein coding	-1.36	6.15E-03	3.47E-02
ENSG00000287306	AC016821.1	10	69510166	69544257	34091	lncRNA	-1.36	1.77E-03	1.57E-02
ENSG00000039139	DNAH5	5	13690331	13944543	254212	protein coding	-1.36	2.09E-05	8.61E-04
ENSG00000254092	AC021613.1	8	20942863	21298168	355305	lncRNA	-1.36	1.32E-05	6.26E-04
ENSG00000186191	BPIFB4	20	33079644	33111751	32107	protein coding	-1.36	9.05E-04	1.03E-02
ENSG00000197322	C17orf102	17	34574123	34579369	5246	lncRNA-bidirectional_promoter	-1.36	9.07E-03	4.45E-02
ENSG00000007171	NOS2	17	27756766	27800529	43763	protein coding	-1.36	6.78E-04	8.68E-03
ENSG00000237720	AC011995.2	2	2707368	2840512	133144	lncRNA	-1.36	2.04E-04	3.96E-03
ENSG00000174740	PABPC5	X	91434595	91438584	3989	protein coding	-1.36	1.03E-02	4.83E-02
ENSG00000121335	PRB2	12	11391540	11501041	109501	protein coding	-1.37	4.60E-03	2.90E-02
ENSG00000244301	AOX3P	2	200678233	200734109	55876	transcribed_unprocessed_pseudogene	-1.37	2.56E-03	1.99E-02
ENSG00000286418	AC018716.2	11	45397590	45412745	15155	lncRNA	-1.37	8.36E-03	4.23E-02
ENSG00000186723	OR10H1	19	15804549	15815664	11115	protein coding	-1.37	5.89E-03	3.38E-02
ENSG00000287279	AL121932.2	6	28634861	28649538	14677	lncRNA	-1.37	5.02E-03	3.05E-02
ENSG00000177947	ODF3	11	196761	200261	3500	protein coding	-1.37	3.23E-03	2.31E-02
ENSG00000147206	NXF3	X	103075810	103093143	17333	protein coding	-1.37	1.15E-03	1.20E-02
ENSG00000122176	FMOD	1	203340628	203351758	11130	protein coding	-1.37	2.24E-03	1.83E-02
ENSG00000234345	ELF2P1	X	103910305	103911352	1047	processed_pseudogene	-1.37	1.83E-03	1.61E-02
ENSG00000285763	AL358777.3	6	10659498	10692860	33362	lncRNA-antisense	-1.37	2.02E-03	1.72E-02
ENSG00000279467	AP000350.8	22	23865248	23873277	8029	lncRNA-antisense	-1.37	2.67E-04	4.76E-03
ENSG00000078295	ADCY2	5	7396138	7830081	433943	protein coding	-1.37	9.22E-06	4.84E-04
ENSG00000254997	KRTAP5-9	11	71548420	71549608	1188	protein coding	-1.37	4.51E-03	2.86E-02
ENSG00000237574	LINC01856	2	129923177	129946703	23526	lncRNA	-1.37	2.89E-03	2.15E-02
ENSG00000179709	NLRP8	19	55947832	55988629	40797	protein coding	-1.37	8.33E-03	4.22E-02
ENSG00000170689	HOXB9	17	48621156	48628358	5202	protein coding	-1.37	2.93E-03	2.17E-02
ENSG00000151577	DRD3	3	114127580	114199407	71827	protein coding	-1.37	9.08E-03	4.45E-02
ENSG00000279674	AC123769.1	17	34000789	34006772	5983	TEC	-1.37	2.36E-03	1.89E-02
ENSG00000175604	AC007601.1	16	12086746	12090302	3556	lncRNA-antisense	-1.37	4.44E-03	2.83E-02
ENSG00000132677	RHBG	1	156369211	156385219	16008	protein coding	-1.37	1.58E-03	1.46E-02
ENSG00000258458	AL160314.2	14	22701476	22766562	65086	lncRNA	-1.37	5.70E-04	7.78E-03
ENSG00000204669	C9orf57	9	72051376	72072721	21345	protein coding	-1.37	1.07E-02	4.95E-02
ENSG00000171124	FUT3	19	5842888	5851474	8586	protein coding	-1.37	4.70E-03	2.93E-02
ENSG00000162594	IL23R	1	67138907	67259979	121072	protein coding	-1.37	2.66E-04	4.75E-03
ENSG00000267014	LINC01532	19	29002319	29015160	12841	lncRNA	-1.37	3.72E-03	2.54E-02
ENSG00000007952	NOX1	X	100843324	100874359	31035	protein coding	-1.37	1.00E-02	4.74E-02
ENSG00000224786	CETNP4	4	122728532	122732482	3950	transcribed_unitary_pseudogene	-1.37	6.85E-03	3.72E-02
ENSG00000163531	NFASC	1	204826651	205022822	194171	protein coding	-1.37	8.08E-06	4.42E-04

ENSG00000226374	LINC01345	1	3944547	3949024	4477	lncRNA	-1.37	3.09E-03	2.25E-02
ENSG00000223930	AC117453.1	3	178164008	178385479	221471	lncRNA-antisense	-1.37	4.08E-04	6.29E-03
ENSG00000182264	IZUMO1	19	48740852	48746909	6057	protein coding	-1.37	5.30E-03	3.15E-02
ENSG00000171357	LURAP1	1	46203334	46221256	17922	protein coding	-1.37	8.02E-04	9.58E-03
ENSG00000171346	KRT15	17	41513745	41522529	8784	protein coding	-1.37	1.23E-03	1.26E-02
ENSG00000178795	GDPD4	11	77216558	77301687	85129	protein coding	-1.37	2.76E-03	2.09E-02
ENSG00000237339	LINC01502	9	135574935	135587112	12177	lncRNA	-1.37	1.09E-04	2.67E-03
ENSG00000267777	LINC01791	19	31167457	31225143	57686	lncRNA	-1.37	6.62E-03	3.63E-02
ENSG00000180998	GPR137C	14	52552836	52637713	84877	protein coding	-1.37	1.62E-03	1.49E-02
ENSG00000285867	BX470102.2	1	153586813	153606283	19470	lncRNA	-1.37	5.55E-03	3.24E-02
ENSG00000142910	TINAGL1	1	31576485	31587686	11201	protein coding	-1.37	2.33E-04	4.33E-03
ENSG00000227061	AC079779.1	2	197569	209892	12323	lncRNA-antisense	-1.37	9.68E-04	1.08E-02
ENSG00000226237	GAS1RR	9	86948666	87002033	53367	lncRNA	-1.37	1.24E-03	1.26E-02
ENSG00000215838	AL451074.1	1	165698750	165709968	11218	transcribed processed pseudogene	-1.37	5.80E-03	3.34E-02
ENSG00000259125	LRP1-AS	12	57144620	57147619	2999	lncRNA-antisense	-1.37	1.00E-02	4.74E-02
ENSG00000280200	AC073862.5	12	130976786	130978812	2026	TEC	-1.37	1.03E-02	4.82E-02
ENSG00000110887	DAO	12	108858932	108901043	42111	protein coding	-1.37	1.14E-03	1.20E-02
ENSG00000285841	AC005692.3	7	141392155	141396517	4362	lncRNA	-1.37	9.42E-03	4.56E-02
ENSG00000175121	WFDC5	20	45109452	45115172	5720	protein coding	-1.37	8.03E-03	4.12E-02
ENSG00000257711	AC079385.2	12	106678583	106684707	6124	lncRNA-antisense	-1.37	5.52E-03	3.23E-02
ENSG00000233515	LINC01518	10	42644445	42691723	47278	lncRNA	-1.37	5.31E-03	3.16E-02
ENSG00000205420	KRT6A	12	52487176	52493257	6081	protein coding	-1.37	1.99E-03	1.70E-02
ENSG00000230927	TMBIM7P	7	92412550	92447813	35263	transcribed unitary pseudogene	-1.37	4.88E-03	3.00E-02
ENSG00000139364	TMEM132B	12	125186836	125662377	475541	protein coding	-1.37	1.06E-04	2.61E-03
ENSG00000226519	LINC00390	13	44094822	44147762	52940	lncRNA	-1.37	9.21E-04	1.05E-02
ENSG00000161940	BCL6B	17	7023050	7030290	7240	protein coding	-1.37	9.50E-04	1.07E-02
ENSG00000196335	STK31	7	23710203	23832513	122310	protein coding	-1.37	1.19E-05	5.86E-04
ENSG00000230716	KRT87P	11	119602875	119604306	1431	processed pseudogene	-1.37	1.08E-02	4.98E-02
ENSG00000063438	AHRR	5	321759	438291	116532	protein coding	-1.38	8.20E-05	2.22E-03
ENSG00000141449	GREB1L	18	21242242	21255417	283175	protein coding	-1.38	2.11E-06	1.69E-04
ENSG00000186103	ARGFX	3	121567949	121590622	22673	protein coding	-1.38	2.16E-03	1.79E-02
ENSG00000258457	AL132780.2	14	22982698	22999078	16380	lncRNA-antisense	-1.38	2.47E-03	1.94E-02
ENSG000000089101	CFAP61	20	20052514	20360703	308189	protein coding	-1.38	1.50E-04	3.27E-03
ENSG00000249635	AC109361.1	4	106003317	106022478	19161	lncRNA-antisense	-1.38	6.41E-03	3.56E-02
ENSG00000140522	RLBP1	15	89209869	89221614	11745	protein coding	-1.38	5.55E-03	3.24E-02
ENSG00000255491	AC100858.2	8	124811042	124857516	46474	lncRNA	-1.38	1.55E-05	7.00E-04
ENSG00000204128	C2orf72	2	231037523	231049719	12196	protein coding	-1.38	3.91E-03	2.62E-02
ENSG00000228021	AL158835.1	10	125683229	125709677	26448	lncRNA	-1.38	7.90E-04	9.49E-03
ENSG00000196639	HRH1	3	11137093	11263557	126464	protein coding	-1.38	1.69E-04	3.52E-03
ENSG00000285940	AC098999.1	18	37565281	37762131	196850	lncRNA-antisense	-1.38	2.41E-04	4.43E-03
ENSG00000166111	SVOP	12	108907741	109021068	113327	protein coding	-1.38	6.18E-05	1.78E-03
ENSG00000257279	AC127164.1	12	116977442	116987337	9895	lncRNA-antisense	-1.38	1.44E-03	1.38E-02
ENSG00000161133	USP41	22	20350578	20390758	40180	protein coding	-1.38	2.23E-03	1.83E-02
ENSG00000106536	POU6F2	7	38977909	39493095	515186	protein coding	-1.38	4.45E-05	1.44E-03
ENSG00000133710	SPINK5	5	148025683	148137382	111699	protein coding	-1.38	6.94E-03	3.75E-02
ENSG00000168619	ADAM18	8	39584489	39730065	145576	protein coding	-1.38	7.23E-03	3.85E-02
ENSG00000283529	AL035685.1	20	49318337	49441654	123317	transcribed unprocessed pseudogene	-1.38	2.10E-05	8.64E-04
ENSG00000164128	NPY1R	4	163323962	163344832	20870	protein coding	-1.38	9.03E-03	4.44E-02
ENSG00000235142	LINC02532	6	106705334	106788148	82814	lncRNA	-1.38	3.79E-04	5.99E-03
ENSG00000236539	HNRNP1P54	1	179447602	179457315	9713	processed pseudogene	-1.38	9.66E-04	1.08E-02
ENSG00000203729	LINC00272	1	182407621	182414815	7194	lncRNA	-1.38	2.31E-03	1.86E-02
ENSG00000177992	SPATA31E	9	87882877	87888903	6026	protein coding	-1.38	4.64E-04	6.78E-03
ENSG00000166450	PRTG	15	55611544	55743152	131608	protein coding	-1.38	2.77E-05	1.04E-03
ENSG00000259236	GOLGA8VP	15	101771758	101781989	10231	unprocessed pseudogene	-1.38	2.78E-03	2.09E-02
ENSG00000249740	OSMR-AS1	5	38682581	38845829	163248	lncRNA	-1.38	2.42E-03	1.91E-02
ENSG00000285707	AL008720.1	22	48254903	48259116	4213	lncRNA	-1.38	2.41E-03	1.91E-02
ENSG00000261647	IMPDH1P11	16	10111382	10112885	1503	processed pseudogene	-1.38	5.85E-03	3.36E-02
ENSG00000164900	CLCA1	1	86468368	86500259	31891	protein coding	-1.38	8.90E-03	4.39E-02
ENSG00000163145	C10TNF7	4	15339818	15446167	106349	protein coding	-1.38	2.53E-04	4.57E-03
ENSG00000188523	CFAP77	9	132410043	132573319	163276	protein coding	-1.38	1.53E-03	1.43E-02
ENSG00000139292	LRP1	12	71439798	71586310	146512	protein coding	-1.38	2.21E-03	1.82E-02
ENSG00000232445	EMSLR	7	101308270	101314800	6530	lncRNA-antisense	-1.38	1.51E-04	3.28E-03
ENSG00000137745	MMP13	11	102942995	102955732	12737	protein coding	-1.38	8.50E-03	4.27E-02
ENSG00000110245	APOC3	11	116829706	116833072	3366	protein coding	-1.38	1.02E-02	4.81E-02
ENSG00000228933	AC107419.1	X	27174920	27399006	224086	lncRNA	-1.38	1.70E-03	1.53E-02
ENSG00000167757	KLK11	19	51022216	51028039	5823	protein coding	-1.38	2.35E-03	1.88E-02
ENSG00000112504	NR1H4	12	100473708	100564414	90706	protein coding	-1.38	1.05E-02	4.90E-02
ENSG00000283654	LMLN2	14	23099062	23104989	5927	protein coding	-1.38	1.24E-03	1.26E-02
ENSG00000228862	AC068389.1	8	60629662	60653561	23899	lncRNA	-1.38	8.70E-04	1.01E-02
ENSG00000251249	AC097375.3	4	151955991	151969381	13390	lncRNA	-1.38	9.69E-03	4.64E-02
ENSG00000254040	AC103719.1	8	21023276	21030368	7092	lncRNA	-1.38	7.42E-03	3.91E-02
ENSG00000266869	AC005993.1	14	71848606	71928596	79990	lncRNA	-1.38	8.26E-03	4.20E-02
ENSG00000004948	CALCR	7	93424486	93574730	150244	protein coding	-1.39	2.24E-03	1.83E-02
ENSG00000264666	AC020558.1	17	17591428	17610485	19057	lncRNA-antisense	-1.39	9.51E-03	4.69E-02
ENSG00000174226	SNX3	8	100572889	100663415	90526	protein coding	-1.39	1.14E-03	1.20E-02
ENSG00000232803	SLCO4A1-AS1	20	62663019	62666724	3705	lncRNA-antisense	-1.39	6.26E-03	3.51E-02
ENSG00000171903	CYP4F11	19	15912367	15934867	22500	protein coding	-1.39	1.89E-03	1.64E-02
ENSG00000173404	INSM1	20	20368104	20370949	2845	protein coding	-1.39	5.45E-03	3.21E-02
ENSG00000245694	CRNDE	16	54845189	54929189	84000	lncRNA	-1.39	2.20E-05	8.90E-04
ENSG00000204398	AL359649.1	13	111588201	111672608	84407	lncRNA	-1.39	4.15E-03	2.72E-02
ENSG00000235501	AC105942.1	1	94927361	94963616	36255	lncRNA-antisense	-1.39	2.37E-04	4.38E-03
ENSG00000224790	AP000704.1	21	36966461	36975164	8703	lncRNA	-1.39	2.88E-05	1.07E-03
ENSG00000221836	OR2A5	7	144048948	144058845	9897	protein coding	-1.39	5.73E-04	7.80E-03
ENSG00000263745	AP005230.1	18	1883524	2489426	605902	lncRNA	-1.39	1.06E-03	1.15E-02
ENSG00000187527	ATP13A5	3	193274789	193378820	104031	protein coding	-1.39	3.65E-04	5.84E-03
ENSG00000127325	BEST3	12	69643360	69699476	56116	protein coding	-1.39	9.44E-04	1.06E-02
ENSG00000183833	CFAP91	3	119703022	119767102	64080	protein coding	-1.39	6.89E-03	3.73E-02
ENSG00000075035	WSDC2	12	108129288	108250537	121249	protein coding	-1.39	5.32E-05	1.62E-03
ENSG00000143469	SYT14	1	209900923	210171389	270466	protein coding	-1.39	5.71E-04	7.79E-03
ENSG00000170537	TMC7	16	18983934	19063942	80008	protein coding	-1.39	1.05E-04	2.61E-03

ENSG00000128510	CPA4	7	130293134	130324180	31046	protein coding	-1.39	2.77E-03	2.10E-02
ENSG00000006788	MYH13	17	10300865	10373130	72265	protein coding	-1.39	1.60E-04	3.39E-03
ENSG00000157399	ARSL	X	2934521	2968475	33954	protein coding	-1.39	2.66E-03	2.05E-02
ENSG00000213853	EMP2	16	10528422	10580632	52210	protein coding	-1.39	3.99E-05	1.33E-03
ENSG00000118492	ADGB	6	146598967	146815462	216495	protein coding	-1.39	3.09E-04	5.24E-03
ENSG00000265646	TUFMP1	17	27082690	27084036	1346	processed pseudogene	-1.39	1.98E-04	3.89E-03
ENSG00000113262	GRM6	5	178977587	178996206	18619	protein coding	-1.39	2.64E-04	4.72E-03
ENSG00000203971	AL354984.1	20	57957126	57960176	3050	lncRNA	-1.39	9.98E-03	4.74E-02
ENSG00000229021	AL450992.1	1	151994531	152042774	48243	lncRNA-antisense	-1.39	2.10E-03	1.76E-02
ENSG00000134962	KLK	4	39406930	39451533	44603	protein coding	-1.39	1.44E-03	1.38E-02
ENSG00000240405	SAMMSON	3	69999550	70518064	518514	lncRNA	-1.39	1.92E-05	8.22E-04
ENSG00000284703	AL805961.1	1	4012921	4019508	6587	lncRNA	-1.39	2.22E-03	1.82E-02
ENSG00000135917	SLC19A3	2	227683763	227718028	34265	protein coding	-1.39	1.46E-03	1.39E-02
ENSG00000286518	AL354743.1	1	3367815	3373928	6113	lncRNA	-1.39	2.35E-03	1.88E-02
ENSG00000257259	LINC02388	12	58566959	58781747	215788	lncRNA	-1.39	5.49E-03	3.22E-02
ENSG00000169344	UMOD	16	20333052	20356301	23249	protein coding	-1.39	7.43E-04	9.15E-03
ENSG00000214866	DCDC2C	2	3703575	3848008	144433	protein coding	-1.39	1.18E-03	1.22E-02
ENSG00000248159	HSPA8P11	8	30237382	30240997	3615	processed pseudogene	-1.39	1.03E-02	4.84E-02
ENSG00000287117	AC105916.1	4	9567474	9691786	124312	lncRNA	-1.39	4.90E-03	3.01E-02
ENSG00000233639	PANTR1	2	104794848	104853183	58335	lncRNA	-1.39	8.18E-04	9.69E-03
ENSG00000114547	RPN1B	3	125969160	125983454	14294	protein coding	-1.39	2.80E-03	2.11E-02
ENSG00000269186	LINC01082	16	86195954	86199720	3766	lncRNA	-1.40	6.14E-03	3.46E-02
ENSG00000261170	AC09053.3	16	74422120	74441937	19817	lncRNA-antisense	-1.40	3.07E-04	5.20E-03
ENSG00000226453	LINC02542	6	81844602	82169391	324789	lncRNA	-1.40	2.03E-03	1.72E-02
ENSG00000261623	LINC02179	16	49466106	49469875	3769	lncRNA	-1.40	4.01E-03	2.67E-02
ENSG00000229608	GOLGA2P4	22	42784462	42787100	2638	unprocessed pseudogene	-1.40	3.79E-03	2.57E-02
ENSG00000162897	FCAMR	1	206957965	206970625	12600	protein coding	-1.40	6.14E-03	3.46E-02
ENSG00000230710	LINC00332	13	40172505	40195361	22856	lncRNA	-1.40	1.70E-03	1.53E-02
ENSG00000260790	AC092338.2	16	22374859	22378180	3321	lncRNA-antisense	-1.40	6.11E-03	3.45E-02
ENSG00000261751	AC007603.1	16	49920730	49924154	3424	lncRNA	-1.40	7.34E-03	3.89E-02
ENSG00000246863	GPR176-DT	15	39921042	39925880	4838	lncRNA	-1.40	1.28E-03	1.28E-02
ENSG00000162409	PKRAA2	1	56645314	56715335	70021	protein coding	-1.40	9.30E-04	1.05E-02
ENSG00000279712	FP32530.3	22	47916728	47926284	9536	lncRNA	-1.40	2.00E-04	3.92E-03
ENSG00000153930	ANKFN1	17	55882301	56511659	629358	protein coding	-1.40	9.43E-05	2.43E-03
ENSG00000140798	ABCC12	16	48081006	48156018	75012	protein coding	-1.40	5.86E-05	1.73E-03
ENSG00000279440	AL008638.3	22	27019369	27024550	5181	lncRNA	-1.40	1.93E-03	1.66E-02
ENSG00000147041	SYTL5	X	38006553	38128819	122266	protein coding	-1.40	4.11E-03	2.70E-02
ENSG00000054938	CHRD1L	11	74696429	74731426	34997	protein coding	-1.40	4.73E-04	6.86E-03
ENSG00000183549	ACSM5	16	20409534	20441336	31802	protein coding	-1.40	4.80E-04	6.93E-03
ENSG00000129167	TPH1	11	18017564	18042426	24862	protein coding	-1.40	2.83E-06	2.07E-04
ENSG00000113722	CDX1	5	150168778	150184558	17780	protein coding	-1.40	5.03E-03	3.05E-02
ENSG00000179774	ATOH7	10	68230595	68232113	1518	protein coding	-1.40	7.72E-03	4.02E-02
ENSG00000197085	NPSR1-AS1	7	34346512	34871582	525070	lncRNA	-1.40	4.58E-03	2.89E-02
ENSG00000219773	RPSAP45	6	112355841	112356714	873	processed pseudogene	-1.40	8.60E-03	4.30E-02
ENSG00000284543	LINC01226	1	31506226	31583306	7080	lncRNA	-1.40	1.49E-05	6.82E-04
ENSG00000172320	OR5A1	11	59436469	59451380	14911	protein coding	-1.40	2.06E-03	1.74E-02
ENSG00000176381	PRR18	6	166305300	166308448	3148	protein coding	-1.40	1.47E-03	1.40E-02
ENSG00000053747	LAMA3	18	23689453	23956222	266769	protein coding	-1.40	9.43E-07	9.23E-05
ENSG00000236700	LINC01010	6	134343307	134504581	161274	lncRNA	-1.40	2.04E-03	1.73E-02
ENSG00000287677	AC025839.1	8	141581658	141662209	80551	lncRNA	-1.40	8.72E-05	2.31E-03
ENSG00000215372	ZNF705G	7	7355517	7385558	30041	protein coding	-1.40	5.22E-03	3.13E-02
ENSG00000267166	AC007993.1	18	43922775	43927388	4613	unprocessed pseudogene	-1.40	3.92E-03	2.63E-02
ENSG00000136011	STAB2	12	103587273	103766719	179446	protein coding	-1.40	1.25E-05	6.06E-04
ENSG00000286886	AJ011931.2	21	45861830	45888638	26808	lncRNA	-1.40	3.03E-03	2.22E-02
ENSG00000089225	TBX5	12	114353911	114408442	54531	protein coding	-1.40	1.37E-03	1.34E-02
ENSG00000258630	LINC02292	14	95319483	95335757	16274	lncRNA	-1.40	1.35E-03	1.33E-02
ENSG00000286667	AC010641.2	19	382725	387533	4808	lncRNA	-1.40	2.56E-04	4.61E-03
ENSG00000177181	RIMKLA	1	42380792	42424232	43440	protein coding	-1.40	3.61E-06	2.45E-04
ENSG00000153246	PLAZR1	2	159932006	160062615	130609	protein coding	-1.41	3.38E-04	5.57E-03
ENSG00000205363	INSY1N	15	73735431	73752747	17316	protein coding	-1.41	8.33E-04	9.80E-03
ENSG00000230133	LINC01721	20	24063255	24226013	162758	lncRNA	-1.41	4.94E-04	7.05E-03
ENSG00000240253	FAR2P3	2	130690133	130718831	28698	transcribed unprocessed pseudogene	-1.41	4.67E-03	2.92E-02
ENSG00000100078	PLAZG3	22	31134807	31140508	5701	protein coding	-1.41	4.00E-03	2.66E-02
ENSG00000152592	DMP1	4	87650280	87664361	14081	protein coding	-1.41	3.20E-03	2.30E-02
ENSG00000145451	GLRA3	4	174636920	174829247	192327	protein coding	-1.41	3.97E-03	2.65E-02
ENSG00000168398	BDKRB2	14	96204679	96244166	39487	protein coding	-1.41	7.04E-04	8.84E-03
ENSG00000286144	Z97056.2	22	38416565	38423933	7368	lncRNA	-1.41	1.07E-02	4.95E-02
ENSG00000138347	MYPN	10	68106117	68212017	105900	protein coding	-1.41	1.13E-03	1.19E-02
ENSG00000184507	NUTM1	15	34343315	34357737	14422	protein coding	-1.41	7.22E-04	8.98E-03
ENSG00000280639	LINC02204	15	70570958	70586606	15648	lncRNA	-1.41	4.45E-03	2.84E-02
ENSG00000263571	AC004147.2	17	34155566	34165736	10170	lncRNA	-1.41	3.48E-03	2.42E-02
ENSG00000285569	AC099344.3	2	11405508	11427186	21678	lncRNA	-1.41	2.80E-04	4.90E-03
ENSG00000227304	AC067942.1	4	82494786	82496278	1492	transcribed processed pseudogene	-1.41	2.80E-03	1.95E-02
ENSG00000258710	LINC01193	15	20940380	21058440	118600	lncRNA	-1.41	7.22E-03	3.85E-02
ENSG00000203987	AL772363.1	9	137867925	137892570	24645	lncRNA-antisense	-1.41	2.40E-04	4.42E-03
ENSG00000167749	KLK4	19	50906352	50910738	4386	protein coding	-1.41	1.07E-03	1.15E-02
ENSG00000286069	AC078968.2	12	53739611	53898976	159365	lncRNA	-1.41	4.70E-03	2.93E-02
ENSG00000126218	F10	13	113122799	113149529	26730	protein coding	-1.41	5.69E-04	7.78E-03
ENSG00000270792	AL050403.2	20	10672695	10994924	322229	lncRNA-antisense	-1.41	1.60E-03	1.47E-02
ENSG00000137766	UNC13C	15	53978201	54633414	655213	protein coding	-1.41	2.12E-04	4.07E-03
ENSG00000226051	ZNF503-AS1	10	75243568	75373500	129932	lncRNA	-1.41	1.22E-04	2.86E-03
ENSG00000287486	AC114291.1	5	1252006	1255976	3970	lncRNA	-1.41	4.15E-03	2.72E-02
ENSG00000260714	AC133552.1	16	25015978	25021023	5045	processed pseudogene	-1.41	3.06E-04	5.20E-03
ENSG00000226377	AC084809.1	17	32876759	32881070	4311	lncRNA-antisense	-1.41	5.89E-03	3.37E-02
ENSG00000188643	S100A16	1	153606886	153613145	6259	protein coding	-1.41	9.35E-03	4.54E-02
ENSG00000198838	RYR3	15	33310962	33866121	555159	protein coding	-1.41	5.53E-09	1.55E-06
ENSG00000285980	AP003025.2	11	131542030	131581145	39115	lncRNA-antisense	-1.41	2.15E-03	1.79E-02
ENSG00000135248	FAM71F1	7	128709061	128731743	22682	protein coding	-1.41	5.82E-03	3.35E-02
ENSG00000234080	AL596275.1	1	50326131	50327007	876	processed pseudogene	-1.41	9.33E-04	1.05E-02
ENSG00000113905	HRG	3	186660216	186678234	18018	protein coding	-1.41	1.07E-03	1.15E-02

ENSG00000249816	LINC00964	8	124823702	124962531	138829	lncRNA	-1.41	4.16E-04	6.34E-03
ENSG00000221818	EBF2	8	25841725	26045413	203688	protein coding	-1.41	1.77E-04	3.63E-03
ENSG00000159217	IGF2BP1	17	48997385	49056145	58760	protein coding	-1.41	1.24E-03	1.26E-02
ENSG00000286708	AP003783.1	11	70886090	70896305	10215	lncRNA	-1.41	7.87E-04	9.48E-03
ENSG00000148408	CACNA1B	9	137877782	138124624	246842	protein coding	-1.41	1.32E-05	6.26E-04
ENSG00000132561	MATN2	8	97868840	98036724	167884	protein coding	-1.41	1.29E-05	6.19E-04
ENSG00000171495	MROH2B	5	40998017	41071342	73325	protein coding	-1.41	7.94E-04	9.52E-03
ENSG00000223991	AC104809.1	2	240981515	240986072	4557	lncRNA-antisense	-1.41	1.02E-03	1.12E-02
ENSG00000243478	AOX2P	2	200738608	200794239	55631	transcribed unprocessed pseudogene	-1.41	5.60E-04	7.69E-03
ENSG00000224190	LINC02667	10	128912810	128916429	3619	lncRNA	-1.41	1.08E-02	4.98E-02
ENSG00000265798	AC138207.6	17	31038575	31059121	20546	transcribed unprocessed pseudogene	-1.41	2.12E-03	1.77E-02
ENSG00000259144	RANBP20P	14	20720742	20723127	2385	processed pseudogene	-1.41	4.14E-03	2.72E-02
ENSG00000225493	LINC01107	2	238510690	238555054	44364	lncRNA	-1.41	1.28E-03	1.28E-02
ENSG00000197176	LINC02291	14	97632647	97686658	54011	lncRNA	-1.41	1.07E-02	4.93E-02
ENSG00000267421	AC005498.2	19	56536156	56538575	2419	lncRNA	-1.41	7.93E-03	4.08E-02
ENSG00000229404	LINC00858	10	84267747	84294659	26912	lncRNA	-1.41	2.86E-03	2.14E-02
ENSG00000232190	LINC02181	16	87057784	87070105	12321	lncRNA	-1.41	1.29E-03	1.29E-02
ENSG00000279091	AC028523.2	15	97533738	97541476	7738	TEC	-1.41	1.34E-03	1.32E-02
ENSG00000156968	MPV17L	16	15395754	15413271	17517	protein coding	-1.41	5.32E-04	7.43E-03
ENSG00000188089	PLAZGA2	15	41981582	42051190	69608	protein coding	-1.41	2.37E-04	4.39E-03
ENSG00000177757	FAM87B	1	817371	819837	2466	lncRNA	-1.41	3.90E-03	2.62E-02
ENSG00000261231	LINC02133	16	47724568	47908431	183863	lncRNA	-1.41	6.39E-03	3.55E-02
ENSG00000183853	KIRREL1	1	157993273	158100262	106989	protein coding	-1.42	1.88E-05	8.09E-04
ENSG00000230894	AL133284.1	9	116567636	116586328	18692	lncRNA-antisense	-1.42	4.69E-03	2.93E-02
ENSG00000007216	SLC13A2	17	28473293	28497781	24488	protein coding	-1.42	6.27E-04	8.29E-03
ENSG00000203740	METTL11B	1	170145959	170168866	22907	protein coding	-1.42	1.04E-02	4.87E-02
ENSG00000251537	AC005324.2	17	15571491	15651653	80162	protein coding	-1.42	2.79E-03	2.11E-02
ENSG00000229867	STEAP3-AS1	2	119244422	119270714	26292	lncRNA-antisense	-1.42	3.03E-05	1.11E-03
ENSG00000262833	AC016245.1	17	80801640	80805632	3992	lncRNA-antisense	-1.42	4.09E-04	6.29E-03
ENSG00000124467	PSG8	19	42752686	42855691	103005	protein coding	-1.42	1.06E-02	4.93E-02
ENSG00000267260	AC020928.1	19	36773112	36777078	3966	lncRNA	-1.42	1.26E-04	2.91E-03
ENSG00000261786	AC006058.1	3	44117299	44122365	5066	lncRNA	-1.42	9.18E-04	1.04E-02
ENSG00000264985	AC124804.1	17	73513469	73521407	7938	lncRNA-antisense	-1.42	8.08E-04	9.63E-03
ENSG00000226409	AL450332.1	6	125370034	125445193	75159	lncRNA	-1.42	4.06E-03	2.69E-02
ENSG00000167355	OR51B5	11	5303444	5505652	202208	protein coding	-1.42	5.16E-03	3.11E-02
ENSG00000166923	GREM1	15	32718004	32745106	27102	protein coding	-1.42	1.82E-06	1.50E-04
ENSG00000185837	HDHD5-AS1	22	17159384	17165445	6061	lncRNA-antisense	-1.42	1.06E-02	4.92E-02
ENSG00000238123	MID1IP1-AS1	X	38801568	38803883	2315	lncRNA-antisense	-1.42	6.41E-03	3.56E-02
ENSG00000232234	AL355499.1	6	81027111	8343139	240428	lncRNA-bidirectional promoter	-1.42	1.11E-03	1.18E-02
ENSG00000077274	CAPN6	X	111245099	111270483	25384	protein coding	-1.42	9.75E-03	4.66E-02
ENSG00000153446	C16orf89	16	5044122	5066110	21988	protein coding	-1.42	1.81E-03	1.59E-02
ENSG00000124237	C20orf85	20	58150902	58161150	10248	protein coding	-1.42	1.05E-02	4.90E-02
ENSG00000279725	AL391005.1	10	127734562	127738996	2434	TEC	-1.42	1.79E-03	1.58E-02
ENSG00000282375	AC100797.4	8	738548	740374	1826	lncRNA	-1.42	3.29E-03	2.34E-02
ENSG00000121904	CMSD2	1	33513999	34165842	651843	protein coding	-1.42	1.22E-05	5.99E-04
ENSG00000237999	ACTG1P19	9	100731240	100732355	1115	processed pseudogene	-1.42	6.19E-03	3.48E-02
ENSG00000237986	CELFA2-AS2	10	11071541	11105773	34232	lncRNA-antisense	-1.42	3.87E-03	2.61E-02
ENSG00000243083	LINC00870	3	72151236	72207776	56540	lncRNA	-1.42	7.15E-04	8.91E-03
ENSG00000102359	SRPX2	X	100644195	100675788	31593	protein coding	-1.42	8.39E-04	9.85E-03
ENSG00000250133	HOXC-AS2	12	53993810	53996785	2975	lncRNA	-1.42	1.19E-03	1.23E-02
ENSG00000124253	PCK1	20	57561080	57568121	7041	protein coding	-1.42	2.09E-04	4.03E-03
ENSG00000241469	LINC00635	3	107840228	107882250	42022	lncRNA	-1.42	1.99E-04	3.91E-03
ENSG00000101670	LIPG	18	49560699	49599185	38486	protein coding	-1.42	7.57E-06	4.22E-04
ENSG00000250007	AC087457.1	15	34755084	34813505	58421	lncRNA-antisense	-1.42	3.03E-03	2.22E-02
ENSG00000135409	AMHR2	12	53423855	53431672	7817	protein coding	-1.42	4.65E-03	2.91E-02
ENSG00000189332	SLC25A51P4	11	18209138	18214562	5424	transcribed unprocessed pseudogene	-1.42	2.95E-03	2.18E-02
ENSG00000260289	AC093515.1	16	7878799	8112756	233957	lncRNA	-1.43	6.50E-03	3.59E-02
ENSG00000171804	WDR87	19	37884823	37906677	21854	protein coding	-1.43	2.13E-04	4.08E-03
ENSG00000130612	CYP2G1P	19	40890826	40912357	21531	transcribed unprocessed pseudogene	-1.43	1.23E-03	1.25E-02
ENSG00000186393	KRT26	17	40766238	40772162	5924	protein coding	-1.43	5.16E-03	3.11E-02
ENSG00000197641	SERPINB13	18	63586989	63604639	17650	protein coding	-1.43	5.44E-04	7.57E-03
ENSG00000235034	C19orf81	19	50649445	50659310	9865	protein coding	-1.43	1.08E-02	4.98E-02
ENSG00000090512	FETUB3	3	186635969	186653141	17172	protein coding	-1.43	4.60E-03	2.90E-02
ENSG00000153558	FBXL2	3	33277025	33403662	126637	protein coding	-1.43	6.86E-06	3.97E-04
ENSG00000097079	PAX7	1	18630846	18748866	118020	protein coding	-1.43	7.74E-05	2.13E-03
ENSG00000259818	AL606760.3	1	53220663	53224253	3590	lncRNA-antisense	-1.43	7.23E-03	3.85E-02
ENSG00000122194	PLG	6	160702238	160754097	51859	protein coding	-1.43	6.08E-04	8.09E-03
ENSG00000112041	TULP1	6	35497874	35512896	15022	protein coding	-1.43	1.94E-04	3.83E-03
ENSG00000141316	SPACA3	17	32970376	32997877	27501	protein coding	-1.43	3.73E-03	2.54E-02
ENSG00000212766	EWSAT1	15	69072926	69095820	22894	lncRNA	-1.43	3.39E-03	2.39E-02
ENSG00000241544	LINC02029	3	157081738	157088547	6809	lncRNA	-1.43	1.08E-02	4.98E-02
ENSG00000223813	AC007255.1	7	29514224	29563670	49446	lncRNA-antisense	-1.43	4.19E-03	2.73E-02
ENSG00000094796	KRT31	17	41393721	41397608	3887	protein coding	-1.43	1.83E-03	1.61E-02
ENSG00000234736	FAM170B-AS1	10	49121839	49151547	29708	lncRNA-antisense	-1.43	1.39E-03	1.35E-02
ENSG00000280273	AF131216.4	8	11283481	11285068	1587	lncRNA-antisense	-1.43	5.56E-03	3.25E-02
ENSG00000261697	AC010531.4	16	87262759	87292438	29679	lncRNA-sense intronic	-1.43	1.72E-03	1.54E-02
ENSG00000287005	AC09018.2	3	195260632	195263628	2996	lncRNA	-1.43	3.47E-05	1.21E-03
ENSG00000166596	CFAP52	17	9576627	9643447	66820	protein coding	-1.43	2.00E-03	1.71E-02
ENSG00000148602	LRR1T	10	84231520	84241546	10026	protein coding	-1.43	2.37E-03	1.89E-02
ENSG00000231095	GYG1P3	1	55222379	55223372	993	processed pseudogene	-1.43	9.13E-03	4.47E-02
ENSG00000069482	GAL	11	68683779	68691175	7396	protein coding	-1.43	8.52E-04	9.93E-03
ENSG00000263326	AC133552.4	16	25071490	25072727	1237	unprocessed pseudogene	-1.43	9.70E-03	4.64E-02
ENSG00000287964	AC066580.1	3	11060973	11091548	30575	lncRNA	-1.43	9.70E-03	4.64E-02
ENSG00000277531	PNMABC	19	46424697	46428951	4254	protein coding	-1.43	1.22E-03	1.25E-02
ENSG00000278638	AC244093.5	17	37045228	37052890	7662	lncRNA-antisense	-1.43	8.45E-03	4.26E-02
ENSG00000260704	LINC00543	13	27953526	27955370	1844	lncRNA	-1.43	2.37E-03	1.89E-02
ENSG00000268505	AC135012.3	16	86192793	86198913	6120	lncRNA	-1.43	1.63E-03	1.49E-02
ENSG00000164283	ESM1	5	54977867	55022671	44804	protein coding	-1.43	8.38E-04	9.84E-03
ENSG00000116329	OPRD1	1	28812142	28871267	59125	protein coding	-1.43	1.60E-04	3.40E-03
ENSG00000245384	CXXC4-AS1	4	104490849	104734546	243697	lncRNA-antisense	-1.43	6.01E-04	8.05E-03

ENSG00000262703	AC009121.2	16	11348143	11349321	1178	lncRNA-antisense	-1.43	6.12E-03	3.45E-02
ENSG0000087245	MMP2	16	55389700	55506691	116991	protein coding	-1.43	2.02E-04	3.94E-03
ENSG00000143631	FLG	1	152302165	152325239	23074	protein coding	-1.43	2.20E-04	4.16E-03
ENSG00000244383	FAM3D-AS1	3	58607080	58644491	37411	lncRNA-antisense	-1.43	6.71E-03	3.67E-02
ENSG00000134363	FST	5	53480626	53487134	6508	protein coding	-1.43	3.41E-03	2.40E-02
ENSG00000255248	MIR100HG	11	122028325	122556721	528396	lncRNA	-1.43	2.22E-06	1.74E-04
ENSG00000255537	AP000708.1	11	125495214	125499528	4314	lncRNA-bidirectional promoter	-1.43	4.15E-03	2.72E-02
ENSG00000230863	AL137803.1	1	75641178	75724049	82871	transcribed_processed_pseudogene	-1.43	5.35E-03	3.17E-02
ENSG00000255867	DENND5B-AS1	12	31589923	31615666	25743	lncRNA-antisense	-1.43	1.07E-02	4.94E-02
ENSG00000101938	CHRD1	X	110673856	110795819	121963	protein coding	-1.43	8.96E-04	1.03E-02
ENSG00000164746	C7orf57	7	48035511	48061304	25793	protein coding	-1.43	8.69E-04	1.01E-02
ENSG00000146038	DCDC2	6	24171755	24358059	186304	protein coding	-1.43	2.44E-03	1.93E-02
ENSG00000237596	AL138828.1	6	135991936	136225751	233815	lncRNA-antisense	-1.43	7.93E-05	2.16E-03
ENSG00000285040	AC092723.4	16	85963328	85985386	22058	lncRNA	-1.43	7.49E-03	3.94E-02
ENSG00000183034	OTOP2	17	74922950	74933912	10962	protein coding	-1.43	2.44E-03	1.93E-02
ENSG00000157782	CABP1	12	120640552	120667324	26772	protein coding	-1.43	1.48E-05	6.80E-04
ENSG00000285820	AL157829.1	9	116838144	116877264	39120	lncRNA-antisense	-1.43	8.52E-03	4.27E-02
ENSG00000274461	AC023282.1	10	120608580	120825317	216737	lncRNA	-1.43	5.79E-04	7.85E-03
ENSG00000235824	LINC00837	10	28789188	28796113	6925	lncRNA	-1.43	5.92E-03	3.38E-02
ENSG00000272154	AC244517.2	5	141100242	141174391	74149	lncRNA-antisense	-1.43	9.38E-03	4.54E-02
ENSG00000185002	RF6	6	116877212	116932161	54949	protein coding	-1.43	7.64E-03	3.99E-02
ENSG00000237159	CNTFR-AS1	9	34568012	34583072	15060	lncRNA-antisense	-1.43	4.84E-03	2.98E-02
ENSG00000277022	AL031663.3	20	45435272	45448325	13053	lncRNA	-1.43	1.45E-03	1.39E-02
ENSG00000118322	ATP10B	5	160563120	160852214	289094	protein coding	-1.44	8.15E-04	9.67E-03
ENSG00000236507	BX470209.2	9	89797880	89803100	5220	lncRNA	-1.44	3.23E-03	2.31E-02
ENSG00000148942	SLC5A12	11	26667020	26723427	56407	protein coding	-1.44	3.03E-03	2.22E-02
ENSG00000224271	AL117329.1	22	47630827	48023004	392177	lncRNA	-1.44	8.96E-07	8.89E-05
ENSG00000175344	CHRNA7	15	31923438	32173018	249580	protein coding	-1.44	1.25E-05	6.06E-04
ENSG00000279685	MAPT-IT1	17	45895783	45898798	3015	lncRNA-sense intronic	-1.44	1.70E-03	1.53E-02
ENSG00000169194	IL13	5	132656263	132661110	4847	protein coding	-1.44	1.66E-03	1.51E-02
ENSG00000286622	AC034111.2	8	9984004	10055041	71037	lncRNA	-1.44	4.85E-03	2.99E-02
ENSG00000130950	NUTM2F	9	94318196	94328644	10448	protein coding	-1.44	4.44E-04	6.59E-03
ENSG00000286720	AC097375.5	4	151988526	152045275	56749	lncRNA	-1.44	4.72E-03	2.94E-02
ENSG00000268649	AL132655.2	20	58817132	58817725	593	lncRNA	-1.44	3.76E-03	2.56E-02
ENSG00000264515	AC011474.1	19	29287011	29525752	238741	lncRNA	-1.44	5.81E-04	7.87E-03
ENSG00000270885	RASL10B	17	35731639	35743521	11882	protein coding	-1.44	8.19E-06	4.47E-04
ENSG00000182632	CENYL2	10	42408168	42475349	67181	transcribed_unprocessed_pseudogene	-1.44	2.00E-03	1.71E-02
ENSG00000273218	AC005776.2	19	15346068	15348417	2349	lncRNA	-1.44	4.16E-03	2.72E-02
ENSG00000226627	SHANK2-AS1	11	70626441	70635658	9217	lncRNA-antisense	-1.44	7.42E-04	9.15E-03
ENSG00000166922	SCG5	15	32641676	32697098	55422	protein coding	-1.44	1.32E-04	3.01E-03
ENSG00000280278	FLJ30679	16	86555320	86557299	1979	TEC	-1.44	7.42E-03	3.91E-02
ENSG00000071539	TRIP13	5	892884	919357	26473	protein coding	-1.44	3.78E-05	1.29E-03
ENSG00000102195	GPR50	X	151176584	151181465	4881	protein coding	-1.44	6.27E-03	3.51E-02
ENSG00000286615	AC011416.4	5	127231977	127290731	58754	lncRNA	-1.44	5.50E-04	7.61E-03
ENSG00000134042	MRO	18	50795120	50825402	30282	protein coding	-1.44	1.54E-03	1.44E-02
ENSG00000236780	LINC01829	2	67123357	67397980	274623	lncRNA-antisense	-1.44	3.36E-04	5.56E-03
ENSG00000223646	AC002463.1	7	112616440	112896625	280185	lncRNA	-1.44	2.13E-04	4.08E-03
ENSG00000253279	LINC02209	8	29920560	29953724	33164	lncRNA	-1.44	9.83E-03	4.69E-02
ENSG00000241111	PRICKLE2-AS1	3	64067964	64103131	35167	lncRNA-antisense	-1.44	2.98E-03	2.20E-02
ENSG00000287090	AC116345.4	5	73195314	73201973	6659	lncRNA	-1.44	7.34E-03	3.89E-02
ENSG00000175267	VWA3A	16	22092538	22156964	64426	protein coding	-1.44	8.31E-06	4.48E-04
ENSG00000171431	KRT20	17	40875889	40885242	9353	protein coding	-1.44	9.37E-03	4.54E-02
ENSG00000286812	AP001120.5	18	11758977	11786181	27204	lncRNA	-1.44	1.45E-03	1.39E-02
ENSG00000203985	LDLRAD1	1	54007298	54018186	10888	protein coding	-1.44	3.75E-03	2.55E-02
ENSG00000123094	RASSF8	12	25959029	26079892	120863	protein coding	-1.44	1.76E-04	3.63E-03
ENSG00000175699	CCDC197	14	93987225	94008863	21638	protein coding	-1.44	8.35E-04	9.82E-03
ENSG00000234913	AC016027.2	22	18004270	18007308	3038	lncRNA-sense intronic	-1.44	9.00E-03	4.42E-02
ENSG00000163762	TM4SF18	3	149318498	149334414	15916	protein coding	-1.44	4.08E-03	2.69E-02
ENSG00000255967	HADHAP2	12	8634367	8637608	3241	processed_pseudogene	-1.44	2.67E-03	2.05E-02
ENSG00000141028	CDRT15P1	17	14024514	14025488	974	unprocessed_pseudogene	-1.44	7.09E-03	3.80E-02
ENSG00000232265	LINC02805	1	148156139	148186980	30841	lncRNA	-1.44	3.42E-04	5.61E-03
ENSG00000156009	MAGEA8	X	149881141	149885835	4694	protein coding	-1.44	8.56E-03	4.29E-02
ENSG00000257790	EIF4A1P4	12	53153272	53154484	1212	processed_pseudogene	-1.44	7.95E-03	4.09E-02
ENSG00000158560	DYNC111	7	95772506	96110322	337816	protein coding	-1.44	2.79E-04	4.89E-03
ENSG00000285735	LINC02717	11	134994982	135007779	12797	lncRNA	-1.44	6.64E-03	3.64E-02
ENSG00000234093	RPS15AP11	1	44780331	44780715	384	processed_pseudogene	-1.45	6.32E-03	3.53E-02
ENSG00000130055	GDPD2	X	70423031	70433390	10359	protein coding	-1.45	4.39E-03	2.81E-02
ENSG00000173114	LRRN3	7	111091006	111125454	34448	protein coding	-1.45	9.98E-07	9.60E-05
ENSG00000226250	LINC00408	13	18905419	18935554	30135	lncRNA	-1.45	7.46E-03	3.93E-02
ENSG00000272692	AC010997.4	10	75409142	75411842	2700	lncRNA	-1.45	8.75E-03	4.35E-02
ENSG00000234962	LINC00700	10	1989076	2015005	25929	lncRNA	-1.45	6.81E-04	8.70E-03
ENSG00000143494	VASH2	1	212950520	212992037	41517	protein coding	-1.45	1.24E-06	1.14E-04
ENSG00000227059	ANHX	12	133218312	133235877	17565	protein coding	-1.45	8.64E-04	1.00E-02
ENSG00000277150	F8A3	X	155456914	155458620	1706	protein coding	-1.45	4.70E-04	6.84E-03
ENSG00000214043	LINC02347	12	126438837	126472790	33953	lncRNA	-1.45	5.94E-04	8.00E-03
ENSG00000186603	HPDL	1	45326895	45328679	1784	protein coding	-1.45	1.92E-04	3.82E-03
ENSG00000230866	LINC02558	22	31970823	32037995	61712	lncRNA	-1.45	6.98E-03	3.76E-02
ENSG00000256115	LINC02443	12	5226196	5244199	18003	lncRNA	-1.45	2.86E-03	2.14E-02
ENSG00000237624	OXCT2P1	1	39514956	39516490	1534	unprocessed_pseudogene	-1.45	8.19E-03	4.17E-02
ENSG00000275427	AF067845.2	8	1296034	1302607	6573	lncRNA	-1.45	2.18E-03	1.80E-02
ENSG00000153822	CKN1J16	17	70053429	70135608	82179	protein coding	-1.45	1.22E-03	1.25E-02
ENSG00000204581	ACOXL-AS1	2	111098345	111116407	18062	lncRNA-antisense	-1.45	5.77E-04	7.84E-03
ENSG00000286046	AC093898.1	4	18418662	18888662	470000	lncRNA	-1.45	3.80E-03	2.57E-02
ENSG00000152670	DDX4	5	55738017	55817157	79140	protein coding	-1.45	4.71E-04	6.85E-03
ENSG00000198491	AC007920.1	3	187197090	187207629	10539	lncRNA-antisense	-1.45	9.00E-03	4.42E-02
ENSG00000285402	AC244230.2	10	46375752	46537864	162112	lncRNA	-1.45	8.03E-03	4.12E-02
ENSG00000144730	IL17RD	3	57089982	57170306	80324	protein coding	-1.45	8.05E-05	2.29E-03
ENSG00000166473	PKD1L2	16	81100875	81220370	119495	polymorphic_pseudogene	-1.45	2.60E-05	9.99E-04
ENSG00000203697	CAFN8	1	223538007	223665723	127716	protein coding	-1.45	1.05E-06	9.98E-05
ENSG00000269707	AC018730.1	2	104853285	104927722	74437	lncRNA-sense overlapping	-1.45	5.15E-03	3.10E-02

ENSG00000268621	IGFL2-AS1	19	46189029	46203160	14131	lncRNA	-1.45	5.06E-03	3.06E-02
ENSG00000141485	SLC13A5	17	6684719	6713377	28658	protein coding	-1.45	3.53E-06	2.42E-04
ENSG00000107562	CXCL12	10	44370165	44386493	16328	protein coding	-1.45	6.30E-05	1.81E-03
ENSG00000102024	PLS3	X	115561174	115650861	89687	protein coding	-1.45	1.05E-03	1.14E-02
ENSG00000278338	VWA8-AS1	13	41955808	41981565	25757	lncRNA-antisense	-1.45	5.47E-03	3.21E-02
ENSG00000259709	AC023906.4	15	52124561	52140246	15685	lncRNA-antisense	-1.45	1.34E-03	1.32E-02
ENSG00000219565	ZNF259P1	6	108782126	108787053	4927	transcribed processed pseudogene	-1.45	8.47E-03	4.26E-02
ENSG00000187242	KRT12	17	40861303	40867223	5920	protein coding	-1.46	5.97E-04	8.03E-03
ENSG00000170790	OR10A2	11	6863057	6874717	11660	protein coding	-1.46	2.20E-03	1.81E-02
ENSG00000087842	PIR	X	15384799	15493564	108765	protein coding	-1.46	2.51E-03	1.96E-02
ENSG00000288029	AC115282.2	3	54033988	54058864	24876	lncRNA	-1.46	4.22E-03	2.75E-02
ENSG00000187955	COL14A1	8	120059780	120373573	313793	protein coding	-1.46	8.96E-05	2.35E-03
ENSG00000229240	LINC00710	10	10917866	10952234	34368	lncRNA	-1.46	3.68E-03	2.52E-02
ENSG00000204091	TDRG1	6	40334775	40387590	52815	lncRNA-antisense	-1.46	2.25E-03	1.83E-02
ENSG00000261795	AC093627.7	7	161765	164972	3207	lncRNA	-1.46	1.14E-03	1.20E-02
ENSG00000287879	AC114341.2	18	79959579	79963178	3599	lncRNA	-1.46	3.04E-04	5.18E-03
ENSG00000231482	AC105450.1	2	1366234	1580747	214513	lncRNA	-1.46	2.06E-03	1.74E-02
ENSG00000101251	SEL1L2	20	13849247	13996443	147196	protein coding	-1.46	1.94E-04	3.84E-03
ENSG00000284674	LINC02781	1	4973381	4981568	8187	lncRNA	-1.46	3.73E-03	2.54E-02
ENSG00000253369	AC022034.3	8	53394110	53484067	89957	lncRNA	-1.46	6.96E-03	3.76E-02
ENSG00000140538	NTRK3	15	87859751	88256768	397017	protein coding	-1.46	1.39E-08	3.22E-06
ENSG00000148848	ADAM12	10	126012381	126388455	376074	protein coding	-1.46	2.25E-15	3.41E-12
ENSG00000100320	RBFOX2	22	35738736	36028824	290088	protein coding	-1.46	2.95E-07	3.85E-05
ENSG00000265763	ZNF488	10	47365496	47384293	18797	protein coding	-1.46	1.82E-03	1.60E-02
ENSG00000123999	INH4	2	219569162	219575711	6549	protein coding	-1.46	4.27E-03	2.77E-02
ENSG00000255883	FUNDC2P1	5	73506885	73509254	569	processed pseudogene	-1.46	1.79E-03	1.58E-02
ENSG00000283162	AL390726.5	9	38433696	38543880	110184	transcribed unprocessed pseudogene	-1.46	1.41E-03	1.36E-02
ENSG00000132554	RG522	8	99960936	100131268	170332	protein coding	-1.46	2.19E-05	8.89E-04
ENSG00000231738	TSPAN19	12	85014311	85036277	21966	protein coding	-1.46	1.01E-02	4.79E-02
ENSG00000175697	GPR156	3	120164645	120285222	120577	protein coding	-1.46	6.08E-04	8.09E-03
ENSG00000258952	SALRNA1	14	60639216	60642589	3373	lncRNA	-1.46	2.85E-03	2.13E-02
ENSG00000165685	TMEM52B	12	10170542	10191801	21259	protein coding	-1.46	3.67E-04	5.87E-03
ENSG00000197253	TPSB2	16	1227272	1230184	2912	protein coding	-1.46	4.42E-04	6.57E-03
ENSG00000260477	LINC01584	15	86078809	86116747	37938	lncRNA-antisense	-1.46	1.22E-03	1.25E-02
ENSG00000267489	LINC01837	19	31797666	32072113	274447	lncRNA	-1.46	1.97E-04	3.89E-03
ENSG00000287514	AL450267.2	9	36779475	36830456	50981	lncRNA	-1.46	5.68E-04	7.77E-03
ENSG00000267091	CTBP2P7	19	36496916	36498159	1243	processed pseudogene	-1.46	5.51E-03	3.22E-02
ENSG00000166828	SCNN1G	16	23182745	23216883	34138	protein coding	-1.46	4.66E-04	6.79E-03
ENSG00000225511	LINC00475	9	92141298	92160114	18816	transcribed unprocessed pseudogene	-1.46	3.54E-04	5.74E-03
ENSG00000105697	HAMP	19	35280716	35285143	4427	protein coding	-1.46	1.20E-03	1.24E-02
ENSG00000174460	ZCCHC12	X	118823824	118826968	3144	protein coding	-1.46	3.94E-03	2.64E-02
ENSG00000150556	LYPD6B	2	149038107	149215262	177155	protein coding	-1.46	2.05E-05	8.55E-04
ENSG00000158022	TRIM63	1	26051301	26068436	17135	protein coding	-1.46	8.06E-03	4.13E-02
ENSG00000204663	CST13P	20	23519146	23542018	22872	transcribed unprocessed pseudogene	-1.46	6.15E-03	3.47E-02
ENSG00000173093	CDC6C3	12	110846769	110907535	60766	protein coding	-1.46	1.23E-03	1.25E-02
ENSG00000280425	AL357673.2	1	54137746	54142980	5234	lncRNA-antisense	-1.46	1.35E-03	1.33E-02
ENSG00000166984	TCPI0L2	6	167146414	167196913	50499	protein coding	-1.47	1.16E-04	2.77E-03
ENSG00000184254	ALDH1A3	15	100877714	100916626	38912	protein coding	-1.47	2.15E-05	8.78E-04
ENSG00000117507	FMO6P	1	171137740	171161568	23828	transcribed unitary pseudogene	-1.47	9.27E-03	4.51E-02
ENSG0000062096	ARSF	X	3041471	3112727	71256	protein coding	-1.47	5.65E-03	3.28E-02
ENSG00000234512	TLR12P	1	33466249	33468954	2705	unitary pseudogene	-1.47	4.36E-03	2.80E-02
ENSG00000188859	FAM78B	1	166057426	166167001	109575	protein coding	-1.47	5.54E-05	1.67E-03
ENSG00000283297	TEX52	12	2849046	2857039	7993	protein coding	-1.47	9.65E-03	4.63E-02
ENSG00000264876	AP005209.1	18	10321380	10372387	51007	lncRNA	-1.47	7.80E-03	4.04E-02
ENSG00000226650	KIF4B	5	155013755	155018141	4386	protein coding	-1.47	7.30E-03	3.88E-02
ENSG00000285627	AC005343.4	12	1741197	1747099	5902	lncRNA-antisense	-1.47	5.32E-03	3.16E-02
ENSG00000077935	SMC1B	22	45344063	45413619	69556	protein coding	-1.47	1.21E-05	5.95E-04
ENSG00000128276	RFLP3	22	32354885	32361161	6276	protein coding	-1.47	9.90E-03	4.71E-02
ENSG00000233295	FAM9A20P	8	7295014	7298024	3010	unprocessed pseudogene	-1.47	9.57E-03	4.61E-02
ENSG00000268282	AC010328.2	19	53004040	53005150	1110	processed pseudogene	-1.47	3.53E-03	2.45E-02
ENSG00000264151	AC090403.1	18	27335968	27595164	259196	lncRNA	-1.47	5.40E-03	3.18E-02
ENSG00000250286	AC021491.2	17	50525520	50538761	13241	lncRNA	-1.47	6.96E-03	3.76E-02
ENSG00000259218	LINC00928	15	89504909	89524049	19140	lncRNA	-1.47	3.78E-03	2.56E-02
ENSG00000163632	C3orf49	3	63819299	63848636	29337	protein coding	-1.47	5.96E-03	3.40E-02
ENSG00000134853	PDGFRA	4	54229280	54298245	68965	protein coding	-1.47	1.82E-04	3.70E-03
ENSG00000224853	LINC00393	13	73413473	73661891	248418	lncRNA	-1.47	2.95E-03	2.18E-02
ENSG00000196600	SLC22A25	11	63163776	63229652	65876	protein coding	-1.47	2.00E-03	1.71E-02
ENSG00000254561	AP003393.1	11	119608423	119659284	50861	lncRNA-antisense	-1.47	4.99E-04	7.10E-03
ENSG00000250493	AP004147.1	11	120867933	120894797	26864	lncRNA-antisense	-1.47	3.46E-04	5.64E-03
ENSG00000109832	DDX25	11	125903348	125943702	40354	protein coding	-1.47	5.61E-05	1.68E-03
ENSG00000140557	ST8SIA2	15	92393881	92468728	74847	protein coding	-1.47	6.65E-05	1.89E-03
ENSG00000261019	AC010132.4	7	42901272	42902639	1367	lncRNA	-1.47	7.76E-03	4.03E-02
ENSG00000077522	ACTN2	1	236664141	236764631	100490	protein coding	-1.47	4.81E-05	1.52E-03
ENSG00000276087	AC008073.3	2	24124366	24190436	66070	protein coding	-1.47	9.85E-03	4.70E-02
ENSG00000224081	SLC44A3-AS1	1	94613814	94855426	241612	transcribed processed pseudogene	-1.47	4.81E-07	5.67E-05
ENSG00000067177	PHKA1	X	72578814	72714319	135505	protein coding	-1.47	2.03E-05	8.52E-04
ENSG00000232517	CSPG4BP	5	54808210	54872551	64341	unitary pseudogene	-1.47	1.93E-04	3.82E-03
ENSG00000249131	PSD2-AS1	5	139740951	139747406	6455	lncRNA	-1.47	1.95E-03	1.68E-02
ENSG00000258240	AC002351.1	12	110951683	110957820	6137	lncRNA	-1.47	4.07E-03	2.69E-02
ENSG00000203585	LINC02408	12	67443105	67590771	147666	lncRNA	-1.47	5.45E-03	3.21E-02
ENSG00000229770	AL022337.1	22	26161905	26169341	7436	lncRNA-bidirectional promoter	-1.47	3.16E-03	2.28E-02
ENSG00000204711	C9orf135	9	69820817	69906227	85410	protein coding	-1.47	5.35E-03	3.17E-02
ENSG00000196632	WNK3	X	54192823	54358642	165819	protein coding	-1.47	7.36E-06	4.16E-04
ENSG00000177553	C1orf167-AS1	1	11777077	11779619	2542	lncRNA-antisense	-1.47	7.04E-03	3.78E-02
ENSG00000231439	WASIR2	16	22910	25123	2213	lncRNA	-1.47	3.07E-03	2.24E-02
ENSG00000155761	SPAG17	1	117953590	118185228	231638	protein coding	-1.47	1.12E-05	5.61E-04
ENSG00000237212	AL449403.1	9	96065740	96101912	36172	lncRNA	-1.47	8.15E-04	9.93E-03
ENSG00000287464	AC100810.7	8	1810823	1817113	6290	lncRNA	-1.47	2.65E-03	2.04E-02
ENSG00000258460	AL355096.1	14	101332511	101335497	2986	lncRNA	-1.47	7.63E-03	3.98E-02
ENSG00000275763	ZNF516-DT	18	76495521	76498088	2567	lncRNA	-1.47	4.10E-03	2.70E-02

ENSG00000275038	AC091980.2	5	171305980	171309777	3797	lncRNA-antisense	-1.47	1.33E-03	1.32E-02
ENSG00000227947	LINC01738	1	47688463	47704029	15566	lncRNA	-1.47	9.44E-03	4.57E-02
ENSG00000166948	TGM6	20	2380901	2432753	51852	protein coding	-1.47	1.23E-03	1.25E-02
ENSG00000164129	NPY5R	4	163343892	163351934	8042	protein coding	-1.47	7.72E-03	4.02E-02
ENSG00000152661	GJA1	6	121435595	121449727	14132	protein coding	-1.48	4.11E-03	2.70E-02
ENSG00000255346	NOX5	15	68930525	69062762	132237	protein coding	-1.48	2.20E-04	4.16E-03
ENSG00000286058	AC018865.2	2	130026845	130051131	24286	lncRNA	-1.48	7.74E-03	4.02E-02
ENSG00000250423	KIAA1210	X	119078635	119150579	71944	protein coding	-1.48	1.20E-03	1.24E-02
ENSG00000132429	POPDC3	6	105157900	105180014	22114	protein coding	-1.48	8.58E-03	4.29E-02
ENSG00000241322	CDRT1	17	15565483	15619704	54221	protein coding	-1.48	9.75E-06	5.03E-04
ENSG00000255258	LINC02743	11	133783671	133810376	26705	lncRNA	-1.48	8.13E-03	4.15E-02
ENSG00000237686	AL109615.3	6	43995723	44074652	78929	lncRNA-antisense	-1.48	1.71E-03	1.54E-02
ENSG00000237767	LINC01370	20	40004216	40011323	7107	lncRNA	-1.48	5.82E-03	3.35E-02
ENSG00000251391	AC092353.1	5	66298394	66393521	95127	lncRNA	-1.48	3.70E-03	2.53E-02
ENSG00000188153	COL4A5	X	108439838	108697545	257707	protein coding	-1.48	3.25E-04	5.43E-03
ENSG00000200314	Y RNA	6	106454828	106454929	101	misc RNA	-1.48	2.16E-03	1.79E-02
ENSG00000079101	CLUL1	18	596988	650334	53346	protein coding	-1.48	3.56E-03	2.47E-02
ENSG00000204362	LINC02783	1	17189783	17197617	7834	lncRNA	-1.48	2.01E-03	1.71E-02
ENSG00000235366	LINC01055	13	45680184	45701184	21000	lncRNA	-1.48	9.90E-03	4.71E-02
ENSG00000214553	LRRC37A11P	17	39027277	39053205	25928	transcribed unprocessed pseudogene	-1.48	2.88E-04	4.99E-03
ENSG00000205424	PCBP3-AS1	21	45827961	45837987	10026	lncRNA-antisense	-1.48	2.77E-04	4.87E-03
ENSG00000167751	KLK2	19	50861568	50880567	18999	protein coding	-1.48	3.69E-04	5.89E-03
ENSG00000131737	KRT34	17	41377650	41382403	4753	protein coding	-1.48	4.96E-03	3.03E-02
ENSG00000204869	IGFL4	19	46039748	46077118	37370	protein coding	-1.48	9.97E-04	1.10E-02
ENSG00000215277	RNF212B	14	23185316	23273477	88161	protein coding	-1.48	1.53E-03	1.43E-02
ENSG00000204952	FBXO47	17	38936432	38967403	30971	protein coding	-1.48	3.41E-03	2.40E-02
ENSG00000279480	AC138466.4	12	132200436	132201287	851	TEC	-1.48	9.65E-03	4.63E-02
ENSG00000127241	MASP1	3	187217282	187291980	74698	protein coding	-1.48	1.08E-05	5.48E-04
ENSG00000287372	AL627316.1	1	90388193	90420396	32203	lncRNA	-1.48	7.58E-03	3.97E-02
ENSG00000235054	LINC01777	1	4412027	4424689	12662	lncRNA	-1.48	4.57E-04	6.72E-03
ENSG00000181143	MUC16	19	8848844	8981342	132498	protein coding	-1.48	7.75E-13	5.41E-10
ENSG00000226133	LINC02794	1	48050659	48091736	41077	lncRNA	-1.48	4.94E-03	3.02E-02
ENSG00000137225	CAPN11	6	44158811	44184401	25590	protein coding	-1.48	5.58E-05	1.68E-03
ENSG00000161850	KRT82	12	52393931	52406335	12404	protein coding	-1.48	8.80E-04	1.01E-02
ENSG00000148082	SHC3	9	89005771	89178818	173047	protein coding	-1.48	2.35E-06	1.80E-04
ENSG00000279160	AC009336.2	2	176189919	176192538	2619	TEC	-1.48	1.06E-02	4.93E-02
ENSG00000261177	AC135012.1	16	86081409	86089526	8117	lncRNA	-1.48	2.95E-05	1.08E-03
ENSG00000226191	CLK3P2	1	247936061	247937513	1452	processed pseudogene	-1.48	7.35E-03	3.90E-02
ENSG00000172554	SNTG2	2	950849	1367613	416764	protein coding	-1.48	8.00E-06	4.38E-04
ENSG00000279852	AC083964.2	8	486117	488512	2395	TEC	-1.48	3.77E-03	2.56E-02
ENSG00000184374	COLEC10	8	118995452	119108455	113003	protein coding	-1.48	9.27E-03	4.51E-02
ENSG00000073598	FNDC8	17	35121615	35130732	9117	protein coding	-1.48	2.05E-03	1.73E-02
ENSG00000074410	CAI2	15	63321378	63381846	60468	protein coding	-1.48	1.04E-05	5.30E-04
ENSG00000187079	TEAD1	11	12674421	12944737	270316	protein coding	-1.48	3.80E-06	2.62E-04
ENSG00000262313	AC127496.3	17	80940418	80942033	1615	lncRNA-antisense	-1.48	2.14E-03	1.78E-02
ENSG00000283538	AC005972.3	17	62910021	62968549	58528	lncRNA	-1.48	5.50E-04	7.61E-03
ENSG00000172379	ARN2	15	80404350	80597933	193583	protein coding	-1.48	1.93E-05	8.24E-04
ENSG00000179813	FAM216B	13	42781550	42791549	9999	protein coding	-1.48	5.75E-03	3.32E-02
ENSG00000225526	MKRN2OS	3	12514934	12561059	46125	protein coding	-1.48	1.36E-03	1.33E-02
ENSG00000257398	AC126177.3	12	107809483	107864562	55079	lncRNA	-1.49	3.35E-04	5.55E-03
ENSG00000135888	GPCR5A	12	12891559	12917937	26378	protein coding	-1.49	3.23E-03	2.31E-02
ENSG00000187855	ASCL4	12	107774385	107776644	2259	protein coding	-1.49	3.59E-03	2.48E-02
ENSG00000151632	AKR1C2	10	4987400	5018031	30631	protein coding	-1.49	7.37E-04	9.10E-03
ENSG00000268949	MRPS17P1	1	44988705	44991834	3129	processed pseudogene	-1.49	3.64E-03	2.50E-02
ENSG00000179447	SLC24A3-AS1	20	19242302	19284596	42294	lncRNA-antisense	-1.49	1.92E-03	1.66E-02
ENSG00000213856	VDAC1P2	X	49632500	49633349	849	processed pseudogene	-1.49	1.08E-02	4.97E-02
ENSG00000214491	SEC14L6	22	30522799	30546682	23883	protein coding	-1.49	2.77E-03	2.10E-02
ENSG00000233111	RAB1C	9	37636688	37637293	605	processed pseudogene	-1.49	1.35E-03	2.26E-02
ENSG00000165124	SVEP1	9	110365248	110579880	214632	protein coding	-1.49	1.25E-05	6.07E-04
ENSG00000108417	KRT37	17	41420547	41424585	4038	protein coding	-1.49	1.43E-03	1.38E-02
ENSG00000259541	AP001150.1	11	120249759	120265932	16173	lncRNA-antisense	-1.49	2.17E-03	1.80E-02
ENSG00000130368	MAS1	6	159890988	159917447	26459	protein coding	-1.49	4.84E-04	6.96E-03
ENSG00000250072	SH3TC2-DT	5	149063254	149129578	66324	lncRNA	-1.49	7.53E-03	3.95E-02
ENSG00000143536	CRNN	1	152409243	152414263	5020	protein coding	-1.49	4.61E-03	2.90E-02
ENSG0000007062	PROM1	4	15963076	16084378	121302	protein coding	-1.49	1.29E-05	6.19E-04
ENSG00000226631	SLC9A3P3	10	50025135	50027363	2228	processed pseudogene	-1.49	2.43E-03	1.92E-02
ENSG00000168418	KCNGB4	16	84218667	84239750	21083	protein coding	-1.49	2.07E-05	8.57E-04
ENSG00000187537	POTEG	14	19402486	19434341	31855	protein coding	-1.49	2.00E-03	1.71E-02
ENSG00000170324	FRMPD2	10	48153088	48274696	121608	protein coding	-1.49	1.16E-05	5.78E-04
ENSG00000250979	AC022905.1	8	72202751	72251565	48814	unprocessed pseudogene	-1.49	7.95E-04	9.53E-03
ENSG00000157111	TMEM171	5	73120569	73131809	11240	protein coding	-1.49	4.84E-04	6.96E-03
ENSG00000237525	AC012668.3	2	215533133	215713895	180762	lncRNA	-1.49	2.32E-03	1.87E-02
ENSG00000229976	AL118523.1	20	39757202	39815097	57895	lncRNA	-1.49	4.24E-03	2.75E-02
ENSG00000214719	AC005562.1	17	30576464	30672789	96325	lncRNA	-1.49	2.29E-06	2.12E-04
ENSG00000238099	LINC01625	6	139435636	139474658	39022	lncRNA	-1.49	5.93E-04	7.40E-03
ENSG00000122180	MYOQ	1	203083129	203086012	2883	protein coding	-1.49	6.65E-03	3.65E-02
ENSG00000286393	Z97192.4	22	49662312	49664968	2656	lncRNA	-1.49	1.10E-03	1.17E-02
ENSG00000249026	CTNNA1P1	5	115389643	115392370	2727	processed pseudogene	-1.49	5.24E-03	3.13E-02
ENSG00000163072	NOSTRIN	2	168786539	168865514	78975	protein coding	-1.49	4.98E-04	7.09E-03
ENSG00000254968	LINC02763	11	112393118	112624567	231449	lncRNA	-1.49	6.01E-04	8.05E-03
ENSG00000251191	LINC00589	X	29673922	29748109	74187	lncRNA	-1.49	7.22E-03	3.85E-02
ENSG00000236751	LINC01186	8	46256759	46327680	70921	lncRNA	-1.49	6.44E-03	3.57E-02
ENSG00000233821	ENOX1-AS1	13	43543918	43548056	4138	lncRNA	-1.49	7.07E-03	3.79E-02
ENSG00000166509	CLEC3A	16	78022515	78066761	44246	protein coding	-1.49	9.94E-03	4.72E-02
ENSG00000134533	RERG	12	15107783	15348675	240892	protein coding	-1.49	9.75E-04	1.08E-02
ENSG00000287088	AP001066.1	21	44530172	44533145	2973	lncRNA	-1.49	4.91E-03	3.01E-02
ENSG00000227098	AC073636.1	2	176830839	176849428	18589	lncRNA	-1.49	6.02E-03	3.42E-02
ENSG00000287786	AC113615.2	4	6178186	6184925	6739	lncRNA	-1.49	5.54E-03	3.24E-02
ENSG00000176601	MAP3K19	2	134964485	135047468	82983	protein coding	-1.49	3.49E-04	5.67E-03
ENSG00000173702	MUC13	3	124905442	124953819	48377	protein coding	-1.49	8.02E-04	9.58E-03

ENSG00000223843	EFCAB6-AS1	22	43516107	43560063	43956	lncRNA-antisense	-1.49	6.27E-04	8.29E-03
ENSG00000260555	AC092681.2	7	150000752	150005124	4372	lncRNA	-1.50	2.74E-03	2.09E-02
ENSG00000287133	AC007279.1	2	201643398	201645990	2592	lncRNA	-1.50	7.53E-03	3.95E-02
ENSG00000182366	FAM87A	8	375931	384079	8148	lncRNA	-1.50	1.80E-04	3.67E-03
ENSG00000215246	AC116351.1	5	987180	997308	10128	lncRNA-antisense	-1.50	1.56E-03	1.45E-02
ENSG00000279302	AC013643.3	8	27701194	27703789	2595	TEC	-1.50	2.63E-03	2.03E-02
ENSG00000261190	C16orf97	16	52005487	52078474	72987	lncRNA	-1.50	8.69E-03	4.33E-02
ENSG00000236109	AC013402.3	2	104583138	104621767	38629	lncRNA	-1.50	8.90E-03	4.39E-02
ENSG00000280217	AC126564.1	12	131235511	131237523	2012	TEC	-1.50	1.89E-03	1.64E-02
ENSG00000213509	PPIAP16	3	57941818	57942304	486	processed pseudogene	-1.50	4.45E-03	2.84E-02
ENSG00000263878	DLGAP1-AS4	18	3962353	4024150	61797	lncRNA-antisense	-1.50	3.59E-03	2.48E-02
ENSG00000249717	PARM1-AS1	4	74955974	74970362	14388	lncRNA-antisense	-1.50	7.07E-03	3.79E-02
ENSG00000273024	INTS4P2	7	65647823	65718688	70865	transcribed unprocessed pseudogene	-1.50	4.63E-03	2.91E-02
ENSG00000185985	SLITRK2	X	145817829	145829856	12027	protein coding	-1.50	7.31E-05	2.04E-03
ENSG00000282021	AC100810.3	8	1758208	1760447	2239	lncRNA	-1.50	8.40E-04	9.85E-03
ENSG00000288537	AL162391.2	9	126270121	126275918	5797	lncRNA	-1.50	7.17E-03	3.83E-02
ENSG00000175318	GRAMD2A	15	72159806	72197787	37981	protein coding	-1.50	6.90E-06	3.98E-04
ENSG00000235023	AP001626.1	21	42648271	42651244	2973	lncRNA-antisense	-1.50	6.88E-04	8.75E-03
ENSG00000286618	AC131944.1	4	87974385	88008477	34092	lncRNA	-1.50	5.37E-03	3.17E-02
ENSG00000287044	AL139106.1	6	108441880	108558286	116406	lncRNA	-1.50	3.42E-03	2.40E-02
ENSG00000188124	OR2A2	11	6756626	6771976	6350	protein coding	-1.50	3.41E-03	2.40E-02
ENSG00000227790	SPECC1P1	17	15829369	15908632	79263	transcribed unprocessed pseudogene	-1.50	1.01E-02	4.77E-02
ENSG00000286505	AC087468.2	15	84913144	84915705	2561	lncRNA	-1.50	5.03E-03	3.05E-02
ENSG00000234279	LINC01937	2	238554541	238740849	186308	lncRNA	-1.50	1.02E-02	4.79E-02
ENSG00000171560	FGA	4	154583128	154590745	7617	protein coding	-1.50	4.43E-03	2.83E-02
ENSG00000186867	QRFRP	4	121328642	121381059	52417	protein coding	-1.50	1.97E-03	1.69E-02
ENSG00000261634	AC026992.2	15	69278328	69298795	20467	lncRNA-antisense	-1.50	1.23E-03	1.25E-02
ENSG00000137819	PAQR5	15	69298912	69407780	108868	protein coding	-1.50	4.09E-04	6.29E-03
ENSG00000235979	AC004448.2	17	19417769	19492991	75222	lncRNA	-1.50	6.63E-04	8.56E-03
ENSG00000237728	CAMTA1-AS2	1	7382487	7389754	7267	lncRNA-antisense	-1.50	6.66E-03	3.65E-02
ENSG00000178125	PPP1R42	8	66964099	67056604	92505	protein coding	-1.50	8.45E-03	4.26E-02
ENSG00000202354	RNY3	7	148983755	148983856	101	misc RNA	-1.50	6.88E-04	8.75E-03
ENSG00000259854	AP005233.1	11	69414307	69416832	2525	lncRNA	-1.50	3.92E-04	6.12E-03
ENSG00000267026	AL136084.1	9	98847172	98872415	25243	lncRNA-antisense	-1.50	2.91E-04	5.01E-03
ENSG00000164669	INTS4P1	7	65141032	65234216	93184	transcribed unprocessed pseudogene	-1.50	3.59E-05	1.24E-03
ENSG00000102048	ASB9	X	15235288	15270467	35179	protein coding	-1.50	1.30E-03	1.29E-02
ENSG00000168631	MUC13	6	30934523	30954221	19698	protein coding	-1.50	4.69E-03	2.93E-02
ENSG00000227868	TEX46	1	23010834	23015852	5018	protein coding	-1.50	8.11E-03	4.15E-02
ENSG00000280309	AC023300.3	15	74299503	74304527	5024	TEC	-1.50	1.06E-03	1.15E-02
ENSG00000145692	BHMT	5	79111809	79132288	20479	protein coding	-1.50	2.70E-03	2.06E-02
ENSG00000272321	AP003355.2	8	98436669	98439290	2621	lncRNA-antisense	-1.50	2.07E-03	1.74E-02
ENSG00000237343	AC246785.3	1	144418113	144419192	1079	lncRNA	-1.50	4.85E-03	2.99E-02
ENSG00000280182	AC131888.1	16	81261924	81264091	2167	TEC	-1.50	5.34E-03	3.16E-02
ENSG00000137821	LRRCA9	15	70853239	71053658	200419	protein coding	-1.50	2.43E-05	9.53E-04
ENSG00000184809	B3GAL15-AS1	21	39597147	39612910	15763	lncRNA-antisense	-1.50	1.16E-04	2.78E-03
ENSG00000226835	ARHGAP29-AS1	1	94247819	94411036	163217	lncRNA	-1.51	5.76E-04	7.83E-03
ENSG00000236501	AC074286.1	2	176989418	177164656	175238	lncRNA	-1.51	4.88E-04	7.00E-03
ENSG00000204933	CD177P1	19	43372742	43379123	6381	unprocessed pseudogene	-1.51	4.35E-03	2.79E-02
ENSG00000159398	CESSA	16	55846154	55956031	109877	protein coding	-1.51	5.57E-04	7.67E-03
ENSG00000236230	AL356108.1	1	222088806	222389103	300297	lncRNA	-1.51	9.60E-03	4.61E-02
ENSG00000229212	AC044860.1	15	85180200	85234795	54595	transcribed unprocessed pseudogene	-1.51	1.09E-02	5.00E-02
ENSG00000234693	RIPOR3-AS1	20	50645471	50662275	16804	lncRNA-antisense	-1.51	7.33E-03	3.89E-02
ENSG00000224743	TEX26-AS1	13	30881933	30933846	51913	lncRNA-antisense	-1.51	1.43E-03	1.38E-02
ENSG00000156076	WIF1	12	65050626	65121305	70679	protein coding	-1.51	1.26E-03	1.27E-02
ENSG00000288253	AC010332.3	19	52453580	52458936	5256	lncRNA	-1.51	3.79E-06	2.52E-04
ENSG00000280073	AL157996.1	14	69357010	69359308	2298	TEC	-1.51	2.93E-03	2.17E-02
ENSG00000188039	NWD1	19	16719847	16817963	98116	protein coding	-1.51	1.69E-05	7.47E-04
ENSG00000286032	FP236383.6	21	8465254	8465586	332	TEC	-1.51	1.89E-03	1.64E-02
ENSG00000279217	Z95114.1	22	36071000	36085573	14573	lncRNA	-1.51	2.33E-04	4.33E-03
ENSG00000260392	AC090518.1	15	56542952	56629592	86640	lncRNA	-1.51	1.50E-03	1.42E-02
ENSG00000242611	AC093627.6	7	77038	81178	4140	lncRNA	-1.51	1.14E-03	1.20E-02
ENSG00000249743	AC116345.1	5	73213930	73295258	81328	lncRNA	-1.51	9.26E-04	1.05E-02
ENSG00000254094	AC078852.2	4	1356581	1358075	1494	lncRNA-sense intronic	-1.51	3.49E-03	2.43E-02
ENSG00000273396	LINC01396	4	4844188	4850827	6639	lncRNA	-1.51	1.75E-03	1.56E-02
ENSG00000287029	AL162713.2	13	43786781	43814798	28017	lncRNA	-1.51	2.26E-03	1.84E-02
ENSG00000171872	KLF17	1	44118821	44135140	16319	protein coding	-1.51	1.92E-04	3.82E-03
ENSG00000229037	MRPL32P2	X	53807776	53808623	847	processed pseudogene	-1.51	4.69E-03	2.93E-02
ENSG00000199622	RN7SKP20	X	13596236	13596548	312	misc RNA	-1.51	4.87E-03	2.99E-02
ENSG00000253554	LINC01414	8	63687179	64369176	681997	lncRNA	-1.51	3.24E-03	2.32E-02
ENSG00000219073	CEL3A3B	1	21977022	21998642	21620	protein coding	-1.51	8.30E-03	4.21E-02
ENSG00000249695	AC028369.1	12	137411	149169	11758	lncRNA-antisense	-1.51	1.82E-04	3.70E-03
ENSG00000273644	AC215522.1	7	37032	37477	445	processed pseudogene	-1.51	6.19E-03	3.48E-02
ENSG00000257639	AC005632.2	16	21532945	21550373	17428	unprocessed pseudogene	-1.51	3.09E-03	2.25E-02
ENSG00000260848	AC092114.1	16	73543927	73569309	25382	lncRNA	-1.51	4.75E-03	2.95E-02
ENSG00000275830	AL390755.1	13	109988097	110129136	141039	lncRNA	-1.51	8.38E-04	9.84E-03
ENSG00000130649	CYP2E1	10	133520406	133561220	40814	protein coding	-1.51	3.30E-08	6.54E-06
ENSG00000227115	LINC01630	18	51346249	51643939	297690	lncRNA	-1.51	3.32E-06	2.33E-04
ENSG00000286990	AC016026.2	22	17800722	17802035	1313	lncRNA	-1.52	6.22E-03	3.49E-02
ENSG00000124391	IL17C	16	88638572	88640468	1896	protein coding	-1.52	9.94E-04	1.10E-02
ENSG00000186513	OR9Q2	11	58189070	58194053	4983	protein coding	-1.52	2.29E-03	1.86E-02
ENSG00000281450	PANDAR	6	36673621	36675126	1505	lncRNA	-1.52	9.76E-03	4.67E-02
ENSG00000101440	ASIP	20	34194569	34269344	74775	protein coding	-1.52	4.76E-03	2.95E-02
ENSG00000284601	AL590440.2	1	54974900	54980464	5564	lncRNA-bidirectional promoter	-1.52	3.98E-03	2.66E-02
ENSG00000104760	FGL1	8	17864380	17910365	45985	protein coding	-1.52	1.99E-03	1.70E-02
ENSG00000170848	PSG6	19	42902086	42919563	17477	protein coding	-1.52	3.44E-04	5.62E-03
ENSG00000109255	NMU	4	55595229	55636698	41469	protein coding	-1.52	5.44E-03	3.20E-02
ENSG00000259256	LINC01895	18	3347696	3383532	35836	lncRNA	-1.52	9.29E-03	4.51E-02
ENSG00000268066	FMR1-AS1	X	147909431	147911817	2386	lncRNA	-1.52	2.30E-03	1.86E-02
ENSG00000204695	OR14J1	6	29301701	29313017	11316	protein coding	-1.52	1.27E-03	1.28E-02
ENSG00000173673	HES3	1	6244179	6245578	1399	protein coding	-1.52	4.00E-03	2.66E-02

ENSG00000261742	LINC00922	16	65284496	65576345	291849	lncRNA	-1.52	4.61E-03	2.90E-02
ENSG00000283608	AL031056.2	6	149246095	149255415	9320	lncRNA	-1.52	5.69E-03	3.30E-02
ENSG00000162753	SLC9C2	1	173500460	173603072	102812	protein coding	-1.52	1.27E-04	2.93E-03
ENSG00000232451	AC018467.1	2	23018125	23199056	180931	lncRNA	-1.52	2.93E-03	2.17E-02
ENSG00000286733	LINC02348	15	101602786	101614531	11745	lncRNA	-1.52	8.50E-06	4.54E-04
ENSG00000286414	AL390791.1	9	88735041	88803716	68675	lncRNA	-1.52	6.58E-03	3.62E-02
ENSG00000175329	ISX	22	35066136	35087387	21251	protein coding	-1.52	3.80E-03	2.57E-02
ENSG00000233399	LINC01648	1	30013952	30037612	23660	lncRNA	-1.52	5.72E-03	3.31E-02
ENSG00000259447	AC013652.2	15	39300418	39310782	10364	lncRNA	-1.52	9.95E-03	4.73E-02
ENSG00000287707	AC115284.4	3	51927071	51932483	5162	lncRNA	-1.52	2.02E-04	3.94E-03
ENSG00000243818	AC021074.3	3	142912116	142942537	30421	lncRNA-antisense	-1.52	3.18E-03	2.29E-02
ENSG00000243710	CFAP57	1	43172330	43254358	82028	protein coding	-1.52	1.31E-05	6.26E-04
ENSG00000151812	SLC35F4	14	57563920	57982194	418274	protein coding	-1.52	8.97E-04	1.03E-02
ENSG00000265222	AC079336.2	17	32509954	32523424	13470	lncRNA-sense intronic	-1.52	8.89E-03	4.39E-02
ENSG00000243193	PRKAR2B-AS1	7	107066591	107133733	67142	lncRNA	-1.52	4.31E-03	2.78E-02
ENSG00000232762	AL355483.2	1	53304536	53307462	2926	lncRNA-antisense	-1.52	4.43E-03	2.83E-02
ENSG00000175311	ANKS4B	16	21233699	21253850	20151	protein coding	-1.52	7.77E-04	9.41E-03
ENSG00000285080	AC068724.3	15	43106225	43185779	79554	lncRNA-antisense	-1.52	3.44E-03	2.41E-02
ENSG00000157884	CIB4	2	26581205	26641366	60161	protein coding	-1.52	9.98E-03	4.74E-02
ENSG00000286722	AC009244.1	7	129366827	129374486	7659	lncRNA	-1.52	5.21E-03	3.13E-02
ENSG00000253771	TPTE2P1	13	24924677	24968847	43810	transcribed unprocessed pseudogene	-1.52	9.89E-04	1.09E-02
ENSG00000286326	Z95115.2	22	26597028	26611453	14425	lncRNA	-1.52	2.82E-05	1.05E-03
ENSG00000230508	RPL19P21	X	150993501	150994091	590	processed pseudogene	-1.52	9.26E-04	1.05E-02
ENSG00000224318	CHL1-AS2	3	109707	197341	87634	lncRNA	-1.52	4.02E-03	2.67E-02
ENSG00000176654	NANOGP1	12	7890801	79001140	9339	transcribed unprocessed pseudogene	-1.52	6.96E-03	3.76E-02
ENSG00000268416	AC010329.1	19	20746923	20755250	8327	lncRNA	-1.52	1.44E-03	1.38E-02
ENSG00000205212	CCDC14ANL	17	20836447	20896140	59693	transcribed unprocessed pseudogene	-1.52	6.00E-04	8.05E-03
ENSG00000180667	YOD1	1	207043849	207052980	9131	protein coding	-1.52	1.74E-13	1.57E-10
ENSG00000230461	PROX1-AS1	1	213817751	213988508	170757	lncRNA	-1.52	6.00E-05	1.75E-03
ENSG00000239218	RPS20P2	8	38434347	38435664	1317	transcribed processed pseudogene	-1.52	7.53E-03	3.95E-02
ENSG00000255216	AP001360.1	11	120008044	120013620	5576	lncRNA	-1.52	2.99E-04	5.12E-03
ENSG00000227764	LINC01693	1	211639440	211654627	15187	lncRNA	-1.52	3.79E-03	2.57E-02
ENSG00000228127	LINC01649	1	115904855	115931616	26761	lncRNA	-1.52	8.02E-03	4.12E-02
ENSG00000205143	ARID3C	9	34621379	34628086	6707	protein coding	-1.52	1.11E-03	1.18E-02
ENSG00000086717	PPEF1	X	18675909	18827921	152012	protein coding	-1.52	4.50E-05	1.45E-03
ENSG00000278891	AC105101.1	18	48147634	48150864	3230	TEC	-1.52	2.01E-03	1.71E-02
ENSG00000260788	AC009063.2	16	83720402	83772974	52572	lncRNA-antisense	-1.52	1.10E-04	2.68E-03
ENSG00000064655	EY2A	20	46894624	47188844	294220	protein coding	-1.52	5.58E-05	1.68E-03
ENSG00000186377	CYP4X1	1	47023669	47050751	27082	protein coding	-1.53	5.60E-04	7.69E-03
ENSG00000285769	AP003100.2	11	112637342	112751131	113789	lncRNA	-1.53	2.36E-04	4.37E-03
ENSG00000170423	KRT78	12	52837904	52849092	11288	protein coding	-1.53	1.47E-03	1.40E-02
ENSG00000147255	IGSF1	X	131273506	131578899	305393	protein coding	-1.53	4.23E-05	1.38E-03
ENSG00000223806	LINC00114	21	38733890	38747460	13570	lncRNA	-1.53	4.03E-03	2.67E-02
ENSG00000268388	FENDDR	16	86474529	86509099	34570	lncRNA	-1.53	1.21E-05	5.95E-04
ENSG00000286785	LINC01622	6	958323	1101400	143077	lncRNA	-1.53	5.45E-04	7.57E-03
ENSG00000261762	AC027228.2	15	78589123	78591276	2153	lncRNA-antisense	-1.53	1.00E-02	4.75E-02
ENSG00000264448	MIR378D2HG	8	93915734	93916682	948	lncRNA	-1.53	9.58E-03	4.61E-02
ENSG00000121101	TEX14	17	58556678	58692055	135377	protein coding	-1.53	1.83E-06	1.51E-04
ENSG00000183643	C15orf32	15	92471654	92501117	29463	lncRNA	-1.53	1.09E-02	5.00E-02
ENSG00000101448	EPPIN	20	45540626	45547752	7126	protein coding	-1.53	4.16E-03	2.72E-02
ENSG00000287242	AC073593.2	12	124786783	124808790	22007	lncRNA	-1.53	8.63E-03	4.31E-02
ENSG00000224609	HSD5D	1	59131932	59296491	164559	lncRNA	-1.53	2.70E-06	2.00E-04
ENSG00000175832	ETV4	17	43527844	43579620	51776	protein coding	-1.53	1.21E-04	2.84E-03
ENSG00000259720	AC009562.1	15	30992171	31042302	50131	lncRNA-antisense	-1.53	8.66E-03	4.32E-02
ENSG00000153012	LIG2	4	24998847	25030946	32099	protein coding	-1.53	3.36E-04	5.56E-03
ENSG00000226673	LINC01108	6	14280127	14285454	5327	lncRNA	-1.53	1.73E-03	1.54E-02
ENSG00000280277	AL079342.3	6	88964527	88966587	2080	TEC	-1.53	5.74E-03	3.32E-02
ENSG00000287354	AL034351.4	1	210362861	210366948	4087	lncRNA	-1.53	7.07E-03	3.79E-02
ENSG00000185467	KPNA7	7	99173574	99207506	33932	protein coding	-1.53	3.53E-03	2.45E-02
ENSG00000144290	SLCA4A	2	161424332	161985282	509590	protein coding	-1.53	6.69E-06	3.89E-04
ENSG00000279220	PRP1-AS	2	206203543	206265326	61783	lncRNA	-1.53	6.34E-03	3.53E-02
ENSG00000269102	AC010320.3	19	52284780	52297920	13140	lncRNA-antisense	-1.53	1.06E-02	4.91E-02
ENSG00000130957	FBP2	9	94558720	94593824	35104	protein coding	-1.53	5.21E-03	3.13E-02
ENSG00000279460	AC112243.1	4	184984277	184988127	3850	TEC	-1.53	4.78E-03	2.96E-02
ENSG00000172146	OR1A1	17	3207539	3218896	11357	protein coding	-1.53	1.52E-03	1.43E-02
ENSG00000177462	OR2T8	1	247920252	247921956	1704	protein coding	-1.53	7.40E-03	3.91E-02
ENSG00000251455	AC092611.1	4	151674483	151677893	3410	lncRNA-antisense	-1.53	1.27E-03	1.28E-02
ENSG00000280061	AC011504.1	19	30553956	30558058	4102	TEC	-1.53	2.18E-03	1.81E-02
ENSG00000225057	AC012485.1	2	238231684	238255633	23949	lncRNA	-1.53	1.27E-03	1.28E-02
ENSG00000233048	LINC01722	20	12865202	12952519	87317	lncRNA	-1.53	2.75E-03	2.09E-02
ENSG00000257884	AL512310.7	14	19677837	19680104	2267	transcribed processed pseudogene	-1.53	2.02E-04	3.94E-03
ENSG00000174990	CASA	16	87881546	87936580	55034	protein coding	-1.53	3.54E-04	5.74E-03
ENSG00000284837	AC007846.1	17	5772234	5930696	158462	lncRNA	-1.53	7.43E-03	3.92E-02
ENSG00000236908	LINC02827	12	3318718	3325343	6625	lncRNA	-1.53	4.23E-03	2.75E-02
ENSG00000238276	AL354863.1	10	118241468	118267710	26242	lncRNA	-1.53	6.16E-04	8.18E-03
ENSG00000120952	PRAMEF2	1	12857086	12861909	4823	protein coding	-1.53	5.06E-03	3.07E-02
ENSG00000203688	LINC02487	6	167679626	167696290	16664	lncRNA	-1.53	1.42E-03	1.37E-02
ENSG00000257771	LINC02395	12	49900311	49932784	32453	lncRNA	-1.54	8.37E-05	2.26E-03
ENSG00000150175	FRMPD2B	10	46870858	46894562	23704	unprocessed pseudogene	-1.54	7.29E-03	3.87E-02
ENSG00000163581	SLC2A2	3	170996347	171026743	30396	protein coding	-1.54	4.45E-03	2.84E-02
ENSG00000287003	AC008674.1	5	173757562	173773164	15602	lncRNA	-1.54	5.63E-03	3.27E-02
ENSG00000285269	AL160269.1	9	96235331	96352058	116727	protein coding	-1.54	1.41E-03	1.37E-02
ENSG00000287756	AL031293.1	1	14774469	14777727	3258	lncRNA	-1.54	6.13E-03	3.46E-02
ENSG00000236130	PTCSC2	9	97699625	97853080	153455	lncRNA	-1.54	3.62E-04	5.81E-03
ENSG00000196132	MYT1	20	64102394	64242253	139859	protein coding	-1.54	1.79E-05	7.85E-04
ENSG00000259925	AC130456.2	16	19343647	19401693	58046	lncRNA	-1.54	6.16E-03	3.47E-02
ENSG00000167858	TEK1	17	6789133	6831761	42628	protein coding	-1.54	7.32E-04	9.06E-03
ENSG00000172324	OR5A2	11	59416969	59426412	9443	protein coding	-1.54	2.34E-03	1.88E-02
ENSG00000145283	SLC10A6	4	86823468	86849384	25916	protein coding	-1.54	4.85E-03	2.99E-02
ENSG00000188869	TMC3	15	81331088	81374213	43125	protein coding	-1.54	9.18E-05	2.39E-03

ENSG00000235790	PEF1-AS1	1	31644049	31660162	16113	lncRNA-antisense	-1.54	1.55E-05	6.99E-04
ENSG00000267440	LINC02594	17	43679341	43706709	27368	lncRNA	-1.54	6.66E-03	3.65E-02
ENSG00000231009	CUBN1P1	10	42694371	42714575	20204	unprocessed pseudogene	-1.54	9.66E-03	4.63E-02
ENSG00000255428	AP002008.3	11	111414242	111418186	3944	lncRNA-sense intronic	-1.54	5.28E-03	3.15E-02
ENSG00000249550	LINC01234	12	113583886	113773726	189840	lncRNA	-1.54	4.21E-05	1.38E-03
ENSG00000204296	TSPB1	6	32288526	32371912	83386	protein coding	-1.54	2.05E-03	1.73E-02
ENSG00000233542	AL391845.2	1	2013213	2015639	2426	lncRNA-antisense	-1.54	7.85E-04	9.47E-03
ENSG00000174502	SLC26A9	1	205913048	205943460	30412	protein coding	-1.54	9.67E-05	2.47E-03
ENSG00000287055	AL359813.1	6	43370026	43425283	55257	lncRNA	-1.54	4.28E-03	2.77E-02
ENSG00000284430	AC020912.1	19	31100304	31147981	47677	lncRNA	-1.54	2.09E-04	4.02E-03
ENSG00000138068	SULT6B1	2	37167820	37196598	28778	protein coding	-1.54	4.70E-03	2.93E-02
ENSG00000272702	AC010913.1	2	73113018	73115907	2889	lncRNA	-1.54	8.97E-03	4.41E-02
ENSG00000123560	PLP1	X	103773718	103792619	18901	protein coding	-1.54	1.16E-03	1.21E-02
ENSG00000272372	AC009102.2	16	56351886	56353524	1638	lncRNA-antisense	-1.54	1.15E-03	1.20E-02
ENSG00000225249	LINC00378	13	60618991	61176758	557767	lncRNA	-1.54	1.68E-03	1.52E-02
ENSG00000287792	AC140118.2	12	131350844	131371721	20877	lncRNA	-1.54	4.17E-04	6.35E-03
ENSG00000241635	UGT1A1	2	233760270	233773300	13030	protein coding	-1.54	4.15E-03	2.72E-02
ENSG00000170961	HAS2	8	121612116	121641440	29324	protein coding	-1.54	3.10E-03	2.25E-02
ENSG00000279796	AL133384.2	10	114424445	114427398	2953	TEC	-1.54	1.00E-03	1.11E-02
ENSG00000261260	AC106736.1	16	71288775	71309963	21188	lncRNA	-1.54	2.73E-03	2.08E-02
ENSG00000145321	GC	4	71741696	71804041	62345	protein coding	-1.54	5.70E-03	3.30E-02
ENSG00000237775	DDR1-DT	6	30866982	30875918	8936	lncRNA-antisense	-1.54	5.32E-03	3.16E-02
ENSG00000132321	IQCA1	2	236324147	236507535	183388	protein coding	-1.54	2.88E-05	1.07E-03
ENSG00000283554	LINC02341	13	42339188	42485956	146768	lncRNA	-1.54	3.64E-03	2.50E-02
ENSG00000233503	HNRNPLP1	6	7481094	7482594	1500	processed pseudogene	-1.54	3.82E-03	2.58E-02
ENSG00000287278	AL353800.2	10	33384891	33390935	6044	lncRNA	-1.54	7.78E-03	4.04E-02
ENSG00000198580	AC073343.1	7	6673494	6676366	2872	unprocessed pseudogene	-1.54	9.35E-03	4.54E-02
ENSG00000188910	GJB3	3	34781214	34786369	5155	protein coding	-1.54	5.71E-04	7.79E-03
ENSG0000027020	AL590096.1	13	20564708	20567045	2337	lncRNA-antisense	-1.55	2.44E-03	1.93E-02
ENSG00000234255	AC012370.2	2	65439838	65456571	16733	lncRNA	-1.55	7.86E-03	4.06E-02
ENSG00000197532	ORY1	1	158544550	158554405	9855	protein coding	-1.55	8.02E-03	4.12E-02
ENSG00000231548	OR55B1P	11	4146112	4151104	4992	transcribed unitary pseudogene	-1.55	8.46E-03	4.26E-02
ENSG00000223949	ROR1-AS1	1	64094379	64171342	76963	lncRNA-antisense	-1.55	3.28E-04	5.47E-03
ENSG00000172689	MS4A10	11	60785333	60801305	15972	protein coding	-1.55	8.76E-05	2.32E-03
ENSG00000227043	LINC01682	1	229812917	229892046	79129	lncRNA	-1.55	2.78E-03	2.10E-02
ENSG00000271602	KRT8P49	11	4722740	47247171	1431	processed pseudogene	-1.55	1.06E-02	4.93E-02
ENSG0000010379	SLC6A13	12	220621	2262873	42252	protein coding	-1.55	1.20E-05	5.89E-04
ENSG00000285804	AC025774.1	5	72087782	72108000	20218	lncRNA-antisense	-1.55	4.98E-03	3.04E-02
ENSG00000267308	LINC01764	19	15827005	15835853	8848	lncRNA	-1.55	2.90E-03	2.16E-02
ENSG00000287583	AC018685.3	2	2697490	2701812	4322	lncRNA	-1.55	2.09E-04	4.03E-03
ENSG00000261175	LINC02188	16	86710122	86742083	31961	lncRNA	-1.55	1.04E-04	2.59E-03
ENSG00000100867	DHRS2	14	23630115	23645639	15524	protein coding	-1.55	6.84E-05	1.93E-03
ENSG00000165192	ASB11	X	15281697	15315640	33943	protein coding	-1.55	4.23E-03	2.75E-02
ENSG00000278725	AC020765.4	16	28602340	28604519	2179	unprocessed pseudogene	-1.55	5.40E-03	3.18E-02
ENSG00000235779	AC079779.3	2	290941	314373	23432	lncRNA	-1.55	2.02E-04	3.94E-03
ENSG00000184647	PRSS55	8	10525532	10554166	28634	protein coding	-1.55	1.26E-04	2.91E-03
ENSG00000285051	SLC7A14-AS1	3	170448639	170860993	412354	lncRNA	-1.55	2.05E-05	8.56E-04
ENSG00000285606	AC079200.1	8	10275499	10279737	4238	lncRNA-antisense	-1.55	2.15E-03	1.79E-02
ENSG00000197565	COL4A6	X	108155607	108439497	283890	protein coding	-1.55	3.32E-05	1.18E-03
ENSG00000176253	OR4K13	14	20029399	20036038	6639	protein coding	-1.55	3.28E-03	2.34E-02
ENSG00000276170	AC244153.1	17	38450394	38452444	2050	lncRNA	-1.55	3.53E-03	2.45E-02
ENSG00000259523	AC022613.2	15	29822631	29824081	1450	lncRNA-antisense	-1.55	3.62E-03	2.50E-02
ENSG00000173769	TOPAZ1	3	44241886	44332098	90212	protein coding	-1.55	4.29E-04	6.45E-03
ENSG00000258590	NBEAF1	15	20657638	20688408	30770	transcribed unprocessed pseudogene	-1.55	9.48E-06	4.93E-04
ENSG00000133020	MYH8	17	10390322	10421950	31628	protein coding	-1.55	4.41E-05	1.43E-03
ENSG00000286353	AC115282.1	3	54057690	54125377	67687	lncRNA	-1.55	5.78E-03	3.33E-02
ENSG00000287243	THCAT155	12	3483714	3492819	9105	lncRNA	-1.55	1.08E-03	1.16E-02
ENSG00000238212	LINC02096	17	14834557	14957216	122659	lncRNA	-1.55	1.10E-03	1.17E-02
ENSG00000277159	AL139384.2	13	112602828	112606417	3589	lncRNA	-1.55	1.24E-03	1.26E-02
ENSG00000226288	ORS212	11	4581743	4593340	11597	protein coding	-1.55	4.90E-03	3.01E-02
ENSG00000213822	CEACAM18	19	51478622	51490952	12330	protein coding	-1.55	2.35E-03	1.88E-02
ENSG00000198028	ZNF560	19	9466355	9498616	32261	protein coding	-1.55	5.61E-03	3.26E-02
ENSG00000286773	AL353593.3	1	228329467	228331191	1724	lncRNA	-1.56	9.31E-03	4.52E-02
ENSG00000260071	AC012178.1	16	9365540	9518325	152785	lncRNA	-1.56	3.60E-04	5.79E-03
ENSG00000198300	PEG3	19	56810077	56840728	30651	protein coding	-1.56	1.29E-04	2.96E-03
ENSG00000259648	AL132640.2	14	67614929	67616626	1697	transcribed processed pseudogene	-1.56	5.60E-03	3.26E-02
ENSG00000112761	CCN6	6	112054075	112069866	15611	protein coding	-1.56	4.62E-03	2.90E-02
ENSG00000149452	SLC22A8	11	62989154	63015841	26687	protein coding	-1.56	7.16E-05	2.01E-03
ENSG00000178997	EXD1	15	41182725	41230743	48018	protein coding	-1.56	1.55E-03	1.45E-02
ENSG00000267247	AP005264.2	18	12230411	12231573	1162	lncRNA	-1.56	9.53E-03	4.59E-02
ENSG00000259705	AC084757.3	15	48645951	48652016	6065	lncRNA	-1.56	6.42E-03	3.56E-02
ENSG00000173335	CS19	20	23602410	23605917	3507	protein coding	-1.56	6.38E-03	3.55E-02
ENSG00000234949	AC104667.2	2	237591020	237595981	4961	lncRNA-antisense	-1.56	5.52E-03	3.23E-02
ENSG00000183862	CNGA2	X	151738451	151745304	6853	protein coding	-1.56	3.64E-03	2.50E-02
ENSG00000140945	CDH13	16	82626965	83800640	1173675	protein coding	-1.56	2.22E-06	1.74E-04
ENSG00000276975	HYDIN2	1	146472566	146914294	441728	transcribed unprocessed pseudogene	-1.56	1.27E-05	6.11E-04
ENSG00000260613	Z98885.2	22	49832449	49838901	6452	lncRNA	-1.56	4.87E-03	2.99E-02
ENSG00000285424	AL162718.1	6	4304942	4583871	278929	lncRNA	-1.56	2.86E-03	2.14E-02
ENSG00000255583	AC084357.3	12	63682523	63724935	42412	transcribed unprocessed pseudogene	-1.56	6.97E-03	3.76E-02
ENSG00000264589	MAPT-AS1	17	45799390	45895680	96290	lncRNA-antisense	-1.56	1.45E-05	6.71E-04
ENSG00000171360	KRT38	17	41436154	41440983	4829	protein coding	-1.56	3.85E-03	2.59E-02
ENSG00000179165	PXT1	6	36390551	36442854	52303	protein coding	-1.56	3.13E-03	2.27E-02
ENSG00000254863	LINC02744	11	119987952	119995037	7085	lncRNA	-1.56	2.34E-03	1.88E-02
ENSG00000234988	LINC01849	2	100603752	100611542	7790	lncRNA	-1.56	2.45E-03	1.93E-02
ENSG00000231764	DLX6-AS1	7	96955141	97014088	58947	lncRNA-antisense	-1.56	6.96E-06	3.99E-04
ENSG00000226521	AC087499.2	17	20716481	20737127	20646	transcribed unprocessed pseudogene	-1.56	1.44E-03	1.38E-02
ENSG00000204616	TRIM31	6	30102897	30113090	10193	protein coding	-1.56	5.72E-04	7.79E-03
ENSG00000204532	ZSCAN5C	19	56202301	56209452	7151	protein coding	-1.56	4.51E-03	2.86E-02
ENSG00000183778	B3GANL5	21	39556442	39673137	116695	protein coding	-1.56	1.79E-06	1.48E-04
ENSG00000165078	CPA6	8	67422038	67746378	324340	protein coding	-1.56	1.28E-03	1.28E-02

ENSG0000284708	AL031731.1	1	11623558	11643416	19858	lncRNA-antisense	-1.56	5.48E-03	3.22E-02
ENSG0000198535	C2CD4A	15	62066977	62070917	3940	protein coding	-1.56	1.12E-03	1.18E-02
ENSG0000101333	PLCB4	20	9068763	9481242	412479	protein coding	-1.56	3.31E-06	2.33E-04
ENSG0000182035	ADIG	20	38581195	38588463	7268	protein coding	-1.56	1.20E-03	1.24E-02
ENSG0000204518	AADACL4	1	12644547	12667086	22539	protein coding	-1.56	1.85E-03	1.62E-02
ENSG0000200867	RN7SKP36	4	7112088	7112399	311	misc RNA	-1.56	6.04E-03	3.43E-02
ENSG0000214803	AC090921.1	8	124192671	124247398	54727	lncRNA	-1.56	9.39E-03	4.55E-02
ENSG0000280395	AL034546.1	22	50092745	50096437	3692	lncRNA-sense overlapping	-1.56	6.31E-03	3.52E-02
ENSG0000231256	CFAP97D1	17	43780435	43787620	7185	protein coding	-1.56	3.70E-04	5.91E-03
ENSG0000255087	AP001993.1	11	127021736	127172363	150627	lncRNA	-1.56	6.61E-06	3.86E-04
ENSG0000286538	AC008798.2	19	29838532	29841818	3286	lncRNA	-1.56	3.92E-03	2.63E-02
ENSG0000204897	KRT25	17	40748021	40755331	7310	protein coding	-1.56	6.81E-03	3.71E-02
ENSG0000164744	SUN3	7	47987148	48029119	41971	protein coding	-1.56	1.24E-04	2.89E-03
ENSG0000246740	PLA2G4E-AS1	15	41972763	41999094	26331	lncRNA-antisense	-1.56	6.02E-04	8.05E-03
ENSG0000169126	ARMC4	10	27775186	27999079	223893	protein coding	-1.56	2.67E-04	4.76E-03
ENSG0000134020	PEBP4	8	22713251	23000000	286749	protein coding	-1.56	4.30E-05	1.40E-03
ENSG0000102239	BRS3	X	136487947	136493780	5833	protein coding	-1.56	5.49E-03	3.22E-02
ENSG0000250041	AC069360.1	11	10884158	10899384	15206	lncRNA	-1.56	2.77E-03	2.10E-02
ENSG0000182261	NLRP10	11	7957537	7965426	7889	protein coding	-1.56	1.19E-03	1.23E-02
ENSG0000237222	LINC01968	3	194708093	194826008	117915	lncRNA	-1.56	1.48E-04	3.24E-03
ENSG0000235033	DAAM2-AS1	6	39881804	39900071	18267	lncRNA-antisense	-1.56	4.00E-06	2.62E-04
ENSG0000235358	AC093151.2	1	41242373	41284861	42488	lncRNA	-1.56	2.19E-05	8.89E-04
ENSG0000095627	TDRD1	10	114179270	114232304	53034	protein coding	-1.56	1.01E-04	2.54E-03
ENSG0000132911	NMUR2	5	152391546	152433368	41822	protein coding	-1.56	5.91E-03	3.38E-02
ENSG0000204393	NOL4L-DT	20	32564992	32608893	43901	lncRNA	-1.57	3.30E-03	2.35E-02
ENSG0000273987	AC121761.2	12	75333798	75334486	688	lncRNA-sense intronic	-1.57	7.81E-03	4.04E-02
ENSG0000202412	RNY3P13	3	129818932	129819033	101	misc RNA	-1.57	2.64E-03	2.03E-02
ENSG0000166292	TMEM100	17	55719627	55732121	12494	protein coding	-1.57	7.62E-03	3.98E-02
ENSG0000287161	AC093519.2	16	86899356	86961268	61912	lncRNA	-1.57	3.68E-04	5.88E-03
ENSG0000207546	MIR548C	12	64622509	64622605	96	miRNA	-1.57	6.05E-03	3.44E-02
ENSG0000286592	LINC02885	22	34756676	35002862	246186	lncRNA	-1.57	8.62E-03	4.30E-02
ENSG0000185662	SMIM23	5	171782432	171796126	13694	protein coding	-1.57	3.68E-03	2.52E-02
ENSG0000253164	AC023403.1	8	20350210	20372769	22559	lncRNA	-1.57	5.16E-03	3.11E-02
ENSG0000071203	MS4A12	11	60492778	60507430	14652	protein coding	-1.57	3.69E-03	2.52E-02
ENSG0000284513	AC006063.2	12	4960113	4963450	3337	lncRNA	-1.57	8.60E-03	4.30E-02
ENSG0000288162	AL596442.4	6	170135374	170142926	7552	lncRNA	-1.57	6.71E-03	3.67E-02
ENSG0000163705	FANCD2OS	3	10081317	10108255	26938	protein coding	-1.57	2.45E-03	1.93E-02
ENSG0000225742	LINC02302	3	194202392	194250203	47811	lncRNA	-1.57	1.52E-03	1.43E-02
ENSG000027268	LHX1-DT	17	36861674	36936670	74996	lncRNA-antisense	-1.57	6.38E-04	8.37E-03
ENSG0000179428	IL6-AS1	7	22725395	22727620	2225	lncRNA-antisense	-1.57	4.01E-03	2.67E-02
ENSG0000237626	AL161629.1	9	89825964	90019549	193585	lncRNA	-1.57	9.23E-05	2.39E-03
ENSG0000280011	AL031595.2	22	44210442	44229512	19070	lncRNA-antisense	-1.57	9.56E-07	9.28E-05
ENSG0000253238	AC034114.2	8	80265907	80484481	218574	lncRNA	-1.57	9.13E-04	1.04E-02
ENSG0000235470	NEURL1-AS1	10	103479603	103517393	37790	lncRNA-antisense	-1.57	5.34E-03	3.16E-02
ENSG0000201221	RNU4-40P	20	35887659	35887801	142	snRNA	-1.57	7.50E-03	3.94E-02
ENSG0000229717	AC110615.1	4	75822966	75838389	15423	lncRNA-antisense	-1.57	1.04E-02	4.87E-02
ENSG0000261504	LINC01686	1	182615254	182616629	1375	lncRNA	-1.57	2.29E-03	1.86E-02
ENSG0000233363	AC006019.2	7	154092201	154096043	3842	lncRNA-antisense	-1.57	5.01E-03	3.04E-02
ENSG0000237224	AL157832.2	10	129693722	129702117	8395	lncRNA-antisense	-1.57	4.35E-04	6.51E-03
ENSG0000268654	MIMT1	19	56840866	56848556	7690	lncRNA	-1.58	6.80E-03	3.70E-02
ENSG0000211452	DIO1	1	53891239	53911086	19847	protein coding	-1.58	3.04E-04	5.18E-03
ENSG0000164616	FBXL21P	5	135930317	135951591	21274	transcribed unitary pseudogene	-1.58	2.23E-03	1.83E-02
ENSG0000254008	LINC00051	8	142198356	142209003	10647	lncRNA-antisense	-1.58	2.26E-03	1.84E-02
ENSG0000257943	AC084879.1	12	95311312	95442482	131170	transcribed unitary pseudogene	-1.58	3.30E-03	2.35E-02
ENSG0000276710	CSPG4P10	15	82459472	82477258	17786	transcribed unprocessed pseudogene	-1.58	2.46E-06	1.87E-04
ENSG0000163793	DNAJC5G	2	27275433	27281499	6066	protein coding	-1.58	3.96E-03	2.64E-02
ENSG0000260913	LINC01254	18	10405133	10414515	9382	lncRNA	-1.58	6.02E-04	8.05E-03
ENSG0000233760	AC004947.1	7	26551686	26558880	7194	lncRNA	-1.58	1.76E-03	1.56E-02
ENSG0000152254	G6PC2	2	168901291	168910000	8709	protein coding	-1.58	7.75E-03	4.02E-02
ENSG0000282419	TEX13D	X	124426249	124336863	90614	protein coding	-1.58	6.96E-04	8.80E-03
ENSG0000230666	CEACAM22P	19	44537058	44620821	83763	transcribed unprocessed pseudogene	-1.58	3.13E-04	5.27E-03
ENSG0000058085	LAMC2	1	183186238	183245127	58889	protein coding	-1.58	1.69E-04	3.52E-03
ENSG0000180806	HOXC9	12	53994895	54003337	8442	protein coding	-1.58	1.11E-03	1.18E-02
ENSG0000267313	KC6	18	41465783	41632185	166402	lncRNA	-1.58	1.54E-03	1.44E-02
ENSG0000121388	AL139327.1	13	19182038	19187618	5580	transcribed unprocessed pseudogene	-1.58	7.63E-03	3.98E-02
ENSG0000224679	MED15P4	2	131535187	131536988	1801	unprocessed pseudogene	-1.58	2.59E-03	2.01E-02
ENSG0000226277	AC105393.1	2	421057	424059	3002	lncRNA	-1.58	1.31E-03	1.30E-02
ENSG0000204033	LRI2	10	84220571	84225544	4973	protein coding	-1.58	2.20E-03	1.81E-02
ENSG0000183760	ACP7	19	39083913	39111493	27580	protein coding	-1.58	3.05E-04	5.19E-03
ENSG0000267646	AC008543.5	19	11796084	11798598	2514	lncRNA-antisense	-1.58	5.99E-03	3.41E-02
ENSG0000137674	MMP20	11	102576832	102625332	48500	protein coding	-1.58	2.44E-03	1.93E-02
ENSG0000168356	SCN11A	3	38845764	39052157	206393	protein coding	-1.58	2.55E-07	3.41E-05
ENSG0000181123	AC004832.1	22	30475364	30492804	17440	lncRNA-antisense	-1.58	4.58E-04	6.73E-03
ENSG0000223944	AL353604.1	1	37154761	37325100	170339	lncRNA	-1.58	1.49E-03	1.41E-02
ENSG0000169327	OR5AU1	14	21148370	21159060	10690	protein coding	-1.58	6.64E-04	8.57E-03
ENSG0000273274	ZBTBB8	1	32465072	32496686	31614	protein coding	-1.59	1.02E-04	2.55E-03
ENSG0000285812	AL390719.3	1	1097585	1104598	7013	lncRNA-antisense	-1.59	1.68E-03	1.52E-02
ENSG0000188828	GLRA4	X	103702210	103728655	26445	protein coding	-1.59	3.50E-04	5.69E-03
ENSG0000141934	PLPP2	19	281040	291403	10363	protein coding	-1.59	8.74E-06	4.64E-04
ENSG0000226562	CYP4F26P	9	33580695	33607874	27179	lncRNA	-1.59	1.86E-03	1.62E-02
ENSG0000259420	AC046168.2	15	77568970	77608888	39918	lncRNA	-1.59	3.28E-03	2.34E-02
ENSG0000154975	CA10	17	51630313	52160017	529704	protein coding	-1.59	5.63E-05	1.69E-03
ENSG0000244675	AC108676.1	3	194496317	194501503	5186	lncRNA-sense overlapping	-1.59	1.50E-03	1.42E-02
ENSG0000280623	PCAT14	22	23536881	23547797	10916	lncRNA	-1.59	1.43E-03	1.38E-02
ENSG0000171671	SHANK2-AS3	11	70862790	70865115	2325	lncRNA-antisense	-1.59	4.87E-03	2.99E-02
ENSG0000117472	TPSPAN1	1	46175073	46185962	10889	protein coding	-1.59	3.67E-03	2.52E-02
ENSG0000243167	RPS10P28	19	42670005	42670816	811	processed pseudogene	-1.59	9.74E-03	4.66E-02
ENSG0000268864	AC011487.2	19	53599628	53608451	8823	transcribed unprocessed pseudogene	-1.59	6.97E-04	8.80E-03
ENSG0000260777	AC061975.1	17	28263634	28266369	2735	lncRNA	-1.59	6.35E-03	3.55E-02
ENSG0000205497	OR51A4	11	4942831	4947605	4774	protein coding	-1.59	6.69E-03	3.66E-02

ENSG00000138356	AOX1	2	200586014	200677064	91050	protein coding	-1.59	8.13E-05	2.20E-03
ENSG00000231317	AC091812.1	7	55656768	55678490	21722	unprocessed pseudogene	-1.59	7.67E-03	4.00E-02
ENSG00000259361	LINC00927	15	80263068	80341805	78737	lncRNA	-1.59	1.25E-03	1.27E-02
ENSG00000238266	LINC00707	10	6779549	6879450	99901	lncRNA	-1.59	2.90E-04	5.00E-03
ENSG00000285750	AL157385.2	10	24816331	24822950	6619	lncRNA	-1.59	8.28E-03	4.21E-02
ENSG00000231754	AL512380.1	6	21521678	21523783	2105	lncRNA	-1.59	6.79E-03	3.70E-02
ENSG00000230023	LINC02800	1	24200240	24211693	11453	lncRNA	-1.59	7.02E-03	3.78E-02
ENSG00000287608	AC022137.3	19	53434661	53473936	39275	lncRNA	-1.59	2.01E-03	1.71E-02
ENSG00000255556	AC087203.2	8	12378679	12380265	1586	processed pseudogene	-1.59	1.12E-04	2.71E-03
ENSG00000236052	LINC01643	22	34017422	34218796	201374	lncRNA	-1.59	1.42E-04	3.15E-03
ENSG00000215478	CESS5A1	22	23359603	23387731	28128	transcribed unprocessed pseudogene	-1.59	7.92E-03	4.08E-02
ENSG00000168509	HJV	1	146017468	146036746	19278	protein coding	-1.59	2.37E-03	1.89E-02
ENSG00000279628	AC131280.1	15	20658900	20664970	6070	TEC	-1.59	2.20E-05	8.90E-04
ENSG00000197309	OR10D3	11	124183345	124188780	5435	protein coding	-1.59	6.91E-03	3.74E-02
ENSG00000132464	ENAM	4	70628744	70646824	18080	protein coding	-1.59	3.52E-03	2.45E-02
ENSG00000233684	LINC01865	2	317912	342118	24206	lncRNA	-1.59	5.00E-03	3.04E-02
ENSG00000277535	AL772284.1	X	119073226	119076373	3147	protein coding	-1.59	7.76E-03	4.03E-02
ENSG00000267733	AP005264.4	18	12201982	12223539	21557	transcribed processed pseudogene	-1.59	3.46E-05	1.21E-03
ENSG00000228392	AL162391.1	9	126286999	126298593	11594	lncRNA	-1.59	1.71E-04	3.55E-03
ENSG00000254645	AC087379.1	11	15701265	15758898	57633	lncRNA	-1.60	4.48E-03	2.85E-02
ENSG00000234170	LINC02645	10	2368561	2502200	133639	lncRNA	-1.60	6.61E-05	1.88E-03
ENSG00000205312	KRT17P4	17	16847635	16852777	5142	transcribed unprocessed pseudogene	-1.60	3.46E-03	2.42E-02
ENSG00000172421	EFCAB3	17	62343941	62416480	72539	protein coding	-1.60	1.23E-03	1.25E-02
ENSG00000157330	C1orf158	1	12746200	12763699	17499	protein coding	-1.60	4.94E-04	7.05E-03
ENSG00000255968	AC024145.1	12	26318953	26421462	102509	lncRNA-antisense	-1.60	7.23E-03	3.85E-02
ENSG00000274403	AC090510.2	15	42726583	42727211	628	lncRNA-antisense	-1.60	9.45E-03	4.57E-02
ENSG00000254983	AC025300.1	11	12303533	12308216	4683	lncRNA-sense intronic	-1.60	8.34E-03	4.22E-02
ENSG00000253302	STAU2-AS1	8	73420004	73441526	21522	lncRNA-antisense	-1.60	2.71E-03	2.07E-02
ENSG00000244681	MTHFD2P1	3	95654423	95683193	28770	transcribed processed pseudogene	-1.60	4.23E-03	2.75E-02
ENSG00000253633	AP002852.1	8	102528740	102539943	11203	lncRNA	-1.60	2.02E-03	1.72E-02
ENSG00000232926	AC000078.1	22	19887289	19887970	681	processed pseudogene	-1.60	5.18E-03	3.12E-02
ENSG00000267413	LINC01901	18	39841174	39924840	83666	lncRNA	-1.60	7.70E-03	4.01E-02
ENSG00000215009	ACSM4	12	7304284	7328724	24440	protein coding	-1.60	3.93E-03	2.63E-02
ENSG00000253574	AC021744.1	8	139911238	139916620	5382	lncRNA-antisense	-1.60	9.32E-03	4.52E-02
ENSG00000226869	LHFPL3-AS1	7	104738597	104804107	65510	lncRNA	-1.60	3.75E-03	2.55E-02
ENSG00000260120	AC104066.3	4	52680609	52692999	12390	lncRNA	-1.60	8.44E-03	4.26E-02
ENSG00000248698	LINC01085	4	14111968	14140052	28084	transcribed processed pseudogene	-1.60	5.37E-03	3.18E-02
ENSG00000279110	AL022323.3	22	25052122	25065241	13119	lncRNA-antisense	-1.60	3.36E-07	4.15E-05
ENSG00000253678	AC104964.1	8	10476591	10479446	2855	lncRNA	-1.60	4.32E-03	2.79E-02
ENSG00000126785	RHOJ	14	63204114	63293508	89394	protein coding	-1.60	1.12E-03	1.18E-02
ENSG00000271755	AL031118.1	6	27404010	27408964	2954	lncRNA	-1.60	5.12E-03	3.09E-02
ENSG00000267150	AC006557.1	18	14089935	14091019	1084	lncRNA-antisense	-1.60	9.69E-03	4.64E-02
ENSG00000101306	MYLK2	20	31819308	31834689	15381	protein coding	-1.60	2.78E-04	4.87E-03
ENSG00000145888	GLRA1	5	151822513	151924851	102338	protein coding	-1.60	2.85E-03	2.13E-02
ENSG00000176635	HORMAD2	22	30080464	30177075	96611	protein coding	-1.60	7.63E-03	3.98E-02
ENSG00000279581	AC073862.2	12	130980667	130981367	700	TEC	-1.60	1.07E-02	4.93E-02
ENSG00000164326	CARTPT	5	71719275	71721048	1773	protein coding	-1.60	8.82E-03	4.37E-02
ENSG00000215866	LINC01356	1	112820170	112850643	30473	lncRNA	-1.60	4.62E-05	1.48E-03
ENSG00000261610	AP000265.1	21	32259804	32261585	1781	lncRNA	-1.60	2.46E-04	4.49E-03
ENSG00000233478	AL031280.1	1	25644544	25659111	14567	lncRNA-antisense	-1.60	4.31E-04	6.47E-03
ENSG00000280177	AC004408.2	17	39165073	39167849	2776	TEC	-1.60	3.72E-04	5.93E-03
ENSG00000224090	AC097468.1	2	219002215	219015721	13506	lncRNA-antisense	-1.60	1.08E-02	4.98E-02
ENSG00000243319	FGF14-IT1	13	102293237	102394519	102192	lncRNA-sense intronic	-1.60	6.07E-03	3.44E-02
ENSG00000183888	SRARP	1	16004236	16008807	4571	protein coding	-1.60	1.37E-03	1.34E-02
ENSG00000265313	LINC01476	17	59422088	59526946	104858	lncRNA	-1.60	9.25E-05	2.39E-03
ENSG00000286033	CR381670.2	21	8762386	8836565	74179	lncRNA	-1.60	1.75E-04	3.61E-03
ENSG00000167755	KLK6	19	50958631	50969673	11042	protein coding	-1.60	1.81E-03	1.59E-02
ENSG00000258535	AL079307.1	14	51765276	51825422	60146	lncRNA-sense overlapping	-1.60	3.38E-04	5.57E-03
ENSG00000266976	AC079466.1	19	28606688	28615229	8541	lncRNA	-1.60	1.35E-03	1.33E-02
ENSG00000164188	RANBP3L	5	36246913	36302114	55201	protein coding	-1.60	1.01E-03	1.11E-02
ENSG00000189280	GJB5	1	34755047	34758512	3465	protein coding	-1.60	4.29E-03	2.78E-02
ENSG00000260019	LINC01992	17	27928924	27991787	62863	lncRNA	-1.60	1.75E-04	3.61E-03
ENSG00000225279	AL121987.1	1	160062461	160080769	18308	lncRNA-antisense	-1.61	5.53E-03	3.23E-02
ENSG00000286113	AC022868.1	8	73879046	73882733	3687	lncRNA-bidirectional promoter	-1.61	8.11E-03	4.15E-02
ENSG00000263278	AC233701.1	17	79598032	79603921	5889	lncRNA-sense intronic	-1.61	6.27E-04	8.29E-03
ENSG00000258464	AL160237.1	14	23699797	23729757	29960	lncRNA	-1.61	6.96E-04	8.80E-03
ENSG00000170983	LINC00208	8	11576257	11582817	6560	lncRNA	-1.61	1.22E-03	1.25E-02
ENSG00000269444	AC011491.2	19	6386762	6390400	3638	lncRNA-sense overlapping	-1.61	9.16E-03	4.48E-02
ENSG00000259555	AC067863.1	15	78625895	78628193	2298	lncRNA-antisense	-1.61	5.32E-03	3.16E-02
ENSG00000228789	HCG22	6	31053450	31059890	6440	transcribed unitary pseudogene	-1.61	2.50E-03	1.96E-02
ENSG00000229537	LINC01739	1	62975751	63022504	46753	lncRNA	-1.61	4.37E-03	2.80E-02
ENSG00000272381	LINC02664	10	31187715	31261910	74195	lncRNA	-1.61	8.07E-04	9.61E-03
ENSG00000227375	DLG1-AS1	3	197298252	197303755	5503	lncRNA-antisense	-1.61	2.49E-03	1.95E-02
ENSG00000082126	MP4	2	201644870	201698694	53824	protein coding	-1.61	4.03E-05	1.33E-03
ENSG00000153904	DDAH1	1	85318481	85578363	259882	protein coding	-1.61	1.31E-05	6.26E-04
ENSG00000276807	AC022188.1	15	73730048	73731711	1663	lncRNA	-1.61	4.96E-03	3.03E-02
ENSG00000105550	FGF21	19	48755524	48758333	2809	protein coding	-1.61	7.43E-03	3.92E-02
ENSG00000274659	LINC02371	12	2740064	2746662	6598	lncRNA	-1.61	7.45E-04	9.15E-03
ENSG00000285985	LINC02689	11	1350359	1364286	13927	lncRNA	-1.61	5.73E-04	7.80E-03
ENSG00000188959	C9orf152	9	110190048	110208189	18141	protein coding	-1.61	2.13E-04	4.08E-03
ENSG00000237579	LINC01514	10	101173630	101194147	17841	lncRNA	-1.61	4.61E-03	2.90E-02
ENSG00000204290	BTNL2	6	32393963	32407128	13165	protein coding	-1.61	4.53E-03	2.87E-02
ENSG00000220256	AC093802.1	2	239762860	239824764	61904	lncRNA	-1.61	3.24E-05	1.16E-03
ENSG00000267640	AC016582.3	19	37817359	37832160	14801	transcribed unprocessed pseudogene	-1.61	1.55E-06	1.34E-04
ENSG00000232655	LINC01656	22	44443327	44444788	1461	lncRNA	-1.61	5.90E-03	3.38E-02
ENSG00000188488	SERPINA5	14	94561442	94593118	31676	protein coding	-1.61	7.66E-04	9.33E-03
ENSG00000237038	USP17L8	8	7971661	7973253	1592	protein coding	-1.61	1.54E-04	3.20E-03
ENSG00000281196	LINC00934	12	119283825	119303380	19555	lncRNA	-1.61	1.08E-02	4.97E-02
ENSG00000266573	AC018697.1	18	24725762	24986980	261218	lncRNA	-1.61	5.75E-05	2.09E-03
ENSG00000197421	GGT3P	22	18773665	18843399	69734	transcribed unprocessed pseudogene	-1.61	3.06E-03	2.24E-02

ENSG0000204688	OR2H1	6	29457181	29464328	7147	protein coding	-1.61	4.79E-03	2.97E-02
ENSG0000268104	SLC6A14	X	116436606	116461458	24852	protein coding	-1.61	4.45E-03	2.84E-02
ENSG0000236819	LINC01563	17	21075362	21092351	16989	lncRNA	-1.61	6.00E-03	3.42E-02
ENSG0000260604	AL590004.3	6	3904920	3911979	7059	lncRNA	-1.61	2.03E-04	3.94E-03
ENSG0000261664	TTC39A-AS1	1	51329654	51335324	5670	lncRNA-antisense	-1.61	3.11E-03	2.26E-02
ENSG0000230990	AL049649.1	20	11234170	11301525	67355	lncRNA	-1.61	2.88E-03	2.15E-02
ENSG0000160062	ZBTB8A	1	32539427	32605941	66514	protein coding	-1.61	4.09E-04	6.29E-03
ENSG0000205054	LINC01121	2	45164816	45323397	158581	lncRNA	-1.62	1.17E-05	5.80E-04
ENSG0000250799	PRODH2	19	35799988	35813299	13311	protein coding	-1.62	1.18E-04	2.79E-03
ENSG0000163364	LINC01116	2	176629572	176637931	8359	lncRNA	-1.62	1.35E-03	1.33E-02
ENSG0000237880	LINC01885	2	107382715	107748270	365555	lncRNA	-1.62	5.41E-03	3.19E-02
ENSG00002288610	AL161669.4	14	103118351	103120147	1796	lncRNA	-1.62	7.24E-03	3.85E-02
ENSG0000227066	Z98257.1	1	20154171	20160568	6397	lncRNA	-1.62	5.68E-04	7.77E-03
ENSG0000166535	A2M1	12	8822621	8887001	64380	protein coding	-1.62	1.98E-04	3.89E-03
ENSG0000233321	LINC02669	10	3433508	3502915	69407	lncRNA	-1.62	4.73E-06	2.99E-04
ENSG0000197428	OR51D1	11	4637477	4643060	5583	protein coding	-1.62	2.81E-03	2.12E-02
ENSG0000262979	AC124319.1	17	80315651	80316633	982	lncRNA-sense intronic	-1.62	2.50E-03	1.95E-02
ENSG0000253286	AC135166.1	8	123614219	123667248	53029	lncRNA-antisense	-1.62	4.59E-03	2.89E-02
ENSG0000256533	AP002373.2	11	114453064	114454123	1059	processed pseudogene	-1.62	2.81E-03	2.12E-02
ENSG0000249094	AC007834.1	12	109880676	109888467	7791	lncRNA	-1.62	2.19E-03	1.81E-02
ENSG0000230523	LINC01756	1	29329620	29350114	20494	lncRNA	-1.62	1.17E-03	1.21E-02
ENSG0000103310	ZP2	16	21197450	21214510	17060	protein coding	-1.62	2.55E-03	1.99E-02
ENSG0000170613	FAM71B	5	157161846	157166264	4418	protein coding	-1.62	4.51E-03	2.86E-02
ENSG0000228016	RAPGEF4-AS1	2	172677141	172736206	59065	lncRNA-antisense	-1.62	1.60E-03	1.47E-02
ENSG0000227630	LINC01132	1	234724042	234736720	12678	lncRNA	-1.62	1.09E-03	1.16E-02
ENSG0000169006	NTSR2	2	11658178	11670195	12017	protein coding	-1.62	2.22E-04	4.19E-03
ENSG0000258933	LINC02279	14	94960277	94962976	2699	lncRNA	-1.62	4.37E-03	2.80E-02
ENSG0000183709	IFNL2	19	39268396	39270188	1792	protein coding	-1.62	4.08E-03	2.69E-02
ENSG0000268532	LINC02135	16	86286427	86293389	6962	lncRNA	-1.62	4.19E-04	6.37E-03
ENSG0000239810	PRAMEF11	1	12824605	12831410	6805	protein coding	-1.62	6.09E-03	3.45E-02
ENSG0000212232	SNORD17	20	17962710	17962946	236	snoRNA	-1.62	4.04E-05	1.34E-03
ENSG0000232084	LINC01104	2	100208254	100251484	43230	lncRNA	-1.62	2.14E-03	1.78E-02
ENSG0000269504	AC003973.1	19	22017898	22052370	34472	lncRNA	-1.62	6.95E-04	8.80E-03
ENSG0000265750	AC090772.3	18	24159509	24162211	2702	lncRNA	-1.62	5.34E-03	3.16E-02
ENSG0000125999	BP1FB1	20	33273480	33309871	36391	protein coding	-1.62	1.07E-04	2.64E-03
ENSG0000233780	HNRNP1P30	13	20938564	20949599	11035	transcribed processed pseudogene	-1.62	2.91E-03	2.16E-02
ENSG0000183246	RIMBP3C	22	21545678	21551461	5783	protein coding	-1.62	1.64E-03	1.50E-02
ENSG0000271034	AC139700.1	3	70125070	70126609	1539	processed pseudogene	-1.62	6.31E-03	3.52E-02
ENSG0000267075	AC015818.8	17	20545371	20549952	4581	lncRNA	-1.62	7.91E-03	4.08E-02
ENSG0000162493	PDPN	1	13583465	13617957	34492	protein coding	-1.62	2.22E-04	4.19E-03
ENSG0000013293	SLC7A14	3	170459548	170586075	126527	protein coding	-1.63	1.08E-04	2.65E-03
ENSG0000259008	AL355834.1	14	57355446	57359410	3964	lncRNA	-1.63	3.43E-03	2.41E-02
ENSG0000256150	ITFG2-AS1	12	2695765	2812902	117137	lncRNA	-1.63	1.75E-03	1.66E-02
ENSG0000257582	LINC01475	10	99526350	99531177	4827	lncRNA	-1.63	2.44E-03	1.93E-02
ENSG0000255693	LINC02389	12	64883394	64990646	107252	lncRNA	-1.63	5.91E-03	3.38E-02
ENSG0000127472	PLA2G5	1	20028179	20091911	63732	protein coding	-1.63	1.21E-04	2.84E-03
ENSG0000167098	SUN5	20	32983773	33004433	20660	protein coding	-1.63	3.59E-03	2.48E-02
ENSG0000225868	AC018582.1	19	37823722	37855215	31493	transcribed unprocessed pseudogene	-1.63	3.96E-04	6.16E-03
ENSG0000224540	TFDP1P1	1	209232196	209233419	1223	processed pseudogene	-1.63	9.37E-03	4.54E-02
ENSG0000244310	AC093904.3	2	9110457	9116947	6490	lncRNA	-1.63	1.01E-02	4.76E-02
ENSG0000253955	AC008663.2	5	173578275	173585068	6793	lncRNA-antisense	-1.63	5.04E-04	7.14E-03
ENSG0000169876	MUC17	7	101020072	101058859	38787	protein coding	-1.63	8.25E-06	4.47E-04
ENSG0000278890	FP325330.2	22	48052646	48058275	5629	lncRNA	-1.63	1.89E-05	8.12E-04
ENSG0000284693	LINC02806	1	9425094	9440564	15470	lncRNA	-1.63	2.19E-03	1.81E-02
ENSG0000224689	ZNF812P	19	9689924	9700776	10852	transcribed unprocessed pseudogene	-1.63	1.31E-03	1.30E-02
ENSG0000258705	AC245505.2	14	22011910	22014964	3054	processed pseudogene	-1.63	2.32E-03	1.87E-02
ENSG0000258100	LINC02823	12	91327045	91368607	41562	lncRNA	-1.63	6.91E-03	3.74E-02
ENSG00002286339	Z99496.1	6	118565660	118576840	11180	lncRNA	-1.63	1.87E-03	1.63E-02
ENSG0000197332	AC008543.1	19	11639754	11686569	46815	lncRNA	-1.63	5.69E-03	3.30E-02
ENSG0000283365	AC007603.3	16	49954985	49986730	13745	unitary pseudogene	-1.63	6.32E-03	3.53E-02
ENSG0000215853	RPTN	1	152153595	152159228	5633	protein coding	-1.63	3.32E-03	2.36E-02
ENSG0000267204	LINC01782	19	32102088	32105916	3828	lncRNA	-1.63	8.48E-04	9.91E-03
ENSG0000104938	CLEC4M	19	7763210	7769605	6395	protein coding	-1.63	5.09E-03	3.08E-02
ENSG0000233143	DIRC3-AS1	2	217261699	217336120	74421	lncRNA	-1.63	8.54E-04	9.94E-03
ENSG0000264630	PRKCA-AS1	17	66398069	66416854	18785	lncRNA-antisense	-1.63	6.33E-04	8.32E-03
ENSG0000267779	LINC01533	19	32025808	32073809	48001	lncRNA	-1.63	9.60E-05	2.46E-03
ENSG0000187979	FAM230D	22	18178038	18205915	27877	lncRNA-antisense	-1.63	3.78E-03	2.57E-02
ENSG0000101892	ATP1B4	X	120362085	120383249	21164	protein coding	-1.63	4.56E-03	2.88E-02
ENSG0000279968	CCDC28A-AS1	6	138725211	138773652	48441	lncRNA	-1.63	6.30E-04	8.31E-03
ENSG0000130377	ACSBG2	19	6135247	6193094	57847	protein coding	-1.63	3.88E-04	6.09E-03
ENSG0000158486	DNAH3	16	20933111	21159441	226330	protein coding	-1.63	2.51E-06	1.90E-04
ENSG0000203963	Ctorf141	1	67092165	67231853	139688	protein coding	-1.63	1.63E-03	1.49E-02
ENSG0000272217	AL645940.1	6	33246075	33246856	781	lncRNA	-1.63	4.08E-03	2.69E-02
ENSG0000157423	HYD1	16	70802084	71230722	428638	protein coding	-1.63	1.67E-06	1.42E-04
ENSG0000174567	GOLT1A	1	204198163	204213988	15825	protein coding	-1.63	1.03E-03	1.13E-02
ENSG0000225718	AC092100.1	7	69186821	69430923	244102	lncRNA	-1.64	3.07E-03	2.24E-02
ENSG0000226985	LINC01203	X	13333952	13403035	69083	lncRNA	-1.64	8.40E-05	2.26E-03
ENSG0000233932	CTXN2	15	48178122	48203758	25636	protein coding	-1.64	2.51E-03	1.96E-02
ENSG0000222976	RN7SKP94	17	57789449	57789732	283	misc RNA	-1.64	1.63E-03	1.49E-02
ENSG0000287636	AC005229.5	7	148584818	148625479	40661	lncRNA	-1.64	4.38E-03	2.81E-02
ENSG0000238062	SPATA3-AS1	2	230984368	230996032	11664	lncRNA	-1.64	9.89E-05	2.51E-03
ENSG0000286218	AC005040.2	2	106933739	106996534	62795	lncRNA	-1.64	2.92E-04	5.03E-03
ENSG0000228075	BOD1L2	18	57147087	57150410	3323	protein coding	-1.64	8.91E-04	1.02E-02
ENSG0000248100	AC087257.1	12	27547050	27552773	5723	lncRNA	-1.64	6.77E-03	3.69E-02
ENSG0000167104	BPIFB6	20	33031648	33044047	12399	protein coding	-1.64	2.91E-04	5.02E-03
ENSG0000152583	SPARCL1	4	87473335	87531061	57726	protein coding	-1.64	3.23E-03	2.31E-02
ENSG0000275431	AC244100.2	17	35983656	35990270	6614	lncRNA-antisense	-1.64	1.71E-04	3.55E-03
ENSG0000250748	AC025419.1	12	65466820	65642372	175552	lncRNA	-1.64	1.76E-04	3.62E-03
ENSG0000021852	C8B	1	56929207	56966140	36933	protein coding	-1.64	1.92E-03	1.66E-02
ENSG0000259175	AC108451.1	15	80554609	80562944	8335	lncRNA-antisense	-1.64	2.19E-03	1.81E-02

ENSG00000237991	RPL35P1	1	236981339	236981708	369	processed_pseudogene	-1.64	2.32E-04	4.32E-03
ENSG00000263946	AC015818.3	17	20554971	20559410	4439	transcribed_processed_pseudogene	-1.64	8.42E-03	4.25E-02
ENSG00000132297	HHLA1	8	132061486	132111159	49673	protein_coding	-1.64	1.05E-04	2.59E-03
ENSG00000104140	RHOV	15	40872214	40874234	2020	protein_coding	-1.64	1.48E-03	1.40E-02
ENSG00000148798	INA	10	103277138	103290346	13208	protein_coding	-1.64	1.55E-04	3.33E-03
ENSG00000187857	OR6C75	12	55362975	55369279	6304	protein_coding	-1.64	9.28E-04	1.05E-02
ENSG00000235156	TMEM30CP	3	100185687	100211766	26079	transcribed_unitary_pseudogene	-1.64	9.28E-03	4.51E-02
ENSG00000226140	LINC02654	10	16276871	16295858	18987	lncRNA	-1.64	6.71E-03	3.67E-02
ENSG00000184999	SLC22A10	11	63137867	63369718	231851	protein_coding	-1.64	7.30E-04	9.05E-03
ENSG00000225882	LINC01456	X	17970197	18104644	134447	lncRNA	-1.64	8.95E-03	4.41E-02
ENSG00000286950	AC087588.2	12	32755510	32756463	953	lncRNA	-1.64	1.00E-02	4.75E-02
ENSG00000225746	MEG8	14	100894770	101038859	144089	lncRNA	-1.64	1.27E-08	3.02E-06
ENSG00000206142	FAM230H	22	21300990	21325042	24052	lncRNA	-1.64	4.29E-03	2.78E-02
ENSG00000075290	WNT8B	10	100463009	100483744	20735	protein_coding	-1.64	1.60E-03	1.47E-02
ENSG00000187173	LCE2A	1	152698345	152699442	1097	protein_coding	-1.64	8.61E-03	4.30E-02
ENSG00000286043	AC091214.1	12	82673070	82686632	13562	lncRNA	-1.64	6.08E-03	3.44E-02
ENSG00000172137	CALB2	16	71358713	71390436	31723	protein_coding	-1.64	4.36E-04	6.52E-03
ENSG00000228607	AC099342.1	7	20296637	20314512	17875	lncRNA	-1.64	8.58E-03	4.29E-02
ENSG00000249478	AC010307.3	5	133243764	133248781	5017	lncRNA-antisense	-1.64	1.05E-03	1.14E-02
ENSG00000280310	AC092437.1	4	4820405	4821452	1047	TEC	-1.64	6.68E-03	3.66E-02
ENSG00000185792	NLRP9	19	55708438	55738402	29964	protein_coding	-1.64	4.65E-04	6.79E-03
ENSG00000156575	PRG3	11	57376769	57381150	4381	protein_coding	-1.64	1.09E-02	4.98E-02
ENSG00000253656	AC09087.1	8	130595299	130655712	60413	lncRNA	-1.64	3.19E-03	2.29E-02
ENSG00000257985	AC004801.4	12	48011304	48025469	14165	lncRNA-antisense	-1.64	8.44E-03	4.26E-02
ENSG00000206422	LRRC30	18	7231125	7232047	922	protein_coding	-1.64	6.11E-03	3.45E-02
ENSG00000287136	AC073578.5	12	131457018	131458324	1306	lncRNA	-1.64	1.00E-02	4.75E-02
ENSG00000257829	AC121157.1	12	52306616	52308371	1755	lncRNA-antisense	-1.65	9.89E-03	4.71E-02
ENSG00000141338	ABCAB	17	68867289	68955392	88103	protein_coding	-1.65	2.25E-07	3.07E-05
ENSG00000287084	AL355337.1	6	142671980	142681267	9287	lncRNA	-1.65	1.82E-03	1.60E-02
ENSG00000179676	LINC00305	18	64079989	64149088	69099	lncRNA	-1.65	2.64E-03	2.03E-02
ENSG00000260469	INSY1-AS1	15	73752317	73770613	18296	lncRNA	-1.65	4.46E-03	2.84E-02
ENSG00000196946	ZNF705A	12	8157034	8188537	31503	protein_coding	-1.65	9.23E-03	4.50E-02
ENSG00000230753	ZNF341-AS1	20	33787373	33811109	23736	lncRNA-antisense	-1.65	7.04E-03	3.78E-02
ENSG00000249306	LINC01411	5	174336295	174532457	196162	lncRNA	-1.65	3.69E-05	1.27E-03
ENSG00000232685	LINC00442	13	19008259	19026802	18543	lncRNA-antisense	-1.65	1.08E-02	4.97E-02
ENSG00000203395	AC015969.1	2	68361214	68365584	4370	lncRNA-antisense	-1.65	4.51E-03	2.86E-02
ENSG00000235343	LINC01665	22	16746628	16748645	2017	lncRNA	-1.65	6.93E-03	3.75E-02
ENSG00000084734	GCKR	2	27496839	27523684	26845	protein_coding	-1.65	2.77E-04	4.87E-03
ENSG00000285996	AC006116.9	19	56380230	56383924	3694	lncRNA-antisense	-1.65	1.23E-05	6.01E-04
ENSG00000234721	LINC02092	17	73786675	73800966	14291	lncRNA	-1.65	5.39E-04	7.51E-03
ENSG00000261227	AC140912.1	16	73232055	73233970	1915	lncRNA	-1.65	3.17E-03	2.28E-02
ENSG00000287045	AC072028.1	3	142687982	142723881	35899	lncRNA	-1.65	6.45E-03	3.57E-02
ENSG00000285100	AL359555.2	20	38270778	38274020	3242	lncRNA	-1.65	5.70E-04	7.78E-03
ENSG00000229401	MIR5689HG	6	10434316	10456781	22465	lncRNA	-1.65	7.66E-03	3.99E-02
ENSG00000231367	LINC02613	2	38406527	38515934	109407	lncRNA	-1.65	8.76E-04	1.01E-02
ENSG00000258729	AL355102.3	14	96275046	96276723	1677	lncRNA	-1.65	9.83E-03	4.69E-02
ENSG00000258779	LINC01568	16	73386771	73504954	118183	lncRNA	-1.65	9.56E-06	4.96E-04
ENSG00000229116	AL137026.1	10	44282489	44293998	11509	lncRNA	-1.65	4.97E-04	7.08E-03
ENSG00000285773	AL161893.1	13	30388785	30404967	16182	lncRNA	-1.65	2.36E-03	1.89E-02
ENSG00000285595	AC105114.2	18	25196663	25218241	21578	lncRNA-antisense	-1.65	3.69E-03	2.53E-02
ENSG00000256124	LINC01152	17	72030291	72041310	11019	lncRNA	-1.65	1.85E-03	1.62E-02
ENSG00000254299	LINC01944	5	172543403	172559202	15799	lncRNA	-1.65	4.48E-03	2.85E-02
ENSG00000259425	AC011767.1	15	22770523	22776199	5676	transcribed_unprocessed_pseudogene	-1.65	1.58E-04	3.37E-03
ENSG00000169347	GP2	16	20309574	20327808	18234	protein_coding	-1.65	1.91E-04	3.80E-03
ENSG00000255345	AP002957.1	11	79092848	79098003	5155	lncRNA	-1.65	2.39E-03	1.90E-02
ENSG00000287581	AC016549.1	5	14356886	14359285	2399	lncRNA	-1.65	1.33E-03	1.32E-02
ENSG00000231421	AC011840.1	17	30573471	30577000	3529	lncRNA	-1.65	5.48E-04	7.59E-03
ENSG00000280870	MIR325HG	X	76656866	77014532	357666	lncRNA	-1.65	4.83E-03	2.98E-02
ENSG00000203995	ZYG11A	1	52842511	52894998	52487	protein_coding	-1.65	2.70E-05	1.02E-03
ENSG00000163915	IGF2BP2-AS1	3	185712528	185729787	17259	lncRNA-antisense	-1.65	1.20E-03	1.24E-02
ENSG00000233372	AL137076.1	1	30140263	30141607	1344	lncRNA	-1.65	1.02E-03	1.11E-02
ENSG00000204640	NMS	2	100470482	100483280	12798	protein_coding	-1.65	1.02E-02	4.80E-02
ENSG00000224346	BICD1P1	2	200844240	200845461	1221	processed_pseudogene	-1.65	2.43E-03	1.92E-02
ENSG00000233756	DSCAM-IT1	21	40615378	40630767	15389	lncRNA-sense intronic	-1.65	5.06E-03	3.06E-02
ENSG00000136943	CTSV	9	97029677	97039643	9966	protein_coding	-1.65	1.97E-04	3.89E-03
ENSG00000270110	AL353953.2	1	228295549	228303002	7453	lncRNA-antisense	-1.65	5.18E-03	3.12E-02
ENSG00000285675	AC023385.1	8	10118005	10147423	29418	lncRNA-antisense	-1.65	2.35E-03	1.88E-02
ENSG00000287452	AL391477.1	1	181962889	181998985	36096	lncRNA	-1.66	1.00E-03	1.10E-02
ENSG00000285672	AL160396.2	13	114275326	114277323	1997	lncRNA	-1.66	7.18E-03	3.84E-02
ENSG00000171724	VAT1L	16	77788564	77980107	191543	protein_coding	-1.66	5.75E-05	1.70E-03
ENSG00000165182	CXorf58	X	23908006	23939509	31503	protein_coding	-1.66	2.45E-03	1.93E-02
ENSG00000286805	AL138716.1	6	161435098	161446016	10918	lncRNA	-1.66	7.99E-03	4.10E-02
ENSG00000272815	AC098850.4	17	16788057	16816540	28483	lncRNA	-1.66	4.09E-03	2.69E-02
ENSG00000226516	FAM138B	2	113577382	113578852	1470	lncRNA	-1.66	6.85E-03	3.72E-02
ENSG00000231298	MANCR	10	4650158	4678185	28027	lncRNA	-1.66	5.77E-03	3.33E-02
ENSG00000183273	CDC60	12	119334712	119541040	206328	protein_coding	-1.66	6.31E-04	8.31E-03
ENSG00000260505	AC096644.3	1	220401122	220404033	2911	lncRNA	-1.66	1.00E-02	4.75E-02
ENSG00000265702	AC005821.1	17	62699244	62754973	55729	lncRNA-antisense	-1.66	1.79E-04	3.65E-03
ENSG00000273792	AC022898.2	15	60847757	60849068	1311	lncRNA-sense intronic	-1.66	5.62E-03	3.27E-02
ENSG00000253199	LINC02153	8	20972021	20995119	23098	lncRNA	-1.66	5.75E-04	7.82E-03
ENSG00000167139	TBC1D21	15	73873564	73889214	15650	protein_coding	-1.66	1.33E-04	3.02E-03
ENSG00000229349	ACTG1P9	6	46204729	46207386	2657	processed_pseudogene	-1.66	4.25E-04	7.35E-03
ENSG00000244588	RAD21L1	20	1228056	1296421	70365	protein_coding	-1.66	7.31E-04	9.05E-03
ENSG00000198203	SLT1C2	2	108286639	108309915	21276	protein_coding	-1.66	4.22E-05	1.38E-03
ENSG00000276627	AL117372.1	20	60755001	60767279	12278	lncRNA	-1.66	1.23E-04	2.87E-03
ENSG00000239552	HOXB-AS2	17	48557262	48560333	3071	lncRNA-antisense	-1.66	7.48E-03	3.94E-02
ENSG00000158077	NLRP14	11	7020479	7071526	51047	protein_coding	-1.66	5.69E-05	1.69E-03
ENSG00000235486	ANAPC1P6	2	106369724	106378247	8523	unprocessed_pseudogene	-1.66	8.06E-03	4.13E-02
ENSG00000120729	MYOT	5	137867858	137887851	19993	protein_coding	-1.66	8.52E-04	9.93E-03
ENSG00000172742	OR4D9	11	59511368	59520703	9335	protein_coding	-1.66	4.46E-04	6.61E-03

ENSG00000287623	AC037193.1	3	9100803	9104078	3275	lncRNA	-1.66	6.84E-03	3.72E-02
ENSG00000253698	AC138601.1	5	178350867	178352250	1383	lncRNA-antisense	-1.66	1.03E-02	4.83E-02
ENSG00000279301	ORZT11	1	248623557	248635091	11534	protein coding	-1.66	6.03E-03	3.43E-02
ENSG00000280312	Z83836.1	22	47259366	47261007	1641	TEC	-1.66	1.04E-02	4.87E-02
ENSG00000006059	KRT133A	17	41346092	41350828	4736	protein coding	-1.66	8.73E-04	1.01E-02
ENSG00000103023	PRSS54	16	58279997	58295047	15050	protein coding	-1.66	7.43E-04	9.15E-03
ENSG00000240048	DDX50P2	3	154352136	154354799	2663	processed pseudogene	-1.66	4.34E-03	2.79E-02
ENSG00000224647	AC026954.1	17	7330452	7335413	4961	unitary pseudogene	-1.66	3.18E-03	2.29E-02
ENSG00000286115	AC010092.1	2	170890393	170914873	24480	lncRNA	-1.66	7.49E-03	3.94E-02
ENSG00000206903	SNORA24B	15	65285461	65285591	130	snoRNA	-1.66	6.11E-03	3.45E-02
ENSG00000249346	LINC01016	6	33867506	33896914	29408	lncRNA	-1.66	1.14E-05	5.69E-04
ENSG00000271615	ACTG1P22	2	57755428	57766052	10624	transcribed processed pseudogene	-1.66	8.95E-03	4.41E-02
ENSG00000232936	AL157400.2	10	89645272	89652144	6872	lncRNA-antisense	-1.66	8.22E-03	4.18E-02
ENSG00000228151	AC004941.1	7	149398204	149401456	3252	lncRNA-antisense	-1.67	2.67E-04	4.76E-03
ENSG00000162365	CYP4A22	1	47137435	47149735	12300	protein coding	-1.67	1.91E-04	3.80E-03
ENSG00000188525	AC010969.1	2	10001757	10006030	4273	lncRNA-antisense	-1.67	1.85E-03	1.62E-02
ENSG00000207081	AC091133.6	17	48899131	48899748	617	processed pseudogene	-1.67	4.97E-03	3.03E-02
ENSG00000196131	VN1R2	19	53258292	53261837	3545	protein coding	-1.67	1.02E-02	4.79E-02
ENSG00000180532	ZSCAN4	19	57668935	57679152	10217	protein coding	-1.67	2.84E-03	2.13E-02
ENSG00000173572	NLRP13	19	55891699	55932336	40637	protein coding	-1.67	1.24E-04	2.89E-03
ENSG00000277631	PGM5P3-AS1	9	72670	89850	17180	lncRNA	-1.67	5.00E-03	3.04E-02
ENSG00000152954	NRSN1	6	24126186	24154900	28714	protein coding	-1.67	6.61E-04	8.54E-03
ENSG00000262950	AC007861.1	16	49442910	49454109	11199	lncRNA	-1.67	8.70E-04	1.01E-02
ENSG00000229957	AL031687.1	20	46168404	46171237	2833	lncRNA	-1.67	4.56E-03	2.88E-02
ENSG00000236963	LINC01141	1	20360579	20431234	70655	lncRNA	-1.67	4.71E-05	1.50E-03
ENSG00000234141	AC006042.3	7	7948853	7950709	856	lncRNA-antisense	-1.67	9.93E-03	4.72E-02
ENSG00000261033	AC005730.2	17	20008051	20009234	1183	lncRNA-antisense	-1.67	1.78E-03	1.58E-02
ENSG00000286884	AC012060.1	15	26261669	26265918	4249	lncRNA	-1.67	6.06E-03	3.44E-02
ENSG00000260338	LINC010570	16	5596856	5616373	19517	lncRNA-antisense	-1.67	1.79E-04	3.66E-03
ENSG00000234983	AC010132.2	7	42918741	42920084	1343	processed pseudogene	-1.67	8.51E-03	4.27E-02
ENSG00000257060	AC091078.1	15	93230034	93569483	339449	lncRNA	-1.67	6.10E-05	1.77E-03
ENSG00000284665	AC002472.4	22	21071082	21081018	9936	unprocessed pseudogene	-1.67	6.59E-03	3.62E-02
ENSG00000287408	AC027811.1	15	79331591	79337277	5686	lncRNA	-1.67	1.25E-04	2.91E-03
ENSG00000259417	CTXND1	15	80195481	80252213	56732	protein coding	-1.67	1.47E-05	6.75E-04
ENSG00000178586	OROB3	2	240045077	240047027	1950	protein coding	-1.67	7.29E-03	3.87E-02
ENSG00000174930	VN2R1P	3	156019646	156037647	18001	unitary pseudogene	-1.67	5.89E-03	3.37E-02
ENSG00000229613	LINC01501	9	90462899	90583821	120922	lncRNA	-1.67	8.53E-04	9.93E-03
ENSG00000250026	TMPPRS11BNL	4	68184081	68218080	33999	transcribed unprocessed pseudogene	-1.67	7.61E-03	3.98E-02
ENSG00000266248	AC011474.2	19	29489775	29526948	37173	lncRNA-antisense	-1.67	6.17E-03	3.47E-02
ENSG00000249031	SUMO2P6	5	174561776	174562063	287	processed pseudogene	-1.67	8.95E-03	4.41E-02
ENSG00000110680	CALCA	11	14966668	14972351	5683	protein coding	-1.67	1.10E-03	1.17E-02
ENSG00000102243	VGLL1	X	136532215	136556807	24592	protein coding	-1.67	8.63E-03	4.31E-02
ENSG00000261435	AL592164.1	X	39837536	39848358	10822	lncRNA	-1.67	7.46E-03	3.93E-02
ENSG00000169302	STK32A	5	147234963	147387855	152892	protein coding	-1.67	2.26E-05	9.10E-04
ENSG00000267594	CYP4F24P	19	15760241	15779909	19668	unprocessed pseudogene	-1.68	2.75E-04	4.85E-03
ENSG00000279261	PP26T2	1	234757619	234760056	2437	lncRNA	-1.68	2.67E-03	2.05E-02
ENSG00000176194	CIDEA	18	12254361	12277595	23234	protein coding	-1.68	2.35E-04	4.36E-03
ENSG00000176840	MIR7-3HG	19	4769031	4785077	16046	lncRNA	-1.68	4.28E-03	2.77E-02
ENSG00000224666	ETV7-AS1	6	36386831	36393462	6631	lncRNA-antisense	-1.68	3.19E-03	2.29E-02
ENSG00000184148	SPRR4	1	152970648	152972574	1926	protein coding	-1.68	8.12E-03	4.15E-02
ENSG00000158445	KCNB1	20	49293394	49484297	190903	protein coding	-1.68	1.14E-07	1.78E-05
ENSG00000253227	AC090192.2	8	124271667	124279580	7913	lncRNA	-1.68	7.09E-04	8.88E-03
ENSG00000274492	AL121768.1	14	88819608	88822151	2543	lncRNA	-1.68	2.86E-03	2.14E-02
ENSG00000197748	CFAP43	10	104129888	104232364	102476	protein coding	-1.68	2.18E-05	8.88E-04
ENSG00000269927	AC004817.3	3	71141125	71143253	2128	lncRNA	-1.68	4.28E-03	2.77E-02
ENSG00000234238	AC022498.1	14	188107072	188147310	40238	lncRNA	-1.68	7.10E-03	3.80E-02
ENSG00000169035	KLK7	19	50976468	50984099	7631	protein coding	-1.68	2.19E-03	1.81E-02
ENSG00000106823	ECM2	9	92493554	92536655	43101	protein coding	-1.68	1.75E-04	3.62E-03
ENSG00000256292	LINC02376	12	127274265	127284328	10063	lncRNA	-1.68	3.46E-03	2.42E-02
ENSG00000138039	LHCGR	2	48686774	48755730	68956	protein coding	-1.68	4.64E-03	2.91E-02
ENSG00000236769	LINC02659	10	43900874	43912369	11495	lncRNA	-1.68	7.19E-03	3.84E-02
ENSG00000143520	FLG2	1	152348735	152360006	11271	protein coding	-1.68	2.43E-05	9.53E-04
ENSG00000286179	AL139351.2	20	48007875	48022237	14362	lncRNA	-1.68	1.92E-03	1.66E-02
ENSG00000282386	AL358472.4	1	153964361	153965070	709	lncRNA-antisense	-1.68	5.71E-03	3.31E-02
ENSG00000280356	AL021877.2	22	34641179	34651862	10683	lncRNA	-1.68	3.42E-05	1.20E-03
ENSG00000223720	AL109659.1	1	48172972	48206857	33885	lncRNA	-1.68	8.37E-03	4.23E-02
ENSG00000259370	AC103740.1	15	62827675	62884034	56359	lncRNA-antisense	-1.68	2.38E-04	4.39E-03
ENSG00000286933	AL022170.1	6	25632673	25640931	8258	lncRNA	-1.68	2.14E-03	1.78E-02
ENSG00000226308	AL122058.1	20	57266797	57282998	16201	lncRNA	-1.68	8.12E-04	9.65E-03
ENSG00000286364	AL512308.1	6	453398	477829	24438	lncRNA	-1.68	1.27E-03	1.28E-02
ENSG00000140478	GOLGA6D	15	75282835	75295807	12972	protein coding	-1.68	8.69E-03	4.33E-02
ENSG00000231884	NDUFB1P1	3	48181547	48181726	179	processed pseudogene	-1.68	4.83E-03	2.98E-02
ENSG00000169064	ZBFX	3	167239843	167407874	168031	protein coding	-1.68	1.11E-03	1.18E-02
ENSG00000172458	IL17D	13	20702127	20723098	20971	protein coding	-1.68	2.73E-05	1.03E-03
ENSG00000278895	AC008507.3	19	29915862	29917830	1968	TEC	-1.68	7.70E-03	4.01E-02
ENSG00000287232	AC079848.2	3	126213204	126247714	34510	lncRNA	-1.68	1.91E-04	3.80E-03
ENSG00000288577	AL117334.1	20	3406380	3410036	3656	lncRNA	-1.69	8.42E-03	4.25E-02
ENSG00000176855	KRT18P28	1	182959074	182960405	1331	processed pseudogene	-1.69	9.39E-03	4.55E-02
ENSG00000142973	CYP4B1	1	46757838	46819413	61575	protein coding	-1.69	4.68E-05	1.49E-03
ENSG00000229380	PRKAR1B-AS2	7	561958	565619	3661	lncRNA-antisense	-1.69	8.25E-03	4.19E-02
ENSG00000280078	AC016526.3	14	76279173	76283103	3930	TEC	-1.69	8.65E-05	2.30E-03
ENSG00000152034	MCHR2	6	99918519	99994247	75728	protein coding	-1.69	3.10E-03	2.25E-02
ENSG00000174844	DNAH12	3	57293699	57544344	250645	protein coding	-1.69	7.76E-09	2.01E-06
ENSG00000220891	LL22NCO3-83E9.3	22	22559343	22566602	7259	lncRNA-antisense	-1.69	6.61E-04	8.55E-03
ENSG00000265359	AC004231.4	17	40850800	40863282	12482	lncRNA-antisense	-1.69	1.02E-02	4.80E-02
ENSG00000279887	AC046158.4	16	78525189	78526535	1346	TEC	-1.69	1.06E-02	4.93E-02
ENSG00000117148	ACTL8	1	17755333	17827063	71730	protein coding	-1.69	1.42E-04	3.14E-03
ENSG00000242412	DBIL5P2	2	63117851	63119542	1691	transcribed processed pseudogene	-1.69	1.94E-03	1.67E-02
ENSG00000184571	PWIL3	22	24719034	24774720	55686	protein coding	-1.69	3.86E-05	1.31E-03
ENSG00000254737	OR10G4	11	124012997	124018732	5735	protein coding	-1.69	4.64E-03	2.91E-02

ENSG00000274775	Z82195.2	X	130445085	130524257	79172	transcribed_unprocessed_pseudogene	-1.69	2.89E-07	3.80E-05
ENSG00000235180	LINC00601	10	126413869	126421879	8010	lncRNA	-1.69	7.73E-03	4.02E-02
ENSG00000267723	AC011509.2	19	14254189	14293205	39016	lncRNA	-1.69	9.28E-03	4.51E-02
ENSG00000237166	LINC01792	2	200711535	200735186	23651	lncRNA	-1.69	3.96E-04	6.16E-03
ENSG00000228639	ROCR	17	72021851	72058073	36222	lncRNA	-1.69	1.58E-03	1.46E-02
ENSG00000175202	HIGD2B	15	72675798	72686182	10384	protein_coding	-1.69	7.35E-03	3.89E-02
ENSG00000286331	AC011388.1	5	150427904	150429906	2002	lncRNA	-1.69	1.02E-02	4.81E-02
ENSG00000160472	TMEM190	19	55376826	55378246	1420	protein_coding	-1.69	9.57E-03	4.61E-02
ENSG00000285644	AC108448.3	11	3057538	3064707	7169	lncRNA-antisense	-1.69	5.05E-04	7.14E-03
ENSG00000234859	AC003958.2	17	41402416	41425049	22633	lncRNA-antisense	-1.69	3.78E-04	5.99E-03
ENSG00000237972	TUBG1P	7	43918697	43920054	1357	processed_pseudogene	-1.69	2.88E-03	2.15E-02
ENSG00000164627	KIF6	6	39329990	39725408	395418	protein_coding	-1.69	7.34E-05	2.04E-03
ENSG00000116721	PRAMEF1	1	12791397	12796628	5231	protein_coding	-1.69	2.57E-03	2.00E-02
ENSG00000125850	OVOL2	20	17956979	18059188	102209	protein_coding	-1.69	2.42E-04	4.45E-03
ENSG00000230371	KARS1P2	13	113130416	113132054	1638	processed_pseudogene	-1.69	7.03E-03	3.78E-02
ENSG00000287268	AL050350.1	6	110341973	110354563	12590	lncRNA	-1.69	2.00E-05	8.43E-04
ENSG00000231831	MTHFD1P1	X	57392646	57395409	2763	processed_pseudogene	-1.69	2.95E-03	2.18E-02
ENSG00000257896	AC093012.1	12	43736628	43741067	4439	transcribed_unprocessed_pseudogene	-1.69	6.47E-03	3.58E-02
ENSG00000227705	AL391097.2	20	53196229	53208705	12476	lncRNA-antisense	-1.70	7.80E-03	4.04E-02
ENSG00000142615	CEL2A2	1	15456728	15472091	15363	protein_coding	-1.70	2.82E-03	2.12E-02
ENSG00000286406	AC138776.1	22	11827523	11910358	82835	transcribed_unprocessed_pseudogene	-1.70	1.00E-02	4.74E-02
ENSG00000166670	MMP10	11	102770502	102780628	10126	protein_coding	-1.70	5.73E-03	3.31E-02
ENSG00000147257	GPC3	X	133535745	133985594	449849	protein_coding	-1.70	4.26E-04	6.44E-03
ENSG00000287433	AC107222.2	4	184100482	184106038	5556	lncRNA	-1.70	1.07E-03	1.15E-02
ENSG00000287519	AC004921.2	7	77487317	77498965	11648	lncRNA	-1.70	3.12E-03	2.26E-02
ENSG00000189433	GJB4	1	34759740	34762327	2587	protein_coding	-1.70	6.97E-04	8.80E-03
ENSG00000231057	AC096637.2	1	211675749	211690103	14354	lncRNA-antisense	-1.70	3.93E-04	6.13E-03
ENSG00000266979	LINC01180	17	44646364	44650349	3985	lncRNA	-1.70	1.70E-03	1.63E-02
ENSG00000260266	PPIAP46	15	74350768	74364620	13852	transcribed_processed_pseudogene	-1.70	1.11E-03	1.18E-02
ENSG00000264016	AC015908.3	17	10741257	10769089	27832	lncRNA	-1.70	5.44E-03	3.20E-02
ENSG00000261261	AC028462.4	16	52622115	52677747	5632	lncRNA	-1.70	4.13E-03	2.71E-02
ENSG00000287656	AL591069.1	6	160369200	160386934	17734	lncRNA	-1.70	1.08E-02	4.98E-02
ENSG00000182545	RNASE10	14	20505537	20511169	5632	protein_coding	-1.70	8.78E-03	4.36E-02
ENSG00000248736	AC094105.2	5	2921496	2967955	46459	lncRNA	-1.70	7.70E-05	2.12E-03
ENSG00000101076	HNF4A	20	44355700	44434596	78896	protein_coding	-1.70	4.39E-07	5.27E-05
ENSG00000248469	AC139491.1	5	176049678	176062021	12343	lncRNA-antisense	-1.70	1.69E-03	1.52E-02
ENSG00000182950	ODF3L1	15	75724041	75727688	3647	protein_coding	-1.70	6.77E-04	8.68E-03
ENSG00000170925	TEX13B	X	107980864	107982370	1506	protein_coding	-1.70	8.63E-03	4.31E-02
ENSG00000160505	NLRP4	19	55836540	55881855	45315	protein_coding	-1.70	1.30E-04	2.99E-03
ENSG00000275805	AC090206.1	18	26565723	26575626	9903	lncRNA-sense intronic	-1.70	1.75E-03	1.56E-02
ENSG00000131864	USP29	19	57119138	57131926	12788	protein_coding	-1.70	3.72E-04	5.93E-03
ENSG00000187185	AC092118.1	16	57798186	57816946	18760	lncRNA	-1.70	4.46E-04	6.61E-03
ENSG00000280219	AC093908.1	4	147487971	147496062	8091	TEC	-1.70	1.89E-03	1.64E-02
ENSG00000285899	AL023574.1	X	43279560	43438657	159097	lncRNA	-1.70	4.14E-03	2.71E-02
ENSG00000271609	AC005632.4	16	21538487	21538794	307	processed_pseudogene	-1.70	7.35E-03	3.89E-02
ENSG00000226668	AL136981.1	9	92882567	92899608	17041	transcribed_unprocessed_pseudogene	-1.70	3.82E-04	6.03E-03
ENSG00000237463	LRRCS2-AS1	1	165476838	165582155	105317	lncRNA-antisense	-1.70	2.24E-06	1.75E-04
ENSG00000155890	TRIM42	3	140678064	140701150	23086	protein_coding	-1.70	7.63E-04	9.31E-03
ENSG00000259153	AC004816.1	14	70809841	70815994	6153	lncRNA	-1.71	1.79E-03	1.58E-02
ENSG00000214146	LINC02026	3	193957372	194003760	46388	lncRNA	-1.71	9.59E-05	2.46E-03
ENSG00000134812	CBL1F	11	59829273	59845499	16226	protein_coding	-1.71	6.05E-04	8.07E-03
ENSG000000011677	GABRA3	X	152166234	152451315	285081	protein_coding	-1.71	7.91E-04	9.50E-03
ENSG00000242221	PSG2	19	43064209	43083045	18836	protein_coding	-1.71	8.74E-05	2.32E-03
ENSG00000280415	AC005252.3	12	125858862	125861119	2257	TEC	-1.71	7.61E-03	3.98E-02
ENSG00000259876	AC101033.1	16	12556353	12557694	1341	lncRNA-antisense	-1.71	9.99E-03	4.74E-02
ENSG00000204928	GRXCR2	5	145858521	145937126	78605	protein_coding	-1.71	1.54E-03	1.44E-02
ENSG00000287009	AC021037.1	10	96129055	96130528	1473	lncRNA	-1.71	1.19E-04	2.80E-03
ENSG00000204949	FAM83A-AS1	8	123196536	123202743	6207	lncRNA-antisense	-1.71	6.08E-03	3.44E-02
ENSG00000231933	MYO18B-AS1	22	25876854	25903247	26393	lncRNA-antisense	-1.71	1.42E-04	3.14E-03
ENSG00000246022	ALDH1L1-AS2	3	126180012	126210169	30157	lncRNA-antisense	-1.71	1.06E-03	1.15E-02
ENSG00000287570	AL035447.1	20	44181111	44182712	16101	lncRNA	-1.71	8.57E-03	4.29E-02
ENSG00000173250	GPR151	5	146513103	146516190	3087	protein_coding	-1.71	3.24E-03	2.32E-02
ENSG00000279085	AL022323.2	22	25009685	25015072	5387	lncRNA-antisense	-1.71	1.31E-04	3.00E-03
ENSG00000163216	SPRR2D	1	153039732	153041931	2199	protein_coding	-1.71	6.11E-03	3.45E-02
ENSG00000283175	AC007920.2	3	187291272	187297933	6661	lncRNA-antisense	-1.71	6.53E-03	3.60E-02
ENSG00000230637	AL022324.1	22	25327252	25339975	12723	unprocessed_pseudogene	-1.71	8.31E-03	4.22E-02
ENSG00000273777	CEACAM20	19	44501677	44529788	28111	protein_coding	-1.71	1.68E-04	3.51E-03
ENSG00000286527	AL116665.2	14	32200433	32201736	1303	lncRNA	-1.71	6.43E-03	3.57E-02
ENSG00000288090	AC010163.3	10	78288059	78290565	2506	lncRNA	-1.71	7.83E-03	4.05E-02
ENSG00000265273	PGDP1	18	31962178	31963618	1440	processed_pseudogene	-1.71	3.25E-05	1.16E-03
ENSG00000262294	AC129507.2	17	352638	357581	4943	lncRNA-antisense	-1.71	6.51E-03	3.59E-02
ENSG00000246695	RASSF8-AS1	12	25936683	25959785	23082	lncRNA-antisense	-1.71	5.01E-06	3.13E-04
ENSG00000088386	SLC15A1	13	98683801	98752672	68871	protein_coding	-1.72	7.29E-05	2.03E-03
ENSG00000170703	TLL6	17	48762235	48817214	54979	protein_coding	-1.72	4.73E-06	2.99E-04
ENSG00000236466	AL035670.1	6	46492052	46606162	114110	lncRNA-antisense	-1.72	3.01E-04	5.15E-03
ENSG00000205414	AC007608.1	16	50606076	50613684	7608	lncRNA-antisense	-1.72	2.71E-03	2.07E-02
ENSG00000100191	SLC5A4	22	32218464	32255347	36883	protein_coding	-1.72	7.86E-05	2.15E-03
ENSG00000242440	LINC02046	3	148279682	148401084	121402	lncRNA	-1.72	1.50E-03	1.41E-02
ENSG00000259404	EFL1P1	15	84080168	84126604	46436	transcribed_unprocessed_pseudogene	-1.72	1.24E-04	2.90E-03
ENSG00000235166	LINC01440	20	55408898	55684915	276017	lncRNA	-1.72	2.18E-03	1.80E-02
ENSG00000253606	AFG3L2P1	8	43270198	43271960	1762	processed_pseudogene	-1.72	5.53E-03	3.24E-02
ENSG00000280285	AC108215.1	4	56662469	56665694	3225	TEC	-1.72	3.86E-03	2.60E-02
ENSG00000258197	NKX2-2-AS1	20	21511447	21512309	862	lncRNA-antisense	-1.72	3.55E-03	2.46E-02
ENSG00000116031	CD207	2	70830211	70835816	5605	protein_coding	-1.72	6.81E-05	1.93E-03
ENSG00000198217	OR51H2P	11	4871717	4878117	6400	transcribed_unprocessed_pseudogene	-1.72	7.90E-03	4.07E-02
ENSG00000229010	AL116172.1	1	23140325	23141142	817	processed_pseudogene	-1.72	1.61E-03	1.48E-02
ENSG00000232536	AL365436.2	1	151540516	151561855	21339	lncRNA-sense intronic	-1.72	5.91E-03	3.38E-02
ENSG00000287190	AC239799.2	1	146050441	146052244	1803	lncRNA	-1.72	8.06E-03	4.13E-02
ENSG00000236648	LINC02810	1	17717625	17749978	32353	lncRNA	-1.72	2.67E-04	4.76E-03
ENSG00000184608	FAM167A-AS1	8	11368402	11438658	70256	lncRNA-antisense	-1.72	4.29E-05	1.40E-03

ENSG00000287325	AC138647.2	8	141507333	141509785	2452	lncRNA	-1.72	4.85E-03	2.99E-02
ENSG00000126752	SSX1	X	48255392	48267444	12052	protein coding	-1.72	3.49E-03	2.44E-02
ENSG00000287671	AC068418.3	17	21442805	21451525	8720	lncRNA	-1.72	6.12E-05	1.77E-03
ENSG00000260973	AC009021.2	16	22610531	22612196	1665	lncRNA	-1.72	4.16E-03	2.72E-02
ENSG00000112936	C7	5	40909497	40984643	75146	protein coding	-1.72	2.57E-04	4.63E-03
ENSG00000235711	ANKRD34C	15	79293285	79298235	4950	protein coding	-1.72	3.03E-04	5.17E-03
ENSG00000287163	AC018558.6	16	35450898	35452987	2089	lncRNA	-1.72	7.14E-03	3.82E-02
ENSG00000230010	AL049646.1	20	18289343	18359300	69957	lncRNA	-1.72	1.86E-04	3.75E-03
ENSG00000234277	LINC01641	1	227393554	227431035	37481	lncRNA	-1.72	3.34E-03	2.37E-02
ENSG00000261303	AC022748.2	15	78660644	78736684	76040	transcribed unprocessed pseudogene	-1.72	7.24E-05	2.03E-03
ENSG00000213724	PRDX2P2	10	34965069	34966259	1190	processed pseudogene	-1.72	3.86E-03	2.60E-02
ENSG00000253871	AC068075.1	8	57341021	57365444	24423	lncRNA	-1.72	2.47E-04	4.49E-03
ENSG00000213212	NCLP1	9	136812788	136815536	2748	processed pseudogene	-1.72	6.45E-03	3.57E-02
ENSG00000244342	LINC00698	3	62950430	63125062	174632	lncRNA	-1.72	2.91E-03	2.16E-02
ENSG00000262772	LINC01977	17	79819083	79827704	8621	lncRNA	-1.72	1.18E-04	2.79E-03
ENSG00000229558	SACS-AS1	13	23418971	23428869	9898	lncRNA	-1.73	6.40E-04	8.39E-03
ENSG00000102021	LUZP4	X	115289715	115307563	17848	protein coding	-1.73	8.50E-03	4.27E-02
ENSG00000267141	AC012615.4	19	1860250	1862019	1769	lncRNA-antisense	-1.73	6.03E-03	3.43E-02
ENSG00000177993	ZNRF3-AS1	22	29024999	29031476	6477	lncRNA-antisense	-1.73	9.71E-04	1.08E-02
ENSG00000269037	LINC01838	19	34905315	34908188	2873	lncRNA	-1.73	3.03E-03	2.22E-02
ENSG00000205858	LRRC72	7	16526825	16581568	54743	protein coding	-1.73	1.39E-03	1.35E-02
ENSG00000259419	HNRNPCC3	15	79236332	79237206	874	processed pseudogene	-1.73	6.91E-04	8.77E-03
ENSG00000287526	AC016587.1	19	33997289	34066283	68994	lncRNA	-1.73	3.84E-03	2.59E-02
ENSG00000166118	SPATA19	11	133840631	133845538	4907	protein coding	-1.73	6.45E-03	3.57E-02
ENSG00000163331	DAPL1	2	158795317	158862781	67464	protein coding	-1.73	8.03E-03	4.12E-02
ENSG00000149124	GLYAT	11	58640426	58731974	91548	protein coding	-1.73	8.33E-04	9.80E-03
ENSG00000229828	PDE4DIPP1	1	148080598	148093883	13285	unprocessed pseudogene	-1.73	6.77E-03	3.69E-02
ENSG00000277561	GOLGA81P	15	22606022	22617854	11832	transcribed unprocessed pseudogene	-1.73	2.59E-06	1.94E-04
ENSG00000287326	AL589787.1	10	126425930	126460957	35027	lncRNA	-1.73	1.04E-04	2.59E-03
ENSG00000283213	AC130466.1	16	22066289	22813680	7391	lncRNA	-1.73	1.86E-04	3.74E-03
ENSG00000227685	LINC02088	17	20612912	20633234	20322	lncRNA	-1.73	2.33E-03	1.87E-02
ENSG00000236274	AC004865.1	1	35509742	35511438	1696	processed pseudogene	-1.73	8.49E-03	4.27E-02
ENSG00000214141	ACTN4P2	1	37776670	37779418	2748	processed pseudogene	-1.73	1.99E-03	1.70E-02
ENSG00000276478	AL772337.4	9	87799501	87821803	22302	unprocessed pseudogene	-1.73	6.66E-03	3.65E-02
ENSG00000248245	AC010307.2	5	133160438	133224413	63975	lncRNA-antisense	-1.73	5.60E-03	3.26E-02
ENSG00000168314	MOBP	3	39467198	39529479	62281	protein coding	-1.73	3.43E-06	2.39E-04
ENSG00000109061	MYH1	17	10492307	10518542	26235	protein coding	-1.73	2.07E-05	8.57E-04
ENSG00000247867	AP001922.1	11	75758455	75768647	10192	lncRNA-antisense	-1.74	3.39E-03	2.39E-02
ENSG00000233951	RCC2P3	7	138122202	138124595	2393	processed pseudogene	-1.74	7.13E-04	8.91E-03
ENSG00000286041	AC074139.1	19	32127334	32184504	51710	lncRNA	-1.74	5.30E-03	3.15E-02
ENSG00000184459	BP1FC	22	32413847	32464484	50637	protein coding	-1.74	3.95E-04	6.15E-03
ENSG00000267908	ZSCAN5DP	19	56244043	56247482	3439	unprocessed pseudogene	-1.74	6.39E-03	3.55E-02
ENSG00000235881	AC114776.1	2	110709575	110716595	7020	lncRNA	-1.74	2.45E-03	1.93E-02
ENSG00000228480	AC130464.1	16	26354796	26358355	3559	unprocessed pseudogene	-1.74	2.82E-03	2.12E-02
ENSG00000226792	C13orf42	13	51082119	51200252	118133	protein coding	-1.74	2.42E-05	9.53E-04
ENSG00000249001	AC093895.1	4	87568035	87733956	165921	lncRNA-antisense	-1.74	7.83E-03	4.05E-02
ENSG00000182824	FAM239P4	22	18733914	18757906	23992	lncRNA	-1.74	2.30E-03	1.86E-02
ENSG00000156920	ADGRG4	X	136300963	136416890	115927	protein coding	-1.74	2.33E-04	4.33E-03
ENSG00000254417	LINC02584	11	70072434	70075433	2999	lncRNA-antisense	-1.74	7.59E-03	3.97E-02
ENSG00000218672	AC008060.1	7	155382076	155396356	14280	lncRNA	-1.74	8.94E-04	1.03E-02
ENSG00000227406	RNF6P1	21	39373763	39377066	3303	processed pseudogene	-1.74	5.27E-03	3.14E-02
ENSG00000231258	ZSW1MSP2	17	20583758	20591180	7422	unprocessed pseudogene	-1.74	1.19E-03	1.58E-02
ENSG00000275014	RN7SL166P	13	19736975	19737254	279	misc RNA	-1.74	4.03E-04	6.24E-03
ENSG00000116039	ATP6V1B1	2	70935900	70965431	29531	protein coding	-1.74	1.41E-03	1.37E-02
ENSG00000258603	AC005225.2	14	73555115	73633941	78826	lncRNA-antisense	-1.74	8.52E-04	9.93E-03
ENSG00000236643	AL354928.1	9	124770123	124772927	2804	lncRNA-antisense	-1.74	2.03E-03	1.72E-02
ENSG00000182645	CCDC172	10	116324448	116380029	55581	protein coding	-1.74	3.82E-03	2.58E-02
ENSG00000244227	LRRC77P	3	167864773	167924011	59238	transcribed unitary pseudogene	-1.74	1.02E-04	2.55E-03
ENSG00000225172	AC096631.1	1	198973379	198985506	12127	lncRNA	-1.74	4.21E-03	2.74E-02
ENSG00000261453	LINC01735	1	208606564	208614295	7731	lncRNA	-1.74	2.03E-03	1.72E-02
ENSG00000230952	AC099344.1	2	11357515	11365636	8121	lncRNA	-1.74	5.22E-03	3.13E-02
ENSG00000205444	KU-MEL-3	6	4610612	4611919	1307	lncRNA	-1.74	6.64E-03	3.64E-02
ENSG00000282142	AC245187.2	8	2517898	2556440	38542	lncRNA	-1.74	7.92E-03	4.08E-02
ENSG00000267333	ASNSP6	18	11745626	11747581	1955	processed pseudogene	-1.74	6.49E-03	3.58E-02
ENSG00000203280	KIAA1671-AS1	22	25102433	25112692	10259	lncRNA-antisense	-1.74	5.37E-04	7.48E-03
ENSG00000262815	AC087501.2	17	9464742	9467422	2680	lncRNA-antisense	-1.74	8.44E-03	4.26E-02
ENSG00000180785	OR51E1	11	4643420	4655488	12068	protein coding	-1.74	4.36E-04	6.52E-03
ENSG00000204684	AL133464.1	20	22371216	22471557	100341	lncRNA	-1.75	1.46E-05	6.72E-04
ENSG00000116726	PRAMEF12	1	12773738	12777906	4168	protein coding	-1.75	1.48E-05	6.80E-04
ENSG00000256146	AC006206.1	12	5315961	5319347	3386	lncRNA	-1.75	5.04E-04	7.14E-03
ENSG00000174898	CATSPERD	19	5720637	5778734	58097	protein coding	-1.75	1.15E-06	1.07E-04
ENSG00000243715	CACNA2D3-AS1	3	54874605	54901255	26650	lncRNA-antisense	-1.75	9.57E-03	4.61E-02
ENSG00000224287	MSL3P1	2	233865437	233868444	3007	transcribed processed pseudogene	-1.75	6.89E-03	3.73E-02
ENSG00000230987	AL359976.1	1	189989570	189993097	3527	processed pseudogene	-1.75	7.11E-03	3.81E-02
ENSG00000288045	AL352979.4	14	52951432	52952864	1432	lncRNA	-1.75	4.18E-03	2.73E-02
ENSG00000285520	AL353586.1	10	12877459	12965275	87816	lncRNA-antisense	-1.75	2.77E-04	4.87E-03
ENSG00000256022	LINC02411	12	127631248	127636488	5240	lncRNA	-1.75	1.49E-03	1.41E-02
ENSG00000260765	CES1P2	16	55728115	55750111	21996	unprocessed pseudogene	-1.75	1.50E-03	1.41E-02
ENSG00000273877	AC236972.3	X	153225849	153230357	4708	lncRNA	-1.75	1.02E-02	4.80E-02
ENSG00000237524	TEX51	2	126898864	126902097	3233	protein coding	-1.75	2.82E-03	2.12E-02
ENSG00000260860	AC126773.5	16	68651056	68651948	892	processed pseudogene	-1.75	3.01E-03	2.21E-02
ENSG00000116882	HO2	1	119368779	119394130	25351	protein coding	-1.75	1.79E-03	1.58E-02
ENSG00000267535	LINC00868	17	76849840	76861836	11996	lncRNA	-1.75	8.23E-03	4.19E-02
ENSG00000243479	MINX1-AS1	7	157010805	157016426	5621	lncRNA	-1.75	1.06E-03	1.15E-02
ENSG00000262292	AC007952.5	17	19160789	19162274	1485	lncRNA	-1.75	5.91E-03	3.38E-02
ENSG00000198798	MAGEB3	X	30230436	30237492	7056	protein coding	-1.75	1.07E-02	4.95E-02
ENSG00000258550	OR7E108P	14	51763056	51764076	1020	unprocessed pseudogene	-1.75	1.07E-02	4.95E-02
ENSG00000248215	LINC02505	4	36496128	36641939	145811	lncRNA	-1.75	1.02E-02	4.80E-02
ENSG00000226527	AP000289.1	21	33110867	33123725	12858	lncRNA	-1.75	9.46E-04	1.06E-02
ENSG00000287836	AC016168.4	17	76831684	76841099	9415	lncRNA	-1.75	4.17E-03	2.72E-02

ENSG00000286266	AC104370.1	8	127578473	127636867	58394	lncRNA	-1.75	3.98E-04	6.16E-03
ENSG00000259964	THSD4-AS1	15	71147650	71189064	41414	lncRNA-antisense	-1.75	6.48E-04	8.44E-03
ENSG00000285786	AC074325.1	10	48246525	48248512	1987	lncRNA-antisense	-1.75	8.13E-03	4.15E-02
ENSG00000244067	GSTA2	6	52750087	52763475	13388	protein coding	-1.75	3.54E-03	2.46E-02
ENSG00000287831	AL135926.2	1	168898633	168902836	4203	lncRNA	-1.75	7.04E-03	3.78E-02
ENSG00000157502	PWWP3B	X	106168305	106208956	40651	protein coding	-1.75	2.95E-03	2.18E-02
ENSG00000260616	AC007728.1	16	50783859	50803338	19479	lncRNA-antisense	-1.75	6.89E-03	3.73E-02
ENSG00000268153	AC005176.1	19	39638685	39642401	3716	transcribed unprocessed pseudogene	-1.75	6.84E-03	3.72E-02
ENSG00000267443	AC10641.1	19	397589	399173	1584	lncRNA	-1.75	1.37E-03	1.34E-02
ENSG00000212658	KRTAP29.1	17	41301826	41302851	1025	protein coding	-1.75	8.05E-03	4.12E-02
ENSG00000224109	CENPL3	X	51617024	51618968	1944	protein coding	-1.75	7.16E-03	3.83E-02
ENSG00000066813	ACSM2B	16	20536226	20576427	42021	protein coding	-1.76	3.97E-05	1.32E-03
ENSG00000248590	GLDCP1	4	56593004	56595681	2677	transcribed processed pseudogene	-1.76	2.30E-03	1.86E-02
ENSG00000226629	LINC00974	17	41549606	41554495	4889	lncRNA	-1.76	2.80E-03	2.11E-02
ENSG00000105549	THEG	19	361747	376026	14279	protein coding	-1.76	3.43E-06	2.39E-04
ENSG00000268089	GABRQ	X	152637895	152657542	19647	protein coding	-1.76	4.24E-05	1.38E-03
ENSG00000205215	KRT17P7	17	20519312	20528687	9375	transcribed unprocessed pseudogene	-1.76	5.09E-04	7.18E-03
ENSG00000159708	LRRC36	16	67326798	67385204	58406	protein coding	-1.76	2.73E-07	3.61E-05
ENSG00000237521	OR7E24	19	9247344	9252625	5281	protein coding	-1.76	6.04E-03	3.43E-02
ENSG00000227582	ADGRF5P1	9	62860873	62864957	4084	transcribed processed pseudogene	-1.76	2.44E-03	1.93E-02
ENSG00000256417	AC060206.2	12	5290480	5383653	93173	lncRNA	-1.76	4.17E-04	6.35E-03
ENSG00000171864	PRND	20	4721909	4728460	6551	protein coding	-1.76	3.15E-04	5.30E-03
ENSG00000261738	MIR3976HG	18	5721812	5876328	154516	lncRNA	-1.76	9.37E-07	9.19E-05
ENSG00000288022	AC117488.1	3	125061448	125063710	2262	lncRNA	-1.76	6.43E-03	3.57E-02
ENSG00000242741	LINC02005	3	73805754	73902960	97206	lncRNA	-1.76	1.06E-02	4.92E-02
ENSG00000286826	AL136129.1	6	169097799	169102428	4629	lncRNA	-1.76	9.05E-03	4.44E-02
ENSG00000249184	AC107074.1	4	151798917	151833097	34180	lncRNA	-1.76	7.16E-03	3.83E-02
ENSG00000254081	LINC01299	8	65526738	65562781	36043	lncRNA	-1.76	3.23E-03	2.31E-02
ENSG00000214814	FER1L6	8	123851987	124120061	268074	protein coding	-1.76	6.72E-06	3.90E-04
ENSG00000285706	AL807776.1	9	98798466	98807564	9098	lncRNA-bidirectional promoter	-1.76	7.37E-03	3.90E-02
ENSG00000124089	MCR3	20	56248732	56249815	1083	protein coding	-1.76	3.43E-03	2.41E-02
ENSG00000140093	SERPINA10	14	94280460	94293268	12808	protein coding	-1.76	7.88E-05	2.15E-03
ENSG00000187686	KRT18P59	11	125113161	125126781	13620	transcribed processed pseudogene	-1.76	1.70E-04	3.53E-03
ENSG00000279076	AL136140.2	6	44551577	44553281	1704	TEC	-1.76	6.48E-03	3.58E-02
ENSG00000279733	AP001642.1	11	88165575	88167691	2116	TEC	-1.76	9.27E-03	4.51E-02
ENSG00000228055	FAM245A	10	87396561	87435035	38474	lncRNA	-1.76	4.65E-03	2.91E-02
ENSG00000179577	AP03471.1	8	104419512	104421500	1988	lncRNA-sense intronic	-1.76	1.95E-03	1.68E-02
ENSG00000227538	HNRNPPF1	1	42040597	42041729	1132	processed pseudogene	-1.76	3.99E-03	2.66E-02
ENSG00000171819	ANGPTL7	1	11189355	11195981	6626	protein coding	-1.76	8.87E-05	2.34E-03
ENSG00000174914	OR9G1	11	56699095	56703884	4789	protein coding	-1.76	2.02E-03	1.72E-02
ENSG00000229699	AL161636.1	1	153174518	153191676	17158	lncRNA	-1.77	2.86E-03	2.14E-02
ENSG00000172986	GXYLT2	3	72888046	72998138	110092	protein coding	-1.77	4.85E-05	1.53E-03
ENSG00000224074	LINC00691	3	24096269	24103238	6969	lncRNA	-1.77	8.44E-04	9.88E-03
ENSG00000267879	AC011483.1	19	50968193	51012129	43936	lncRNA-antisense	-1.77	5.87E-03	3.37E-02
ENSG00000256596	AC026358.1	12	124206228	124209018	2790	lncRNA	-1.77	2.69E-03	2.06E-02
ENSG00000268940	CT45A1	X	135713453	135723539	10086	protein coding	-1.77	3.81E-06	2.53E-04
ENSG00000261632	AC022872.1	15	71972206	72040265	68059	lncRNA-antisense	-1.77	9.39E-03	4.55E-02
ENSG00000267712	LINC01539	18	56083356	56137536	54180	lncRNA	-1.77	3.87E-04	6.08E-03
ENSG00000219932	RPL12P8	10	67874332	67874911	579	processed pseudogene	-1.77	3.80E-04	6.01E-03
ENSG00000287272	AC007786.4	19	29268976	29298576	29600	lncRNA	-1.77	1.64E-04	3.45E-03
ENSG00000267650	AC008742.1	19	9995997	9997163	1166	lncRNA-antisense	-1.77	6.30E-03	3.52E-02
ENSG00000185940	KRTAP5-5	11	1629775	1630707	932	protein coding	-1.77	8.85E-03	4.38E-02
ENSG00000279914	AL008638.5	22	27040197	27041494	1297	lncRNA	-1.77	4.80E-03	2.97E-02
ENSG00000228135	LINC01494	2	218900811	218930636	29825	lncRNA-antisense	-1.77	5.82E-03	3.15E-02
ENSG00000125997	BPIFB9P	20	33347720	33354444	6724	transcribed unitary pseudogene	-1.77	1.60E-04	3.39E-03
ENSG00000171056	SOX7	8	10723768	10730511	6743	protein coding	-1.77	4.83E-05	1.52E-03
ENSG00000260062	GOLGA2P11	15	62253730	62270680	16950	transcribed unprocessed pseudogene	-1.77	3.43E-05	1.21E-03
ENSG00000254242	AC100849.2	8	19091703	19145449	53746	lncRNA	-1.77	3.93E-04	6.13E-03
ENSG00000260887	CASC22	16	52258564	52280638	22074	lncRNA	-1.77	4.82E-03	2.98E-02
ENSG00000226235	LEMD1-AS1	1	205373252	205387440	14188	lncRNA-antisense	-1.77	1.04E-03	1.13E-02
ENSG00000249003	CLUHP4	4	190057902	190063005	5103	unprocessed pseudogene	-1.77	4.26E-03	2.76E-02
ENSG00000227711	AL451054.1	1	227509028	227510618	1590	unprocessed pseudogene	-1.77	2.15E-03	1.79E-02
ENSG00000272485	AL392183.1	6	774747	780214	5467	lncRNA	-1.77	5.29E-03	3.15E-02
ENSG00000287391	AC103871.1	15	87638688	87668488	29800	lncRNA	-1.77	7.41E-03	3.91E-02
ENSG00000277870	FAM230A	22	18422244	18500594	78350	lncRNA	-1.77	3.57E-03	2.47E-02
ENSG00000184735	DDX53	X	22999960	23003589	3629	protein coding	-1.77	2.60E-03	2.02E-02
ENSG00000244471	AL137058.1	13	62488993	62587095	98102	transcribed unprocessed pseudogene	-1.77	6.07E-05	1.76E-03
ENSG00000288541	AL353732.2	9	21410969	21422960	11991	lncRNA	-1.77	2.21E-05	8.94E-04
ENSG00000229031	MTCO1P25	7	69331835	69333633	1798	unprocessed pseudogene	-1.77	8.32E-03	4.22E-02
ENSG00000258909	AC091078.2	15	93416850	93422576	5726	lncRNA	-1.78	8.51E-04	9.93E-03
ENSG00000227391	SALL1P1	X	49664844	49668680	3836	processed pseudogene	-1.78	2.29E-03	1.86E-02
ENSG00000277544	AC104073.3	7	65290429	65292776	2347	unprocessed pseudogene	-1.78	9.27E-03	4.51E-02
ENSG00000275645	AC068338.3	15	75346744	75347161	417	lncRNA-antisense	-1.78	8.43E-04	9.87E-03
ENSG00000171509	RFXP1	4	158315311	158653372	338061	protein coding	-1.78	1.42E-05	6.64E-04
ENSG00000253415	AC016877.2	8	98904603	98905671	1068	processed pseudogene	-1.78	6.53E-03	3.60E-02
ENSG00000205866	FAM99A	11	1665597	1667856	2259	lncRNA	-1.78	1.46E-03	1.39E-02
ENSG00000256897	AC018410.1	11	47220218	47221751	1533	lncRNA-antisense	-1.78	7.72E-03	4.02E-02
ENSG00000288079	AC028329.1	3	113259786	113266824	7038	lncRNA	-1.78	5.44E-04	7.57E-03
ENSG00000261020	AC132825.3	17	22420022	22424731	4709	lncRNA	-1.78	8.98E-04	1.03E-02
ENSG00000253172	AC008378.1	5	173144162	173145039	877	lncRNA-antisense	-1.78	9.15E-03	4.48E-02
ENSG00000286208	AC093838.1	2	131555007	131568599	13592	lncRNA	-1.78	1.50E-03	1.42E-02
ENSG00000134588	USP26	X	133024631	133097109	72478	protein coding	-1.78	3.11E-03	2.26E-02
ENSG00000279525	AC002451.2	7	95542145	95544542	2397	TEC	-1.78	3.78E-03	2.57E-02
ENSG00000283535	AC07064.4	22	16844399	16846357	1958	unprocessed pseudogene	-1.78	2.86E-03	2.14E-02
ENSG00000256195	AP002518.1	11	114343052	114396219	53167	lncRNA-antisense	-1.78	2.89E-04	4.99E-03
ENSG00000287666	AP00821.2	11	126121889	126128081	6192	lncRNA	-1.78	2.03E-03	1.72E-02
ENSG00000227932	SELENO1P	10	26664206	26697295	33089	transcribed unitary pseudogene	-1.78	8.92E-03	4.40E-02
ENSG00000276188	AC069234.4	12	120709112	120709523	411	lncRNA	-1.78	1.56E-03	1.45E-02
ENSG00000182963	GJC1	17	44798448	44830816	32368	protein coding	-1.78	4.37E-05	1.42E-03
ENSG00000101074	R3HDM1	20	44337043	44351238	14195	protein coding	-1.78	3.60E-04	5.79E-03

ENSG00000225427	LINC00331	13	78786272	78840051	53779	lncRNA	-1.78	8.11E-04	9.65E-03
ENSG00000287399	AC011503.4	19	23897321	23899495	2174	lncRNA	-1.78	8.01E-03	4.12E-02
ENSG00000248942	LINC01335	5	74258689	74321255	62566	lncRNA	-1.78	4.34E-03	2.79E-02
ENSG00000259708	AC090607.3	15	78250502	78264156	13654	lncRNA-antisense	-1.78	3.93E-03	2.63E-02
ENSG00000240268	MOXD2P	7	142240740	142247067	6327	transcribed unprocessed pseudogene	-1.78	1.64E-04	3.46E-03
ENSG00000124678	TCP11	6	35118071	35148610	30539	protein coding	-1.79	2.19E-04	4.15E-03
ENSG00000166569	CPLX4	18	59275156	59318649	43493	protein coding	-1.79	1.07E-03	1.15E-02
ENSG00000188257	PLA2G2A	1	19975431	19980416	4985	protein coding	-1.79	1.04E-03	1.13E-02
ENSG00000258010	AC016705.1	15	80433795	80445152	11357	lncRNA-antisense	-1.79	1.60E-03	1.47E-02
ENSG00000234593	KAZN-AS1	1	14338825	14419973	81148	lncRNA	-1.79	3.18E-05	1.14E-03
ENSG00000287813	AC016705.3	15	80440294	80442751	2457	lncRNA	-1.79	6.53E-03	3.60E-02
ENSG00000273287	AL008718.2	22	45262273	45263585	1312	lncRNA	-1.79	1.91E-03	1.65E-02
ENSG00000286816	AP005273.2	11	64486136	64490674	4538	lncRNA	-1.79	7.04E-03	3.78E-02
ENSG00000234999	SNRPPCP19	7	24906135	24906594	459	processed pseudogene	-1.79	5.32E-03	3.16E-02
ENSG00000273819	ENPP7P7	11	67812557	67873367	60810	unprocessed pseudogene	-1.79	1.04E-02	4.87E-02
ENSG00000232900	AL050403.1	20	10875333	10909279	32946	lncRNA	-1.79	7.77E-04	9.41E-03
ENSG00000018607	ZNF806	2	132304806	132326855	23049	transcribed unprocessed pseudogene	-1.79	1.54E-04	3.32E-03
ENSG00000225980	OR7E19P	19	9265440	9268819	3379	transcribed unprocessed pseudogene	-1.79	6.51E-03	3.59E-02
ENSG00000285914	AC022440.1	5	171724575	171737519	12944	lncRNA	-1.79	2.37E-03	1.89E-02
ENSG00000263862	LINC01543	18	26421139	26438041	16902	lncRNA	-1.79	2.86E-03	2.14E-02
ENSG00000224072	VEZTP1	X	46454097	46457199	3102	processed pseudogene	-1.79	1.03E-03	1.13E-02
ENSG00000263050	AC090617.5	17	2043475	2044968	1493	lncRNA	-1.79	8.17E-03	4.17E-02
ENSG00000183668	PSG9	19	43211791	43269530	57739	protein coding	-1.79	4.38E-04	6.54E-03
ENSG00000270314	AC007161.2	7	7735743	7736851	1108	processed pseudogene	-1.79	9.27E-03	4.51E-02
ENSG00000228740	GABRG3-AS1	15	27038978	27161319	122341	lncRNA-antisense	-1.79	4.27E-04	6.45E-03
ENSG00000286641	AC108073.3	4	187942164	187963345	21181	lncRNA	-1.79	1.10E-03	1.17E-02
ENSG00000258676	AC091544.2	15	92580741	92600545	19804	lncRNA	-1.79	1.86E-04	3.74E-03
ENSG00000260972	Z98259.1	1	5492978	5494674	1696	lncRNA	-1.79	1.86E-03	1.62E-02
ENSG00000269445	AC067969.2	19	38526954	38528555	1601	lncRNA-antisense	-1.79	7.41E-03	3.91E-02
ENSG00000233570	LINC00690	3	16524771	16541903	17132	lncRNA	-1.79	8.59E-03	4.30E-02
ENSG00000106819	ASP1	9	92456205	92482506	26301	protein coding	-1.79	1.04E-03	1.13E-02
ENSG00000287120	AL138773.1	10	9292842	9309772	16930	lncRNA	-1.79	7.50E-03	3.94E-02
ENSG00000267101	AC090376.1	18	45104361	45181382	77021	lncRNA	-1.79	1.68E-03	1.52E-02
ENSG00000279657	AL161901.1	13	60730176	60733600	3424	TEC	-1.79	6.27E-03	3.51E-02
ENSG00000225216	AC007362.1	2	205756469	205764006	7537	lncRNA-antisense	-1.79	1.88E-03	1.64E-02
ENSG00000125571	IL37	2	112912971	112918882	5911	protein coding	-1.79	5.26E-03	3.14E-02
ENSG00000287469	AC044798.3	16	49072543	49275579	203036	lncRNA	-1.79	1.54E-05	6.98E-04
ENSG00000254109	RBPMS-AS1	8	30382119	30385401	3282	lncRNA-antisense	-1.80	2.47E-03	1.94E-02
ENSG00000286241	AC080089.2	4	119686538	119693563	7025	lncRNA	-1.80	2.58E-03	2.00E-02
ENSG00000158901	WFC8	20	45551153	45579326	28173	protein coding	-1.80	6.12E-03	3.46E-02
ENSG00000229305	AL358876.1	1	8189824	8192770	2946	processed pseudogene	-1.80	5.99E-03	3.41E-02
ENSG00000136155	SCEL	13	77535674	77645263	109589	protein coding	-1.80	2.36E-04	4.37E-03
ENSG00000146521	LINC01558	6	167784537	167796872	12335	lncRNA	-1.80	2.00E-05	8.44E-04
ENSG00000226829	AC093655.1	7	68149548	68319676	170128	lncRNA	-1.80	4.99E-03	3.04E-02
ENSG00000260617	AC138028.5	16	88741631	88742367	736	lncRNA-antisense	-1.80	3.17E-03	2.29E-02
ENSG00000286073	AL138900.2	1	157287267	157310655	23388	unprocessed pseudogene	-1.80	2.62E-03	2.03E-02
ENSG00000278110	SUSD2P2	22	18623339	18625289	1950	unprocessed pseudogene	-1.80	5.29E-03	3.15E-02
ENSG00000259637	DNM1P38	15	82531653	82534139	2486	unprocessed pseudogene	-1.80	1.29E-03	1.29E-02
ENSG00000167754	KLK5	19	50943303	50953093	9790	protein coding	-1.80	7.97E-04	9.54E-03
ENSG00000183067	IGSF5	21	39745407	39802096	56689	protein coding	-1.80	1.49E-04	3.26E-03
ENSG00000280002	AC078925.4	12	130988312	130990028	1716	TEC	-1.80	5.25E-03	3.14E-02
ENSG00000261586	AC068987.3	12	51817899	51820150	2251	lncRNA	-1.80	6.26E-04	8.28E-03
ENSG00000249436	LINC-0003	5	57574027	57619816	45789	lncRNA	-1.80	3.22E-04	5.41E-03
ENSG00000254934	LINC00678	11	27617626	27634627	17001	lncRNA	-1.80	1.07E-02	4.95E-02
ENSG00000256407	AL357673.1	1	54132686	54200073	67387	protein coding	-1.80	2.10E-03	1.76E-02
ENSG00000225652	KCNMA1-AS3	10	77350851	77376613	25762	lncRNA-antisense	-1.80	3.29E-03	2.34E-02
ENSG00000259702	AC024337.1	15	96045341	96064357	19016	lncRNA	-1.80	7.38E-03	3.90E-02
ENSG00000256659	LINC02368	12	128116730	128123103	6373	lncRNA	-1.80	6.97E-04	8.80E-03
ENSG00000285797	AL512658.2	6	156350579	156390246	39667	lncRNA	-1.80	1.44E-03	1.38E-02
ENSG00000286289	AL133482.1	10	113482069	113492054	9985	lncRNA	-1.80	2.58E-03	2.00E-02
ENSG00000284692	Z98259.3	1	5478736	5493057	14321	lncRNA	-1.80	1.88E-03	1.64E-02
ENSG00000283973	AC095795.1	1	42959065	42961864	2799	lncRNA	-1.80	8.50E-04	9.93E-03
ENSG00000169594	BNC1	15	83255903	83284714	28811	protein coding	-1.80	4.04E-04	6.24E-03
ENSG00000170054	SERPINA9	14	94462717	94479689	16972	protein coding	-1.80	9.36E-04	1.06E-02
ENSG00000197233	OR1J2	9	122510802	122511743	941	protein coding	-1.80	6.34E-03	3.53E-02
ENSG00000196970	NXF4	X	102549965	102571695	21730	transcribed unprocessed pseudogene	-1.80	5.69E-04	7.77E-03
ENSG00000261018	AC002101.1	9	133611798	133633099	21301	lncRNA-antisense	-1.80	1.19E-03	1.23E-02
ENSG00000245688	AC008659.1	5	178438681	178443094	4413	lncRNA-sense intronic	-1.80	8.29E-03	4.21E-02
ENSG00000278522	POTEB3	15	21405401	21440499	35098	protein coding	-1.81	1.83E-03	1.60E-02
ENSG00000230221	AL157384.1	9	95292338	95294810	2472	processed pseudogene	-1.81	6.28E-04	8.29E-03
ENSG00000258990	MPPE1P1	14	89110148	89111223	1075	processed pseudogene	-1.81	8.93E-03	4.40E-02
ENSG00000171561	OR2AT4	11	75081753	75096876	15123	protein coding	-1.81	8.79E-06	4.65E-04
ENSG00000270816	LINC00221	14	106482435	106521073	38638	lncRNA	-1.81	2.82E-05	1.05E-03
ENSG00000232736	AC007551.1	7	35768122	35768640	518	processed pseudogene	-1.81	7.54E-03	3.95E-02
ENSG00000226741	LINC02554	22	27307777	27318501	10724	lncRNA	-1.81	5.02E-05	1.57E-03
ENSG00000283000	LINC02635	10	34969881	34975578	5697	lncRNA	-1.81	3.95E-03	2.64E-02
ENSG00000228459	LINC01546	X	3271544	3286138	14594	lncRNA	-1.81	1.79E-03	1.58E-02
ENSG00000251613	AC063979.1	5	72687112	72771733	84621	lncRNA	-1.81	8.52E-03	4.27E-02
ENSG00000243349	AL358394.2	10	45147394	45171389	23995	lncRNA	-1.81	1.84E-03	1.61E-02
ENSG00000268581	SIGLEC18P	19	51119987	51122965	2978	unprocessed pseudogene	-1.81	2.42E-04	4.45E-03
ENSG00000272937	OR6U2P	12	55608043	55615878	7835	transcribed unprocessed pseudogene	-1.81	2.36E-03	1.89E-02
ENSG00000162039	MEIOB	16	1833986	1884294	50308	protein coding	-1.81	7.55E-04	9.24E-03
ENSG00000228452	AC098484.1	1	42775813	42776790	977	lncRNA-antisense	-1.81	1.04E-02	4.88E-02
ENSG00000171931	FBXW10	17	18744026	18779349	35323	protein coding	-1.81	1.61E-05	7.21E-04
ENSG00000271850	LINC02343	13	34347986	34616216	268230	lncRNA	-1.81	3.36E-03	2.38E-02
ENSG00000224222	LINC02636	10	69994276	70019496	25220	lncRNA	-1.81	2.24E-03	1.83E-02
ENSG00000240687	AC082651.1	2	9638745	9712920	74175	lncRNA	-1.81	6.18E-04	8.20E-03
ENSG00000249210	GAPDHP38	19	46558641	46559642	1001	processed pseudogene	-1.82	7.35E-03	3.89E-02
ENSG00000261522	AL845331.2	2	94575976	94587183	11207	transcribed unprocessed pseudogene	-1.82	1.16E-03	1.21E-02
ENSG00000248851	AC006427.1	4	16307456	16308167	711	processed pseudogene	-1.82	1.06E-02	4.93E-02

ENSG00000259731	AC022929.1	15	38756552	38759413	2861	lncRNA	-1.82	9.04E-03	4.44E-02
ENSG00000267478	AP002414.3	18	12091674	12093141	1467	processed_pseudogene	-1.82	1.88E-03	1.64E-02
ENSG00000231606	AL357873.1	1	14221887	14304445	82558	lncRNA	-1.82	2.25E-04	4.23E-03
ENSG00000234380	LINC01426	21	34745757	34784886	39129	lncRNA	-1.82	4.20E-05	1.38E-03
ENSG00000285662	FAM245B	10	46721002	46751738	30736	lncRNA	-1.82	2.48E-03	1.95E-02
ENSG00000280276	AC009229.4	2	38121935	38123881	1946	TEC	-1.82	3.48E-03	2.43E-02
ENSG00000086696	HSD17B2	16	82035004	82098534	63530	protein coding	-1.82	3.63E-06	2.45E-04
ENSG00000280693	SH3PX2A-AS1	10	103745966	103755423	9457	lncRNA-antisense	-1.82	6.15E-05	1.78E-03
ENSG00000213514	AL731556.1	10	77730766	77734769	4003	processed_pseudogene	-1.82	5.43E-04	7.56E-03
ENSG00000229658	PABPC1P9	22	16423943	16426031	2088	unprocessed_pseudogene	-1.82	3.52E-03	2.45E-02
ENSG00000145192	AHS3	3	186613060	186621318	8258	protein coding	-1.82	1.41E-04	3.13E-03
ENSG00000272281	TPTE2P2	13	52219344	52334277	114933	transcribed_unprocessed_pseudogene	-1.82	7.41E-06	4.17E-04
ENSG00000224982	TMEM233	12	119593774	119643075	49301	protein coding	-1.82	6.89E-04	8.76E-03
ENSG00000234522	AC073587.1	10	120434983	120440376	5393	unprocessed_pseudogene	-1.82	6.02E-03	3.42E-02
ENSG00000259659	AC009996.1	15	44557829	44559188	1359	lncRNA-sense intronic	-1.82	1.08E-02	4.97E-02
ENSG00000278965	AC122713.2	5	180078357	180081691	3334	TEC	-1.82	1.68E-04	3.51E-03
ENSG00000204700	OR2J2	6	29170907	29175811	4904	protein coding	-1.82	3.03E-03	2.22E-02
ENSG00000267741	UBE2L4	19	9774497	9774960	463	processed_pseudogene	-1.82	7.77E-03	4.03E-02
ENSG00000166763	STRCP1	15	43699441	43718260	18819	transcribed_unprocessed_pseudogene	-1.82	2.17E-04	4.12E-03
ENSG00000239254	AC009220.2	7	139172516	139174266	1750	processed_pseudogene	-1.82	4.14E-03	2.71E-02
ENSG00000266014	AC103808.4	18	76232927	76252044	19117	lncRNA	-1.82	1.42E-03	1.37E-02
ENSG00000178248	FAM230I	22	23462086	23486980	24894	lncRNA	-1.82	9.71E-04	1.08E-02
ENSG00000198183	BPIFA1	20	33235995	33243311	7316	protein coding	-1.82	9.31E-04	1.05E-02
ENSG00000279668	AC024610.2	17	33827699	34079100	25140	lncRNA	-1.82	5.38E-07	6.25E-05
ENSG00000261592	AC010531.3	16	87396704	87400295	3591	lncRNA-antisense	-1.82	1.36E-03	1.33E-02
ENSG00000228750	LINC01672	1	6724637	6730012	5375	lncRNA	-1.82	4.13E-04	6.32E-03
ENSG00000279682	AC120338.1	X	7489659	7491199	1540	TEC	-1.83	8.88E-03	4.39E-02
ENSG00000256694	AC026369.2	12	164664	166321	1657	lncRNA-antisense	-1.83	3.46E-03	2.42E-02
ENSG00000254401	LINC02752	11	11020883	11183611	162728	lncRNA	-1.83	2.83E-04	4.93E-03
ENSG00000265542	AC015845.2	17	57771946	57834749	62803	lncRNA	-1.83	3.62E-03	2.50E-02
ENSG00000224539	SAGE4P	X	135598927	135615431	16504	unprocessed_pseudogene	-1.83	4.88E-04	7.00E-03
ENSG00000135750	KCNK1	1	233614106	233672514	58408	protein coding	-1.83	3.68E-06	2.47E-04
ENSG00000198125	MB	22	35606764	35637951	31187	protein coding	-1.83	5.68E-05	1.69E-03
ENSG00000173239	LIPM	10	88802730	88820546	17816	protein coding	-1.83	4.08E-03	2.69E-02
ENSG00000132840	BHMT2	5	79069767	79090069	20302	protein coding	-1.83	9.69E-05	2.47E-03
ENSG00000120498	TEX11	X	70528940	70908711	379771	protein coding	-1.83	2.60E-05	1.00E-03
ENSG00000230598	AL645937.3	6	29212886	29216933	4047	transcribed_unprocessed_pseudogene	-1.83	5.64E-03	3.27E-02
ENSG00000267215	AC040963.1	18	59081911	59085920	4009	lncRNA	-1.83	9.87E-04	1.09E-02
ENSG00000236208	C10orf71-AS1	10	49296112	49299018	2906	lncRNA-antisense	-1.83	6.00E-03	3.42E-02
ENSG00000283568	5 S rRNA	20	29297095	29297246	151	rRNA	-1.83	1.04E-02	4.85E-02
ENSG00000204880	KRTAP4-8	17	41096981	41098142	1161	protein coding	-1.83	9.70E-03	4.64E-02
ENSG00000176798	OR51L1	11	4994851	5005536	10685	protein coding	-1.83	1.15E-04	2.75E-03
ENSG00000228056	CFL1P3	1	63843196	63843685	489	processed_pseudogene	-1.83	7.09E-03	3.80E-02
ENSG00000230258	AC005208.1	17	70017324	70128859	111535	lncRNA-antisense	-1.83	4.10E-03	2.70E-02
ENSG00000261426	AC144833.1	15	27362310	27366398	4088	lncRNA-sense intronic	-1.83	2.60E-03	2.02E-02
ENSG00000215296	TMCO5B	15	33235552	33247621	12069	transcribed_unitary_pseudogene	-1.83	1.14E-03	1.20E-02
ENSG00000259882	AC142384.1	16	33577502	33622547	45045	unprocessed_pseudogene	-1.83	5.36E-03	3.17E-02
ENSG00000231768	LINC01354	1	234527887	234531803	3916	lncRNA	-1.83	2.30E-04	4.30E-03
ENSG00000285919	AC087639.2	15	68880663	68928941	48278	lncRNA-antisense	-1.83	7.21E-04	8.97E-03
ENSG00000088926	F11	4	186266189	186289681	23492	protein coding	-1.83	2.54E-05	9.88E-04
ENSG00000253235	AC11149.1	8	73326991	73370601	43610	lncRNA	-1.83	7.90E-03	4.07E-02
ENSG00000173124	ACSM6	10	95194200	95228928	34728	protein coding	-1.83	3.64E-04	5.84E-03
ENSG00000204006	C1orf185	1	51102221	51148086	45865	protein coding	-1.83	9.31E-03	4.52E-02
ENSG00000165694	FRMD7	X	132076990	132128020	51030	protein coding	-1.83	2.03E-04	3.95E-03
ENSG00000237937	LINC02702	11	116639422	116658295	18873	lncRNA	-1.83	3.64E-03	2.50E-02
ENSG00000286792	AC005703.6	17	15266848	15311760	44912	lncRNA	-1.83	7.92E-03	4.08E-02
ENSG00000174339	OR2Y1	5	180739042	180740099	1057	protein coding	-1.84	8.88E-03	4.39E-02
ENSG00000260782	AC007225.1	16	46789898	46792040	2142	processed_pseudogene	-1.84	3.27E-03	2.33E-02
ENSG00000259735	AC092868.2	15	59348648	59359889	11241	lncRNA-sense intronic	-1.84	5.84E-03	3.36E-02
ENSG00000259776	AC093426.1	1	239247808	239250818	3010	lncRNA	-1.84	1.96E-03	1.68E-02
ENSG00000266535	AC008133.1	17	33111858	33131743	19885	lncRNA-antisense	-1.84	3.24E-03	2.32E-02
ENSG00000217165	ANKRD18EP	6	39110321	39112952	2631	processed_pseudogene	-1.84	1.64E-03	1.50E-02
ENSG00000237423	LINC01522	20	47976739	47990127	13388	lncRNA	-1.84	1.27E-04	2.92E-03
ENSG00000278770	Melazoa_SRP	17	45526466	45526746	280	misc RNA	-1.84	5.57E-03	3.25E-02
ENSG00000250230	AP002754.1	11	61588442	61607550	19108	lncRNA	-1.84	3.25E-05	1.16E-03
ENSG00000269729	AC006262.2	19	46163893	46180647	16754	lncRNA	-1.84	1.01E-02	4.78E-02
ENSG00000230657	PRB4	12	11307077	11310436	3359	protein coding	-1.84	4.99E-03	3.04E-02
ENSG00000114248	LRRRC31	3	169839172	169869935	30763	protein coding	-1.84	6.08E-04	8.09E-03
ENSG00000101435	CST9L	20	23564732	23568484	3752	protein coding	-1.84	7.56E-03	3.96E-02
ENSG00000287963	AC010476.2	5	155087430	155199252	111822	lncRNA	-1.84	1.75E-04	3.61E-03
ENSG00000178596	GAPDHP29	1	94302038	94303022	984	processed_pseudogene	-1.84	5.52E-03	3.23E-02
ENSG00000252010	SCARNA5	2	233275727	233276002	275	scaRNA	-1.84	3.33E-06	2.33E-04
ENSG00000234626	AL021937.3	22	32327064	32343105	16041	lncRNA-antisense	-1.84	1.02E-03	1.12E-02
ENSG00000279717	AC005336.3	19	15904556	15907234	2678	TEC	-1.84	3.88E-03	2.61E-02
ENSG00000170923	OR7G2	19	9100407	9107475	7068	protein coding	-1.84	7.52E-04	9.21E-03
ENSG00000277211	AC092132.2	16	20155648	20158391	2743	processed_pseudogene	-1.84	5.51E-03	3.23E-02
ENSG00000230324	LINC01734	20	39213777	39224748	10971	lncRNA	-1.84	6.11E-03	3.45E-02
ENSG00000250374	TRIM75P	4	165053864	165060554	6690	protein coding	-1.85	5.98E-03	3.41E-02
ENSG00000204480	PRAMEF19	1	13369067	13371900	2833	protein coding	-1.85	7.62E-04	9.31E-03
ENSG00000167117	ANKRD40CL	17	50761029	50767557	6528	protein coding	-1.85	8.41E-04	9.86E-03
ENSG00000279791	AC018892.3	2	97094935	97097433	2498	TEC	-1.85	8.02E-05	2.18E-03
ENSG00000223528	AL359094.1	10	126988095	127026507	38412	lncRNA-antisense	-1.85	2.28E-05	9.11E-04
ENSG00000233508	AL021395.1	20	43189998	43202599	12601	lncRNA	-1.85	4.15E-04	6.34E-03
ENSG00000233067	PTCHD1-AS	X	22191895	22235358	43463	lncRNA	-1.85	7.77E-03	4.03E-02
ENSG00000288555	AF222685.1	21	15190406	15224394	33988	lncRNA	-1.85	9.69E-03	4.64E-02
ENSG00000236866	AL157902.1	1	117596832	117605770	8938	lncRNA-antisense	-1.85	1.14E-03	1.20E-02
ENSG00000183644	HOATZ	11	111514785	111537031	22246	protein coding	-1.85	4.68E-04	6.82E-03
ENSG00000198650	TAT	16	71565660	71577092	11432	protein coding	-1.85	6.00E-06	3.58E-04
ENSG00000257376	AC079601.2	12	42431665	42433357	1692	processed_pseudogene	-1.85	1.14E-03	1.20E-02
ENSG00000270035	AL359881.2	1	7698303	7698872	569	lncRNA	-1.85	5.46E-03	3.21E-02

ENSG00000132958	TPTE2	13	19422877	19536762	113885	protein coding	-1.85	5.21E-05	1.60E-03
ENSG00000103316	CRYM	16	21238874	21303083	64209	protein coding	-1.85	2.03E-07	2.83E-05
ENSG00000231707	PABPC1P1	4	39973444	39974338	894	processed pseudogene	-1.85	1.26E-03	1.27E-02
ENSG00000179546	HTR1D	1	23191895	23194729	2834	protein coding	-1.85	2.53E-04	4.57E-03
ENSG00000247324	AC010547.1	16	71462278	71465941	3663	lncRNA-antisense	-1.85	2.94E-05	1.08E-03
ENSG00000181733	QRZ21	19	8721634	8732160	10526	protein coding	-1.85	1.81E-03	1.59E-02
ENSG00000269651	AC022146.1	19	8173272	8175567	2295	unprocessed pseudogene	-1.85	9.86E-03	4.70E-02
ENSG00000132639	SNAP25	20	10218830	10307418	88588	protein coding	-1.85	5.27E-06	3.25E-04
ENSG00000260862	AC099506.1	16	82773319	82829638	56319	lncRNA-sense intronic	-1.85	2.43E-04	4.46E-03
ENSG00000228141	AC105339.1	15	82710471	82714029	3558	transcribed unitary pseudogene	-1.85	3.09E-05	1.12E-03
ENSG00000241388	HNF1A-AS1	12	120941728	120980965	39237	lncRNA	-1.85	1.58E-04	3.36E-03
ENSG00000253932	AC019270.1	8	13338574	13342754	4180	lncRNA-antisense	-1.86	3.10E-03	2.25E-02
ENSG00000231971	CT69	6	134428239	134520585	92346	lncRNA	-1.86	4.49E-03	2.86E-02
ENSG00000236013	AL357146.1	6	139976352	140093721	117369	lncRNA	-1.86	1.62E-03	1.48E-02
ENSG00000134216	CHIA	1	111290851	111320566	29715	protein coding	-1.86	3.93E-04	6.13E-03
ENSG00000187847	OR7E2P5	19	9198354	9210067	11713	transcribed unprocessed pseudogene	-1.86	1.27E-05	6.14E-04
ENSG00000227929	SRGAP3-AS3	3	9216895	9219508	2613	lncRNA-antisense	-1.86	2.58E-03	2.00E-02
ENSG00000286732	AC091181.2	17	57253236	57255855	2619	lncRNA	-1.86	4.06E-03	2.69E-02
ENSG00000204941	PSG5	19	43166256	43186536	20280	protein coding	-1.86	1.29E-04	2.96E-03
ENSG00000106809	OGN	9	92383268	92404696	21428	protein coding	-1.86	3.15E-04	5.30E-03
ENSG00000267617	AC007795.1	19	28869507	28879176	9669	lncRNA	-1.86	6.19E-03	3.48E-02
ENSG00000184166	OR1D2	17	3088484	3104422	15938	protein coding	-1.86	2.30E-04	4.30E-03
ENSG00000235432	AL636074.2	1	20692734	20694013	1279	unprocessed pseudogene	-1.86	5.22E-03	3.13E-02
ENSG00000215110	UGT2B25P	4	69389492	69402081	12589	processed pseudogene	-1.86	8.83E-03	4.38E-02
ENSG00000197171	AL672167.1	6	29223973	29229263	68990	transcribed unprocessed pseudogene	-1.86	1.24E-03	1.26E-02
ENSG00000176198	OR11H4	14	20239286	20244349	5063	protein coding	-1.86	1.02E-02	4.79E-02
ENSG00000226413	OR8T1P	12	48442030	48442947	917	unprocessed pseudogene	-1.86	7.90E-03	4.07E-02
ENSG00000227091	SLC6A17-AS1	1	110165948	110172489	6541	lncRNA-antisense	-1.86	3.83E-04	6.03E-03
ENSG00000235430	ZSWIM5P1	17	15768717	15771426	2709	processed pseudogene	-1.86	7.47E-04	4.98E-03
ENSG00000162723	SLAMF9	1	159951492	159954237	2745	protein coding	-1.86	6.06E-03	3.44E-02
ENSG00000263667	AL035696.3	6	181466	205519	24053	lncRNA	-1.86	2.86E-04	4.96E-03
ENSG00000224071	DNMT3AP1	2	66820684	66822570	1886	processed pseudogene	-1.86	2.52E-03	1.97E-02
ENSG00000132031	MATN3	2	19992052	20012668	2016	protein coding	-1.86	5.74E-05	1.70E-03
ENSG00000233017	AL121832.1	20	62427827	62447677	19850	lncRNA-antisense	-1.86	1.08E-03	1.16E-02
ENSG00000179873	NLRP11	19	55785397	55836800	51403	protein coding	-1.87	1.14E-05	5.69E-04
ENSG00000237290	LINC01343	1	38209034	38214806	5772	lncRNA	-1.87	1.03E-04	2.57E-03
ENSG00000274808	TBC1D3B	17	36166681	36176636	10955	protein coding	-1.87	2.53E-04	4.57E-03
ENSG00000224682	SOC55P2	9	135447446	135450154	2708	processed pseudogene	-1.87	8.95E-04	1.03E-02
ENSG00000234855	SLT1-AS1	10	97102756	97104355	1599	lncRNA-antisense	-1.87	1.22E-03	1.25E-02
ENSG00000257510	LINC02402	12	42615221	42646547	31326	lncRNA	-1.87	3.93E-03	2.63E-02
ENSG00000261195	AC027130.1	16	19761172	19768099	4927	lncRNA-antisense	-1.87	8.87E-03	4.39E-02
ENSG00000136698	CFC1	2	130592165	130599575	7410	protein coding	-1.87	7.89E-03	4.07E-02
ENSG00000204478	PRAMEF20	1	13416351	13421328	4977	protein coding	-1.87	6.07E-05	1.76E-03
ENSG00000234754	LINC02117	1	221330080	221336489	6409	lncRNA	-1.87	5.32E-03	3.16E-02
ENSG00000248317	AC111194.1	4	54943626	54957832	14206	lncRNA	-1.87	8.63E-03	4.31E-02
ENSG00000226913	BNS-DT	3	49549306	49554366	5060	lncRNA	-1.87	9.68E-04	1.08E-02
ENSG00000185479	KRT6B	12	52446651	52452146	5495	protein coding	-1.87	7.02E-05	1.98E-03
ENSG00000169340	PDILT	16	20359175	20404737	45562	protein coding	-1.87	2.01E-04	3.93E-03
ENSG00000264813	AC113554.1	17	63484823	63521848	37025	protein coding	-1.87	4.07E-03	2.69E-02
ENSG00000280306	AC137056.2	16	20487702	20489659	1957	TEC	-1.87	4.35E-03	2.79E-02
ENSG00000259570	AC243562.1	15	84394512	84395514	1002	unprocessed pseudogene	-1.87	4.06E-03	2.69E-02
ENSG00000213770	FAM210CP	10	27349717	27350290	573	processed pseudogene	-1.87	3.54E-03	2.46E-02
ENSG00000226469	ADAM1B	12	111927018	111929017	1999	unitary pseudogene	-1.87	9.08E-04	1.04E-02
ENSG00000217455	AC073316.1	7	3140234	3174654	34420	lncRNA	-1.87	1.95E-05	8.28E-04
ENSG00000164871	SPAG11B	8	7442684	7463674	20990	protein coding	-1.87	2.96E-03	2.19E-02
ENSG00000224565	LINC01754	20	47391925	47412327	20402	lncRNA	-1.87	1.32E-03	1.31E-02
ENSG00000244573	RPL30P11	12	14356842	14365503	8661	transcribed processed pseudogene	-1.87	5.57E-03	3.25E-02
ENSG00000229486	AC104454.1	1	84015865	84018371	2506	processed pseudogene	-1.87	1.88E-03	1.64E-02
ENSG00000227145	IL21-AS1	4	122618983	122689156	70173	lncRNA-antisense	-1.87	2.12E-04	4.07E-03
ENSG00000224971	SUMO2P3	7	55732144	55732431	287	processed pseudogene	-1.87	2.98E-03	2.19E-02
ENSG00000237510	GPAT2P1	2	95789654	95800166	10512	transcribed unprocessed pseudogene	-1.87	2.55E-05	9.88E-04
ENSG00000250480	AC034244.2	5	57120796	57122624	1828	processed pseudogene	-1.88	6.10E-03	3.45E-02
ENSG00000233457	AL353705.2	9	78150532	78151193	661	processed pseudogene	-1.88	4.85E-03	2.99E-02
ENSG00000238178	AC078993.1	X	16152941	16170869	17928	lncRNA-antisense	-1.88	2.59E-03	2.01E-02
ENSG00000280291	AC016251.1	15	96294935	96298023	3088	TEC	-1.88	1.45E-03	1.39E-02
ENSG00000196832	OR11G2	14	20190894	20201075	10181	protein coding	-1.88	1.39E-04	3.11E-03
ENSG00000115593	SMYD1	2	88067825	88113384	45559	protein coding	-1.88	5.28E-05	1.62E-03
ENSG00000201412	Y RNA	10	92710499	92710608	109	misc RNA	-1.88	4.24E-03	2.76E-02
ENSG00000243137	PSG4	19	43192702	43207299	14597	protein coding	-1.88	2.37E-05	9.42E-04
ENSG00000287533	AC011477.8	19	19757951	19774809	16858	lncRNA	-1.88	2.80E-03	2.11E-02
ENSG00000285939	AC034268.2	17	53276760	54365634	1088874	lncRNA-antisense	-1.88	3.14E-03	2.27E-02
ENSG00000237439	Z83839.1	22	32129689	32130612	923	transcribed unprocessed pseudogene	-1.88	5.41E-03	3.19E-02
ENSG00000279358	AP02833.3	11	126934886	126937150	2264	TEC	-1.88	3.66E-03	2.51E-02
ENSG00000280419	AC10531.8	16	87296949	87297633	684	TEC	-1.88	8.33E-03	4.22E-02
ENSG00000263232	ATP5F1AP3	16	72005037	72006543	1506	processed pseudogene	-1.88	1.58E-03	1.46E-02
ENSG00000213727	AP000533.1	22	15572089	15573265	1176	processed pseudogene	-1.88	9.95E-03	4.73E-02
ENSG00000213487	ASS1P4	X	3367149	3368382	1233	processed pseudogene	-1.88	7.23E-03	3.85E-02
ENSG00000248529	AC028746.1	5	61658474	61698432	39958	lncRNA-antisense	-1.88	8.83E-05	2.33E-03
ENSG00000236027	PATE3	11	125788127	125791600	3473	protein coding	-1.88	1.09E-02	4.99E-02
ENSG00000185385	OR7A17	19	14878203	14886132	7929	protein coding	-1.88	5.76E-04	7.82E-03
ENSG00000172156	CCL11	17	34285742	34288334	2592	protein coding	-1.88	6.36E-03	3.54E-02
ENSG00000203643	AC012456.1	2	11721619	11724222	2603	lncRNA-antisense	-1.89	2.63E-03	2.03E-02
ENSG00000253868	FER1L6-AS2	8	124044395	124171522	127127	lncRNA-antisense	-1.89	2.13E-04	4.08E-03
ENSG00000261304	LINC002252	15	34651135	34671095	19960	lncRNA	-1.89	6.87E-03	3.72E-02
ENSG00000264859	DSG2-AS1	18	31542146	31556948	14802	lncRNA-antisense	-1.89	9.86E-04	1.09E-02
ENSG00000171489	SPAC45	X	48004336	48009729	5393	protein coding	-1.89	2.23E-03	1.83E-02
ENSG00000240790	AC073934.1	7	12764685	127652012	7327	lncRNA-antisense	-1.89	3.43E-03	2.41E-02
ENSG00000225582	AC011193.1	17	34479272	34482148	2876	lncRNA	-1.89	4.17E-03	2.72E-02
ENSG00000269124	AC007193.2	19	46320197	46340004	19807	lncRNA-antisense	-1.89	2.31E-03	1.86E-02
ENSG00000287552	AC109925.1	4	94315486	94343041	27555	lncRNA	-1.89	1.44E-03	1.38E-02

ENSG00000123307	NEUROD4	12	55019974	55030017	10043	protein coding	-1.89	4.67E-04	6.80E-03
ENSG00000171942	OR10H2	19	15728020	15729060	1040	protein coding	-1.89	3.80E-03	2.57E-02
ENSG00000288068	AC027088.5	15	68985795	68998679	12884	lncRNA	-1.89	4.77E-04	6.91E-03
ENSG00000287415	AC099541.2	3	40869548	40875980	6432	lncRNA	-1.89	1.64E-03	1.50E-02
ENSG00000184330	S100A7A	1	153416520	153423222	6702	protein coding	-1.89	1.52E-04	3.29E-03
ENSG00000260551	PWRN2	15	24162754	24169948	7194	lncRNA	-1.89	6.30E-04	8.31E-03
ENSG00000278920	AC005005.4	22	31051630	31068327	16697	lncRNA-sense overlapping	-1.89	6.18E-06	3.66E-04
ENSG00000260343	LINC01043	13	112313467	112321758	8291	lncRNA	-1.89	4.18E-05	1.37E-03
ENSG00000256056	AC087257.2	12	27592461	27594039	1578	unprocessed pseudogene	-1.89	1.00E-02	4.74E-02
ENSG00000243130	PSG11	19	43007656	43026474	18818	protein coding	-1.89	2.06E-04	3.98E-03
ENSG00000287619	AL021308.1	X	103563917	103573278	9361	lncRNA	-1.89	1.06E-02	4.93E-02
ENSG00000279200	AC020558.5	17	17616043	17617745	1702	TEC	-1.89	2.08E-04	4.01E-03
ENSG00000226206	BX470209.1	9	89799695	89821753	22058	lncRNA	-1.89	7.05E-03	3.79E-02
ENSG00000235434	AL391883.1	1	19814367	19819502	5135	lncRNA-antisense	-1.89	6.06E-03	3.44E-02
ENSG00000196166	C8orf86	8	38510834	38560939	50105	lncRNA	-1.89	5.15E-04	7.24E-03
ENSG00000270226	AC006548.2	22	17012404	17012932	528	processed pseudogene	-1.89	1.08E-02	4.98E-02
ENSG00000286325	AC124861.3	2	240184716	240187878	3162	lncRNA	-1.89	1.04E-02	4.85E-02
ENSG00000273001	AL731533.2	20	3065424	3066001	577	lncRNA	-1.89	6.42E-03	3.56E-02
ENSG00000232837	LINC01700	21	38974429	38977774	3345	lncRNA	-1.89	7.90E-03	4.07E-02
ENSG00000259283	AC109462.1	16	55259969	55333588	73619	lncRNA-antisense	-1.90	1.03E-02	4.82E-02
ENSG00000228397	LINC01635	1	22023990	22026048	2058	lncRNA	-1.90	4.15E-04	6.34E-03
ENSG00000104055	TGM5	15	43232590	43266928	34338	protein coding	-1.90	3.38E-04	5.57E-03
ENSG00000226440	LAMA4-AS1	1	112236093	112307009	70916	lncRNA-antisense	-1.90	1.56E-03	1.45E-02
ENSG00000230630	DNM3OS	6	172138397	172144840	6443	lncRNA-antisense	-1.90	1.69E-03	1.53E-02
ENSG00000287275	AC011451.4	19	9458119	9462388	4269	lncRNA	-1.90	9.35E-04	1.05E-02
ENSG00000268754	LINC01081	16	86221420	86301303	79883	lncRNA	-1.90	3.18E-04	5.31E-03
ENSG00000258039	AC117377.1	12	99093359	99105011	11652	lncRNA-antisense	-1.90	1.08E-02	4.97E-02
ENSG00000230500	MXK-AS1	10	27744786	27767794	23008	lncRNA-antisense	-1.90	9.40E-04	1.06E-02
ENSG00000135324	MRAP2	6	84033772	84090881	57109	protein coding	-1.90	5.08E-03	3.08E-02
ENSG00000285775	AC109136.1	16	55045700	55049318	3618	lncRNA	-1.90	1.22E-03	1.25E-02
ENSG00000260762	ACSM5P1	16	20586550	20607107	20557	unprocessed pseudogene	-1.90	1.63E-04	3.45E-03
ENSG00000254443	AC068733.1	11	6362799	6365267	2468	lncRNA	-1.90	1.25E-03	1.27E-02
ENSG00000259299	AC061965.2	15	29233673	29235137	1464	processed pseudogene	-1.90	1.40E-03	1.36E-02
ENSG00000226567	LINC00606	3	10759350	10764209	4859	lncRNA	-1.90	5.75E-04	7.81E-03
ENSG00000069122	ADGRF5	6	46862522	46954943	102421	protein coding	-1.90	3.99E-06	2.62E-04
ENSG00000163530	DPFA2	3	109293788	109316517	22729	protein coding	-1.90	4.77E-04	6.91E-03
ENSG00000259724	LINC01581	15	93905405	94107938	20533	lncRNA	-1.90	1.12E-04	2.71E-03
ENSG00000267465	AC011525.2	19	31588159	31593786	5627	lncRNA	-1.90	8.48E-05	2.27E-03
ENSG00000260896	ARLNC1	16	80826074	80892682	66608	lncRNA	-1.90	2.23E-06	1.74E-04
ENSG00000263887	AC053481.2	17	62282702	62297026	14324	transcribed unprocessed pseudogene	-1.90	2.84E-05	1.06E-03
ENSG00000258823	AL160314.3	14	22723476	22726572	3096	transcribed unprocessed pseudogene	-1.90	1.07E-02	4.93E-02
ENSG00000073754	CD5L	1	157830911	157898256	67345	protein coding	-1.90	4.75E-05	1.51E-03
ENSG00000261095	AC136285.1	16	87212122	87226430	14308	lncRNA	-1.90	2.22E-03	1.82E-02
ENSG00000258647	LINC00930	15	92567817	92574529	6712	lncRNA	-1.90	9.42E-06	4.92E-04
ENSG00000228323	MYADM-AS1	19	53854581	53869107	14526	lncRNA-antisense	-1.90	3.26E-04	5.45E-03
ENSG00000260202	AL109954.1	20	23481645	23519054	37409	lncRNA	-1.90	1.23E-03	1.25E-02
ENSG00000215165	TCEA1P3	9	38478471	38479350	879	processed pseudogene	-1.90	7.65E-03	3.99E-02
ENSG00000228876	AC010745.2	2	16224047	16333978	109931	lncRNA	-1.90	1.20E-05	5.89E-04
ENSG00000279442	AP000542.2	22	15298378	15304556	6178	lncRNA	-1.91	9.19E-03	4.49E-02
ENSG00000267127	AC090360.1	18	80034346	80097088	62742	protein coding	-1.91	1.63E-05	7.25E-04
ENSG00000256540	AC007406.3	12	166856	182399	15543	lncRNA	-1.91	1.90E-04	3.79E-03
ENSG00000237282	LINC00051	20	18379049	18381484	2435	lncRNA-antisense	-1.91	7.91E-03	4.08E-02
ENSG00000259867	AC105411.1	16	80154979	80563354	408375	lncRNA-antisense	-1.91	9.33E-06	4.89E-04
ENSG00000286790	AC010494.1	16	19180748	19184060	3312	lncRNA	-1.91	7.97E-04	9.54E-03
ENSG00000273172	LINC02091	17	183824	191587	7763	lncRNA	-1.91	2.70E-03	2.06E-02
ENSG00000258481	AL133240.1	14	92253493	92263656	10163	lncRNA	-1.91	8.81E-03	4.37E-02
ENSG00000273492	AP000229.1	21	26170871	26217381	46510	lncRNA	-1.91	9.25E-04	1.05E-02
ENSG00000188280	FAM230G	22	20338805	20354372	15567	lncRNA-antisense	-1.91	1.26E-04	2.92E-03
ENSG00000146233	CYP39A1	6	46549580	46652830	103250	protein coding	-1.91	2.16E-04	4.11E-03
ENSG00000287983	AL035251.1	20	39231115	39233836	2721	lncRNA	-1.91	9.52E-05	2.44E-03
ENSG00000258534	AL132712.1	14	103854366	103880111	25745	lncRNA	-1.91	6.57E-03	3.61E-02
ENSG00000262267	U95743.1	16	13728654	13779760	51106	lncRNA	-1.91	1.49E-03	1.41E-02
ENSG00000268460	AC006262.1	19	46201552	46214838	13286	lncRNA	-1.91	1.56E-06	1.35E-04
ENSG00000276729	Melaza SRP	19	50019019	50019320	301	misc RNA	-1.91	8.79E-03	4.36E-02
ENSG00000261210	CLEC19A	16	19285731	19322145	36414	protein coding	-1.91	2.16E-05	8.80E-04
ENSG00000229316	HMBG1P45	1	50398825	50399773	948	processed pseudogene	-1.91	1.06E-02	4.93E-02
ENSG00000267961	OR10B1P	19	15141105	15142062	957	unprocessed pseudogene	-1.91	2.79E-03	2.11E-02
ENSG00000131059	BP1FA3	20	33217310	33227806	10496	protein coding	-1.91	3.11E-04	5.26E-03
ENSG00000135355	GJA10	6	89894469	89921760	27291	protein coding	-1.91	4.23E-03	2.75E-02
ENSG00000270547	LINC01235	9	13406380	13488125	81745	lncRNA	-1.91	7.18E-04	8.94E-03
ENSG00000287224	AC099791.4	1	61588049	61589904	1855	lncRNA	-1.91	2.24E-03	1.83E-02
ENSG00000212901	KRTAP3-1	17	41008521	41019324	10803	protein coding	-1.91	1.06E-02	4.93E-02
ENSG00000240522	RPL7AP10	19	21149648	21150438	790	processed pseudogene	-1.91	5.15E-03	3.10E-02
ENSG00000259281	LINGO1-AS2	15	77660052	77668074	8022	lncRNA-antisense	-1.91	1.33E-03	1.31E-02
ENSG00000224322	AC04009.1	7	27361591	27410358	48767	lncRNA	-1.91	6.17E-03	3.47E-02
ENSG00000183747	ACSM2A	16	20451461	20487669	36208	protein coding	-1.91	2.21E-06	1.74E-04
ENSG00000227482	AL157702.2	9	113650956	113682855	31899	lncRNA	-1.91	8.95E-03	4.41E-02
ENSG00000166787	SAA3P	11	18112472	18116132	3660	transcribed unprocessed pseudogene	-1.91	4.17E-03	2.72E-02
ENSG00000198930	CSAG1	X	152727484	152733735	6251	protein coding	-1.92	1.04E-02	4.86E-02
ENSG00000183929	DUSP5P1	1	228650241	228651379	1138	processed pseudogene	-1.92	4.47E-03	2.77E-02
ENSG00000172752	COL6A5	3	130345516	130484844	139328	protein coding	-1.92	2.73E-08	5.66E-06
ENSG00000179136	LINC00670	17	12549764	12642854	93090	lncRNA	-1.92	2.29E-04	4.28E-03
ENSG00000164294	GPX8	5	55160167	55167297	7130	protein coding	-1.92	1.08E-03	1.16E-02
ENSG00000279579	LINC01666	21	8759077	8761335	2258	lncRNA	-1.92	1.91E-04	3.80E-03
ENSG00000228620	Z97056.1	22	38424288	38427336	3048	lncRNA-antisense	-1.92	3.37E-03	2.38E-02
ENSG00000141946	ZIM3	19	57134096	57145202	11106	protein coding	-1.92	1.30E-03	1.29E-02
ENSG00000258497	AL359682.1	14	101257332	101278318	20986	lncRNA	-1.92	4.51E-03	2.86E-02
ENSG00000260072	AC008938.1	16	24472798	24495177	22379	lncRNA	-1.92	8.57E-07	8.68E-05
ENSG00000261409	AL035425.3	X	108719949	108724944	4995	lncRNA-sense overlapping	-1.92	4.87E-03	2.99E-02
ENSG00000166959	MS4A8	11	60699585	60715807	16222	protein coding	-1.92	8.66E-05	2.30E-03

ENSG00000287708	AL137017.1	9	14395791	14472407	76616	lncRNA	-1.92	8.29E-04	9.77E-03
ENSG00000274279	SPATA31E3P	15	22401208	22406944	5736	unprocessed_pseudogene	-1.92	4.07E-03	2.69E-02
ENSG00000211961	IGHV1-45	14	106506996	106507491	495	IG V gene	-1.92	2.06E-03	1.74E-02
ENSG00000255203	OR7E2P	11	86857059	86857947	888	unprocessed_pseudogene	-1.92	1.02E-02	4.79E-02
ENSG00000187569	DP3A3	12	7711433	7717559	6126	protein coding	-1.92	7.45E-03	3.92E-02
ENSG00000175676	GOLGA8DP	15	23157366	23170711	13345	transcribed_unprocessed_pseudogene	-1.92	6.08E-04	8.09E-03
ENSG00000124092	CTCF	20	57495966	57525652	29686	protein coding	-1.92	6.87E-06	3.97E-04
ENSG00000233405	LINC01046	13	21224521	21235204	10683	lncRNA	-1.93	1.15E-03	1.20E-02
ENSG00000260564	AL161912.2	9	79889001	79892007	3006	lncRNA	-1.93	5.71E-03	3.31E-02
ENSG00000221933	OR2A25	7	144069811	14407580	6059	protein coding	-1.93	1.53E-03	1.43E-02
ENSG00000235584	AC008288.1	2	95660588	95668727	8139	lncRNA	-1.93	5.19E-05	1.60E-03
ENSG00000185860	CCDC190	1	162824458	162868815	44357	protein coding	-1.93	6.30E-05	1.81E-03
ENSG00000170426	SDR9C7	12	56923133	56934408	11275	protein coding	-1.93	2.83E-03	2.12E-02
ENSG00000144837	PLA1A	3	119597875	119629811	31936	protein coding	-1.93	1.39E-05	6.50E-04
ENSG00000286442	AL512603.1	10	23575012	23586224	11212	lncRNA	-1.93	2.02E-03	1.72E-02
ENSG00000287727	AL139423.2	1	10612222	10616452	4230	lncRNA	-1.93	2.93E-04	5.04E-03
ENSG00000274554	AC083806.2	12	116948738	116951422	2684	lncRNA-antisense	-1.93	2.10E-03	1.76E-02
ENSG00000254265	AC100810.2	8	1730206	1731452	1246	processed_pseudogene	-1.93	3.60E-03	2.48E-02
ENSG00000284883	AC021066.2	12	52263948	52267461	3513	unprocessed_pseudogene	-1.93	2.21E-03	1.82E-02
ENSG00000284240	LINC02801	1	87212669	87264741	52072	lncRNA	-1.93	1.08E-04	2.65E-03
ENSG00000227742	CALR4P	1	51561866	51594897	33031	transcribed_unitary_pseudogene	-1.93	4.87E-05	1.53E-03
ENSG00000287184	AC007269.1	7	159107761	159109216	1455	lncRNA	-1.93	7.06E-03	3.79E-02
ENSG00000285875	AL035446.2	6	140575788	140898381	322593	lncRNA	-1.93	3.20E-03	2.30E-02
ENSG00000196754	S100A2	1	153561108	153567890	6782	protein coding	-1.93	1.96E-05	8.31E-04
ENSG00000275152	CCL16	17	35976493	35981497	5004	protein coding	-1.93	3.92E-05	1.32E-03
ENSG00000198136	SERPINA3	14	94612384	94624055	11671	protein coding	-1.93	7.68E-05	2.21E-03
ENSG00000235160	LINC02248	15	26395037	26455217	60180	lncRNA	-1.93	1.68E-04	3.51E-03
ENSG00000235062	BCRP5	22	20697962	20698934	972	unprocessed_pseudogene	-1.93	3.48E-03	2.43E-02
ENSG00000234481	AC117945.1	1	36769812	36775768	5956	lncRNA-antisense	-1.93	6.38E-03	3.55E-02
ENSG00000278626	AC023310.4	15	20642799	20643448	649	lncRNA	-1.93	7.79E-03	4.04E-02
ENSG00000286493	AC069214.1	12	120904702	120907937	3235	lncRNA	-1.94	8.34E-03	4.23E-02
ENSG00000227438	AP001471.1	21	46093264	46097530	4266	lncRNA-antisense	-1.94	4.47E-04	6.61E-03
ENSG00000229636	KRT8P21	1	73104792	73106282	1490	processed_pseudogene	-1.94	5.26E-03	3.14E-02
ENSG00000237664	LINC00316	21	45338590	45341990	3400	lncRNA	-1.94	1.02E-02	4.80E-02
ENSG00000249584	LINC02225	5	57890327	57899162	8835	lncRNA	-1.94	2.66E-03	2.04E-02
ENSG00000129151	BBXO1	11	27040725	27127809	87084	protein coding	-1.94	2.67E-03	2.05E-02
ENSG00000254846	AL355075.1	14	20344233	20346888	2655	lncRNA-antisense	-1.94	6.84E-03	3.72E-02
ENSG00000223728	AC239801.1	1	147840962	147842359	1397	processed_pseudogene	-1.94	2.64E-03	2.03E-02
ENSG00000250328	MGC32805	5	122436497	122479087	42590	lncRNA-antisense	-1.94	9.19E-05	2.39E-03
ENSG00000228307	OR2S1P	9	35962195	36014623	52428	transcribed_unprocessed_pseudogene	-1.94	2.21E-03	1.82E-02
ENSG00000229988	HBBP1	11	5241105	5243537	2432	transcribed_unprocessed_pseudogene	-1.94	3.18E-03	2.28E-02
ENSG00000229606	LINC01718	20	61079049	61083750	4701	lncRNA	-1.94	2.78E-04	4.88E-03
ENSG00000261624	NDUF810P2	7	141351977	141352768	791	processed_pseudogene	-1.94	6.18E-03	3.48E-02
ENSG00000268473	AC092327.1	16	86434830	86435884	1054	processed_pseudogene	-1.94	1.68E-03	1.52E-02
ENSG00000230506	AL354824.1	20	10172522	10200824	28302	lncRNA	-1.94	4.57E-03	2.88E-02
ENSG00000285613	AC099482.2	16	23167577	23186395	18818	lncRNA	-1.94	2.31E-03	1.86E-02
ENSG00000232615	AC028412.2	5	1614836	1616334	1498	processed_pseudogene	-1.94	5.04E-04	7.14E-03
ENSG00000234967	AL357558.2	20	47950797	47954808	4011	lncRNA	-1.94	1.73E-04	3.58E-03
ENSG00000233002	TBC1D26-AS1	17	15735023	15749192	14169	lncRNA-antisense	-1.94	5.72E-05	1.70E-03
ENSG00000251352	AC122714.2	5	180671892	180672598	706	processed_pseudogene	-1.95	1.27E-03	1.28E-02
ENSG00000287829	AC002542.6	7	117091678	117097262	5584	lncRNA	-1.95	1.06E-02	4.91E-02
ENSG00000255353	ASS1P13	11	107176286	107177530	1244	processed_pseudogene	-1.95	2.70E-03	2.06E-02
ENSG00000254039	AC027801.4	17	49914403	49932918	18515	lncRNA	-1.95	7.29E-03	3.87E-02
ENSG00000285555	AC005293.1	12	2332861	2335702	2841	lncRNA-antisense	-1.95	1.59E-03	1.47E-02
ENSG00000232328	AC084030.1	2	236733289	236754363	21074	lncRNA	-1.95	8.47E-05	2.27E-03
ENSG00000163815	CLEC3B	3	45001548	45036071	34523	protein coding	-1.95	1.08E-03	1.15E-02
ENSG00000165076	PRSS37	7	141836300	141841487	5187	protein coding	-1.95	3.38E-04	5.57E-03
ENSG00000251011	TMEM108-AS1	3	133245603	133257207	11604	lncRNA-antisense	-1.95	8.38E-03	4.24E-02
ENSG00000236546	MYCL-AS1	1	39897745	39899098	1353	lncRNA-antisense	-1.95	9.12E-03	4.46E-02
ENSG00000257658	AC004217.2	12	112321759	112323089	1330	processed_pseudogene	-1.95	1.07E-02	4.95E-02
ENSG00000265000	MARCHF10-DT	17	62808500	62836371	27871	lncRNA	-1.95	2.13E-03	1.78E-02
ENSG00000250708	LINC02269	4	173699082	174001488	302406	lncRNA	-1.95	3.39E-04	5.58E-03
ENSG00000170369	CST2	20	23823769	23826729	2960	protein coding	-1.95	2.06E-03	1.74E-02
ENSG00000283342	NBPF13P	1	147099482	147124285	24803	unprocessed_pseudogene	-1.95	2.92E-05	1.08E-03
ENSG00000256944	AP003721.3	11	60913166	60914052	886	lncRNA-antisense	-1.95	5.88E-03	3.37E-02
ENSG00000215498	FAM230B	22	21167758	21192156	24398	lncRNA	-1.95	5.95E-07	6.67E-05
ENSG00000285666	AC006972.1	7	76818377	76903041	84664	lncRNA	-1.95	1.02E-02	4.81E-02
ENSG00000196109	ZNF676	19	22179089	22215801	36712	protein coding	-1.95	9.37E-05	2.41E-03
ENSG00000287560	AL731533.3	10	3042535	3047083	4548	lncRNA	-1.95	3.56E-03	2.46E-02
ENSG00000270279	AL132655.3	20	58754351	58756838	2487	lncRNA	-1.95	2.39E-03	1.90E-02
ENSG00000268941	LINC01711	20	58634772	58635738	966	lncRNA	-1.95	2.03E-03	1.72E-02
ENSG00000267259	ERVE-1	17	28232590	28235281	2691	lncRNA	-1.95	3.00E-04	5.13E-03
ENSG00000212724	KRTAP2-3	17	41059240	41060114	874	protein coding	-1.96	1.73E-03	1.55E-02
ENSG00000282943	AC004784.1	19	42977463	43171515	194052	lncRNA-antisense	-1.96	1.24E-03	1.26E-02
ENSG00000165197	VEGFD	X	15345596	15384413	38817	protein coding	-1.96	1.99E-03	1.71E-02
ENSG00000283039	KLF18	1	44137821	44141631	3810	protein coding	-1.96	4.41E-04	6.57E-03
ENSG00000280113	AL357140.3	1	9826289	9828271	1982	TEC	-1.96	2.30E-03	1.86E-02
ENSG00000230485	AC000077.1	22	19630750	19633574	2824	processed_pseudogene	-1.96	6.56E-04	8.50E-03
ENSG00000227555	MIR4290HG	9	90020654	90041499	20845	lncRNA	-1.96	3.43E-04	5.62E-03
ENSG00000188991	SLC15A5	12	16188485	16277685	89200	protein coding	-1.96	1.25E-03	1.26E-02
ENSG0000046774	MAGEC2	X	142202342	142205290	2948	protein coding	-1.96	1.95E-03	1.67E-02
ENSG00000215833	QRS1L1P1	1	168449672	168451211	1539	processed_pseudogene	-1.96	7.50E-03	3.94E-02
ENSG00000265514	LINC01892	18	5081171	5098780	17609	lncRNA	-1.96	1.84E-03	1.61E-02
ENSG00000287135	AC010884.1	2	104928803	104936467	7664	lncRNA	-1.96	4.16E-04	6.34E-03
ENSG00000177143	CETN1	18	580380	582114	1734	protein coding	-1.96	1.75E-03	1.56E-02
ENSG00000257700	AC055716.3	12	52692605	52696788	4183	lncRNA-antisense	-1.96	5.86E-03	3.36E-02
ENSG00000203472	AC009163.1	16	75475896	75495407	19511	lncRNA-antisense	-1.96	1.36E-03	1.34E-02
ENSG00000274766	BX027579.2	13	113883667	113887149	3482	lncRNA	-1.96	1.82E-03	1.60E-02
ENSG00000279752	AC011389.2	5	169012148	169013146	998	TEC	-1.96	9.29E-03	4.51E-02
ENSG00000187988	KCTD9P3	9	37477149	37478317	1168	processed_pseudogene	-1.97	1.89E-03	1.64E-02

ENSG00000287960	AC008567.3	19	9507820	9514539	6719	lncRNA	-1.97	1.28E-03	1.28E-02
ENSG00000122548	KIAA0087	7	26533121	26538788	5667	lncRNA	-1.97	6.94E-04	8.80E-03
ENSG00000258776	AL161757.4	14	56817570	56893710	76140	lncRNA	-1.97	1.45E-03	1.39E-02
ENSG00000286818	AC008496.3	5	79840797	79845239	4442	lncRNA	-1.97	6.59E-04	8.53E-03
ENSG00000186847	KRT14	17	41582279	41586895	4616	protein coding	-1.97	3.60E-05	1.24E-03
ENSG00000213921	LEUTX	19	39776595	39786291	9696	protein coding	-1.97	8.73E-03	4.34E-02
ENSG00000176256	HMG4	1	33860475	33864791	4316	protein coding	-1.97	8.61E-05	2.30E-03
ENSG00000236473	KRT43P	17	41448183	41454055	5872	unprocessed pseudogene	-1.97	2.23E-03	1.83E-02
ENSG00000225731	PDE9A-AS1	21	42733594	42741758	8164	lncRNA-antisense	-1.97	4.40E-03	2.82E-02
ENSG00000230533	AL356234.2	6	137657998	137763984	105986	lncRNA	-1.97	7.16E-04	8.91E-03
ENSG00000235660	LINC00345	13	52482804	52489216	6412	lncRNA	-1.97	2.83E-03	2.12E-02
ENSG00000226005	LINC02660	10	3911889	3935817	23928	lncRNA	-1.97	4.49E-03	2.85E-02
ENSG00000158516	CPA2	7	130266863	130289798	22935	protein coding	-1.97	2.34E-05	9.32E-04
ENSG00000238158	AL391422.3	6	3831933	3855737	23804	lncRNA-sense overlapping	-1.97	7.60E-03	3.98E-02
ENSG00000255092	AC010768.2	11	44606170	44608101	1931	lncRNA-antisense	-1.97	3.11E-04	5.26E-03
ENSG00000250659	AP001363.1	11	62537312	62542018	4706	lncRNA-antisense	-1.97	5.86E-03	3.37E-02
ENSG00000286240	AL034422.1	20	37338886	37344109	5223	lncRNA	-1.97	3.00E-03	2.21E-02
ENSG00000285855	Z72006.1	22	48403462	48415571	12109	lncRNA	-1.97	7.65E-06	4.25E-04
ENSG00000237121	PIEZO1P2	20	58740532	58783821	43289	unprocessed pseudogene	-1.97	8.98E-05	2.35E-03
ENSG00000230790	AC012456.2	2	11740997	11745301	4304	lncRNA-antisense	-1.97	2.93E-03	2.17E-02
ENSG00000235875	ARHGEF7-AS2	13	111113812	111115678	1866	lncRNA-antisense	-1.98	5.99E-03	3.41E-02
ENSG00000279391	AC116456.2	11	8075573	8077781	2208	TEC	-1.98	2.20E-03	1.81E-02
ENSG00000284666	Z98259.2	1	5480787	5482028	1241	lncRNA	-1.98	5.57E-03	3.25E-02
ENSG00000256424	LINC02414	12	131639396	131661823	22427	lncRNA	-1.98	4.20E-03	2.74E-02
ENSG00000225166	AC012462.1	2	215453688	215486639	32951	lncRNA	-1.98	4.39E-03	2.81E-02
ENSG00000235253	AC010240.2	5	132942932	132945050	2118	processed pseudogene	-1.98	5.10E-05	1.58E-03
ENSG00000230399	RBBP8P1	X	118632375	118634218	1843	processed pseudogene	-1.98	2.76E-03	2.09E-02
ENSG00000260880	HCCAT5	16	73092349	73099337	6988	lncRNA	-1.98	3.88E-04	6.09E-03
ENSG00000227841	MTND5P31	2	201556892	201558265	1373	unprocessed pseudogene	-1.98	4.94E-03	3.02E-02
ENSG00000203648	AC007618.1	12	2659937	2660969	1032	processed pseudogene	-1.98	9.56E-03	4.60E-02
ENSG00000271519	AL590065.1	X	35864858	35869631	4773	processed pseudogene	-1.98	2.19E-03	1.81E-02
ENSG00000225929	AC000036.1	22	50735825	50738139	2314	lncRNA-antisense	-1.98	8.72E-03	4.34E-02
ENSG00000287470	AP001037.1	21	38503562	38543336	39774	lncRNA	-1.98	5.88E-03	3.37E-02
ENSG00000265182	SRP72P1	18	49495147	49496896	1749	processed pseudogene	-1.98	7.27E-03	3.87E-02
ENSG00000213358	AC092933.1	3	196527339	196528791	1452	unprocessed pseudogene	-1.98	7.04E-04	8.84E-03
ENSG00000183671	GPR1	2	206175316	206218047	42731	protein coding	-1.98	7.25E-04	9.01E-03
ENSG00000287324	AL096828.6	20	63116218	63117205	987	lncRNA	-1.98	5.93E-03	3.39E-02
ENSG00000250295	RDH10-AS1	8	73297711	73356461	58750	lncRNA-antisense	-1.98	1.29E-03	1.29E-02
ENSG00000198759	EGFL6	X	13569601	13633575	63974	protein coding	-1.98	6.16E-06	3.66E-04
ENSG00000223419	AC006022.1	7	30742431	30742818	387	processed pseudogene	-1.98	5.50E-03	3.22E-02
ENSG00000286645	AC013287.1	2	25000147	25010274	10127	lncRNA	-1.98	6.04E-04	8.07E-03
ENSG00000225708	AL354984.2	20	58069054	58072070	3016	lncRNA	-1.98	4.26E-03	2.76E-02
ENSG00000260586	AC064799.2	15	71332120	71352460	20340	lncRNA-sense intronic	-1.98	2.13E-03	1.78E-02
ENSG00000267424	AC020934.1	19	12825711	12832983	7272	lncRNA-antisense	-1.98	2.62E-03	2.02E-02
ENSG00000261617	LINC02177	16	9355588	9408093	52505	lncRNA	-1.98	7.02E-05	1.98E-03
ENSG00000258866	AL390254.1	14	95047353	95050957	3604	lncRNA	-1.98	6.53E-03	3.60E-02
ENSG00000288605	AC007461.1	17	72033772	72220948	187176	lncRNA	-1.99	7.62E-03	3.98E-02
ENSG00000183559	C10orf120	10	122697709	122699846	2137	protein coding	-1.99	3.84E-03	2.59E-02
ENSG00000254256	RPSAP71	5	171365595	171367693	2098	processed pseudogene	-1.99	5.70E-03	3.30E-02
ENSG00000287687	AC007387.2	2	74723873	74778780	54907	lncRNA	-1.99	2.45E-03	1.93E-02
ENSG00000237623	NICN2P	X	47273366	47274390	1024	processed pseudogene	-1.99	6.87E-03	3.72E-02
ENSG00000255433	LINC02735	11	56848478	56878078	29600	lncRNA	-1.99	8.24E-03	4.19E-02
ENSG00000237614	AC073257.2	2	120542905	120545249	2344	lncRNA	-1.99	5.91E-04	7.96E-03
ENSG00000115598	IL1RL2	2	102187006	102240002	52996	protein coding	-1.99	2.07E-05	8.57E-04
ENSG00000226506	AC007463.1	2	7886767	7899725	12958	lncRNA	-1.99	4.75E-03	2.95E-02
ENSG00000255352	PPP1R10P1	11	130789231	130791025	1794	processed pseudogene	-1.99	2.59E-03	2.01E-02
ENSG00000231648	LINC01698	1	209367662	209380518	12856	lncRNA	-1.99	7.49E-04	9.18E-03
ENSG00000241278	ENPP7P4	3	125848223	125909372	61149	transcribed unprocessed pseudogene	-1.99	6.72E-03	3.67E-02
ENSG00000203855	HSD3BP4	1	119564066	119572067	8001	unprocessed pseudogene	-1.99	8.58E-03	4.29E-02
ENSG00000288021	AL450338.1	6	85949690	85998263	48573	lncRNA	-2.00	9.66E-03	4.63E-02
ENSG00000259757	AC091891.1	5	2736662	2737759	1097	lncRNA	-2.00	1.02E-02	4.79E-02
ENSG00000215808	LINC01139	1	238476542	238486060	9518	lncRNA	-2.00	5.60E-04	7.69E-03
ENSG00000229967	MAGEA4-AS1	X	151904431	151913968	9537	lncRNA-antisense	-2.00	9.31E-04	1.05E-02
ENSG00000116748	AMPD1	1	114673090	114695618	22528	protein coding	-2.00	3.50E-04	5.68E-03
ENSG00000171403	KRT9	17	41565836	41572059	6223	protein coding	-2.00	2.09E-04	4.03E-03
ENSG00000234724	HDAC1P1	10	94137748	94139500	1752	processed pseudogene	-2.00	2.61E-03	2.02E-02
ENSG00000227158	AC073621.1	7	17422681	17423704	1023	processed pseudogene	-2.00	6.20E-03	3.48E-02
ENSG00000189099	PRSS48	4	151277171	151291453	14282	protein coding	-2.00	2.30E-03	1.86E-02
ENSG00000270171	AL359881.3	1	7693124	7694944	1720	lncRNA	-2.00	2.67E-04	4.76E-03
ENSG00000231924	PSG1	19	42866464	42879822	13358	protein coding	-2.00	4.08E-04	6.29E-03
ENSG00000255057	AP003041.1	11	130008586	130009765	1179	processed pseudogene	-2.00	2.94E-03	2.18E-02
ENSG00000236474	GCNT1P1	20	18420160	18421454	1294	processed pseudogene	-2.00	8.55E-03	4.29E-02
ENSG00000203859	HSD3B2	1	119414931	119423035	8104	protein coding	-2.00	1.10E-03	1.17E-02
ENSG00000159527	PGLYRP3	1	153297862	153310718	12856	protein coding	-2.00	4.21E-04	6.39E-03
ENSG00000237223	SULT1C2P1	2	108322238	108353799	31561	transcribed unprocessed pseudogene	-2.00	5.22E-03	3.13E-02
ENSG00000264673	AC098850.1	17	16788248	16789234	986	lncRNA-antisense	-2.00	9.78E-03	4.68E-02
ENSG00000260209	AP000842.3	11	125873031	125874528	1497	lncRNA	-2.00	3.20E-03	2.30E-02
ENSG00000261514	LINC01976	17	43938363	43938959	586	lncRNA	-2.00	1.39E-03	1.35E-02
ENSG00000250501	AC093766.1	4	138773537	138803567	30030	lncRNA	-2.01	2.12E-04	4.07E-03
ENSG00000285016	AC017002.3	2	111429324	111699033	269709	lncRNA	-2.01	4.96E-03	3.03E-02
ENSG00000280220	AL157414.3	20	57161822	57163775	1953	TEC	-2.01	7.83E-04	9.45E-03
ENSG00000277526	AC245123.1	8	2562813	2623382	60569	lncRNA	-2.01	8.34E-05	2.25E-03
ENSG00000286801	BX546033.1	22	43507824	43513727	5903	lncRNA	-2.01	3.26E-04	5.44E-03
ENSG00000223602	AC125634.1	9	64878790	64889063	10273	unprocessed pseudogene	-2.01	9.59E-03	4.61E-02
ENSG00000268564	AC003956.1	19	15124160	15126174	2014	lncRNA-antisense	-2.01	5.23E-03	3.13E-02
ENSG00000269054	AC012313.6	19	58362583	58367593	5010	lncRNA-antisense	-2.01	4.35E-06	2.79E-04
ENSG00000253408	AC083973.1	8	42233674	42271266	37592	lncRNA-antisense	-2.01	2.07E-05	8.57E-04
ENSG00000232527	LINC02802	1	144227029	144250326	23297	lncRNA	-2.01	1.01E-02	4.77E-02
ENSG00000241832	CECR3	22	17256859	17266733	9874	lncRNA	-2.01	2.45E-03	1.93E-02
ENSG00000283072	AL158175.1	20	22684958	22746991	62033	lncRNA	-2.01	2.75E-05	1.04E-03

ENSG00000272874	AL034548.1	20	267186	268857	1671	lncRNA	-2.01	1.38E-03	1.34E-02
ENSG00000182854	OR4F15	15	101812202	101820197	7995	protein coding	-2.01	1.77E-03	1.57E-02
ENSG00000161652	IZUMO2	19	50152548	50163195	10647	protein coding	-2.01	2.05E-04	3.97E-03
ENSG00000286651	PRSS43P	3	46753045	46756857	3812	transcribed unitary pseudogene	-2.01	5.32E-03	3.16E-02
ENSG00000285648	AC137735.2	17	73926421	73949906	23485	lncRNA	-2.01	1.40E-03	1.36E-02
ENSG00000280380	AC009831.4	18	31982899	31986087	3188	TEC	-2.01	4.69E-04	6.83E-03
ENSG00000258907	PSMB3P1	12	55654558	55655168	610	processed pseudogene	-2.02	8.54E-03	4.28E-02
ENSG00000284632	AL354702.1	1	38754216	38815979	61763	lncRNA	-2.02	2.05E-04	3.97E-03
ENSG00000279652	Z82217.1	22	35992321	36000469	8148	lncRNA	-2.02	1.88E-05	8.09E-04
ENSG00000255282	WTAPP1	11	102746968	102836766	89798	transcribed processed pseudogene	-2.02	5.91E-05	1.74E-03
ENSG00000204479	PRAMEF17	1	13389632	13392629	2997	protein coding	-2.02	5.37E-04	7.48E-03
ENSG00000225233	AL592402.1	1	213492288	213579267	86979	lncRNA	-2.02	4.18E-03	2.73E-02
ENSG00000183566	BPIFA4P	20	33193585	33210462	16877	transcribed unprocessed pseudogene	-2.02	1.58E-04	3.37E-03
ENSG00000229345	AL392185.1	9	95599438	95606326	6888	lncRNA	-2.02	3.12E-03	2.26E-02
ENSG00000246820	RIC3-DT	11	8169167	8178903	9736	lncRNA	-2.02	9.27E-05	2.40E-03
ENSG00000101890	GUCY2F	X	109372906	109482066	109180	protein coding	-2.02	1.94E-05	8.28E-04
ENSG00000277957	SEN3-EIF4A1	17	7563287	7578715	15428	protein coding	-2.02	3.35E-03	2.37E-02
ENSG0000007908	SELE	1	169722640	169764705	42065	protein coding	-2.02	4.25E-04	6.42E-03
ENSG00000180383	DEFB124	20	31465506	31476757	11251	protein coding	-2.02	5.89E-03	3.37E-02
ENSG00000232743	ELF2P3	9	87816465	87817970	1505	processed pseudogene	-2.02	3.78E-03	2.57E-02
ENSG00000284516	VAMP9P	4	82284971	82340013	55042	transcribed unitary pseudogene	-2.02	9.72E-04	1.08E-02
ENSG00000254659	LINC02715	11	109741625	109823893	82268	lncRNA	-2.02	2.76E-03	2.10E-02
ENSG00000165935	SMCO2	12	27466810	27502185	35375	protein coding	-2.02	1.58E-03	1.46E-02
ENSG00000243978	RTL9	X	110358816	110456334	97518	protein coding	-2.03	3.56E-05	1.24E-03
ENSG00000267638	AC023855.1	17	44115912	44120595	4683	lncRNA-antisense	-2.03	2.30E-03	1.86E-02
ENSG00000227586	RPS26P39	10	123171535	123171875	340	processed pseudogene	-2.03	1.61E-05	7.21E-04
ENSG00000279006	AL022323.1	22	25048967	25051966	2999	lncRNA-antisense	-2.03	2.01E-05	8.47E-04
ENSG00000260488	AC007216.1	16	11976851	11977850	999	lncRNA-antisense	-2.03	3.41E-03	2.40E-02
ENSG00000198974	MIR30E	1	40754355	40754446	91	miRNA	-2.03	4.47E-03	2.85E-02
ENSG00000261637	LINC02127	16	51017544	51035784	18240	lncRNA	-2.03	5.25E-04	7.36E-03
ENSG00000260385	AL356961.1	13	112083549	112085471	1922	lncRNA	-2.03	1.08E-03	1.16E-02
ENSG00000285530	AL445928.2	1	100220488	100253414	32926	lncRNA-antisense	-2.03	5.26E-05	1.61E-03
ENSG00000159961	OR3A3	17	3411370	3424070	12700	protein coding	-2.03	1.31E-05	6.26E-04
ENSG00000261669	AC008731.1	16	24803451	24819739	16288	lncRNA-antisense	-2.03	3.13E-03	2.26E-02
ENSG00000253805	AC245164.1	8	2033508	2035587	2079	lncRNA	-2.03	2.74E-03	2.09E-02
ENSG00000229562	ZFYVE9P1	X	137660519	137662242	1723	processed pseudogene	-2.03	1.20E-03	1.24E-02
ENSG00000241219	AC078785.2	3	113050912	113063443	12531	lncRNA	-2.03	1.44E-03	1.38E-02
ENSG00000140465	CYP1A1	15	74719542	74725536	5994	protein coding	-2.03	5.45E-04	7.57E-03
ENSG00000237136	C4orf51	4	145680146	145771032	90886	protein coding	-2.03	4.86E-03	2.99E-02
ENSG00000288010	AL035587.3	6	42893761	42903072	9311	lncRNA	-2.03	7.36E-03	3.90E-02
ENSG00000286829	AC093798.1	2	24402995	24413292	10297	lncRNA	-2.03	7.36E-04	9.10E-03
ENSG00000285856	AL353704.1	13	111148196	111153171	4975	lncRNA-antisense	-2.03	1.50E-03	1.41E-02
ENSG00000238107	LINC02806	1	148295180	148297556	2376	lncRNA	-2.03	9.83E-03	4.69E-02
ENSG00000232166	AL122008.2	1	234284972	234285541	569	processed pseudogene	-2.03	4.89E-03	3.00E-02
ENSG00000228741	AL445985.1	13	23979810	24035027	55217	lncRNA	-2.03	5.23E-03	3.13E-02
ENSG00000242267	SKINT1L	1	48096092	48182428	86336	transcribed unprocessed pseudogene	-2.03	8.95E-05	2.35E-03
ENSG00000094661	OR11H	19	15082211	15092970	10759	protein coding	-2.03	7.45E-07	7.93E-05
ENSG00000180259	PRNT	20	4731279	4740668	9389	lncRNA	-2.04	2.55E-03	1.98E-02
ENSG00000205362	MT1A	16	56638666	56640087	1421	protein coding	-2.04	6.96E-03	3.76E-02
ENSG00000288070	AC016902.1	11	112822806	112835124	12318	lncRNA	-2.04	6.82E-03	3.71E-02
ENSG00000111700	SLCO1B3	12	20810702	20916911	106209	protein coding	-2.04	4.12E-03	2.71E-02
ENSG00000266586	AC091027.2	18	78908629	78918993	10364	lncRNA	-2.04	5.48E-03	3.21E-02
ENSG00000224404	Z68323.1	22	34191194	34210564	19370	lncRNA	-2.04	1.80E-05	7.85E-04
ENSG00000261465	AC099518.4	16	19062144	19067691	5547	lncRNA-antisense	-2.05	1.09E-04	3.79E-03
ENSG00000234726	AC245060.3	22	22228719	22230469	1750	processed pseudogene	-2.05	1.21E-03	1.24E-02
ENSG00000279786	AC105235.1	8	140820599	140822414	1815	TEC	-2.05	9.03E-04	1.03E-02
ENSG00000278898	AC087045.3	8	134764809	134767276	2467	TEC	-2.05	1.85E-03	1.62E-02
ENSG00000175664	TEX26	13	30932656	30975500	42844	protein coding	-2.05	1.54E-04	3.31E-03
ENSG00000282759	AC026950.2	8	891251	893112	1861	lncRNA	-2.05	1.27E-03	1.28E-02
ENSG00000251292	ERVH-1	4	23723262	23733579	10317	lncRNA	-2.05	1.41E-03	1.37E-02
ENSG00000188784	PLA2G2E	1	19920009	19923617	3608	protein coding	-2.05	3.30E-05	1.17E-03
ENSG00000267589	AC011444.4	19	6072823	6073527	704	processed pseudogene	-2.05	1.78E-04	3.65E-03
ENSG00000280268	AC025125.1	17	3439923	3441844	1921	TEC	-2.05	5.25E-03	3.14E-02
ENSG00000229913	AL360295.1	1	56823679	56826920	3241	lncRNA-antisense	-2.05	2.20E-03	1.81E-02
ENSG00000286501	AC018545.1	3	150339478	150343210	3732	lncRNA	-2.05	2.20E-04	4.16E-03
ENSG00000232913	PLCE1-AS2	10	94081950	94108814	26864	lncRNA-antisense	-2.05	3.72E-05	1.27E-03
ENSG00000279774	AL590483.3	1	244064330	244067909	3579	TEC	-2.05	2.25E-05	9.09E-04
ENSG00000287251	AP003062.2	11	134945118	134980574	35456	lncRNA	-2.05	1.50E-05	6.84E-04
ENSG00000235268	KDM4E	11	95025258	95027596	2338	protein coding	-2.05	3.75E-04	5.95E-03
ENSG00000276397	LINC01879	17	76686058	76693636	7578	lncRNA	-2.06	8.85E-04	1.02E-02
ENSG00000287422	AL442071.2	1	39226670	39238620	11950	lncRNA	-2.06	1.01E-03	1.11E-02
ENSG00000286448	AP066222.2	1	266855	268655	1800	lncRNA	-2.06	1.98E-03	1.70E-02
ENSG00000288006	AC137735.2	17	73912190	73931436	19246	lncRNA	-2.06	6.66E-04	8.57E-03
ENSG00000225877	PSG8-AS1	19	42821863	42826878	5015	lncRNA	-2.06	5.11E-04	7.19E-03
ENSG00000283459	AC009804.2	12	114894632	114898529	3897	lncRNA	-2.06	6.45E-04	8.43E-03
ENSG00000244094	SPRR2F	1	153112121	153113516	1395	protein coding	-2.06	6.81E-03	3.71E-02
ENSG00000264486	AC061975.4	17	28256438	28265551	9113	lncRNA	-2.06	2.15E-03	1.79E-02
ENSG00000172497	ACOT12	5	81329996	81394179	64183	protein coding	-2.06	4.19E-05	1.38E-03
ENSG00000253974	NRG1-IT1	8	32026210	32139495	113285	lncRNA-sense intronic	-2.06	5.38E-03	3.18E-02
ENSG00000135569	TAA85	6	132588673	132589686	1013	protein coding	-2.06	5.48E-03	3.22E-02
ENSG00000253298	LINC01845	5	159448556	159466291	17735	lncRNA	-2.06	1.82E-04	3.70E-03
ENSG00000255512	LINC02684	11	135061781	135075908	14127	lncRNA	-2.06	1.31E-04	2.99E-03
ENSG00000228717	AF013593.1	X	151226229	151227715	1486	processed pseudogene	-2.06	4.86E-03	2.99E-02
ENSG00000112214	FHL5	6	96562548	96616636	54088	protein coding	-2.06	2.64E-03	2.03E-02
ENSG00000274443	C8orf89	8	73241329	73259502	18173	protein coding	-2.07	7.06E-03	3.79E-02
ENSG00000237417	XRCC6P1	10	93206857	93209627	2770	processed pseudogene	-2.07	5.07E-05	1.58E-03
ENSG00000229275	BX284656.1	22	48141542	48143229	1687	lncRNA	-2.07	1.99E-04	3.90E-03
ENSG00000254966	AC103974.1	11	18706537	18740568	34031	lncRNA-antisense	-2.07	1.86E-04	3.74E-03
ENSG00000267133	AC011518.1	19	32103154	32106544	3390	lncRNA	-2.07	4.21E-04	4.17E-03
ENSG00000285842	AP000820.2	11	95571040	95748715	177675	lncRNA	-2.07	1.02E-03	1.11E-02

ENSG00000216560	LINC00955	4	3576869	3590711	13842	lncRNA	-2.07	1.26E-05	6.10E-04
ENSG00000248684	BIN2P2	5	75910565	75911867	1302	processed_pseudogene	-2.07	8.06E-04	9.61E-03
ENSG00000287906	AC127526.5	11	3475280	3477065	1785	lncRNA	-2.07	7.25E-04	9.01E-03
ENSG00000226625	RBM17P1	9	39154075	39155479	1404	processed_pseudogene	-2.07	2.61E-03	2.02E-02
ENSG00000227463	AL390838.1	9	84059298	84098984	39686	lncRNA	-2.07	3.65E-05	1.26E-03
ENSG00000278703	AC100847.1	18	57588611	57589091	480	lncRNA	-2.07	2.48E-03	1.94E-02
ENSG00000285347	AL359555.4	20	38260175	38293892	33717	lncRNA-antisense	-2.07	1.09E-04	2.67E-03
ENSG00000250247	SEPHS2P1	5	14960232	14961393	1161	processed_pseudogene	-2.07	7.38E-04	9.11E-03
ENSG00000197487	GALP	19	56176008	56185775	9767	protein coding	-2.07	8.42E-04	9.87E-03
ENSG00000270929	SRD5A3P1	11	59898185	59899133	948	processed_pseudogene	-2.07	5.46E-03	3.21E-02
ENSG00000286036	AC017099.2	2	97618638	97638417	19779	lncRNA	-2.07	1.47E-04	3.22E-03
ENSG00000287661	AL391844.1	1	48552991	48558106	5115	lncRNA	-2.07	4.12E-03	2.71E-02
ENSG00000258233	ARHGAP42P5	14	18623852	18626787	2935	processed_pseudogene	-2.08	1.48E-03	1.41E-02
ENSG00000287652	AC000082.1	22	19520572	19522769	2197	lncRNA	-2.08	4.24E-04	6.41E-03
ENSG00000165584	SSX3	X	48346427	48356707	10280	protein coding	-2.08	1.43E-03	1.38E-02
ENSG00000268318	LINC01872	19	51271266	51281234	9968	lncRNA	-2.08	5.76E-03	3.33E-02
ENSG00000280025	AL008638.6	22	27102766	27107019	4253	lncRNA	-2.08	1.85E-06	1.52E-04
ENSG00000186160	CYP4Z1	1	47067231	47118318	51087	protein coding	-2.08	2.29E-04	4.29E-03
ENSG00000270818	AL445675.1	1	242882066	242883475	1409	processed_pseudogene	-2.08	6.44E-03	3.57E-02
ENSG00000237268	AC092447.7	7	56421857	56448375	26518	transcribed_unprocessed_pseudogen	-2.08	6.89E-04	8.76E-03
ENSG00000107295	SH3GL2	9	17579066	17797124	218058	protein coding	-2.08	2.03E-05	8.52E-04
ENSG00000253141	AC008632.1	5	173463484	173484584	21100	lncRNA	-2.08	3.45E-04	5.64E-03
ENSG00000255335	LINC02729	11	17695266	17696994	1728	lncRNA-antisense	-2.08	3.00E-04	5.14E-03
ENSG00000287563	AP006219.3	18	10406558	10422360	15802	lncRNA	-2.08	9.44E-04	1.06E-02
ENSG00000253547	TUBA7P	11	63046785	63048126	1341	processed_pseudogene	-2.08	5.08E-03	3.07E-02
ENSG00000280236	OR12D2	6	29395631	29398008	2377	protein coding	-2.08	1.05E-03	1.14E-02
ENSG00000268053	AC007785.2	19	46111079	46113863	2784	processed_pseudogene	-2.08	2.34E-03	1.88E-02
ENSG00000286400	AC110926.1	2	127141976	127143793	1817	lncRNA	-2.09	2.57E-03	2.00E-02
ENSG00000215834	FM09P	1	166603916	166631400	27484	transcribed_unprocessed_pseudogen	-2.09	8.49E-04	9.93E-03
ENSG00000285819	AC131180.1	2	131191641	131209211	17570	lncRNA	-2.09	4.66E-03	2.92E-02
ENSG00000287280	AC009878.2	15	26403480	26477840	74360	lncRNA	-2.09	6.10E-03	3.45E-02
ENSG00000276172	ELMO2P1	15	23083094	23121324	38230	transcribed_unprocessed_pseudogen	-2.09	9.01E-04	1.03E-02
ENSG00000254350	AC091979.1	5	158424585	158452758	28173	lncRNA	-2.09	5.30E-03	3.15E-02
ENSG00000286979	AC005234.2	2	70629657	70648761	19104	lncRNA	-2.09	3.28E-03	2.34E-02
ENSG00000275989	AL442128.1	13	110945478	110971603	26125	transcribed_unprocessed_pseudogen	-2.09	4.61E-04	6.77E-03
ENSG00000235525	FTLP1	20	45975249	45976075	826	processed_pseudogene	-2.09	2.72E-03	2.07E-02
ENSG00000285640	AP01999.2	11	134685044	134702004	16960	lncRNA	-2.09	2.02E-03	3.94E-03
ENSG00000256915	AC090023.2	12	65622273	65663299	41026	lncRNA	-2.09	3.98E-04	2.66E-02
ENSG00000229863	AC097358.1	3	57134142	57134723	581	processed_pseudogene	-2.09	4.09E-03	2.69E-02
ENSG00000221878	PSG7	19	42924132	42937207	13075	protein coding	-2.09	2.02E-04	3.94E-03
ENSG00000248903	AP000867.1	11	71568680	71568934	254	processed_pseudogene	-2.10	4.21E-03	2.74E-02
ENSG00000164399	IL3	5	132060655	132063204	2549	protein coding	-2.10	8.37E-04	9.83E-03
ENSG00000229221	HNRNPA1P6	2	63751697	63752630	933	processed_pseudogene	-2.10	4.52E-03	2.87E-02
ENSG00000221932	HEPN1	11	124919244	124920677	1433	protein coding	-2.10	2.25E-03	1.83E-02
ENSG00000286659	Z99716.2	22	42070949	42071488	539	lncRNA	-2.10	6.55E-04	8.50E-03
ENSG00000260459	FTLP14	16	68822587	68823070	483	processed_pseudogene	-2.10	4.59E-04	6.75E-03
ENSG00000251211	AC136632.2	5	178165702	178166562	860	processed_pseudogene	-2.10	6.42E-04	8.40E-03
ENSG00000219891	ZSCAN12P1	6	28091154	28093664	2510	transcribed_unprocessed_pseudogen	-2.10	1.16E-04	2.77E-03
ENSG00000222784	RN7SKP91	1	30843823	30844110	287	misc RNA	-2.10	4.68E-03	2.92E-02
ENSG00000283758	PMIS2	19	35586161	35587296	1135	protein coding	-2.10	4.13E-03	2.71E-02
ENSG00000287144	AC097511.1	4	137943022	138051288	108266	lncRNA	-2.10	3.52E-03	2.45E-02
ENSG00000205359	SLCO06A1	5	102371774	102499016	127242	protein coding	-2.10	3.91E-05	1.31E-03
ENSG00000285734	AC005414.1	12	2440189	2457392	17203	lncRNA-antisense	-2.11	2.02E-04	3.94E-03
ENSG00000172377	OR9H1	11	58116742	58125530	8788	protein coding	-2.11	2.25E-03	1.83E-02
ENSG00000203408	OR6C71P	12	55376742	55378797	2055	transcribed_unprocessed_pseudogen	-2.11	5.62E-03	3.27E-02
ENSG00000165583	SSX5	X	48186220	48198763	10543	protein coding	-2.11	1.20E-03	1.24E-02
ENSG00000267052	AC005050.1	7	106569876	106598908	29032	lncRNA	-2.11	7.24E-04	9.00E-03
ENSG00000236257	EL24P2	1	158454198	158455273	1075	processed_pseudogene	-2.11	1.21E-03	1.24E-02
ENSG00000131050	BP1FA2	20	33161768	33181412	19644	protein coding	-2.11	5.21E-05	1.60E-03
ENSG00000258692	SALL4P7	14	60493766	60496885	3119	transcribed_processed_pseudogene	-2.11	9.27E-04	1.05E-02
ENSG00000286658	AC005153.1	7	50641725	50643868	2143	lncRNA	-2.11	9.07E-04	1.03E-02
ENSG00000231163	C5MD2-AS1	1	33868953	33893726	24773	lncRNA-antisense	-2.11	1.84E-05	8.00E-04
ENSG00000155918	RAET1L	6	150018334	150025532	7198	protein coding	-2.11	4.60E-04	6.75E-03
ENSG00000224294	PINCR	X	43176994	43226598	49604	lncRNA	-2.11	4.66E-03	2.92E-02
ENSG00000234423	LINC01250	2	2895048	3126026	230978	lncRNA	-2.11	5.50E-06	3.35E-04
ENSG00000288172	AL356419.1	10	117579854	117593896	14042	lncRNA	-2.11	2.46E-03	1.93E-02
ENSG00000234634	LINC02093	17	13299184	13306771	7587	lncRNA	-2.12	3.94E-03	2.64E-02
ENSG00000230342	FANCD2P2	3	11859674	11891172	31498	unprocessed_pseudogene	-2.12	4.91E-04	7.03E-03
ENSG00000266466	AC233702.7	17	21532974	21542786	9812	lncRNA-antisense	-2.12	4.71E-03	2.94E-02
ENSG00000240708	LINC02030	3	55226862	55300738	73876	lncRNA	-2.12	1.48E-03	1.40E-02
ENSG00000236497	LINC01744	1	232727251	232751299	24048	lncRNA	-2.12	1.58E-03	1.46E-02
ENSG00000216915	GPR89P	6	27737000	27738494	1494	processed_pseudogene	-2.12	2.40E-03	1.91E-02
ENSG00000233670	PIRT	17	10822470	10838087	15617	protein coding	-2.12	2.65E-05	1.01E-03
ENSG00000274178	PRAMEF28P	1	13029339	13032130	2791	unprocessed_pseudogene	-2.12	4.22E-03	2.75E-02
ENSG00000211641	IJLV11-55	22	22201663	22202161	498	IG V gene	-2.12	5.16E-03	3.11E-02
ENSG00000260351	AC024270.1	15	83022571	83090782	68211	lncRNA-antisense	-2.12	3.95E-04	6.15E-03
ENSG00000245975	AC090515.2	15	58768072	58770974	2902	lncRNA	-2.12	1.80E-04	3.66E-03
ENSG00000213979	RPL7AP14	20	37444733	37445534	801	processed_pseudogene	-2.12	6.73E-04	8.64E-03
ENSG00000155622	XAGE2	X	52369021	52375680	6659	protein coding	-2.12	3.88E-03	2.61E-02
ENSG00000169154	GOT1L1	8	37934281	37940124	5843	protein coding	-2.12	2.57E-03	2.00E-02
ENSG00000146678	IGFBP1	7	45888360	45893660	5300	protein coding	-2.12	1.92E-04	3.82E-03
ENSG00000235645	LINC02651	10	69684899	69692452	7553	lncRNA	-2.12	6.19E-03	3.48E-02
ENSG00000272108	AC244517.1	5	141118680	141120765	2085	lncRNA	-2.12	5.76E-03	3.33E-02
ENSG00000170820	FSHR	2	48962157	49154527	192370	protein coding	-2.13	1.08E-04	2.66E-03
ENSG00000231565	NEK2P2	22	15611759	15613096	1337	processed_pseudogene	-2.13	4.33E-03	2.79E-02
ENSG00000287904	AL138708.1	13	31838752	31846539	7787	lncRNA	-2.13	3.41E-03	2.40E-02
ENSG00000260230	FRRS1L	9	109130293	109167249	36956	protein coding	-2.13	4.62E-09	1.38E-06
ENSG00000286770	AC100825.1	15	68483202	68487149	3947	lncRNA	-2.13	2.90E-04	5.01E-03
ENSG00000221826	PSG3	19	42721638	42740481	18843	protein coding	-2.13	2.80E-04	4.90E-03
ENSG00000257958	AC008125.1	12	115077325	115080153	2828	lncRNA	-2.13	4.93E-04	7.05E-03

ENSG00000261097	LINC00563	13	46296445	46297844	1399	lncRNA	-2.13	6.93E-06	3.98E-04
ENSG00000235115	CHCHD2P8	13	28107431	28107877	446	processed_pseudogene	-2.13	5.30E-03	3.15E-02
ENSG00000214249	CTAGE11P	13	75237944	75240296	2352	processed_pseudogene	-2.13	8.66E-04	1.00E-02
ENSG00000184210	DGAT2L6	X	70177483	70205704	28221	protein_coding	-2.13	2.70E-03	2.07E-02
ENSG00000196734	LCE1B	1	152811971	152813108	1137	protein_coding	-2.13	1.37E-03	1.34E-02
ENSG00000250406	AC109811.1	4	144851572	144874787	23215	lncRNA	-2.13	8.18E-04	9.69E-03
ENSG00000225815	AC092669.1	2	66327349	66328984	1635	lncRNA	-2.13	3.50E-03	2.44E-02
ENSG00000237672	KRR1P1	13	20070250	20072136	1886	processed_pseudogene	-2.13	4.07E-03	2.69E-02
ENSG00000286146	FP236383.9	21	8420675	8421003	328	TEC	-2.13	5.77E-05	1.71E-03
ENSG00000288002	AC091912.3	5	8207019	8366437	159418	lncRNA	-2.14	1.02E-03	1.11E-02
ENSG00000226431	AL121929.1	10	103549075	103550964	1889	lncRNA-sense intronic	-2.14	1.65E-03	1.50E-02
ENSG00000171433	GLOD5	X	48761747	48773648	11901	protein_coding	-2.14	1.14E-04	2.73E-03
ENSG00000213959	AL035419.1	20	38614913	38615476	563	processed_pseudogene	-2.14	7.38E-04	9.11E-03
ENSG00000279151	AL021920.1	1	16701546	16705594	4048	lncRNA	-2.14	3.22E-03	2.31E-02
ENSG00000253557	AC100849.1	8	19084992	19259469	174477	lncRNA	-2.14	3.77E-04	5.88E-03
ENSG00000108688	CCL7	17	34270221	34272242	2021	protein_coding	-2.14	6.27E-03	3.51E-02
ENSG00000286425	AL773573.1	21	41007244	41037362	30118	lncRNA	-2.14	5.17E-04	7.25E-03
ENSG00000280038	DNM1P41	15	84166547	84169896	3349	TEC	-2.14	1.26E-03	1.27E-02
ENSG00000285945	AC242022.2	1	2768091	2784733	16642	lncRNA	-2.14	4.83E-03	2.98E-02
ENSG00000213480	AC093816.1	4	121369433	121370345	912	processed_pseudogene	-2.14	4.68E-03	2.93E-02
ENSG00000265844	AC100863.1	18	77180106	77235430	55324	lncRNA	-2.14	1.51E-03	1.42E-02
ENSG00000287724	AC096536.3	1	54874672	54883664	8992	lncRNA	-2.14	3.69E-04	5.89E-03
ENSG00000182916	TCEAL7	X	103330229	103332326	2097	protein_coding	-2.14	6.27E-03	3.51E-02
ENSG00000214825	EI24P3	3	44524744	44525805	1061	processed_pseudogene	-2.14	4.52E-03	2.87E-02
ENSG00000223829	AC004870.2	7	46969644	47027481	57837	lncRNA	-2.14	1.36E-03	1.34E-02
ENSG00000241984	RPL7AP2	14	39156742	39157852	1110	processed_pseudogene	-2.14	4.15E-03	2.72E-02
ENSG00000254529	MRGPRX7P	11	18863558	18864509	951	unprocessed_pseudogene	-2.15	8.57E-04	9.97E-03
ENSG00000236121	HAUS6P2	20	31341371	31344471	3100	processed_pseudogene	-2.15	5.57E-04	7.67E-03
ENSG00000167916	KRT24	17	40697991	40703752	5761	protein_coding	-2.15	5.42E-05	1.64E-03
ENSG00000233995	AP000547.1	22	16572027	16574637	2610	unprocessed_pseudogene	-2.16	3.86E-03	2.60E-02
ENSG00000182898	TCHHL1	1	152084141	152089064	4923	protein_coding	-2.16	4.62E-05	1.48E-03
ENSG00000238040	SALL4P2	X	129871309	129877567	6258	processed_pseudogene	-2.16	9.80E-04	1.09E-02
ENSG00000243832	LINC02000	3	134055256	134057648	2392	lncRNA	-2.16	3.62E-03	2.49E-02
ENSG00000188860	KRTAP17-1	17	41314912	41315710	798	protein_coding	-2.16	8.27E-04	9.76E-03
ENSG00000206145	PZRXP6	22	21035243	21045017	9774	transcribed_unprocessed_pseudogene	-2.16	3.42E-04	5.61E-03
ENSG00000260750	AC092720.1	16	87595131	87600337	5206	lncRNA	-2.16	4.01E-05	1.33E-03
ENSG00000259542	AC087477.5	15	96393146	96405189	12043	lncRNA	-2.16	2.08E-03	1.75E-02
ENSG00000280114	AL021920.2	1	16681097	16688749	7652	unprocessed_pseudogene	-2.16	3.93E-04	6.13E-03
ENSG00000204776	IGKV1OR-3	9	65770955	65771434	479	IG_V_pseudogene	-2.16	2.03E-03	1.72E-02
ENSG00000184650	ODF4	17	8339840	8346048	6208	protein_coding	-2.16	1.17E-03	1.22E-02
ENSG00000257848	AC074029.1	12	48171590	48173353	1763	processed_pseudogene	-2.16	1.72E-03	1.54E-02
ENSG00000231461	HLA-DPA2	6	33091753	33097295	5542	unprocessed_pseudogene	-2.16	2.04E-03	1.73E-02
ENSG00000224054	AL022163.1	X	44466691	44468955	2284	processed_pseudogene	-2.16	3.92E-03	2.63E-02
ENSG00000232624	LINC01517	10	28743506	28941910	198404	lncRNA	-2.17	6.29E-09	1.70E-06
ENSG00000120289	MAGEB4	X	30242000	30244187	2187	protein_coding	-2.17	1.80E-03	1.58E-02
ENSG00000231957	GNAI2P2	10	78068623	78069538	915	processed_pseudogene	-2.17	8.65E-04	1.00E-02
ENSG00000223587	LINC01986	3	11745	24849	13104	lncRNA	-2.17	3.45E-04	5.64E-03
ENSG00000238169	LINC01053	13	25168969	25190643	21674	lncRNA-antisense	-2.17	1.24E-03	1.26E-02
ENSG00000258516	AL133167.1	14	95828763	95866486	37723	lncRNA	-2.17	2.01E-03	1.71E-02
ENSG00000244705	AC020658.1	15	40312352	40313289	937	processed_pseudogene	-2.17	3.80E-04	6.01E-03
ENSG00000286752	AC022509.5	12	26139249	26167741	28492	lncRNA	-2.18	1.86E-03	1.62E-02
ENSG00000179363	TMEM31	X	103710909	103714032	3123	protein_coding	-2.18	7.87E-04	9.48E-03
ENSG00000274340	AC032011.1	15	62387327	62388875	1548	lncRNA	-2.18	1.93E-04	3.82E-03
ENSG00000203189	AC008267.2	7	66427949	66453634	25685	transcribed_unprocessed_pseudogene	-2.18	9.83E-07	9.49E-05
ENSG00000234984	FMO10P	1	166665885	166682196	16311	unprocessed_pseudogene	-2.18	2.91E-03	2.16E-02
ENSG00000176754	LINC00303	1	204032447	204041265	8818	lncRNA	-2.18	1.84E-05	7.98E-04
ENSG00000241104	CEACAMP10	19	43211791	43248646	36855	transcribed_processed_pseudogene	-2.18	3.45E-04	5.63E-03
ENSG00000269931	AL078623.1	20	12934877	12937097	2220	lncRNA	-2.18	3.40E-03	2.40E-02
ENSG00000228528	AC068057.1	2	104702650	104705813	3163	lncRNA	-2.18	5.32E-04	7.43E-03
ENSG00000233157	Z97055.1	22	43759199	43759910	711	processed_pseudogene	-2.18	2.34E-03	1.88E-02
ENSG00000286630	AL133240.2	14	92294771	92297648	2877	lncRNA	-2.18	5.44E-03	3.20E-02
ENSG00000230304	CICP6	3	198223497	198226310	2813	processed_pseudogene	-2.18	5.76E-03	3.33E-02
ENSG00000122145	TBX22	X	80014753	80031774	17021	protein_coding	-2.18	4.70E-04	6.84E-03
ENSG00000226083	SLC39A12-AS1	10	18001786	18010562	8776	lncRNA-antisense	-2.18	6.66E-04	8.57E-03
ENSG00000278505	C17orf78	17	37375985	37392708	16723	protein_coding	-2.18	5.61E-04	7.69E-03
ENSG00000197595	ATP11AUN	13	112647044	112684497	37453	lncRNA	-2.18	4.93E-06	3.09E-04
ENSG00000245059	AC092718.1	16	81077319	81078861	1542	lncRNA	-2.19	1.28E-04	2.95E-03
ENSG00000244921	MTCYBP1	5	134923303	134924049	746	processed_pseudogene	-2.19	4.79E-04	6.93E-03
ENSG00000260141	AC145350.2	16	33043609	33095431	51822	lncRNA	-2.19	2.33E-04	4.33E-03
ENSG00000262497	FAM187B2P	19	35232291	35233003	712	unprocessed_pseudogene	-2.19	1.47E-03	1.40E-02
ENSG00000251205	AC018598.2	5	143531331	143598434	67103	lncRNA	-2.19	1.32E-04	3.01E-03
ENSG00000204754	LINC01951	5	174919082	174995513	76431	lncRNA	-2.19	1.01E-03	1.11E-02
ENSG00000288108	AC126768.3	5	1931058	1933985	2927	lncRNA	-2.19	2.64E-03	2.03E-02
ENSG00000286059	AC005538.3	2	233977872	233980018	2146	lncRNA-antisense	-2.20	2.96E-03	2.19E-02
ENSG00000250819	LINC02493	4	17171757	17186079	14322	lncRNA	-2.20	5.59E-04	7.68E-03
ENSG00000161594	KLHL10	17	41835685	41848384	12699	protein_coding	-2.20	1.29E-05	6.19E-04
ENSG00000235838	HSP90AB7P	10	9721963	9724416	2453	processed_pseudogene	-2.20	3.07E-04	5.20E-03
ENSG00000225129	AL035250.1	20	59352195	59357774	5579	lncRNA	-2.20	1.33E-03	1.31E-02
ENSG00000258883	NBEAP4	15	21250180	21260147	9967	unprocessed_pseudogene	-2.20	3.26E-03	2.33E-02
ENSG00000227412	SBK33P1	9	85492579	85494094	1515	processed_pseudogene	-2.21	2.19E-03	1.81E-02
ENSG00000287307	AC005772.2	17	15062087	15104517	42430	lncRNA	-2.21	5.64E-06	3.41E-04
ENSG00000253116	AC027698.1	8	58091442	58106294	14852	lncRNA	-2.21	7.89E-04	9.49E-03
ENSG00000265927	AC125421.2	17	73831572	73836019	4447	lncRNA	-2.21	6.65E-04	8.57E-03
ENSG00000231382	NBPF21P	3	36616006	36637457	21451	unprocessed_pseudogene	-2.21	4.93E-04	7.05E-03
ENSG00000281386	AP003500.1	11	129591493	129612110	20617	lncRNA	-2.21	3.22E-03	2.31E-02
ENSG00000279848	AL008638.4	22	27044001	27045315	1314	lncRNA	-2.21	2.58E-03	2.00E-02
ENSG00000235038	AL445193.2	1	58060139	58080274	20135	lncRNA	-2.22	9.09E-04	1.04E-02
ENSG00000226921	LINC00454	13	113878489	113883651	5162	lncRNA	-2.22	3.89E-06	2.57E-04
ENSG00000274064	AC040978.1	8	140039756	140041037	1281	processed_pseudogene	-2.22	4.39E-04	6.49E-03
ENSG00000223572	CKMT1A	15	43692886	43699222	6336	protein_coding	-2.22	4.38E-03	2.81E-02

ENSG00000277718	LINC02255	15	74379083	74390535	11452	lncRNA	-2.22	1.69E-03	1.52E-02
ENSG00000276409	CCL14	17	35983288	35987004	3716	protein coding	-2.22	1.24E-03	1.26E-02
ENSG00000242272	AK2P2	2	31823413	31823817	404	processed pseudogene	-2.23	9.22E-05	2.39E-03
ENSG00000218027	AL512329.1	6	1513698	1515289	1591	processed pseudogene	-2.23	2.24E-04	4.21E-03
ENSG00000225807	AC069281.1	7	100509416	100520205	10789	lncRNA	-2.23	2.44E-03	1.93E-02
ENSG00000157965	SSX8P	X	52622935	52633948	11013	transcribed unprocessed pseudogene	-2.23	1.65E-04	3.47E-03
ENSG00000272975	MYHAS	17	10383144	10623886	240742	lncRNA-antisense	-2.24	1.90E-04	3.79E-03
ENSG00000254237	AC021242.2	8	9367898	9436205	68307	lncRNA	-2.24	1.49E-05	6.81E-04
ENSG00000204481	PRAMEF14	1	13341892	13347134	5242	protein coding	-2.24	1.59E-04	3.38E-03
ENSG00000282863	AC012560.1	10	78179174	78675109	495935	lncRNA	-2.24	1.37E-03	1.34E-02
ENSG00000231137	RBM22P5	9	76286494	76288081	1587	processed pseudogene	-2.24	7.14E-04	8.91E-03
ENSG00000271676	AC104771.1	4	77112495	77113458	963	processed pseudogene	-2.24	2.33E-03	1.87E-02
ENSG00000255808	PDE2A-AS1	11	72643237	72659407	16170	lncRNA-antisense	-2.24	1.14E-04	2.75E-03
ENSG00000231381	RNF2P1	9	6668999	6670008	1009	processed pseudogene	-2.24	1.01E-03	1.11E-02
ENSG00000231201	AF12757.2	21	14971470	14992854	21384	lncRNA-antisense	-2.24	1.10E-03	1.17E-02
ENSG00000238120	LINC01589	22	45604432	45605621	1189	lncRNA-antisense	-2.24	3.52E-03	2.45E-02
ENSG00000137709	POU2F3	11	120236640	120319945	83305	protein coding	-2.24	6.22E-09	1.70E-06
ENSG00000224570	AC097063.1	1	65576129	65578380	2251	processed pseudogene	-2.24	3.79E-03	2.57E-02
ENSG00000175772	LINC01106	2	110375138	110384442	9304	lncRNA	-2.24	8.80E-05	2.32E-03
ENSG00000261068	AL512274.1	6	42092233	42094259	2026	lncRNA	-2.25	2.35E-03	1.88E-02
ENSG00000272642	AP03121.1	11	127188885	127223449	34564	lncRNA	-2.25	2.07E-03	1.74E-02
ENSG00000237595	LINC01275	20	50162765	50166216	3451	lncRNA	-2.25	8.99E-05	2.35E-03
ENSG00000230375	GSTA1P	6	52847910	52870329	22419	unprocessed pseudogene	-2.25	2.76E-04	4.86E-03
ENSG00000213424	KRT22	17	40654665	40665181	10516	protein coding	-2.26	7.83E-04	9.45E-03
ENSG00000255146	AP04247.2	11	58044110	58060138	16028	lncRNA	-2.26	1.91E-03	1.66E-02
ENSG00000285754	AC008170.1	2	34134371	34220575	86204	lncRNA	-2.26	6.83E-04	8.72E-03
ENSG00000233492	AL133325.2	20	21530122	21535665	5543	lncRNA	-2.26	7.94E-04	9.52E-03
ENSG00000230937	MIR205HG	1	209428817	209432838	4021	lncRNA	-2.26	7.76E-06	4.29E-04
ENSG00000287381	AC012433.2	18	50647315	50651212	3897	lncRNA	-2.26	1.33E-03	1.31E-02
ENSG00000232196	MTRNR2L4	16	3370979	3372668	1689	protein coding	-2.26	6.45E-04	8.42E-03
ENSG00000279747	AC130456.6	16	19503861	19504625	769	TEC	-2.27	1.80E-03	1.58E-02
ENSG00000227496	AC099066.2	1	225700264	225752258	51994	lncRNA	-2.27	3.09E-06	2.20E-04
ENSG00000228539	AL157413.1	20	24491472	24502345	10873	lncRNA-antisense	-2.27	7.25E-05	2.03E-03
ENSG00000232423	PRAMEF6	1	12938472	12947580	9108	protein coding	-2.27	4.16E-04	6.34E-03
ENSG00000203870	SMIM9	X	154823348	154834662	11314	protein coding	-2.28	7.18E-04	8.94E-03
ENSG00000281852	LINC00891	X	71697196	71706455	9259	lncRNA	-2.28	1.07E-03	1.15E-02
ENSG00000166396	SERPINB7	18	63752935	63805376	52441	protein coding	-2.28	9.41E-06	4.92E-04
ENSG00000259111	AL079307.2	14	51750560	51763114	12554	lncRNA	-2.28	1.58E-03	1.46E-02
ENSG00000285861	AC028991.2	8	3409133	3426587	17454	lncRNA-antisense	-2.28	1.72E-03	1.54E-02
ENSG00000111701	APOBEC1	12	7649400	7665908	16508	protein coding	-2.28	9.30E-04	1.05E-02
ENSG00000279604	AC092723.2	16	86035627	86036419	792	TEC	-2.28	2.34E-03	1.88E-02
ENSG00000286668	AL391730.2	1	40939294	40945524	6230	lncRNA	-2.28	1.11E-03	1.18E-02
ENSG00000241818	SCG5-AS1	15	32656084	32673065	16981	lncRNA-antisense	-2.28	2.01E-03	1.71E-02
ENSG00000268101	CYP2G2P	19	41050449	41062444	11995	unprocessed pseudogene	-2.28	1.67E-04	3.49E-03
ENSG00000235494	AL590705.2	9	97222602	97235017	12415	lncRNA	-2.29	3.97E-04	6.16E-03
ENSG00000204709	LINC01556	6	28943877	28944537	660	lncRNA	-2.29	1.30E-03	1.29E-02
ENSG00000189398	OR7E12P	11	3390780	3391752	972	unprocessed pseudogene	-2.29	1.05E-04	2.60E-03
ENSG00000278480	ZBTB2P1	1	15226373	15227549	1176	processed pseudogene	-2.29	1.10E-03	1.17E-02
ENSG00000286092	AC117503.5	12	123713408	123723169	9761	lncRNA-antisense	-2.29	1.57E-03	1.46E-02
ENSG00000285603	AL035893.1	6	2227803	2230261	2458	lncRNA-antisense	-2.29	1.22E-03	1.25E-02
ENSG00000124900	TRIM51	11	55883297	55891810	8513	protein coding	-2.29	1.64E-03	1.50E-02
ENSG00000214102	WEE2	7	141708353	141731271	22918	protein coding	-2.29	8.76E-06	4.64E-04
ENSG00000262953	E1F4A1P9	17	2586330	2587866	1536	processed pseudogene	-2.29	3.13E-05	1.13E-03
ENSG00000174156	GSTA3	6	52896639	52909698	13059	protein coding	-2.29	3.89E-04	6.09E-03
ENSG00000287972	AC073648.7	4	9078949	9092530	15581	lncRNA	-2.29	1.23E-04	2.88E-03
ENSG00000105141	CASP14	19	15049480	15058293	8813	protein coding	-2.29	8.95E-05	2.35E-03
ENSG00000285593	AC055872.2	17	6373833	6375080	1247	lncRNA	-2.29	2.93E-03	2.17E-02
ENSG00000223492	AL391097.1	20	53168643	53179550	10907	lncRNA-antisense	-2.29	4.79E-04	6.93E-03
ENSG00000242515	UGT1A10	2	233636454	233773305	136851	protein coding	-2.30	2.00E-03	1.71E-02
ENSG00000266114	AC015908.4	17	10792059	10794985	2926	lncRNA	-2.30	5.57E-04	7.67E-03
ENSG00000258390	LINC02318	14	95573520	95582305	8785	lncRNA	-2.30	3.10E-05	1.12E-03
ENSG00000261302	AC106779.1	16	56708450	56730010	21560	lncRNA-antisense	-2.30	1.98E-05	8.38E-04
ENSG00000255394	C8orf49	8	11761256	11763223	1967	lncRNA	-2.30	9.82E-04	1.09E-02
ENSG00000253556	MTCO1P4	8	103088796	103090671	1875	processed pseudogene	-2.31	1.44E-03	1.38E-02
ENSG00000229145	ACTBP1	X	46288016	46289128	1112	processed pseudogene	-2.31	3.16E-05	1.14E-03
ENSG00000248717	LINC02222	5	180684766	180686546	1780	lncRNA	-2.31	2.12E-03	1.77E-02
ENSG00000237899	AL031289.1	1	40669089	40687588	18499	lncRNA	-2.31	1.45E-03	1.39E-02
ENSG00000260832	AC125793.1	16	82953230	82990298	37068	lncRNA-antisense	-2.31	1.31E-03	1.30E-02
ENSG00000286911	AC095333.3	12	9347028	9350947	3919	lncRNA	-2.31	1.21E-03	1.24E-02
ENSG00000259093	AL137191.1	14	63122888	63178190	55302	lncRNA	-2.31	1.21E-03	1.24E-02
ENSG00000000005	TNMD	X	100584936	100599885	14949	protein coding	-2.32	2.50E-03	1.95E-02
ENSG00000163209	SPRR3	1	153001747	153003856	2109	protein coding	-2.32	5.60E-05	1.68E-03
ENSG00000232596	LINC01646	1	4571481	4594016	22535	lncRNA	-2.32	1.57E-06	1.35E-04
ENSG00000249497	LINC02075	17	49457861	49461749	3888	lncRNA	-2.32	8.86E-04	1.02E-02
ENSG00000250025	AC011396.2	5	146307098	146376963	69865	lncRNA-antisense	-2.32	2.34E-03	1.88E-02
ENSG00000214970	AC005323.1	17	10579040	10623036	43996	lncRNA-antisense	-2.32	1.05E-03	1.14E-02
ENSG00000288069	AF064866.1	21	40736318	40754888	18570	lncRNA	-2.32	7.77E-04	9.41E-03
ENSG00000255128	HSPD1P3	8	7418991	7420546	1555	processed pseudogene	-2.33	5.96E-04	8.01E-03
ENSG00000149507	OOSP2	11	60040409	60048044	7635	protein coding	-2.33	2.54E-04	4.59E-03
ENSG00000282975	LINC02034	3	127537937	127540485	2548	lncRNA	-2.33	3.90E-04	6.11E-03
ENSG00000229607	AL137027.1	1	30810378	30815553	5175	lncRNA	-2.33	2.19E-03	1.81E-02
ENSG00000253966	AC008514.2	5	170896929	170904461	7532	processed pseudogene	-2.33	8.33E-04	9.80E-03
ENSG00000249509	NEUROG2-AS1	4	112515385	112546881	31496	lncRNA-antisense	-2.33	2.82E-04	4.92E-03
ENSG00000274261	AC137078.2	20	48406777	48410716	3939	lncRNA	-2.34	6.94E-04	8.80E-03
ENSG00000187223	LCE2D	1	152663380	152664659	1279	protein coding	-2.34	1.69E-05	7.47E-04
ENSG00000255277	ABCC6P2	16	14820792	14824702	3910	transcribed unprocessed pseudogene	-2.34	1.17E-03	1.22E-02
ENSG00000261595	AL603832.2	1	112715672	112717796	2124	lncRNA-antisense	-2.34	1.58E-04	3.36E-03
ENSG00000254290	AC124067.4	8	37597480	37599858	2378	lncRNA	-2.34	1.55E-06	1.34E-04
ENSG00000173389	IQCF1	3	51894876	51903353	8477	protein coding	-2.34	1.13E-03	1.19E-02
ENSG00000136834	OR1J1	9	122476958	122477926	968	protein coding	-2.35	7.06E-04	8.86E-03

ENSG00000212961	HNRNPA1P40	11	74354443	74355720	1277	processed_pseudogene	-2.35	4.49E-04	6.64E-03
ENSG00000140527	WDR93	15	89690811	89743638	52827	protein_coding	-2.35	3.77E-07	4.57E-05
ENSG00000204193	TXNDC8	9	110303476	110337884	34408	protein_coding	-2.35	9.33E-05	2.41E-03
ENSG00000235295	LINC01634	22	18029385	18037968	8583	lncRNA	-2.35	4.04E-05	1.34E-03
ENSG00000224781	EIF4A2P4	X	52832704	52833899	1195	processed_pseudogene	-2.36	3.60E-04	5.79E-03
ENSG00000230423	AL672310.1	6	170615515	170738536	123021	lncRNA	-2.36	3.65E-06	2.47E-04
ENSG00000237402	CAMTA1-IT1	1	7368942	7370270	1328	lncRNA-sense_intronic	-2.36	2.96E-04	5.09E-03
ENSG00000259306	AC020891.2	15	51315841	51321996	6155	lncRNA	-2.36	8.89E-04	1.02E-02
ENSG00000275585	AC241377.2	1	120985692	121052167	66475	transcribed_unprocessed_pseudogene	-2.36	7.65E-05	2.11E-03
ENSG00000237613	FAM138A	1	34554	36081	1527	lncRNA	-2.36	1.83E-04	3.71E-03
ENSG00000238215	AL513185.3	10	72643011	72644650	1639	processed_pseudogene	-2.36	8.56E-04	9.96E-03
ENSG00000257316	ASS1P14	12	32985838	32987070	1232	processed_pseudogene	-2.36	7.14E-04	8.91E-03
ENSG00000268483	RPL7AP69	19	57065334	57066139	805	processed_pseudogene	-2.37	2.16E-03	1.79E-02
ENSG00000261741	FRG2KP	16	31563082	31567716	4634	transcribed_unprocessed_pseudogene	-2.37	6.81E-04	8.70E-03
ENSG00000233427	AL009181.1	1	28870483	28877336	6853	lncRNA-antisense	-2.37	1.65E-04	3.48E-03
ENSG00000206129	AC006305.1	18	56003613	56191262	187649	lncRNA	-2.37	1.76E-05	7.73E-04
ENSG00000259478	AC024651.1	15	97982509	97991142	8633	lncRNA	-2.38	1.78E-03	1.58E-02
ENSG00000261104	AC093904.4	2	9106593	9109865	3272	lncRNA	-2.38	5.63E-06	3.41E-04
ENSG00000284739	BX005132.1	1	4963954	4973298	9344	lncRNA	-2.38	9.55E-04	1.07E-02
ENSG00000253130	AC114550.1	8	8561386	8574038	12652	lncRNA	-2.38	4.72E-05	1.50E-03
ENSG00000124260	MAGEA10	X	152133310	152138578	5268	protein_coding	-2.38	2.02E-04	3.94E-03
ENSG00000237194	SNAI1P1	2	209808804	209809580	776	processed_pseudogene	-2.39	2.59E-04	4.65E-03
ENSG00000180483	DEFB119	20	31377164	31390590	13426	protein_coding	-2.39	8.53E-04	9.93E-03
ENSG00000236335	AL161638.2	1	30409560	30411638	2078	lncRNA	-2.39	1.02E-03	1.11E-02
ENSG00000236545	AP001619.2	21	41870633	41872054	1421	lncRNA-antisense	-2.40	1.20E-03	1.24E-02
ENSG00000226812	AL117382.1 (R3HDM1-AS1)	20	44347552	44355185	7633	lncRNA-antisense	-2.40	6.05E-04	8.07E-03
ENSG00000255250	AP003059.2	11	86727355	86765467	38112	lncRNA	-2.40	5.67E-04	7.75E-03
ENSG00000179172	HNRNPCL1	1	12847377	12848720	1343	protein_coding	-2.40	5.10E-04	7.18E-03
ENSG00000152595	MEPE	4	87821411	87846817	25406	protein_coding	-2.41	8.92E-04	1.02E-02
ENSG00000286498	AL132982.1	6	161353679	161355350	1671	lncRNA	-2.41	7.84E-04	9.46E-03
ENSG00000258553	AL157911.1	14	59969116	60091783	122667	lncRNA-antisense	-2.41	9.45E-05	2.43E-03
ENSG00000286250	AL161945.1	20	52840936	52843775	2839	lncRNA	-2.42	1.42E-03	1.37E-02
ENSG00000184029	DSCR4	21	37951425	38121360	169935	lncRNA	-2.42	1.17E-04	2.78E-03
ENSG00000258433	AC087633.1	15	95034108	95047108	13000	lncRNA	-2.42	1.88E-03	1.64E-02
ENSG00000267927	AC010320.1	19	52171158	52177002	5844	lncRNA-antisense	-2.42	5.68E-06	3.43E-04
ENSG00000285615	AL359508.1	10	129372194	129380753	8559	lncRNA	-2.42	3.37E-04	5.57E-03
ENSG00000274328	AC007551.2	7	35847038	35847426	388	processed_pseudogene	-2.42	2.98E-04	5.10E-03
ENSG00000187545	PRAMEF1	1	12892896	12898270	5374	protein_coding	-2.42	1.02E-04	2.55E-03
ENSG00000227599	PTPRT-AS1	20	42968743	42971492	2749	lncRNA-antisense	-2.42	5.47E-04	7.58E-03
ENSG00000278593	AC104394.1	2	234743542	234745606	2064	unprocessed_pseudogene	-2.43	5.81E-04	7.87E-03
ENSG00000286052	AL109955.1	20	57442742	57458298	15556	lncRNA	-2.43	4.75E-05	1.51E-03
ENSG00000261250	AL160286.3 (XDNND1-AS1)	1	179543201	179548922	5721	lncRNA-antisense	-2.43	1.56E-04	3.35E-03
ENSG00000196859	KRT39	17	40958417	40966948	8531	protein_coding	-2.43	1.67E-03	1.51E-02
ENSG00000284748	AL513220.1	1	37596126	37607336	11210	lncRNA-bidirectional_promoter	-2.43	1.04E-04	2.59E-03
ENSG00000287171	AC006062.1	X	8487165	8504564	17399	lncRNA	-2.43	1.82E-05	7.94E-04
ENSG00000282012	AP000357.2	22	24691122	24696003	4881	lncRNA	-2.43	1.01E-03	1.11E-02
ENSG00000256377	AC009509.1	12	27696388	27710803	14415	lncRNA-antisense	-2.44	4.97E-06	3.10E-04
ENSG00000220248	ZNF402P	22	16857619	16860718	3099	processed_pseudogene	-2.44	7.24E-05	2.03E-03
ENSG00000225198	SXXP3	X	48156367	48166350	9983	unprocessed_pseudogene	-2.44	7.46E-04	9.16E-03
ENSG00000271232	CARS1P1	15	68749501	68750691	1190	processed_pseudogene	-2.44	8.67E-04	1.01E-02
ENSG00000286842	AL353752.2	9	87436215	87445795	9580	lncRNA	-2.44	2.19E-04	4.16E-03
ENSG00000248545	AC105290.1	4	25529177	25619468	90291	lncRNA	-2.45	9.44E-04	1.06E-02
ENSG00000180016	OR1E1	17	3397104	33984110	1306	protein_coding	-2.45	4.64E-04	6.78E-03
ENSG00000250894	PRAMEF31P	1	13245863	13248652	2789	unprocessed_pseudogene	-2.45	3.85E-06	2.42E-04
ENSG00000225315	AL591178.1	1	24040835	24086799	45964	lncRNA-antisense	-2.45	1.00E-04	2.53E-03
ENSG00000269526	ERVV-1	19	53013921	53016122	2201	protein_coding	-2.45	1.12E-03	1.18E-02
ENSG00000231253	LINC01640	22	33104330	33145861	41531	lncRNA	-2.45	1.20E-04	2.84E-03
ENSG00000159516	SPRR2G	1	153149582	153150890	1308	protein_coding	-2.46	4.80E-04	6.93E-03
ENSG00000188984	AADACL3	1	12716110	12728760	12650	protein_coding	-2.46	8.86E-07	8.84E-05
ENSG00000230525	LINC01799	2	66904436	66971462	67026	lncRNA	-2.46	6.11E-04	8.12E-03
ENSG00000227527	AC096540.1	1	42335386	42338376	2990	lncRNA-sense_overlapping	-2.46	3.50E-04	5.68E-03
ENSG00000262558	AC129507.3	17	354737	356882	2145	lncRNA-antisense	-2.46	2.84E-04	4.94E-03
ENSG00000270474	IGHV3-29	14	106356145	106356591	446	IG_V_pseudogene	-2.46	3.87E-04	6.08E-03
ENSG00000283473	FAM240A	3	46612435	46628543	14108	protein_coding	-2.46	1.46E-03	1.39E-02
ENSG00000287443	AL357588.3	20	47974137	47977584	3447	lncRNA	-2.47	1.36E-04	3.07E-03
ENSG00000287173	AL356157.3	10	44509708	44515421	5713	lncRNA	-2.48	1.23E-03	1.26E-02
ENSG00000256847	CCND2P1	11	63243085	63244004	919	processed_pseudogene	-2.48	6.33E-04	8.32E-03
ENSG00000232628	AC092809.2	1	224208741	224213625	4884	lncRNA-sense_intronic	-2.48	1.94E-05	8.28E-04
ENSG00000154198	CYP4Z2P	1	46843095	46900437	57342	transcribed_unprocessed_pseudogene	-2.48	6.57E-05	1.87E-03
ENSG00000236495	AL158168.1	10	14652689	14661691	9002	lncRNA-antisense	-2.48	5.07E-05	1.58E-03
ENSG00000260756	AC131649.1	16	10351440	10352752	1312	lncRNA	-2.49	1.18E-04	2.79E-03
ENSG00000203825	AC239859.1	1	143541768	143572834	31066	unprocessed_pseudogene	-2.49	7.79E-07	8.12E-05
ENSG00000287349	AC108477.2	4	183725830	183732570	6740	lncRNA	-2.50	5.89E-04	7.94E-03
ENSG00000227838	AL121885.2	22	27676559	27714970	38411	lncRNA	-2.51	4.03E-04	6.24E-03
ENSG00000258354	AC138932.1	16	14909887	14911345	1458	lncRNA	-2.51	1.31E-03	1.30E-02
ENSG00000279142	AC009108.4	16	86595189	86597639	2450	TEC	-2.52	3.81E-05	1.29E-03
ENSG00000260990	Z94057.1 (TNR-AS1)	1	175307218	175335459	28241	lncRNA-antisense	-2.52	4.30E-04	6.47E-03
ENSG00000239345	HNRNPA1P26	X	100855288	100856379	1091	processed_pseudogene	-2.52	4.90E-04	7.02E-03
ENSG00000286324	AL033381.3	6	1111367	1114329	2962	lncRNA	-2.53	2.67E-05	1.02E-03
ENSG00000260239	LINC02533	6	4488798	4495769	6971	lncRNA	-2.53	7.09E-05	1.99E-03
ENSG00000255420	CASC23	11	8011278	8016520	5242	lncRNA-antisense	-2.53	2.43E-04	4.46E-03
ENSG00000223716	AL135785.1	9	38360427	38376430	16003	lncRNA	-2.53	3.75E-04	5.95E-03
ENSG00000258783	KRT18P6	14	35511825	35513089	1264	processed_pseudogene	-2.55	4.41E-04	6.56E-03
ENSG00000282882	AC027045.2	17	9764186	9805100	40914	lncRNA	-2.55	3.64E-05	1.26E-03
ENSG00000234575	CTSLP8	9	87844154	87847314	3160	unprocessed_pseudogene	-2.56	3.21E-05	1.15E-03
ENSG00000206072	SERPINB11	18	63647579	63726432	78853	protein_coding	-2.56	8.35E-06	4.49E-04
ENSG00000225328	LINC01594	2	108167125	108217886	50761	lncRNA-antisense	-2.57	2.81E-04	4.91E-03
ENSG00000241563	CORT	1	10450031	10451998	1967	protein_coding	-2.59	6.42E-04	8.40E-03
ENSG00000230978	LINC00160	21	34723807	34737204	13397	lncRNA	-2.59	1.79E-04	3.66E-03
ENSG00000258942	AL358332.1	14	51344914	51385603	40689	lncRNA	-2.59	3.92E-04	6.12E-03

ENSG00000287435	AC069404.1	2	73305941	73307890	1949	lncRNA	-2.59	1.85E-04	3.73E-03
ENSG00000262962	KARS1P3	16	68002432	68004952	2520	unprocessed_pseudogene	-2.59	1.33E-04	3.02E-03
ENSG00000279251	AC015726.3	17	19855747	19856164	417	TEC	-2.59	4.70E-04	6.84E-03
ENSG00000286594	AL133493.2	21	45607386	45609194	1808	lncRNA	-2.60	1.87E-04	3.75E-03
ENSG0000036473	OTC	X	38352586	38421446	68860	protein_coding	-2.60	3.01E-05	1.10E-03
ENSG00000231235	CTNBL1P1	X	46418450	46420079	1629	processed_pseudogene	-2.60	2.03E-04	3.95E-03
ENSG00000259732	AC092757.2	15	59121034	59133250	12216	lncRNA-sense overlapping	-2.61	5.05E-04	7.14E-03
ENSG00000261524	ABC810P3	15	28402868	28405033	2165	processed_pseudogene	-2.62	2.69E-04	4.78E-03
ENSG00000236173	AL049612.1	6	169809318	169811012	784	lncRNA	-2.62	1.43E-04	3.16E-03
ENSG00000131482	G6PC	17	42900797	42914438	13641	protein_coding	-2.64	8.08E-07	8.33E-05
ENSG00000229853	AL034418.1	20	47630266	47631438	1172	processed_pseudogene	-2.66	9.07E-05	2.36E-03
ENSG00000203783	PRR9	1	153217584	153219310	1726	protein_coding	-2.67	2.74E-05	1.04E-03
ENSG00000237746	ZNF101P1	10	28338554	28340942	2388	processed_pseudogene	-2.67	1.40E-04	3.12E-03
ENSG00000284670	AC092128.1	16	73940639	73941781	1142	translated_processed_pseudogene	-2.68	1.24E-04	2.89E-03
ENSG00000288023	AL157936.1	9	94725871	94726575	704	lncRNA	-2.68	1.25E-04	2.90E-03
ENSG00000250591	PRSS3P1	7	142760415	142763943	3528	unprocessed_pseudogene	-2.68	3.11E-05	1.13E-03
ENSG00000287082	AP001042.3	21	38857539	38858861	1322	lncRNA	-2.68	2.00E-04	3.92E-03
ENSG00000287197	AC096675.1	1	204822664	204829274	6610	lncRNA	-2.73	9.87E-06	5.07E-04
ENSG00000260311	AC138907.1	16	32663925	32666533	2608	lncRNA	-2.73	1.11E-05	5.59E-04
ENSG00000229292	RFPL4AL1	19	55769118	55773420	4302	protein_coding	-2.73	9.27E-05	2.40E-03
ENSG00000288024	AC005301.2	22	16725072	16747761	22689	lncRNA	-2.73	8.62E-05	2.30E-03
ENSG00000188655	RNASE9	14	20556093	20560931	4838	protein_coding	-2.74	1.57E-04	3.36E-03
ENSG00000215520	RPS4XP4	1	20525989	20526751	762	processed_pseudogene	-2.75	2.64E-04	4.72E-03
ENSG00000253968	AC016573.1	5	173383941	173451591	67650	lncRNA	-2.75	7.35E-06	4.16E-04
ENSG00000235594	AL139824.2	20	56267872	56269231	1359	processed_pseudogene	-2.79	4.59E-05	1.47E-03
ENSG00000287668	AL132990.1	14	94545310	94547782	2452	lncRNA	-2.80	1.79E-06	1.48E-04
ENSG00000230051	AL020994.2	22	27331634	27379265	47631	lncRNA	-2.80	3.29E-08	6.54E-06
ENSG00000276702	AC010809.3	15	33850538	33851178	640	lncRNA-antisense	-2.80	7.79E-05	2.14E-03
ENSG00000189196	LINC00994	3	64078361	64087363	9002	lncRNA	-2.81	3.18E-06	2.26E-04
ENSG00000125888	BANF2	20	17693672	17735871	42199	protein_coding	-2.83	1.12E-06	1.05E-04
ENSG00000179636	TPPP2	14	21024109	21036276	12167	protein_coding	-2.84	2.93E-06	2.12E-04
ENSG00000142789	CELA3A	1	22001657	22012542	10885	protein_coding	-2.87	1.12E-05	5.61E-04
ENSG00000275894	AL021578.1	20	45345115	45345823	708	lncRNA-sense intronic	-2.87	4.56E-06	2.91E-04
ENSG00000287703	AC099565.1	1	34640157	34685732	45575	lncRNA	-2.90	1.51E-05	6.85E-04
ENSG00000248257	PSG10P	19	42839368	42855718	16350	transcribed_unprocessed_pseudogene	-2.90	1.64E-06	1.41E-04
ENSG00000273851	AC027088.4	15	69022230	69024176	1946	transcribed_processed_pseudogene	-2.90	4.78E-05	1.51E-03
ENSG00000266667	AC005703.3	17	15379864	15417878	38014	lncRNA	-2.92	1.04E-06	9.95E-05
ENSG00000284710	Z98257.2	1	20272018	20275005	2987	lncRNA	-2.95	1.83E-06	1.51E-04
ENSG00000255313	AC100858.1	8	124936328	124943765	7437	lncRNA	-3.01	1.39E-05	6.51E-04
ENSG00000229028	KRT223P	17	40717235	40721932	4697	transcribed_unprocessed_pseudogene	-3.02	2.10E-06	1.69E-04
ENSG00000204978	ERICH4	19	41443156	41444765	1609	protein_coding	-3.02	1.34E-05	6.33E-04
ENSG00000180068	OR3A4P	17	3309986	3311446	1460	transcribed_unprocessed_pseudogene	-3.08	9.09E-06	4.79E-04
ENSG00000287107	AL136102.1	20	48120269	48136844	16575	lncRNA	-3.12	2.24E-06	1.75E-04
ENSG00000258684	BMS1P16	15	21160305	21167357	7052	unprocessed_pseudogene	-3.29	1.30E-06	1.17E-04
ENSG00000267354	AC091151.2	18	45507202	45550183	42981	lncRNA-sense intronic	-3.31	9.53E-09	2.36E-06
ENSG00000229571	PRAMEF25	1	13068677	13077884	9207	protein_coding	-3.46	7.70E-07	8.10E-05
ENSG00000249818	AC097375.2	4	151904932	151928710	23778	lncRNA	-3.56	4.88E-10	1.87E-07

Supplemental Table 3. Differentially expressed transcripts from the whole blood RNA-seq analysis of the anti-Ro positive SjD cases compared to healthy controls (SjD^{Ro+} analysis).

ENSEMBL_GENE_ID	Gene Name	Chr	Chr_Start position	Chr_end_ position	Gene Length	gene_biotype	SjD ^{Ro+} vs. HC		
							Log2FC	pval	padj
ENSG00000165949	IFI27	14	94104836	94116698	11862	protein coding	3.36	1.46E-07	2.39E-05
ENSG00000134321	RSAD2	2	8865806	8898239	32433	protein coding	2.95	6.52E-12	7.82E-09
ENSG00000137959	IFI44L	1	78619922	78646145	26223	protein coding	2.72	1.42E-09	4.98E-07
ENSG00000137965	IFI44	1	78649796	78664078	14282	protein coding	2.50	1.56E-10	8.30E-08
ENSG00000185745	IFIT1	10	89392546	89406487	13941	protein coding	2.49	2.05E-10	1.02E-07
ENSG00000111331	OAS3	12	112938444	1.13E+08	34807	protein coding	2.31	8.75E-12	9.85E-09
ENSG00000187608	ISG15	1	1001138	1014540	13402	protein coding	2.30	3.25E-10	1.47E-07
ENSG00000160932	LY6E	8	143017982	1.43E+08	5850	protein coding	2.28	8.65E-12	9.85E-09
ENSG00000279296	PRAL	17	6772831	6776116	3285	TEC	2.16	1.57E-11	1.48E-08
ENSG00000133106	EPST11	13	42886388	42992271	105883	protein coding	2.15	5.15E-11	3.75E-08
ENSG00000119917	IFIT3	10	89327997	89340971	12974	protein coding	2.15	3.35E-12	4.98E-09
ENSG00000143546	S100A8	1	153390032	1.53E+08	1041	protein coding	2.13	6.34E-09	1.75E-06
ENSG00000134326	CMPPK2	2	6840570	6866635	26065	protein coding	2.10	5.53E-10	2.27E-07
ENSG00000228318	AP001610.2 (MX1-AS1)	21	41441056	41445708	4652	lncRNA-antisense	2.07	1.88E-08	4.36E-06
ENSG00000149131	SERPING1	11	57597387	57619171	21784	protein coding	2.06	2.46E-12	4.18E-09
ENSG00000089127	OAS1	12	112906783	1.13E+08	26439	protein coding	2.04	4.14E-12	5.69E-09
ENSG00000126709	IFI6	1	27666064	27672198	6134	protein coding	2.03	7.07E-11	4.61E-08
ENSG00000138646	HERC5	4	88457119	88506163	49044	protein coding	2.03	1.40E-10	7.88E-08
ENSG00000239719	AC004890.1	7	149191043	1.49E+08	180	processed pseudogene	1.94	4.22E-05	2.05E-03
ENSG00000184979	USP18	22	18150170	18177397	27227	protein coding	1.92	5.65E-07	7.24E-05
ENSG00000238015	AC104837.2	1	78666272	78666695	423	processed pseudogene	1.89	5.71E-03	4.51E-02
ENSG00000157601	MX1	21	41420304	41459214	38910	protein coding	1.89	3.57E-09	1.07E-06
ENSG00000111335	OAS2	12	112978395	1.13E+08	33328	protein coding	1.86	3.69E-12	5.27E-09
ENSG00000257452	AC004551.1 (OAS123-AS1)	12	112907628	1.13E+08	110123	lncRNA-antisense	1.83	2.78E-06	2.61E-04
ENSG00000204397	CARD16	11	105041326	1.05E+08	60105	protein coding	1.82	1.23E-15	1.43E-11
ENSG00000244158	CALHM6-AS1	6	116460739	1.16E+08	2953	lncRNA-antisense	1.80	1.01E-06	1.13E-04
ENSG00000256393	RPL41P5	12	93083598	93083675	77	processed pseudogene	1.79	1.60E-05	9.93E-04
ENSG00000225964	NRIR	2	6819463	6840464	21001	lncRNA-antisense	1.78	4.60E-07	6.10E-05
ENSG00000168062	BATF2	11	64987945	64997018	9073	protein coding	1.76	9.45E-10	3.51E-07
ENSG00000142089	IFITM3	11	319676	327537	7861	protein coding	1.74	1.03E-09	3.74E-07
ENSG00000140379	BCL2A1	15	79960892	79971196	10304	protein coding	1.72	1.81E-10	9.22E-08
ENSG00000237568	AC099063.1 (GBP5-AS1)	1	89260582	89269754	9172	lncRNA-antisense	1.72	1.60E-07	2.54E-05
ENSG00000135114	OASL	12	121019111	1.21E+08	20131	protein coding	1.70	1.46E-10	7.96E-08
ENSG00000254224	AP003465.1 (UQRB-AS1)	8	96235427	96239149	3722	lncRNA-antisense	1.70	8.69E-05	3.39E-03
ENSG00000121552	CSTA	3	122325248	1.22E+08	16721	protein coding	1.70	4.95E-11	3.68E-08
ENSG00000244398	AC116533.1	11	16974693	16975013	320	processed pseudogene	1.68	1.31E-05	8.60E-04
ENSG00000132530	XAF1	17	6755447	6775647	20200	protein coding	1.67	1.78E-10	9.19E-08
ENSG00000225492	GBP1P1	1	89407679	89426243	18564	inscribed unprocessed pseudogene	1.67	3.06E-06	2.81E-04
ENSG00000088827	SIGLEC1	20	3686970	3707128	20158	protein coding	1.67	2.36E-07	3.57E-05
ENSG00000078081	LAMP3	3	183122215	1.83E+08	41624	protein coding	1.66	1.38E-09	4.88E-07
ENSG00000235828	RPL36AP26	7	15701435	15701752	317	processed pseudogene	1.65	4.43E-03	3.89E-02
ENSG00000258666	AL157871.4	14	100333790	1E+08	20271	lncRNA-antisense	1.64	5.54E-08	1.08E-05
ENSG00000110079	MS4A4A	11	60185702	60317944	132242	protein coding	1.63	7.00E-10	2.74E-07
ENSG00000237748	UQCRRB1	X	56737242	56737577	335	processed pseudogene	1.62	2.37E-04	6.40E-03
ENSG00000136514	RTP4	3	187368385	1.87E+08	3691	protein coding	1.62	4.02E-10	1.76E-07
ENSG00000162840	MT2P1	4	68376323	68376505	182	processed pseudogene	1.61	5.23E-06	4.32E-04
ENSG00000169385	RNA52	14	20955487	20956436	949	protein coding	1.60	2.88E-08	6.22E-06
ENSG00000119922	IFIT2	10	89283694	89309271	25577	protein coding	1.59	6.71E-11	4.53E-08
ENSG00000224094	RPS24P8	3	45159774	45160175	401	processed pseudogene	1.58	1.10E-04	3.94E-03
ENSG00000163221	S100A12	1	153373711	1.53E+08	1910	protein coding	1.57	2.84E-06	2.65E-04
ENSG00000249532	MIR302CHG (LARP7-AS1)	4	112646476	1.13E+08	3575	lncRNA-antisense	1.57	1.13E-05	7.70E-04
ENSG00000227008	AL009174.1	X	133670971	1.34E+08	415	processed pseudogene	1.56	1.37E-06	1.46E-04
ENSG00000196141	SPATS2L	2	200305881	2E+08	176383	protein coding	1.56	6.47E-09	1.75E-06
ENSG00000123689	G0S2	1	209675412	2.1E+08	978	protein coding	1.56	1.43E-07	2.37E-05
ENSG00000118298	CA14	1	150257251	1.5E+08	7827	protein coding	1.55	1.70E-04	5.18E-03
ENSG00000240247	DEFA1B	8	6996766	6999195	2429	protein coding	1.55	7.14E-04	1.31E-02
ENSG00000230837	RPL31P2	20	33752167	33752543	376	processed pseudogene	1.54	6.35E-04	1.21E-02
ENSG00000119013	NDUFB3	2	201071433	2.01E+08	14317	protein coding	1.54	2.83E-10	1.31E-07
ENSG00000238025	ZDHHC4P1	13	42933858	42934892	1034	processed pseudogene	1.54	3.28E-03	3.25E-02
ENSG00000156467	UQCRB	8	96222947	96235546	12599	protein coding	1.54	1.50E-10	8.08E-08
ENSG00000123610	TNFAIP6	2	151357592	1.51E+08	22454	protein coding	1.53	4.21E-11	3.19E-08
ENSG00000152348	ATG10	5	81972023	82276857	304834	protein coding	1.53	3.05E-09	9.35E-07
ENSG00000137628	DDX60	4	168216294	1.68E+08	102510	protein coding	1.52	4.93E-09	1.41E-06
ENSG0000010030	ETV7	6	36354091	36387800	33709	protein coding	1.49	7.59E-07	9.21E-05
ENSG00000205837	LINC00487	2	6728177	6770311	42134	lncRNA	1.49	4.73E-03	4.04E-02
ENSG00000231409	AC018868.1	15	34943080	34943394	314	processed pseudogene	1.48	1.83E-04	5.43E-03
ENSG00000152766	ANKRD22	10	88819896	88851844	31948	protein coding	1.47	6.80E-07	8.48E-05
ENSG00000270077	AP003117.1	8	97144170	97144723	553	lncRNA-sense intronic	1.47	2.41E-06	2.31E-04
ENSG00000169245	CXCL10	4	76021118	76023497	2379	protein coding	1.47	3.72E-06	3.28E-04
ENSG00000258985	AL352979.2	14	53036755	53038251	1496	lncRNA-antisense	1.47	6.07E-04	1.18E-02
ENSG00000196565	HBG2	11	5253188	5505605	252417	protein coding	1.44	6.63E-03	4.93E-02
ENSG00000273272	U62317.3	22	50541108	50543011	1903	lncRNA	1.44	3.78E-10	1.67E-07
ENSG00000169397	RNASE3	14	20891399	20892348	949	protein coding	1.44	6.86E-05	2.86E-03
ENSG00000251062	AC025459.1	5	32887990	32888145	155	processed pseudogene	1.44	6.03E-03	4.66E-02
ENSG00000166527	CLEC4D	12	8509475	8522366	12891	protein coding	1.43	3.55E-07	4.99E-05
ENSG00000180211	FO393411.1	6	39958414	39958833	419	processed pseudogene	1.42	2.07E-05	1.20E-03
ENSG00000170860	LSM3	3	14178817	14201122	22305	protein coding	1.41	2.78E-10	1.30E-07
ENSG00000225912	RPL26P36	X	92676519	92676954	435	processed pseudogene	1.40	2.60E-04	6.77E-03
ENSG00000173369	C1QB	1	22652762	22661637	8875	protein coding	1.39	2.23E-04	6.10E-03
ENSG00000150337	FCGR1A	1	149782671	1.5E+08	9847	protein coding	1.39	7.04E-08	1.31E-05

ENSG00000228007	AC011933.1	17	75338827	75339147	320	processed pseudogene	1.39	5.58E-03	4.46E-02
ENSG00000213178	RPL22P1	3	169483671	169E+08	409	processed pseudogene	1.39	2.02E-07	3.08E-05
ENSG00000234287	AC099560.2	3	40761545	40761799	254	processed pseudogene	1.38	8.18E-05	3.23E-03
ENSG00000188290	HE54	1	998962	1000172	1210	protein coding	1.37	2.06E-05	1.20E-03
ENSG00000241612	AC114728.1	4	19813749	19814231	482	processed pseudogene	1.37	8.35E-04	1.44E-02
ENSG00000125356	NDUFA1	X	119871832	1.2E+08	4830	protein coding	1.37	7.16E-10	2.74E-07
ENSG00000164104	HMG2	4	173331376	1.73E+08	3056	protein coding	1.35	1.06E-10	6.24E-08
ENSG00000163568	AIM2	1	159062484	1.59E+08	84612	protein coding	1.35	2.08E-08	4.73E-06
ENSG00000272558	U91328.2	6	25983812	25999167	15355	lncRNA-antisense	1.35	3.76E-03	3.55E-02
ENSG00000277978	AC010542.5	16	66565620	66566001	381	lncRNA-antisense	1.35	3.03E-06	2.80E-04
ENSG00000138772	ANXA3	4	78551747	78610451	58704	protein coding	1.35	2.06E-06	2.06E-04
ENSG00000136810	TXN	9	110243810	1.1E+08	12697	protein coding	1.34	1.99E-09	6.61E-07
ENSG00000232112	TMA7	3	48440257	48444208	3951	protein coding	1.33	3.62E-08	7.60E-06
ENSG00000125691	RPL23	17	38847860	38853764	5904	protein coding	1.33	1.36E-05	8.80E-04
ENSG00000188313	PLSCR1	3	146515180	1.47E+08	29676	protein coding	1.33	5.81E-10	2.30E-07
ENSG00000055332	E1F2AK2	2	37099210	37157065	57855	protein coding	1.32	1.57E-12	3.12E-09
ENSG00000233223	AC016876.1	17	7581964	7584086	2122	lncRNA-antisense	1.31	1.88E-06	1.91E-04
ENSG00000117228	GBP1	1	89052319	89065230	12911	protein coding	1.31	6.47E-09	1.75E-06
ENSG00000156411	ATP5MPL	14	103912288	1.04E+08	15981	protein coding	1.30	2.19E-08	4.96E-06
ENSG00000259007	AL358333.3	14	51967003	51969800	2797	lncRNA-antisense	1.29	3.03E-05	1.58E-03
ENSG00000161970	RPL26	17	8377516	8383213	5697	protein coding	1.28	3.02E-04	7.47E-03
ENSG00000234742	AC144530.1	3	197850400	1.98E+08	554	processed pseudogene	1.27	3.39E-04	8.09E-03
ENSG00000086065	CHMP5	9	33264879	33282070	17191	protein coding	1.27	8.08E-14	3.00E-10
ENSG00000253683	AC027309.2	5	172656522	1.73E+08	191	processed pseudogene	1.27	1.25E-07	2.14E-05
ENSG00000125148	MT2A	16	56608584	56609497	913	protein coding	1.27	2.99E-10	1.37E-07
ENSG00000269246	AC011445.1	19	39341773	39341945	172	lncRNA	1.26	5.83E-08	1.12E-05
ENSG00000168653	NDUFS5	1	39026318	39034636	8318	protein coding	1.25	1.44E-07	2.37E-05
ENSG00000163736	PPBP	4	73986439	73988190	1751	protein coding	1.24	3.22E-06	2.91E-04
ENSG00000204472	AIF1	6	31615217	31617021	1804	protein coding	1.23	1.85E-15	1.43E-11
ENSG00000274422	AC245060.5	22	22283928	22287220	3292	lncRNA	1.22	4.13E-04	9.18E-03
ENSG00000244380	AC134772.1	3	48440352	48446656	6304	lncRNA-antisense	1.22	2.11E-04	5.91E-03
ENSG00000169020	ATP5ME	4	672436	674330	1894	protein coding	1.22	1.32E-10	7.52E-08
ENSG00000245970	AP00352.1	8	98041726	98044121	2395	lncRNA-antisense	1.21	1.53E-05	9.65E-04
ENSG00000152778	IFIT5	10	89414568	89420997	6429	protein coding	1.20	9.25E-09	2.35E-06
ENSG00000137970	RPL7P9	1	96678874	96679620	746	processed pseudogene	1.20	2.04E-05	1.19E-03
ENSG00000272666	KLHDC7B-DT	22	50542305	50542906	601	lncRNA	1.20	1.57E-04	4.95E-03
ENSG00000141664	ZCHHC2	18	62523025	62587709	64684	protein coding	1.20	3.27E-12	4.98E-09
ENSG00000279236	AC064801.2	18	62551203	62552505	1302	TEC	1.20	1.11E-07	1.96E-05
ENSG00000173801	JUP	17	41754604	41786931	32327	protein coding	1.19	1.56E-05	9.80E-04
ENSG00000228802	AC073641.1	2	223965701	2.24E+08	2005	lncRNA-antisense	1.19	4.25E-03	3.82E-02
ENSG00000107201	DDX58	9	32455302	32526208	70906	protein coding	1.19	7.98E-11	4.94E-08
ENSG00000158869	FCER1G	1	161215234	1.61E+08	5465	protein coding	1.18	1.27E-13	4.29E-10
ENSG00000264235	AP005329.1	18	3255436	3261850	6414	lncRNA-antisense	1.17	3.06E-06	2.81E-04
ENSG00000143977	SNRPG	2	70281362	70293740	12378	protein coding	1.17	1.32E-08	3.17E-06
ENSG00000269621	AL589765.7	1	151755541	1.52E+08	4370	lncRNA-antisense	1.17	2.68E-03	2.89E-02
ENSG00000108679	LGAL3BP	17	78971238	78979947	8709	protein coding	1.17	9.66E-07	1.10E-04
ENSG00000177409	SAMD9L	7	93130056	93148385	18329	protein coding	1.17	4.22E-09	1.24E-06
ENSG00000140319	SRP14	15	40035690	40039181	3491	protein coding	1.17	1.07E-15	1.43E-11
ENSG00000135046	ANXA1	9	73151865	73170393	18528	protein coding	1.17	2.33E-09	7.53E-07
ENSG00000133169	BEX1	X	103062651	1.03E+08	1520	protein coding	1.17	4.62E-03	3.99E-02
ENSG00000260943	LINC02555	12	40140926	40142876	1950	lncRNA	1.16	1.71E-05	1.04E-03
ENSG00000127184	COX7C	5	86617928	86620962	3034	protein coding	1.16	1.25E-06	1.35E-04
ENSG00000203760	CENPW	6	126340115	1.26E+08	8760	protein coding	1.16	3.12E-04	7.64E-03
ENSG00000041357	PSMA4	15	78540405	78552417	12012	protein coding	1.15	9.52E-13	2.36E-09
ENSG00000235957	COX7CP1	13	49187479	49187670	191	processed pseudogene	1.15	2.45E-03	2.75E-02
ENSG00000237729	AC02075.2	7	93669826	93670077	251	processed pseudogene	1.15	6.30E-05	2.70E-03
ENSG00000138326	RPS24	10	78033760	78056813	23053	protein coding	1.15	1.31E-05	8.60E-04
ENSG00000002549	LAP3	4	17577192	17607972	30780	protein coding	1.15	5.54E-08	1.08E-05
ENSG00000279364	AC114546.3	15	34978351	34980084	1733	TEC	1.15	4.59E-04	9.78E-03
ENSG00000154723	ATP5PF	21	25716503	25735673	19170	protein coding	1.15	1.13E-12	2.63E-09
ENSG00000268049	AP001011.1	18	2688564	2833065	144501	lncRNA-antisense	1.15	1.28E-05	8.44E-04
ENSG00000092841	MYL6	12	56158346	56163496	5150	protein coding	1.14	6.68E-13	2.00E-09
ENSG00000213942	AC005840.1	12	6409637	6410013	376	processed pseudogene	1.14	5.41E-03	4.37E-02
ENSG00000155368	DBI	2	119366921	1.19E+08	5639	protein coding	1.14	2.15E-09	6.99E-07
ENSG00000147604	RPL7	8	73290242	73295789	5547	protein coding	1.14	1.17E-04	4.09E-03
ENSG00000115267	IFIH1	2	162267074	1.62E+08	51610	protein coding	1.13	7.66E-11	4.90E-08
ENSG00000248188	AC005798.1	4	15743196	15743582	386	processed pseudogene	1.13	4.23E-04	9.31E-03
ENSG00000197561	ELANE	19	851014	856247	5233	protein coding	1.13	7.81E-04	1.38E-02
ENSG00000173193	PARP14	3	122680839	1.23E+08	50001	protein coding	1.13	2.47E-12	4.18E-09
ENSG00000159189	C1QC	1	22643633	22648110	4477	protein coding	1.13	2.71E-03	2.91E-02
ENSG00000240509	RPL34P18	8	93957338	93957691	353	processed pseudogene	1.12	4.64E-03	4.00E-02
ENSG00000234964	FABP5P7	11	59781318	59781722	404	processed pseudogene	1.12	6.80E-04	1.26E-02
ENSG00000068079	IFI35	17	43006740	43014456	7716	protein coding	1.12	3.22E-11	2.66E-08
ENSG00000100632	ERH	14	69380128	69398299	18171	protein coding	1.11	1.10E-15	1.43E-11
ENSG00000257017	HP	16	72054505	72061055	6550	protein coding	1.11	3.48E-03	3.38E-02
ENSG00000124256	ZBP1	20	57603846	57620576	16730	protein coding	1.11	8.35E-13	2.21E-09
ENSG00000105205	CLC	19	39731255	39738029	6774	protein coding	1.10	6.76E-04	1.26E-02
ENSG00000134809	TIMM10	11	57528464	57530803	2339	protein coding	1.09	3.91E-08	8.03E-06
ENSG00000115128	SF3B6	2	24067586	24076373	8787	protein coding	1.09	3.52E-11	2.84E-08
ENSG00000137757	CASP5	11	104994235	1.05E+08	28933	protein coding	1.08	1.07E-06	1.18E-04
ENSG00000131174	COX7B	X	77899440	77907376	7936	protein coding	1.08	2.30E-06	2.24E-04
ENSG00000234268	AP000936.3	11	117035797	1.17E+08	254	processed pseudogene	1.08	6.95E-05	2.89E-03
ENSG00000129757	CDKN1C	11	2883213	2885775	2562	protein coding	1.08	3.14E-06	2.87E-04
ENSG00000242951	AC007182.2	14	75595805	75596206	401	processed pseudogene	1.07	1.93E-03	2.36E-02
ENSG00000229605	RPL21P93	10	28898996	28899484	488	processed pseudogene	1.06	1.30E-04	4.40E-03
ENSG00000154451	GBP5	1	89258950	89272804	13854	protein coding	1.06	6.18E-07	7.77E-05
ENSG00000109475	RPL34	4	108620566	1.09E+08	9846	protein coding	1.05	2.57E-03	2.82E-02

ENSG00000121236	TRIM6	11	5596109	5612958	16849	protein coding	1.05	1.38E-03	1.94E-02
ENSG00000272742	AC135457.1	5	139364677	1.39E+08	5040	lncRNA-antisense	1.05	5.25E-05	2.39E-03
ENSG00000223722	IFITM3P2	12	31754720	31755121	401	processed pseudogene	1.05	1.12E-03	1.70E-02
ENSG00000244716	BX679664.3	1	108992282	1.09E+08	554	processed pseudogene	1.05	1.39E-03	1.95E-02
ENSG00000259678	AC066613.2	15	51414097	51498833	84736	lncRNA-antisense	1.04	1.50E-03	2.04E-02
ENSG00000138642	HERC6	4	88378739	88443097	64358	protein coding	1.04	8.83E-07	1.04E-04
ENSG00000132274	TRIM22	11	5689697	5737089	47392	protein coding	1.04	7.41E-09	1.96E-06
ENSG00000185339	TCN2	22	30607003	30627271	20268	protein coding	1.04	9.39E-07	1.09E-04
ENSG00000104918	RETN	19	7669049	7670455	1406	protein coding	1.04	3.41E-04	8.13E-03
ENSG00000167088	SNRPD1	18	21612314	21633524	21210	protein coding	1.04	1.43E-10	7.92E-08
ENSG00000274629	AC073052.1	2	224464682	2.24E+08	9818	lncRNA-antisense	1.04	1.38E-04	4.53E-03
ENSG00000288528	AP000942.5	11	102316173	1.02E+08	12413	lncRNA	1.04	6.81E-03	4.99E-02
ENSG00000130755	GMFG	19	39328353	39342372	14019	protein coding	1.03	5.73E-11	4.02E-08
ENSG00000156587	UBE2L6	11	57551656	57568284	16628	protein coding	1.03	1.01E-11	1.04E-08
ENSG00000140932	CMTM2	16	66579448	66588275	8827	protein coding	1.03	1.95E-07	3.00E-05
ENSG00000138496	PARP9	3	222527924	1.23E+08	36653	protein coding	1.02	6.98E-13	2.00E-09
ENSG00000277511	AC116407.2	17	32127595	32128454	859	lncRNA	1.02	1.43E-04	4.66E-03
ENSG00000267379	AC08569.1	19	14402717	14408723	6006	lncRNA-antisense	1.02	1.62E-03	1.66E-02
ENSG00000267484	AC027319.1	19	4838332	4838907	575	lncRNA-antisense	1.02	8.89E-04	1.50E-02
ENSG00000196683	TOMM7	7	22812628	22822852	10224	protein coding	1.02	6.22E-05	2.67E-03
ENSG00000234389	AC007278.1	2	102438713	1.02E+08	1762	lncRNA-sense intronic	1.02	6.55E-04	1.24E-02
ENSG00000211895	IGHA1	14	105703995	1.06E+08	4670	IG C gene	1.01	7.52E-04	1.35E-02
ENSG00000235576	LINC01871	2	7725801	7730705	4904	lncRNA	1.01	8.28E-05	3.26E-03
ENSG00000108771	DHX58	17	42101404	42112714	11310	protein coding	1.01	2.05E-09	6.75E-07
ENSG00000115541	HSPF1	2	197500140	1.98E+08	3309	protein coding	1.01	7.50E-08	1.38E-05
ENSG00000212664	AC064799.1	15	71341158	71341712	554	processed pseudogene	1.01	2.15E-03	2.54E-02
ENSG00000257764	AC020656.1	12	69353493	69354225	732	lncRNA-antisense	1.01	6.06E-04	1.17E-02
ENSG00000265784	AC006441.3	17	38918801	38921769	2968	lncRNA-antisense	1.01	2.55E-04	6.68E-03
ENSG00000338945	MSR1	8	16107878	16567490	459612	protein coding	1.00	3.89E-05	1.94E-03
ENSG00000269570	AP001350.1	11	58611119	58612642	1523	lncRNA-antisense	1.00	2.19E-03	2.57E-02
ENSG00000134398	ERN2	16	23690310	23713226	22916	protein coding	-1.00	4.96E-03	4.15E-02
ENSG00000134121	CHL1	3	196763	409417	212654	protein coding	-1.00	2.49E-03	2.78E-02
ENSG00000116285	ERRF1	1	8004404	8026309	21905	protein coding	-1.00	1.26E-03	1.84E-02
ENSG00000185634	SHC4	15	48823741	48963919	140178	protein coding	-1.00	2.29E-03	2.64E-02
ENSG00000108813	DLX4	17	49968970	49974959	5989	protein coding	-1.00	3.00E-04	7.44E-03
ENSG00000187720	THSD4	15	71096952	71783383	686431	protein coding	-1.00	3.30E-04	7.96E-03
ENSG00000187672	ERC2	3	55508311	56468467	960156	protein coding	-1.00	1.52E-03	2.05E-02
ENSG00000185958	FAM186A	12	50326230	50396622	70392	protein coding	-1.00	1.28E-03	1.86E-02
ENSG00000173838	MARCFH10	17	62701314	62808344	107030	protein coding	-1.00	1.46E-03	2.00E-02
ENSG00000170927	PKHD1	6	51615299	52087613	472314	protein coding	-1.00	3.12E-03	3.16E-02
ENSG00000211802	TRAV22	14	22070557	22071208	651	TR V gene	-1.00	5.96E-03	4.63E-02
ENSG00000205622	AP001042.1	21	38812878	38956467	143589	lncRNA	-1.00	2.88E-03	3.01E-02
ENSG00000179133	C10orf67	10	23202696	23344845	142149	protein coding	-1.00	4.60E-03	3.99E-02
ENSG00000006042	TMEM98	17	32927910	32945106	17196	protein coding	-1.00	4.68E-03	4.02E-02
ENSG00000066629	EML1	14	99737693	99942060	204367	protein coding	-1.00	1.93E-03	2.36E-02
ENSG00000137834	SMAD6	15	66702236	66782849	80613	protein coding	-1.00	2.10E-03	2.50E-02
ENSG00000154175	ABI3BP	3	100749156	1.01E+08	244359	protein coding	-1.01	2.06E-03	2.46E-02
ENSG00000112769	LAMA4	6	112107931	1.12E+08	147008	protein coding	-1.01	2.84E-03	3.00E-02
ENSG00000185532	PRKG1	10	50990888	52298423	1307535	protein coding	-1.01	4.09E-03	3.74E-02
ENSG00000184144	CNTN2	1	205042937	2.05E+08	35352	protein coding	-1.01	5.72E-03	4.52E-02
ENSG00000169291	SHE	1	154469772	1.55E+08	32640	protein coding	-1.01	6.43E-03	4.83E-02
ENSG00000169031	COL4A3	2	227164624	2.27E+08	150168	protein coding	-1.01	6.66E-05	2.81E-03
ENSG00000047617	ANO2	12	5531869	5946232	414363	protein coding	-1.01	4.21E-03	3.80E-02
ENSG00000204745	AC083899.1	2	87125198	87196629	71431	unprocessed pseudogene	-1.01	4.64E-03	4.00E-02
ENSG00000178445	GLDC	9	6532467	6645729	113262	protein coding	-1.01	3.83E-03	3.60E-02
ENSG00000174514	MFS04A	1	205568885	2.06E+08	34033	protein coding	-1.01	2.42E-03	2.73E-02
ENSG00000138759	FRAS1	4	78057323	78544269	486946	protein coding	-1.01	4.58E-04	9.77E-03
ENSG00000070019	GUCY2C	12	14612632	14696599	83967	protein coding	-1.01	3.52E-03	3.41E-02
ENSG00000184661	CDCA2	8	25459199	25507911	48712	protein coding	-1.01	1.88E-03	2.32E-02
ENSG00000197467	COL13A1	10	69801880	69964275	162395	protein coding	-1.01	1.01E-04	3.72E-03
ENSG00000138152	BTBD16	10	122271296	1.22E+08	66863	protein coding	-1.01	2.60E-03	2.84E-02
ENSG00000115705	TPO	2	1374066	1543711	169645	protein coding	-1.01	9.76E-04	1.58E-02
ENSG00000115461	IGFBP5	2	216672105	2.17E+08	23444	protein coding	-1.01	2.73E-03	2.93E-02
ENSG00000260306	AC092375.2	16	21794095	21795759	1664	lncRNA	-1.01	1.24E-03	1.82E-02
ENSG00000261115	TMEM178B	7	141074064	1.41E+08	406316	protein coding	-1.01	2.59E-03	2.84E-02
ENSG00000263400	TMEM220-AS1	17	10729777	10815164	85387	lncRNA-antisense	-1.01	4.75E-03	4.05E-02
ENSG00000143850	PLEKHA6	1	204218853	2.04E+08	158812	protein coding	-1.01	4.63E-04	9.82E-03
ENSG00000187905	LRRK74B	22	21045960	21064168	18208	protein coding	-1.01	1.99E-03	2.41E-02
ENSG00000187323	DCC	18	52340197	53535903	1195706	protein coding	-1.01	5.40E-03	4.36E-02
ENSG00000082684	SEMA5B	3	122909082	1.23E+08	119523	protein coding	-1.01	4.26E-04	9.34E-03
ENSG00000230417	LINC00595	10	78179185	78551355	372170	lncRNA	-1.01	6.49E-04	1.23E-02
ENSG00000233183	AL138889.1	6	33891327	33927631	36304	lncRNA	-1.01	2.06E-04	5.82E-03
ENSG00000036530	CYP46A1	14	99684298	99727301	43003	protein coding	-1.01	5.01E-04	1.04E-02
ENSG00000177338	LINC00469	17	73749270	73828520	79250	lncRNA	-1.01	1.93E-03	2.35E-02
ENSG00000144395	CCDC150	2	196639554	1.97E+08	123936	protein coding	-1.02	1.13E-03	1.72E-02
ENSG00000166833	NAV2	11	19350724	20121601	770877	protein coding	-1.02	5.54E-06	4.51E-04
ENSG00000003137	CYP26B1	2	72129238	72148038	18800	protein coding	-1.02	2.18E-03	2.56E-02
ENSG00000267710	EDDM13	19	56272748	56310454	37706	protein coding	-1.02	4.24E-03	3.82E-02
ENSG00000275383	AC126773.6	16	68591382	68594424	3042	lncRNA	-1.02	1.78E-03	2.24E-02
ENSG00000171533	MAP6	11	75586918	75669120	82202	protein coding	-1.02	5.24E-03	4.29E-02
ENSG00000177692	DNAJC28	21	33485530	33491716	6186	protein coding	-1.02	1.57E-03	2.08E-02
ENSG00000117971	CHRNBA	15	78624111	78727754	103643	protein coding	-1.02	4.18E-03	3.78E-02
ENSG00000145700	ANKRD31	5	75068275	75236911	168636	protein coding	-1.02	1.11E-04	3.95E-03
ENSG00000162733	DDR2	1	162631373	1.63E+08	156032	protein coding	-1.02	1.50E-04	4.82E-03
ENSG00000279631	AL158211.5	10	22252072	22254589	2517	TEC	-1.02	2.68E-03	2.89E-02
ENSG00000177551	NHLH2	1	115836377	1.16E+08	7540	protein coding	-1.02	6.64E-03	4.93E-02
ENSG00000163689	CFAP20DC	3	58717365	59050084	332719	protein coding	-1.02	1.34E-03	1.91E-02

ENSG00000176771	NCKAP5	2	132671788	1.34E+08	896675	protein coding	-1.02	5.36E-03	4.34E-02
ENSG00000285940	AC009899.1	18	37565281	37762131	196850	lncRNA-antisense	-1.02	5.30E-03	4.31E-02
ENSG00000245248	USP2-AS1	11	119364359	1.2E+08	162305	lncRNA-antisense	-1.02	2.29E-03	2.64E-02
ENSG00000102287	GABRE	X	151953124	1.52E+08	21556	protein coding	-1.02	2.60E-03	2.84E-02
ENSG00000140009	ESR2	14	64084232	64338112	253880	protein coding	-1.02	4.99E-04	1.04E-02
ENSG00000165643	SOHLH1	9	135693407	1.36E+08	11091	protein coding	-1.02	2.40E-03	2.72E-02
ENSG00000276476	LINC00540	13	22040972	22276526	235554	lncRNA	-1.02	2.05E-03	2.46E-02
ENSG00000184949	FAM227A	22	38578120	38656629	78509	protein coding	-1.02	6.76E-03	4.97E-02
ENSG00000115648	MLPH	2	237485428	2.38E+08	69894	protein coding	-1.02	3.08E-04	7.58E-03
ENSG00000154864	PIEZO2	18	10666483	11149569	483086	protein coding	-1.02	6.69E-04	1.25E-02
ENSG00000101311	FERMT1	20	6074845	6123030	48185	protein coding	-1.02	5.72E-03	4.51E-02
ENSG00000106536	POU6F2	7	38977909	39493095	515186	protein coding	-1.02	4.97E-03	4.16E-02
ENSG00000131095	GFAP	17	44903159	44916937	13778	protein coding	-1.02	4.34E-03	3.85E-02
ENSG00000225914	TSBP1-AS1	6	32254640	32407763	153123	lncRNA-antisense	-1.02	1.45E-03	2.00E-02
ENSG00000099954	CECR2	22	17359949	17558149	198200	protein coding	-1.02	1.01E-05	7.20E-04
ENSG00000133454	MYO18B	22	25742144	26031045	288901	protein coding	-1.03	6.67E-04	1.25E-02
ENSG00000143061	IGSF3	1	116574399	1.17E+08	93356	protein coding	-1.03	2.45E-03	2.75E-02
ENSG00000206077	ZDHHC11B	5	710355	784729	74374	protein coding	-1.03	5.07E-04	1.05E-02
ENSG00000143450	OAZ3	1	151762899	1.52E+08	8435	protein coding	-1.03	1.03E-03	1.63E-02
ENSG00000107130	NCS1	9	130172404	1.3E+08	64899	protein coding	-1.03	5.29E-04	1.07E-02
ENSG00000123243	ITIH5	10	7559270	7666998	107728	protein coding	-1.03	5.70E-03	4.50E-02
ENSG00000255093	AP02008.2	11	111448450	1.11E+08	26947	transcribed unitary pseudogene	-1.03	1.55E-03	2.08E-02
ENSG00000149201	CDC81	11	86374736	86423109	48373	protein coding	-1.03	3.43E-03	3.35E-02
ENSG00000002079	MYH16	7	99238829	99311130	72301	transcribed unitary pseudogene	-1.03	5.18E-03	4.27E-02
ENSG00000174640	SLC02A1	3	133932701	1.34E+08	119483	protein coding	-1.03	7.91E-04	1.39E-02
ENSG00000228775	WEE2-AS1	7	141704003	1.42E+08	34343	lncRNA-antisense	-1.03	3.15E-04	7.70E-03
ENSG00000185267	CDNF	10	14819245	14838575	19330	protein coding	-1.03	2.79E-03	2.96E-02
ENSG00000170835	CEL	9	133061978	1.33E+08	9885	protein coding	-1.03	4.74E-03	4.05E-02
ENSG00000250120	PCDH410	5	140855883	1.41E+08	156464	protein coding	-1.03	4.40E-03	3.88E-02
ENSG00000137936	BCAR3	1	93561741	93847150	285409	protein coding	-1.03	3.57E-04	8.38E-03
ENSG00000170412	GPRC5C	17	74424851	74451653	26802	protein coding	-1.03	8.64E-04	1.47E-02
ENSG00000229961	AL357143.1	1	157171116	1.57E+08	20847	transcribed unprocessed pseudogene	-1.03	4.39E-03	3.87E-02
ENSG00000133958	UNC79	14	93333219	93707876	374657	protein coding	-1.03	1.25E-03	1.83E-02
ENSG00000172346	CSDC2	22	41561010	41577741	16731	protein coding	-1.03	1.33E-03	1.91E-02
ENSG00000232040	ZBED9	6	28570535	28616212	45677	protein coding	-1.03	5.09E-03	4.22E-02
ENSG00000128849	CGNL1	15	57375967	57550717	174750	protein coding	-1.03	2.44E-04	6.51E-03
ENSG00000169758	TMEM266	15	76059958	76229121	169163	protein coding	-1.03	4.26E-04	9.34E-03
ENSG00000180777	ANKRD30B	18	14728272	14854038	125766	protein coding	-1.03	4.74E-03	4.05E-02
ENSG00000132204	LINC00470	18	1254383	1408344	153961	lncRNA	-1.03	2.93E-03	3.04E-02
ENSG00000237975	FLG-AS1	1	152168125	1.52E+08	277331	lncRNA-antisense	-1.03	1.80E-03	2.26E-02
ENSG00000249667	LINC01259	4	38509767	38518056	8289	lncRNA	-1.04	5.76E-05	2.54E-03
ENSG00000204706	MAMDC2-AS1	9	70033921	70175888	141967	lncRNA-antisense	-1.04	3.35E-03	3.30E-02
ENSG00000119283	TRIM67	1	231162112	2.31E+08	59444	protein coding	-1.04	8.91E-04	1.50E-02
ENSG00000145949	MYLK4	6	2663629	2750922	87293	protein coding	-1.04	4.48E-05	2.14E-03
ENSG00000135063	FAM189A2	9	69324567	69392558	67991	protein coding	-1.04	3.00E-03	3.08E-02
ENSG00000130635	COL5A1	9	134641803	1.35E+08	203040	protein coding	-1.04	2.33E-03	2.67E-02
ENSG00000181126	HLA-V	6	29790954	29797811	6857	transcribed unprocessed pseudogene	-1.04	3.90E-03	6.63E-02
ENSG00000223930	AC117453.1	3	178164008	1.78E+08	221471	lncRNA-antisense	-1.04	5.57E-03	4.46E-02
ENSG00000286167	AC105402.1	2	148909406	1.49E+08	17848	lncRNA-antisense	-1.04	3.60E-03	3.46E-02
ENSG00000124721	DNAH8	6	38715311	39030792	315481	protein coding	-1.04	7.08E-04	1.30E-02
ENSG00000157851	DPYSL5	2	26847747	26950351	102604	protein coding	-1.04	4.78E-03	4.07E-02
ENSG00000117215	PLA2G2D	1	20111939	20119566	7627	protein coding	-1.05	6.57E-03	4.89E-02
ENSG00000171246	NPTX1	17	80466834	80477843	11009	protein coding	-1.05	1.37E-03	1.94E-02
ENSG00000125414	MYH2	17	10521148	10549700	28552	protein coding	-1.05	5.98E-03	4.63E-02
ENSG00000163702	IL17RC	3	9917074	9933630	16556	protein coding	-1.05	2.99E-04	7.44E-03
ENSG00000127362	TAS2R3	7	141764097	1.42E+08	1100	protein coding	-1.05	1.52E-03	2.06E-02
ENSG00000274220	AC009163.7	16	75433836	75436392	2556	lncRNA	-1.05	4.40E-03	3.88E-02
ENSG00000069431	ABCC9	12	21797401	21942529	145128	protein coding	-1.05	1.34E-03	1.91E-02
ENSG00000117525	F3	1	94529173	94541759	12586	protein coding	-1.05	5.93E-03	4.62E-02
ENSG00000183549	ACSM5	16	20409534	20441336	31802	protein coding	-1.05	4.44E-03	3.90E-02
ENSG00000147082	CCNB3	X	50202713	50351914	149201	protein coding	-1.05	6.09E-03	4.68E-02
ENSG00000078295	ADCY2	5	7396138	7830081	433943	protein coding	-1.05	2.41E-04	6.46E-03
ENSG00000122367	LDB3	10	86668507	86736072	67565	protein coding	-1.05	6.28E-04	1.21E-02
ENSG00000115183	TANC1	2	158968640	1.59E+08	264019	protein coding	-1.05	2.59E-06	2.45E-04
ENSG00000225937	PCA3	9	76691980	76863307	171327	lncRNA-antisense	-1.05	1.32E-03	1.90E-02
ENSG00000246339	EXTL3-AS1	8	28690215	28702030	11815	lncRNA-antisense	-1.05	9.43E-04	1.55E-02
ENSG00000165186	PTCHD1	X	23334849	23404374	69525	protein coding	-1.05	6.22E-03	4.74E-02
ENSG00000112812	PRSS16	6	27247701	27256624	8923	protein coding	-1.05	1.54E-04	4.88E-03
ENSG00000253943	KRT18P37	8	41511240	41512521	1281	processed pseudogene	-1.05	2.65E-03	2.87E-02
ENSG00000261079	AC009053.2	16	74367462	74369826	2364	lncRNA	-1.05	2.53E-03	2.80E-02
ENSG00000104237	RP1	8	54509422	54871720	362298	protein coding	-1.05	2.82E-04	7.14E-03
ENSG00000170011	MYRIP	3	39808914	40260321	451407	protein coding	-1.05	1.00E-03	1.61E-02
ENSG00000249669	CARMN	5	149406689	1.49E+08	26146	lncRNA	-1.05	9.72E-04	1.58E-02
ENSG00000009765	YD	6	150368892	1.5E+08	37077	protein coding	-1.06	3.98E-03	3.68E-02
ENSG00000140798	ABCC12	16	48081006	48156018	75012	protein coding	-1.06	1.17E-03	1.76E-02
ENSG00000204991	SPIRE2	16	89818179	89871319	53140	protein coding	-1.06	9.77E-05	3.68E-03
ENSG00000162877	PM20D1	1	205828025	2.06E+08	22107	protein coding	-1.06	2.26E-03	2.62E-02
ENSG00000163817	SLC6A20	3	45755449	45796536	41087	protein coding	-1.06	1.38E-03	1.94E-02
ENSG00000169783	LINGO1	15	77613027	77820900	207873	protein coding	-1.06	3.74E-03	3.54E-02
ENSG00000281692	PACRG-AS1	6	163306907	1.63E+08	17623	lncRNA-antisense	-1.06	6.42E-03	4.83E-02
ENSG00000175773	ZBTB44-DT	11	130314993	1.3E+08	88664	lncRNA	-1.06	9.95E-05	6.63E-03
ENSG00000058335	RASGRF1	15	78959906	79090780	130874	protein coding	-1.06	7.45E-05	3.01E-03
ENSG00000189143	CLDN4	7	73799542	73832693	33151	protein coding	-1.06	3.38E-03	3.32E-02
ENSG00000141485	SLC13A5	17	6684719	6713377	28658	protein coding	-1.06	3.29E-04	7.93E-03
ENSG00000173698	ADRG2	X	18989307	19122637	133330	protein coding	-1.06	1.07E-05	7.52E-04
ENSG00000005108	THSD7A	7	11370365	11832198	461833	protein coding	-1.06	6.31E-04	1.21E-02
ENSG00000259345	AC013652.1	15	38865322	39427195	561873	lncRNA	-1.06	5.84E-03	4.57E-02

ENSG00000205213	LGR4	11	27365961	27472790	106829	protein coding	-1.06	3.75E-04	8.63E-03
ENSG00000133477	FAM83F	22	39994954	40043534	48580	protein coding	-1.06	4.75E-04	1.00E-02
ENSG00000197763	TXNRD3	3	126571779	1.27E+08	83345	protein coding	-1.06	4.90E-04	1.02E-02
ENSG00000041982	TNC	9	115019575	1.15E+08	98682	protein coding	-1.06	1.46E-03	2.00E-02
ENSG00000151388	ADAMTS12	5	33523535	33892019	368484	protein coding	-1.06	1.13E-03	1.72E-02
ENSG00000262655	SPON1	11	13962723	14268133	305410	protein coding	-1.06	3.75E-04	8.63E-03
ENSG00000159263	SIM2	21	36699115	36749917	50802	protein coding	-1.06	5.36E-04	1.08E-02
ENSG00000225361	PPP1R26-AS1	9	135462727	1.35E+08	18050	lncRNA-antisense	-1.06	8.96E-04	1.51E-02
ENSG00000158955	WNT9B	17	46833201	46886730	53529	protein coding	-1.06	5.02E-03	4.19E-02
ENSG00000263142	LRRRC37A17P	17	46978481	47054569	76088	incribed unprocessed pseudoge	-1.06	4.22E-04	9.30E-03
ENSG00000101049	SGK2	20	43558968	43588237	29269	protein coding	-1.06	7.42E-04	1.34E-02
ENSG00000236699	ARHGEF38	4	105552620	1.06E+08	155473	protein coding	-1.06	4.54E-03	3.96E-02
ENSG00000187980	PLA2G2C	1	20161253	20186518	25265	protein coding	-1.07	7.61E-04	1.36E-02
ENSG00000258583	LINC01500	14	58646631	59184247	537616	lncRNA	-1.07	1.68E-03	2.17E-02
ENSG00000127329	PTPRB	12	70515870	70637440	121570	protein coding	-1.07	2.17E-04	5.99E-03
ENSG00000265190	ANXA8	10	47460162	47484158	23996	protein coding	-1.07	5.06E-03	4.21E-02
ENSG00000109794	FAM149A	4	186104419	1.86E+08	68248	protein coding	-1.07	2.14E-03	2.53E-02
ENSG00000149596	JPH2	20	44106590	44187188	80598	protein coding	-1.07	3.14E-03	3.18E-02
ENSG00000164946	FREM1	9	14737152	14910995	173843	protein coding	-1.07	2.16E-03	2.55E-02
ENSG00000198929	NOS1AP	1	162069691	1.62E+08	300784	protein coding	-1.07	4.99E-04	1.04E-02
ENSG00000165091	TMC1	9	72521608	72838297	316689	protein coding	-1.07	6.33E-03	4.79E-02
ENSG00000204653	ASPDH	19	50511600	50514690	3090	protein coding	-1.07	1.71E-03	2.20E-02
ENSG00000183853	KIRREL1	1	157993273	1.58E+08	106989	protein coding	-1.07	1.05E-03	1.65E-02
ENSG00000171804	WDR87	19	37884823	37906677	21854	protein coding	-1.07	5.72E-03	4.51E-02
ENSG00000241644	INMT	7	30697985	30757602	59617	protein coding	-1.07	3.06E-03	3.11E-02
ENSG00000136928	GABBR2	9	98288109	98708935	420826	protein coding	-1.07	2.76E-03	2.94E-02
ENSG00000261054	AC036108.2	15	99128832	99131806	2974	lncRNA-antisense	-1.07	5.06E-03	4.21E-02
ENSG00000197099	AC068631.1	3	186579476	1.87E+08	193510	lncRNA-antisense	-1.07	7.91E-05	3.14E-03
ENSG00000128655	PDE11A	2	177623244	1.78E+08	449533	protein coding	-1.07	4.28E-03	3.83E-02
ENSG00000116983	HPCAL4	1	39678648	39691485	12837	protein coding	-1.07	8.67E-07	1.03E-04
ENSG00000160963	COL26A1	7	101362875	1.02E+08	196149	protein coding	-1.07	1.10E-03	1.69E-02
ENSG00000112041	TULP1	6	35497874	35512896	15022	protein coding	-1.07	4.61E-03	3.99E-02
ENSG00000166104	AC126323.1	15	62227896	62253235	25339	incribed unprocessed pseudoge	-1.07	5.45E-03	4.38E-02
ENSG00000215529	EFCAB8	20	32858923	32961609	102686	protein coding	-1.07	1.50E-07	2.44E-05
ENSG00000140481	CCDC33	15	74202705	74336472	133767	protein coding	-1.07	7.62E-04	1.36E-02
ENSG00000050555	LAMC3	9	131009174	1.31E+08	85299	protein coding	-1.07	8.07E-04	1.41E-02
ENSG00000171532	NEUROD2	17	39603536	39609777	6241	protein coding	-1.07	5.84E-03	4.58E-02
ENSG00000124780	KGNK17	6	39299001	39314461	15460	protein coding	-1.07	1.62E-03	2.12E-02
ENSG00000134201	GSTM5	1	109711780	1.1E+08	63648	protein coding	-1.07	5.58E-03	4.46E-02
ENSG00000089723	OTUB2	14	94026340	94048930	22590	protein coding	-1.07	2.20E-03	2.57E-02
ENSG00000221955	SLC12A8	3	125082636	1.25E+08	130228	protein coding	-1.07	4.41E-04	9.54E-03
ENSG00000131386	GALNT15	3	16174680	16231992	57312	protein coding	-1.07	5.74E-03	4.53E-02
ENSG00000145626	UGT3A1	5	35951006	36001028	50022	protein coding	-1.07	3.55E-03	3.43E-02
ENSG00000136944	LMX1B	9	126613928	1.27E+08	87104	protein coding	-1.07	1.51E-03	2.04E-02
ENSG00000183840	GPR39	2	132416805	1.33E+08	229777	protein coding	-1.07	3.82E-03	3.59E-02
ENSG00000260288	AC019294.2	15	75737820	75763322	25502	lncRNA	-1.07	9.05E-04	1.52E-02
ENSG00000183248	PRR36	19	7868719	7874390	5671	protein coding	-1.08	6.19E-03	4.73E-02
ENSG00000102359	SRPX2	X	100644195	1.01E+08	31593	protein coding	-1.08	5.08E-03	4.21E-02
ENSG00000277152	AC110048.2	15	66860303	66867023	6720	lncRNA	-1.08	1.41E-04	4.59E-03
ENSG00000158816	VWASB1	1	20290919	20354894	63975	protein coding	-1.08	3.82E-04	8.75E-03
ENSG00000121594	CD80	3	119524293	1.2E+08	35321	protein coding	-1.08	2.29E-03	2.64E-02
ENSG00000180113	TDRD6	6	46687875	46704319	16444	protein coding	-1.08	4.77E-03	4.06E-02
ENSG00000113073	SLC4A9	5	140360194	1.4E+08	14947	protein coding	-1.08	1.41E-03	1.96E-02
ENSG00000255491	AC100858.2	8	124811042	1.25E+08	46474	lncRNA	-1.08	3.59E-03	3.45E-02
ENSG00000235142	LINC02532	6	106705334	1.07E+08	82814	lncRNA	-1.08	6.14E-03	4.70E-02
ENSG00000230262	LINC02603	9	94176492	94259545	83053	lncRNA	-1.08	2.51E-03	2.79E-02
ENSG00000147689	FAM83A	8	123178960	1.23E+08	31119	protein coding	-1.08	1.22E-04	4.23E-03
ENSG00000113645	WWC1	5	168291645	1.68E+08	180658	protein coding	-1.08	3.18E-05	1.65E-03
ENSG00000204529	GUCY2EP	11	76694041	76719801	25760	incribed unprocessed pseudoge	-1.08	3.28E-03	3.25E-02
ENSG00000250493	AP004147.1	11	120867933	1.21E+08	26864	lncRNA-antisense	-1.08	4.55E-03	3.97E-02
ENSG00000174498	IGDC33	15	65327127	65378002	50875	protein coding	-1.08	2.89E-03	3.02E-02
ENSG00000182983	ZNF662	3	42906142	42919334	13192	protein coding	-1.08	7.07E-04	1.30E-02
ENSG00000188089	PLA2G4E	15	41981582	42051190	69608	protein coding	-1.08	1.89E-03	2.32E-02
ENSG00000235100	AL157400.3	10	89667181	89701274	34093	lncRNA	-1.08	5.38E-03	4.35E-02
ENSG00000122012	SV2C	5	76083383	76353939	270556	protein coding	-1.08	7.27E-04	1.32E-02
ENSG00000285569	AC099344.3	2	11405508	11427186	21678	lncRNA	-1.08	4.82E-03	4.09E-02
ENSG00000143494	VASH2	1	212950520	2.13E+08	41517	protein coding	-1.08	3.54E-04	8.32E-03
ENSG00000166444	DENN2B	11	8693351	8910951	217600	protein coding	-1.08	3.22E-05	1.67E-03
ENSG00000165566	AMER2	13	25161684	25172288	10604	protein coding	-1.09	6.48E-03	4.85E-02
ENSG00000177181	RIMKLA	1	42380792	42424232	43440	protein coding	-1.09	4.45E-04	9.58E-03
ENSG00000186115	CYP4F2	19	15878023	15898077	20054	protein coding	-1.09	3.55E-03	3.43E-02
ENSG00000148408	CACNA1B	9	137877782	1.38E+08	246842	protein coding	-1.09	9.64E-04	1.58E-02
ENSG00000153404	PLEKHG4B	5	92151	189972	97821	protein coding	-1.09	1.26E-03	1.84E-02
ENSG00000092621	PHGDH	1	119648411	1.2E+08	95807	protein coding	-1.09	6.86E-08	1.29E-05
ENSG00000158258	CLSTN2	3	139935185	1.41E+08	642212	protein coding	-1.09	7.76E-04	1.38E-02
ENSG00000205853	RFPL3S	22	32359886	32382106	22220	lncRNA	-1.09	1.67E-04	5.12E-03
ENSG00000166535	A2ML1	12	8822621	8887001	64380	protein coding	-1.09	3.55E-03	3.43E-02
ENSG00000240405	SAMMSON	3	69999550	70518064	518514	lncRNA	-1.09	3.44E-04	8.20E-03
ENSG00000240497	AC092919.1	3	171459248	1.71E+08	10454	lncRNA	-1.09	1.70E-03	2.19E-02
ENSG00000261003	AL008628.1	6	170414139	1.7E+08	5186	lncRNA-sense overlapping	-1.09	1.33E-03	1.90E-02
ENSG00000185518	SV2B	15	91099950	91302565	202615	protein coding	-1.09	1.84E-03	2.28E-02
ENSG00000230317	LINC01284	X	51095836	51224432	128596	lncRNA	-1.09	1.31E-04	4.41E-03
ENSG00000132793	LPIN3	20	41340821	41360582	19761	protein coding	-1.09	4.21E-03	3.80E-02
ENSG00000226519	LINC00390	13	44094822	44147762	52940	lncRNA	-1.09	4.47E-03	3.92E-02
ENSG00000261043	AC019294.3	15	75759501	75762405	2904	lncRNA	-1.09	2.50E-03	2.78E-02
ENSG00000197915	HRNR	1	152212076	1.52E+08	12117	protein coding	-1.09	1.71E-03	2.19E-02
ENSG00000068615	REEP1	2	86213993	86338083	124090	protein coding	-1.09	4.75E-03	4.05E-02

ENSG00000113594	LIFR	5	38474668	38608354	133686	protein coding	-1.09	3.60E-04	8.40E-03
ENSG00000142627	EPHA2	1	16124337	16156069	31732	protein coding	-1.09	8.86E-04	1.50E-02
ENSG00000120549	KIAA1217	10	23694746	24547848	853102	protein coding	-1.09	8.88E-04	1.50E-02
ENSG00000233639	PANTR1	2	104794848	1.05E+08	58335	lncRNA	-1.09	4.79E-03	4.07E-02
ENSG00000211786	TRAV8-2	14	21846537	21847221	684	TR V gene	-1.09	2.11E-03	2.50E-02
ENSG00000287454	AC008149.2	12	96229563	96235650	6087	lncRNA	-1.09	1.81E-04	5.40E-03
ENSG00000286084	AL096794.1	6	105403207	1.06E+08	185595	RNA-bidirectional promoter lncRNA	-1.09	5.81E-03	4.56E-02
ENSG00000201358	RN7SKP193	14	50068568	50068873	305	misc RNA	-1.10	5.94E-03	4.62E-02
ENSG00000091128	LAMB4	7	108023548	1.08E+08	106813	protein coding	-1.10	5.77E-03	4.54E-02
ENSG00000188501	LCTL	15	66547179	66565979	18800	protein coding	-1.10	5.31E-03	4.32E-02
ENSG00000149948	HMGGA2	12	65824460	65966291	141831	protein coding	-1.10	2.81E-04	7.13E-03
ENSG00000228061	AC131571.1	11	31618124	31767953	149829	lncRNA-antisense	-1.10	3.09E-03	3.13E-02
ENSG00000227733	AC239809.3	1	148159213	1.48E+08	95799	lncRNA	-1.10	3.21E-04	7.77E-03
ENSG00000226125	LINC01907	2	230690065	2.31E+08	10464	lncRNA	-1.10	5.16E-03	4.26E-02
ENSG00000213397	HAUS7	X	153447666	1.53E+08	47850	protein coding	-1.10	8.45E-04	1.45E-02
ENSG00000091137	SLC26A4	7	107660828	1.08E+08	56981	protein coding	-1.10	2.71E-03	2.91E-02
ENSG00000175147	TMEM51-AS1	1	15111815	15153618	41803	lncRNA-antisense	-1.10	2.47E-03	2.76E-02
ENSG00000241469	LINC00635	3	107840228	1.08E+08	42022	lncRNA	-1.10	1.80E-03	2.26E-02
ENSG00000119125	GDA	9	72114595	72257193	142598	protein coding	-1.10	5.91E-03	4.61E-02
ENSG00000124140	SLC12A5	20	46021690	46060150	38460	protein coding	-1.10	7.13E-04	1.31E-02
ENSG00000204603	LINC01257	12	131165011	1.31E+08	67929	lncRNA	-1.10	4.99E-03	4.17E-02
ENSG00000287005	AC90018.2	3	195260632	1.95E+08	2996	lncRNA	-1.10	2.35E-03	2.68E-02
ENSG00000134917	ADAMT58	11	130404923	1.3E+08	23686	protein coding	-1.10	3.69E-03	3.51E-02
ENSG00000253364	COPDA1	14	105647924	1.06E+08	1133	lncRNA	-1.10	4.58E-03	3.98E-02
ENSG00000160282	FTCD	21	46136262	46155579	19317	protein coding	-1.10	4.88E-04	1.02E-02
ENSG00000165124	SVEP1	9	110365248	1.11E+08	214632	protein coding	-1.10	1.51E-03	2.04E-02
ENSG00000121653	MAPK8IP1	11	45885651	45906465	20814	protein coding	-1.10	8.87E-04	1.50E-02
ENSG00000254092	AC021613.1	8	20942863	21298168	355305	lncRNA	-1.10	9.92E-05	3.69E-03
ENSG00000163810	TGM4	3	44874608	44914990	40382	protein coding	-1.10	3.55E-03	3.43E-02
ENSG00000164669	INTS4P1	7	65141032	65234216	93184	transcribed unprocessed pseudogene	-1.10	3.39E-03	3.32E-02
ENSG00000237720	AC011995.2	2	2707368	2840512	133144	lncRNA	-1.11	2.81E-03	2.98E-02
ENSG00000165194	PCDH19	X	100291644	1E+08	118629	protein coding	-1.11	1.51E-03	2.04E-02
ENSG00000241288	LINC02614	3	125827238	1.26E+08	89146	lncRNA	-1.11	1.75E-05	1.06E-03
ENSG00000235760	MSH2-OT1	2	47527008	47535199	8191	lncRNA-antisense	-1.11	6.72E-03	4.96E-02
ENSG00000237596	AL138828.1	6	135991936	1.36E+08	233815	lncRNA-antisense	-1.11	1.17E-03	1.76E-02
ENSG00000273297	AC009275.1	7	134368737	1.34E+08	63797	lncRNA	-1.11	3.93E-03	3.65E-02
ENSG00000185313	SCN10A	3	38696802	38816286	119484	protein coding	-1.11	1.75E-03	2.22E-02
ENSG00000148053	NTRK2	9	84688551	85027054	358503	protein coding	-1.11	5.40E-04	1.09E-02
ENSG00000259097	AL163931.1	14	98068161	98205143	136982	lncRNA	-1.11	2.58E-03	2.83E-02
ENSG00000283828	AL137002.2	13	113149432	1.13E+08	4570	lncRNA-antisense	-1.11	4.64E-03	4.00E-02
ENSG00000197702	PARVA	11	12377563	12535356	157793	protein coding	-1.11	2.66E-04	6.86E-03
ENSG00000062524	LTK	15	41503637	41513887	10250	protein coding	-1.11	8.49E-06	6.34E-04
ENSG00000230461	PROX1-AS1	1	213817751	2.14E+08	170757	lncRNA	-1.11	2.40E-03	2.71E-02
ENSG00000261170	AC009053.3	16	74422120	74441937	19817	lncRNA-antisense	-1.11	6.67E-03	4.94E-02
ENSG00000238099	LINC01625	6	139435636	1.39E+08	39022	lncRNA	-1.11	5.97E-03	4.63E-02
ENSG00000133519	ZDHHC8P1	22	23390606	23402722	12120	transcribed unprocessed pseudogene	-1.11	4.10E-03	3.74E-02
ENSG00000149633	KIAA1755	20	38210503	38260776	50269	protein coding	-1.11	1.10E-03	1.69E-02
ENSG00000269473	AC012313.8	19	58440448	58445849	5401	lncRNA	-1.11	4.92E-03	4.13E-02
ENSG00000158865	SLC5A11	16	24845841	24911628	65787	protein coding	-1.11	1.34E-03	1.91E-02
ENSG00000064787	BCAS1	20	53936777	54070594	133817	protein coding	-1.11	5.13E-04	1.06E-02
ENSG00000121446	RGS11	1	182409192	1.83E+08	151407	protein coding	-1.11	9.55E-04	1.57E-02
ENSG00000198046	TRP67	19	56439325	56478065	38740	protein coding	-1.11	5.49E-04	1.10E-02
ENSG00000135740	SLC9A5	16	67237683	67272191	34508	protein coding	-1.11	1.91E-04	5.57E-03
ENSG00000215160	OR7E122P	3	8682943	8693701	10758	transcribed unprocessed pseudogene	-1.11	4.68E-03	4.02E-02
ENSG00000135931	ARMC9	2	231198546	2.31E+08	178302	protein coding	-1.11	1.60E-04	4.99E-03
ENSG00000078898	BPIFB2	20	33007704	33023703	15999	protein coding	-1.11	4.34E-03	3.85E-02
ENSG00000073670	ADAM11	17	44758988	44781846	22858	protein coding	-1.11	4.59E-04	9.79E-03
ENSG00000186976	EFCAB6	22	43528744	43812337	283593	protein coding	-1.11	9.17E-05	3.52E-03
ENSG00000172296	SPTLC3	20	13008972	13169103	160131	protein coding	-1.11	4.45E-04	9.58E-03
ENSG00000231817	LINC01198	13	46455131	46515958	60827	lncRNA	-1.12	5.68E-03	4.50E-02
ENSG00000230592	RPSAP8	X	100155885	1E+08	888	processed pseudogene	-1.12	1.21E-03	1.79E-02
ENSG00000069018	TRPC7	5	136212745	1.36E+08	152800	protein coding	-1.12	5.19E-03	4.27E-02
ENSG00000283380	AL807742.1	X	20769718	21374265	604547	lncRNA	-1.12	4.38E-03	3.86E-02
ENSG00000141448	GATA6	18	22169589	22202528	32939	protein coding	-1.12	4.29E-03	3.83E-02
ENSG00000151572	ANO4	12	100717526	1.01E+08	411115	protein coding	-1.12	1.77E-03	2.24E-02
ENSG00000237232	ZNF295-AS1	21	42009194	42055130	45936	lncRNA	-1.12	8.02E-04	1.41E-02
ENSG00000170485	NPAS2	2	100820139	1.01E+08	176690	protein coding	-1.12	1.25E-05	8.36E-04
ENSG00000283529	AL035685.1	20	49318337	49441654	123317	transcribed unprocessed pseudogene	-1.12	7.84E-04	1.38E-02
ENSG00000257307	AL162311.2	14	35881001	35881709	708	processed pseudogene	-1.12	5.74E-03	4.53E-02
ENSG00000075035	WSDC2	12	108129288	1.08E+08	121249	protein coding	-1.12	2.96E-04	7.41E-03
ENSG00000132854	KANAK4	1	62236165	62319434	83269	protein coding	-1.12	1.66E-03	2.16E-02
ENSG00000144061	NPHP1	2	110122311	1.1E+08	82755	protein coding	-1.12	4.45E-04	9.58E-03
ENSG00000184937	WT1	11	32387775	32435564	47789	protein coding	-1.12	2.03E-03	2.44E-02
ENSG00000214353	VAC14-AS1	16	70755035	70773251	18216	lncRNA-antisense	-1.12	1.33E-04	4.45E-03
ENSG00000241449	AC092666.1	7	150033653	1.5E+08	43002	lncRNA	-1.12	2.54E-03	2.81E-02
ENSG00000205054	LINC01121	2	45164816	45323397	158581	lncRNA	-1.12	1.01E-03	1.62E-02
ENSG00000171772	SYCE1	10	133553901	1.34E+08	15934	protein coding	-1.12	2.21E-03	2.59E-02
ENSG00000171790	SLFN1	1	41015597	41023237	7640	protein coding	-1.12	1.68E-04	5.14E-03
ENSG00000166159	LRTM2	12	1820267	1836753	16486	protein coding	-1.12	4.13E-03	3.76E-02
ENSG00000237667	LINC01115	2	779840	868608	88768	lncRNA	-1.12	7.05E-05	2.92E-03
ENSG00000184507	NUTM1	15	34343315	34357737	14422	protein coding	-1.12	6.51E-03	4.87E-02
ENSG00000101638	ST8SIA5	18	46667821	46759257	91436	protein coding	-1.12	5.90E-05	2.58E-03
ENSG00000184194	GPR173	X	53048789	53080615	31826	protein coding	-1.12	3.80E-03	3.57E-02
ENSG00000255248	MIR100HG	11	122028325	1.23E+08	528396	lncRNA	-1.12	4.31E-05	2.09E-03
ENSG00000260423	LINC02367	12	9347056	9400387	53331	lncRNA	-1.13	1.54E-03	2.07E-02
ENSG00000105559	PLEKHA4	19	48837097	48868617	31520	protein coding	-1.13	1.84E-03	2.29E-02
ENSG00000250634	LINC01182	4	13654374	14003756	349382	lncRNA	-1.13	5.36E-03	4.34E-02

ENSG00000264589	MAPT-AS1	17	45799390	45895680	96290	lncRNA-antisense	-1.13	2.06E-03	2.46E-02
ENSG00000146648	EGFR	7	55019017	55211628	192611	protein coding	-1.13	7.51E-04	1.35E-02
ENSG00000227036	LINC00511	17	72290091	72640472	350381	lncRNA	-1.13	2.59E-06	2.45E-04
ENSG00000221539	SNORD99	1	28578749	28578822	73	snoRNA	-1.13	4.29E-06	3.69E-04
ENSG00000180347	ITPRD1	7	31514071	31658720	144649	protein coding	-1.13	2.38E-03	2.70E-02
ENSG00000273674	AC021752.1	15	50839875	50908603	68728	lncRNA	-1.13	3.22E-03	3.22E-02
ENSG00000242686	PDE6B-AS1	4	652850	656213	3363	lncRNA-antisense	-1.13	2.15E-03	2.54E-02
ENSG00000171303	KCNK3	2	26692690	26733420	40730	protein coding	-1.13	2.58E-03	2.83E-02
ENSG00000163638	ADAMTS9	3	64515654	64688000	172346	protein coding	-1.13	3.22E-03	3.22E-02
ENSG00000169181	GSG1L	16	27787528	28063714	276186	protein coding	-1.13	2.16E-03	2.55E-02
ENSG00000141519	CCDC40	17	80036632	80100613	63981	protein coding	-1.13	3.21E-03	3.22E-02
ENSG00000225465	RFPL1S	22	29436534	29478868	42334	lncRNA-antisense	-1.13	6.10E-05	2.63E-03
ENSG00000057593	F7	13	113105788	1.13E+08	14897	protein coding	-1.13	3.90E-03	3.63E-02
ENSG00000134873	CLDN10	13	95433604	95579759	146155	protein coding	-1.13	6.20E-03	4.73E-02
ENSG00000144452	ABCA12	2	214931542	2.15E+08	207084	protein coding	-1.13	3.31E-03	3.28E-02
ENSG00000286708	AP003783.1	11	70886090	70896305	10215	lncRNA	-1.13	4.97E-03	4.16E-02
ENSG00000234899	SOX9-AS1	17	72067099	72237203	170104	lncRNA	-1.13	5.18E-04	1.06E-02
ENSG00000204764	RANBP17	5	170861870	1.71E+08	438145	protein coding	-1.13	1.49E-03	2.03E-02
ENSG00000250802	ZBED3-AS1	5	77086688	77166909	80221	lncRNA-antisense	-1.13	7.07E-06	5.49E-04
ENSG00000228252	COL6A4P2	3	130212823	1.3E+08	60983	transcribed unitary pseudogene	-1.13	2.97E-03	3.07E-02
ENSG00000165695	AK8	9	132725578	1.33E+08	153199	protein coding	-1.13	6.14E-04	1.19E-02
ENSG00000254519	AC044839.1	11	45722279	45748029	25750	lncRNA	-1.14	6.94E-04	1.28E-02
ENSG00000144730	IL17RD	3	57089982	57170306	80324	protein coding	-1.14	1.80E-03	2.26E-02
ENSG00000258785	LINC01580	15	93894431	93984150	89719	lncRNA	-1.14	3.82E-03	3.59E-02
ENSG00000204248	COL11A2	6	33162681	33192499	29818	protein coding	-1.14	4.29E-05	2.08E-03
ENSG00000103460	TOX3	16	52436417	52547802	111385	protein coding	-1.14	6.39E-03	4.81E-02
ENSG00000172379	ARNT2	15	80404350	80597933	193583	protein coding	-1.14	4.52E-04	9.69E-03
ENSG00000230133	LINC01721	20	24063255	24226013	162758	lncRNA	-1.14	3.26E-03	3.24E-02
ENSG00000279217	Z95114.1	22	36071000	36085573	14573	lncRNA	-1.14	1.63E-03	2.13E-02
ENSG00000187908	DMBT1	10	122560665	1.23E+08	83071	protein coding	-1.14	2.85E-04	7.22E-03
ENSG00000116329	OPRD1	1	28812142	28871267	59125	protein coding	-1.14	3.78E-03	3.56E-02
ENSG00000166073	GPR176	15	39799008	39920266	121258	protein coding	-1.14	3.69E-03	3.51E-02
ENSG00000134376	CRB1	1	197268204	1.97E+08	210251	protein coding	-1.14	7.03E-05	2.91E-03
ENSG00000110900	TSPAN11	12	30926428	30996602	70174	protein coding	-1.14	1.66E-03	2.16E-02
ENSG00000101871	MID1	X	10445310	10833654	388344	protein coding	-1.14	5.48E-04	1.10E-02
ENSG00000166510	CCDC68	18	54901509	54959461	57952	protein coding	-1.14	6.22E-03	4.74E-02
ENSG00000139445	FOXN4	12	109277978	1.09E+08	31306	protein coding	-1.14	4.04E-03	3.71E-02
ENSG00000279278	AC245060.6	22	22264601	22273020	8419	lncRNA	-1.14	4.83E-04	1.01E-02
ENSG00000104332	SFRP1	8	41261962	41309473	47511	protein coding	-1.14	6.55E-03	4.89E-02
ENSG00000245694	CRNDE	16	54845189	54929189	84000	lncRNA	-1.14	1.31E-03	1.88E-02
ENSG00000233395	LINC00841	10	43909244	43981102	71858	lncRNA	-1.14	1.87E-03	2.31E-02
ENSG00000203896	LIME1	20	63736283	63739103	2820	protein coding	-1.14	3.98E-03	3.68E-02
ENSG00000207041	RNU6-3P	X	141118030	1.41E+08	106	snRNA	-1.15	1.26E-04	4.31E-03
ENSG00000268257	AIRN	6	160003291	1.6E+08	4373	lncRNA-antisense	-1.15	1.09E-03	1.69E-02
ENSG00000279249	AC007614.1	16	49282021	49350504	68483	lncRNA-antisense	-1.15	2.30E-05	1.30E-03
ENSG00000269113	TRABD2B	1	47760528	47997385	236857	protein coding	-1.15	2.71E-03	2.91E-02
ENSG00000284745	AL589702.1	1	2960658	2968707	8049	lncRNA	-1.15	6.51E-03	4.87E-02
ENSG00000166923	GREM1	15	32718004	32745106	27102	protein coding	-1.15	3.85E-04	8.79E-03
ENSG00000237339	LINC01502	9	135574935	1.36E+08	12177	lncRNA	-1.15	1.06E-03	1.65E-02
ENSG00000070915	SLC12A3	16	56865207	56915850	50643	protein coding	-1.15	3.16E-04	7.71E-03
ENSG00000148082	SHC3	9	89005771	89178818	173047	protein coding	-1.15	1.31E-04	4.41E-03
ENSG00000279712	FP325330.3	22	47916728	47926264	9536	lncRNA	-1.15	1.26E-03	1.84E-02
ENSG00000153930	ANKFN1	17	55882301	56511659	629358	protein coding	-1.15	7.22E-04	1.32E-02
ENSG00000246308	AC116535.1	11	10809204	10822931	13727	lncRNA-antisense	-1.15	4.06E-03	3.72E-02
ENSG00000112562	SMOC2	6	168441151	1.69E+08	232294	protein coding	-1.15	1.98E-03	2.40E-02
ENSG00000176601	MAP3K19	2	134964485	1.35E+08	82983	protein coding	-1.15	2.14E-03	2.53E-02
ENSG00000230453	ANKRD18B	9	33524394	33573009	48615	protein coding	-1.15	3.98E-03	3.68E-02
ENSG00000184012	TMPRSS2	21	41464300	41531116	66816	protein coding	-1.15	1.44E-03	1.98E-02
ENSG00000076344	RGS11	16	268301	275980	7679	protein coding	-1.15	5.07E-03	4.21E-02
ENSG00000157653	C9orf43	9	113410054	1.13E+08	19636	protein coding	-1.15	2.46E-03	2.76E-02
ENSG00000184809	B3GAL15-AS1	21	39597147	39612910	15763	lncRNA-antisense	-1.15	1.61E-03	2.12E-02
ENSG00000278685	IQCA1L	7	151190873	1.51E+08	14623	protein coding	-1.15	1.69E-03	2.18E-02
ENSG00000169684	CHRNA5	15	78565520	78595269	29749	protein coding	-1.15	2.46E-04	6.53E-03
ENSG00000281912	LINC01144	1	45303910	45305619	1709	lncRNA	-1.15	4.31E-03	3.84E-02
ENSG00000172900	ACTE1P	11	71382601	71423423	40822	transcribed unitary pseudogene	-1.15	1.36E-03	1.92E-02
ENSG00000077935	SMC1B	22	45344063	45413619	69556	protein coding	-1.16	5.25E-04	1.07E-02
ENSG00000268926	AL354861.3	9	95772323	95776282	3959	lncRNA	-1.16	6.48E-03	4.85E-02
ENSG00000100170	SLC5A1	22	32043261	32113029	69768	protein coding	-1.16	3.52E-03	3.41E-02
ENSG00000229205	LINC02020	10	1159768	1289426	129658	lncRNA	-1.16	9.97E-04	1.60E-02
ENSG00000112499	SLC22A2	6	160171061	1.6E+08	106577	protein coding	-1.16	2.89E-03	3.02E-02
ENSG00000121904	CSMD2	1	33513999	34165842	651843	protein coding	-1.16	2.44E-04	6.51E-03
ENSG00000168398	BDKRB2	14	96204679	96244166	39487	protein coding	-1.16	5.19E-03	4.27E-02
ENSG00000104967	NOVA2	19	45933734	45974044	40310	protein coding	-1.16	6.73E-03	4.96E-02
ENSG00000227855	DPY19L2P3	7	29650227	29742594	92367	transcribed unprocessed pseudogene	-1.16	3.33E-03	3.29E-02
ENSG00000260034	LCMT1-AS2	16	25140577	25149032	8455	lncRNA-antisense	-1.16	2.04E-03	2.45E-02
ENSG00000196263	ZNF471	19	56507850	56530221	22371	protein coding	-1.16	1.00E-03	1.61E-02
ENSG00000280159	AC016583.1	5	54643557	54645987	2430	TEC	-1.16	1.08E-03	1.67E-02
ENSG00000239887	C1orf226	1	162378841	1.62E+08	7971	protein coding	-1.16	6.65E-04	1.25E-02
ENSG00000137766	UNC13C	15	53978201	54633414	655213	protein coding	-1.16	1.74E-03	2.21E-02
ENSG00000214770	AL161756.1	14	64329431	64338639	9208	lncRNA-antisense	-1.16	1.48E-03	2.02E-02
ENSG00000101670	LIFP	18	49560699	49599185	38486	protein coding	-1.16	1.55E-04	4.89E-03
ENSG00000149380	PHA3	11	74235801	74311640	75839	protein coding	-1.16	4.90E-03	4.13E-02
ENSG00000273032	DGCR5	22	18970439	19031242	60803	lncRNA	-1.16	4.58E-04	9.77E-03
ENSG00000174527	MYO1H	12	109347903	1.09E+08	107620	protein coding	-1.16	1.02E-03	1.63E-02
ENSG00000264958	ALOX12P1	17	30529688	30542416	12728	unprocessed pseudogene	-1.16	6.20E-04	1.20E-02
ENSG00000153558	FBXL2	3	33277025	33403662	126637	protein coding	-1.17	1.74E-04	5.29E-03
ENSG00000112394	SLC16A10	6	111087503	1.11E+08	143691	protein coding	-1.17	7.23E-05	2.95E-03

ENSG00000178722	C5orf64	5	61610424	61793401	182977	lncRNA	-1.17	3.49E-04	8.24E-03
ENSG00000249738	AC008691.1	5	159310745	1.6E+08	494791	lncRNA-antisense	-1.17	9.61E-05	3.63E-03
ENSG00000103599	IQCH	15	67254786	67502260	247474	protein coding	-1.17	1.54E-04	4.88E-03
ENSG00000122133	PAEP	9	135561756	1.36E+08	5199	protein coding	-1.17	5.03E-03	4.19E-02
ENSG00000205795	CYS1	2	10056780	10080944	24164	protein coding	-1.17	6.44E-03	4.83E-02
ENSG00000182704	TSKU	11	76782251	76798153	15902	protein coding	-1.17	5.52E-03	4.43E-02
ENSG00000143512	HHP1L2	1	222522258	2.23E+08	25846	protein coding	-1.17	1.03E-03	1.63E-02
ENSG00000259234	ANKRD34C-AS1	15	79141939	79283949	142010	lncRNA	-1.17	3.64E-03	3.48E-02
ENSG00000163749	CCDC158	4	76312997	76421868	108871	protein coding	-1.17	6.53E-03	4.88E-02
ENSG00000128052	KDR	4	55078481	55125595	47114	protein coding	-1.17	2.08E-04	5.86E-03
ENSG00000204291	COL15A1	9	98943179	99070792	127613	protein coding	-1.17	1.03E-04	3.77E-03
ENSG00000161850	KRT82	12	52393931	52406335	12404	protein coding	-1.17	3.78E-03	3.56E-02
ENSG00000160882	CYP11B1	8	142872356	1.43E+08	7490	protein coding	-1.17	1.31E-03	1.88E-02
ENSG00000163624	CDS1	4	84583127	84651334	68207	protein coding	-1.17	1.61E-03	2.12E-02
ENSG00000232633	AC079465.1	5	113323028	1.13E+08	114146	lncRNA-antisense	-1.17	5.80E-03	4.56E-02
ENSG00000278987	AL031009.1	16	1688355	1690536	2181	TEC	-1.17	1.96E-03	1.93E-02
ENSG00000163873	GRIK3	1	36795527	37034515	238988	protein coding	-1.17	5.16E-03	4.26E-02
ENSG00000203650	LINC01285	X	118839539	1.19E+08	80130	lncRNA	-1.17	5.12E-03	4.23E-02
ENSG00000169344	UMOD	16	20333052	20356301	23249	protein coding	-1.17	2.51E-03	2.79E-02
ENSG00000130368	MAS1	6	159890988	1.6E+08	26459	protein coding	-1.17	6.11E-03	4.69E-02
ENSG00000249896	LINC02495	4	6200733	6239937	39204	inscribed unprocessed pseudogene	-1.17	2.09E-04	5.89E-03
ENSG00000007216	SLC13A2	17	28473293	28497781	24488	protein coding	-1.18	3.06E-03	3.12E-02
ENSG00000185736	ADARB2	10	1177313	1737525	560212	protein coding	-1.18	1.79E-04	5.36E-03
ENSG00000225556	C2CD4D	1	151837819	1.52E+08	2738	protein coding	-1.18	2.74E-03	2.93E-02
ENSG00000186628	FSD2	15	82755362	82806070	50708	protein coding	-1.18	3.17E-04	7.71E-03
ENSG00000156486	KCNS2	8	98426958	98432853	5895	protein coding	-1.18	2.87E-03	3.01E-02
ENSG00000156218	ADAMTSL3	15	83654088	84039842	385754	protein coding	-1.18	1.71E-04	5.21E-03
ENSG00000257495	KRT73-AS1	12	52601467	52615305	13838	lncRNA-antisense	-1.18	5.06E-04	1.05E-02
ENSG00000149452	SLC22A8	11	62989154	63015841	26687	protein coding	-1.18	2.24E-03	2.61E-02
ENSG00000157782	CABP1	12	120640552	1.21E+08	26772	protein coding	-1.18	1.47E-03	2.02E-02
ENSG00000274253	AC138649.1	15	22757841	22778741	20900	lncRNA-sense overlapping	-1.18	2.09E-03	2.49E-02
ENSG00000267252	LINC01255	18	11486205	11523087	36882	lncRNA	-1.18	2.57E-03	2.82E-02
ENSG00000287268	AL050350.1	6	110341973	1.1E+08	12590	lncRNA	-1.18	4.72E-03	4.03E-02
ENSG00000054938	CHRD12	11	74696429	74731426	34997	protein coding	-1.18	2.45E-03	2.75E-02
ENSG00000162493	PDPN	1	13583465	13617957	34492	protein coding	-1.18	3.79E-03	3.57E-02
ENSG00000167281	RBFOX3	17	79089345	79516148	426803	protein coding	-1.18	1.35E-03	1.91E-02
ENSG00000094755	GABRP	5	170763350	1.71E+08	50697	protein coding	-1.18	1.38E-03	1.94E-02
ENSG00000236467	KCNMA1-AS1	10	76888044	76980624	92580	lncRNA-antisense	-1.18	1.83E-03	2.28E-02
ENSG00000108602	ALDH3A1	17	19737984	19748943	10959	protein coding	-1.18	1.88E-03	2.32E-02
ENSG00000183242	WT1-AS	11	32435518	32458769	23251	lncRNA-bidirectional promoter lncRNA	-1.18	4.05E-03	3.71E-02
ENSG00000286366	AC005052.2	X	119791971	1.2E+08	18978	lncRNA	-1.18	1.75E-03	2.22E-02
ENSG00000249464	LINC01091	4	123539026	1.24E+08	423672	lncRNA	-1.18	1.59E-03	2.10E-02
ENSG00000203697	CAPN8	1	223538007	2.24E+08	127716	protein coding	-1.18	2.10E-04	5.91E-03
ENSG00000159289	GOLGA6A	15	74069857	74082550	12693	protein coding	-1.18	3.45E-03	3.36E-02
ENSG00000159337	PLA2G4D	15	42067009	42094562	27553	protein coding	-1.18	2.67E-03	2.88E-02
ENSG00000197253	TPSB2	16	1227272	1230184	2912	protein coding	-1.18	4.36E-03	3.86E-02
ENSG00000131260	ANO1	11	70078302	70189528	111226	protein coding	-1.19	7.93E-04	1.39E-02
ENSG00000136011	STAB2	12	103587273	1.04E+08	179446	protein coding	-1.19	3.92E-04	8.90E-03
ENSG00000188659	SAXO2	15	82262810	82284930	22120	protein coding	-1.19	1.15E-03	1.74E-02
ENSG00000136895	GARNL3	9	127224265	1.27E+08	169395	protein coding	-1.19	4.29E-06	3.69E-04
ENSG00000205634	LINC00898	22	47612231	47631569	19338	lncRNA	-1.19	3.69E-03	3.51E-02
ENSG00000158966	CACHD1	1	64470129	64693058	222929	protein coding	-1.19	9.08E-06	6.69E-04
ENSG00000157103	SLC6A1	3	10992186	11039247	47061	protein coding	-1.19	1.99E-04	5.71E-03
ENSG00000198838	RYR3	15	33310962	33866121	555159	protein coding	-1.19	1.13E-06	1.23E-04
ENSG00000188316	ENR4	10	116849499	1.17E+08	62289	protein coding	-1.19	5.64E-03	4.48E-02
ENSG00000132915	PDE6A	5	149857953	1.5E+08	86840	protein coding	-1.19	5.88E-03	4.60E-02
ENSG00000110427	KIAA1549L	11	33376108	33674102	297994	protein coding	-1.19	9.30E-05	3.54E-03
ENSG00000132561	MATN2	8	97868840	98036724	167884	protein coding	-1.19	8.53E-04	1.46E-02
ENSG00000172519	OR10H5	19	15787661	15801025	13364	protein coding	-1.19	5.05E-03	4.20E-02
ENSG00000166450	PRTG	15	55611544	55743152	131608	protein coding	-1.19	4.76E-05	2.24E-03
ENSG00000235979	AC004448.2	17	19417769	19492991	75222	lncRNA	-1.19	6.20E-03	4.73E-02
ENSG00000132554	RGS22	8	99960936	1E+08	170332	protein coding	-1.19	1.76E-04	5.32E-03
ENSG00000225683	PACRG-AS3	6	163163830	1.63E+08	28208	lncRNA-antisense	-1.19	1.62E-03	2.12E-02
ENSG00000144369	FAM171B	2	186694060	1.87E+08	71899	protein coding	-1.19	2.42E-03	2.73E-02
ENSG00000181333	HEP1L1	11	94021354	94114208	92854	protein coding	-1.19	2.75E-03	2.94E-02
ENSG00000165633	VSTM4	10	49014236	49115522	101286	protein coding	-1.19	1.89E-03	2.33E-02
ENSG00000254656	RTL1	14	100879753	1.01E+08	23969	protein coding	-1.19	1.87E-03	2.31E-02
ENSG00000287950	AC009432.2	15	94455469	94550572	95103	lncRNA	-1.19	2.34E-03	2.67E-02
ENSG00000224271	AL117329.1	22	47630827	48023004	392177	lncRNA	-1.19	9.84E-05	3.68E-03
ENSG00000272150	NBPF25P	1	145572345	1.46E+08	35513	inscribed unprocessed pseudogene	-1.19	9.43E-06	6.84E-04
ENSG00000135373	EHF	11	34621093	34663288	42195	protein coding	-1.19	3.92E-04	8.90E-03
ENSG00000143036	SLC44A3	1	94820342	94895246	74904	protein coding	-1.19	6.76E-03	4.97E-02
ENSG00000102024	PLS3	X	115561174	1.16E+08	89687	protein coding	-1.19	6.70E-03	4.95E-02
ENSG00000166573	GALR1	18	77249848	77277900	28052	protein coding	-1.20	2.67E-03	2.88E-02
ENSG00000137809	ITGA11	15	68296532	68432163	135631	protein coding	-1.20	1.54E-04	4.88E-03
ENSG00000258535	AL079307.1	14	51765276	51825422	60146	lncRNA-sense overlapping	-1.20	6.59E-03	4.91E-02
ENSG00000267053	AC092296.2	19	36304564	36321274	16710	lncRNA	-1.20	1.80E-03	2.11E-02
ENSG00000232265	LINC02805	1	148156139	1.48E+08	30841	lncRNA	-1.20	2.16E-03	2.55E-02
ENSG00000140538	NTRK3	15	87859751	88256768	397017	protein coding	-1.20	1.01E-06	1.13E-04
ENSG00000203987	AL772363.1	9	137867925	1.38E+08	24645	lncRNA-antisense	-1.20	2.10E-03	2.50E-02
ENSG00000234722	LINC01287	7	153355365	1.53E+08	58620	lncRNA	-1.20	5.88E-04	1.15E-02
ENSG00000110169	HPX	11	6431049	6442617	11568	protein coding	-1.20	3.66E-03	3.50E-02
ENSG00000214043	LINC02347	12	126438837	1.26E+08	33953	lncRNA	-1.20	3.09E-03	3.14E-02
ENSG00000165685	TMEM52B	12	10170542	10191801	21259	protein coding	-1.20	5.61E-03	4.47E-02
ENSG00000147206	NXF3	X	103075810	1.03E+08	17333	protein coding	-1.20	3.99E-03	3.68E-02
ENSG00000228793	AL033523.1	6	3585101	3720081	134980	lncRNA	-1.20	1.75E-04	5.30E-03
ENSG00000185250	PPL6	6	109390215	1.09E+08	50956	protein coding	-1.20	2.03E-03	2.44E-02

ENSG00000282419	TEX13D	X	124246249	1.24E+08	90614	protein coding	-1.20	3.65E-03	3.49E-02
ENSG00000287335	AL139351.3	20	48025245	48060271	35026	lncRNA	-1.20	5.37E-03	4.35E-02
ENSG00000230387	AL118508.1	20	23179272	23190419	11147	lncRNA	-1.20	2.61E-03	2.85E-02
ENSG00000287306	AC016821.1	10	69510166	69544257	34091	lncRNA	-1.20	5.53E-03	4.44E-02
ENSG00000185666	SYN3	22	32507820	33058381	550561	protein coding	-1.20	6.59E-05	2.78E-03
ENSG00000134042	MRO	18	50795120	50825402	30282	protein coding	-1.20	6.64E-03	4.93E-02
ENSG00000284606	AC105233.4	8	8059572	8199973	140401	lncRNA	-1.20	2.22E-04	6.10E-03
ENSG00000166257	SCN3B	11	123629187	1.24E+08	26057	protein coding	-1.21	3.70E-04	8.53E-03
ENSG00000257398	AC126177.3	12	107809483	1.08E+08	55079	lncRNA	-1.21	5.19E-03	4.27E-02
ENSG00000238212	LINC02096	17	14834557	14957216	122659	lncRNA	-1.21	5.58E-03	4.46E-02
ENSG00000126337	KRT36	17	41486136	41492546	6410	protein coding	-1.21	4.08E-03	3.73E-02
ENSG00000159495	TGM7	15	43276271	43302255	25984	protein coding	-1.21	3.56E-03	3.43E-02
ENSG00000283213	AC130466.1	16	22806289	22813680	7391	lncRNA	-1.21	5.38E-03	4.35E-02
ENSG00000229867	STEAP3-AS1	2	119244422	1.19E+08	26292	lncRNA-antisense	-1.21	1.20E-03	1.78E-02
ENSG00000236501	AC074286.1	2	176989418	1.77E+08	175238	lncRNA	-1.21	3.17E-03	3.19E-02
ENSG00000142910	TINAGL1	1	31576485	31587686	11201	protein coding	-1.21	6.89E-04	1.28E-02
ENSG00000224184	MIR3681HG	2	11833926	12702913	868987	lncRNA	-1.21	8.31E-04	1.44E-02
ENSG00000197653	DNAH10	12	123762188	1.24E+08	173532	protein coding	-1.21	5.84E-07	7.41E-05
ENSG00000185842	DNAH14	1	224896262	2.25E+08	503030	protein coding	-1.21	1.18E-06	1.29E-04
ENSG00000089250	NOS1	12	117208142	1.17E+08	244028	protein coding	-1.21	1.65E-04	5.09E-03
ENSG00000104722	NEFM	8	24913758	24919098	5340	protein coding	-1.21	2.57E-03	2.82E-02
ENSG00000235726	AC101148.1	2	234803808	2.35E+08	109576	lncRNA	-1.21	2.63E-03	2.86E-02
ENSG00000228110	ST13P19	1	210265636	2.1E+08	1605	processed pseudogene	-1.21	3.26E-03	3.24E-02
ENSG00000162267	ITIH3	3	52794768	52809009	14241	protein coding	-1.21	1.47E-03	2.01E-02
ENSG00000270885	RASL10B	17	35731639	35743521	11882	protein coding	-1.21	7.67E-04	1.36E-02
ENSG00000123901	GPR83	11	94377316	94401419	24103	protein coding	-1.21	2.32E-03	2.66E-02
ENSG00000137727	ARHGAP20	11	110577042	1.11E+08	136147	protein coding	-1.21	4.92E-04	1.02E-02
ENSG00000142621	FHAD1	1	15247272	15400283	153011	protein coding	-1.21	4.18E-07	5.64E-05
ENSG00000170537	TM7C	16	18983934	19063942	80008	protein coding	-1.21	4.36E-04	9.48E-03
ENSG00000255774	LINC02747	11	69475567	69481545	5978	lncRNA	-1.21	5.92E-03	4.61E-02
ENSG00000286125	AC006115.2	19	56669941	56823395	153454	lncRNA	-1.21	1.26E-04	4.31E-03
ENSG00000161270	NPHS1	19	35825372	35869287	43915	protein coding	-1.21	9.18E-04	1.53E-02
ENSG00000197565	COL4A6	X	108155607	1.08E+08	283890	protein coding	-1.21	4.12E-03	3.75E-02
ENSG00000166948	TGM6	20	2380901	2432753	51852	protein coding	-1.21	2.29E-03	2.64E-02
ENSG00000108852	MPP2	17	43875357	43909711	34354	protein coding	-1.21	1.52E-04	4.87E-03
ENSG00000243478	AOX2P	2	200738608	2.01E+08	55631	inscribed unprocessed pseudogene	-1.21	5.26E-03	4.30E-02
ENSG00000235054	LINC01777	1	4412027	4424689	12662	lncRNA	-1.21	1.74E-03	2.22E-02
ENSG00000128254	C22orf24	22	31925519	31945518	19999	lncRNA	-1.21	1.73E-04	5.25E-03
ENSG00000161940	BCL6B	17	7023050	7030290	7240	protein coding	-1.21	3.58E-03	3.45E-02
ENSG00000228021	AL158835.1	10	125683229	1.26E+08	26448	lncRNA	-1.21	4.71E-03	4.03E-02
ENSG00000166407	LMO1	11	8224309	8268716	44407	protein coding	-1.22	6.51E-03	4.87E-02
ENSG00000225511	LINC00475	9	92141298	92160114	18816	inscribed unprocessed pseudogene	-1.22	6.04E-03	4.66E-02
ENSG00000235033	DAAM2-AS1	6	39881804	39900071	18267	lncRNA-antisense	-1.22	1.64E-04	5.08E-03
ENSG00000177453	NIM1K	5	43192071	43280850	88779	protein coding	-1.22	2.99E-04	7.44E-03
ENSG00000254427	LINC02696	11	45355371	45367490	12119	lncRNA	-1.22	4.71E-05	2.23E-03
ENSG00000247809	NR2F2-AS1	15	96110040	96327361	217321	lncRNA-antisense	-1.22	8.78E-05	3.40E-03
ENSG00000273777	CEACAM20	19	44501677	44529788	28111	protein coding	-1.22	5.80E-03	4.56E-02
ENSG00000063438	AHRR	5	321759	438291	116532	protein coding	-1.22	4.27E-04	9.34E-03
ENSG00000183760	ACP7	19	39083913	39111493	27580	protein coding	-1.22	5.56E-03	4.46E-02
ENSG00000249593	AC011405.1	5	139012647	1.39E+08	38556	lncRNA-antisense	-1.22	3.73E-03	3.54E-02
ENSG00000261713	SSTR5-AS1	16	1064093	1078731	14638	lncRNA	-1.22	2.91E-03	3.03E-02
ENSG00000198203	SULT1C2	2	108288639	1.08E+08	21276	protein coding	-1.22	2.63E-03	2.86E-02
ENSG00000141934	PLPP2	19	281040	291403	10363	protein coding	-1.22	8.33E-04	1.44E-02
ENSG00000244405	ETV5	3	186046314	1.86E+08	64004	protein coding	-1.22	9.83E-05	3.68E-03
ENSG00000226571	AL592429.2	6	139271362	1.4E+08	395922	lncRNA-antisense	-1.22	1.12E-06	6.71E-04
ENSG00000137819	PAQR5	15	69298912	69407780	108868	protein coding	-1.22	3.82E-03	3.59E-02
ENSG00000286010	AC108925.1	8	127663280	1.28E+08	7710	lncRNA	-1.22	2.21E-05	1.26E-03
ENSG00000280109	PLAC4	21	41175231	41186788	11557	lncRNA-antisense	-1.22	1.54E-04	4.88E-03
ENSG00000173947	P1FO	1	111346600	1.11E+08	6413	protein coding	-1.22	5.03E-03	4.19E-02
ENSG00000168418	KCNG4	16	84218667	84239750	21083	protein coding	-1.22	1.42E-03	1.97E-02
ENSG00000143469	SYT14	1	209900923	2.1E+08	270466	protein coding	-1.22	1.92E-03	2.35E-02
ENSG00000166250	CLMP	11	123069872	1.23E+08	125376	protein coding	-1.22	1.29E-03	1.87E-02
ENSG00000153012	LG12	4	24998847	25030946	32099	protein coding	-1.23	2.99E-03	3.08E-02
ENSG00000277270	AL160412.1	20	61432868	61437630	4762	lncRNA	-1.23	3.64E-03	3.48E-02
ENSG00000126878	AIF1L	9	131096476	1.31E+08	26676	protein coding	-1.23	1.78E-03	2.25E-02
ENSG00000223561	AC005165.1	7	25593304	25751032	157728	lncRNA	-1.23	1.17E-04	4.11E-03
ENSG00000086717	PPEF1	X	18675909	18827921	152012	protein coding	-1.23	2.03E-03	2.44E-02
ENSG00000186510	CLCNKA	1	16018875	16034050	15175	protein coding	-1.23	6.75E-04	1.26E-02
ENSG00000157131	C8A	1	56854797	56918223	63426	protein coding	-1.23	3.28E-03	3.25E-02
ENSG00000277531	PNMA8C	19	46424697	46428951	4254	protein coding	-1.23	5.38E-03	4.35E-02
ENSG00000101463	SYNDIG1	20	24469629	24666616	196987	protein coding	-1.23	6.29E-03	4.78E-02
ENSG00000123094	RASSF8	12	25959029	26079892	120863	protein coding	-1.23	3.05E-03	3.11E-02
ENSG00000285707	AL008720.1	22	48254903	48259116	4213	lncRNA	-1.23	6.08E-03	4.68E-02
ENSG00000171903	CYP4F11	19	15912367	15934867	22500	protein coding	-1.23	6.32E-03	4.79E-02
ENSG00000007174	DNAH9	17	11598470	11969748	371278	protein coding	-1.23	1.17E-05	7.94E-04
ENSG00000133020	MYH8	17	10390322	10421950	31628	protein coding	-1.23	1.30E-03	1.88E-02
ENSG00000263745	AP005230.1	18	1883524	2489426	605902	lncRNA	-1.23	5.88E-03	4.60E-02
ENSG00000235049	LINC00940	12	1929202	1936574	7372	lncRNA	-1.23	3.15E-03	3.18E-02
ENSG00000140557	ST8SIA2	15	92393881	92468728	74847	protein coding	-1.23	1.34E-03	1.91E-02
ENSG00000259426	AC027237.3	15	69396904	69415029	18125	lncRNA-antisense	-1.23	5.73E-03	4.52E-02
ENSG00000261529	AC100774.1	15	25345633	25347235	1602	lncRNA-sense intronic	-1.23	1.71E-03	2.19E-02
ENSG00000239445	ST3GAL6-AS1	3	98706236	98732757	26521	lncRNA-antisense	-1.23	6.47E-04	1.23E-02
ENSG00000249628	LINC00942	12	1500525	1504424	3899	lncRNA	-1.24	6.23E-03	4.74E-02
ENSG00000249478	AC010307.3	5	133243764	1.33E+08	5017	lncRNA-antisense	-1.24	5.71E-03	4.51E-02
ENSG00000152670	DDX4	5	55738017	55817157	79140	protein coding	-1.24	4.14E-03	3.76E-02
ENSG00000183778	B3GALT5	21	39556442	39673137	116695	protein coding	-1.24	3.45E-04	8.21E-03
ENSG00000226659	AC021028.1	10	80529597	80535942	6345	lncRNA-antisense	-1.24	7.97E-06	6.08E-04

ENSG00000154639	CXADR	21	17513043	17593579	80536	protein coding	-1.24	6.23E-04	1.20E-02
ENSG00000170615	SLC26A5	7	103352730	1.03E+08	93477	protein coding	-1.24	5.34E-03	4.34E-02
ENSG00000158560	DYNC111	7	95772506	96110322	337816	protein coding	-1.24	4.04E-03	3.71E-02
ENSG00000152954	NRSN1	6	24126186	24154900	28714	protein coding	-1.24	4.44E-03	3.90E-02
ENSG00000214832	UPF3AP2	17	20375369	20376840	1471	transcribed processed pseudogene	-1.24	1.50E-03	2.04E-02
ENSG00000120820	GLT8D2	12	103988984	1.04E+08	75199	protein coding	-1.24	6.69E-03	4.94E-02
ENSG00000255769	GOLGA2P10	15	82472993	82513950	40957	transcribed unprocessed pseudogene	-1.24	2.17E-04	5.99E-03
ENSG00000257884	AL512310.7	14	19677837	19680104	2267	transcribed processed pseudogene	-1.24	2.56E-03	2.82E-02
ENSG00000154975	CA10	17	51630313	52160017	529704	protein coding	-1.24	1.64E-03	2.14E-02
ENSG00000250423	KIAA1210	X	119078635	1.19E+08	71944	protein coding	-1.24	5.88E-03	4.60E-02
ENSG00000214652	ZNF727	7	64045434	64085339	39905	protein coding	-1.24	1.26E-04	4.32E-03
ENSG00000267489	LINC01837	19	31797666	32072113	274447	lncRNA	-1.24	5.13E-04	1.06E-02
ENSG00000258702	AL137786.1	14	96592399	96605974	13575	lncRNA	-1.24	2.40E-03	2.71E-02
ENSG00000197748	CFAP43	10	104129888	1.04E+08	102476	protein coding	-1.24	9.13E-04	1.52E-02
ENSG00000119715	ESRRB	14	76310712	76501837	191125	protein coding	-1.24	3.05E-03	3.11E-02
ENSG00000153246	PLA2R1	2	159932006	1.6E+08	130609	protein coding	-1.24	4.27E-04	9.34E-03
ENSG00000224609	HSD52	1	59131932	59296491	164559	lncRNA	-1.24	1.14E-03	1.73E-02
ENSG00000259370	AC103740.1	15	62827675	62884034	56359	lncRNA-antisense	-1.24	4.91E-03	4.13E-02
ENSG00000275016	AC015574.1	15	95638316	95826499	188183	lncRNA	-1.24	1.04E-03	1.64E-02
ENSG00000285679	AC079142.1	X	7928443	8374386	445943	lncRNA-antisense	-1.24	6.79E-03	4.99E-02
ENSG00000188916	INSYNA	10	127135426	1.27E+08	61165	protein coding	-1.25	3.87E-03	3.61E-02
ENSG00000166473	PKD1L2	16	81100875	81220370	119495	polymorphic pseudogene	-1.25	4.05E-04	9.06E-03
ENSG00000246863	GPR176-DT	15	39921042	39925880	4838	lncRNA	-1.25	3.70E-03	3.52E-02
ENSG00000168491	CCDC110	4	185445182	1.85E+08	26570	protein coding	-1.25	5.38E-03	4.35E-02
ENSG00000254561	AP003393.1	11	119608423	1.2E+08	50861	lncRNA-antisense	-1.25	1.62E-03	2.12E-02
ENSG00000286733	LINC02348	15	101602786	1.02E+08	11745	lncRNA	-1.25	1.85E-04	5.46E-03
ENSG00000175745	NR2F1	5	93583222	93594611	11389	protein coding	-1.25	3.82E-03	3.59E-02
ENSG00000260714	AC133552.1	16	25015978	25021023	5045	processed pseudogene	-1.25	3.19E-03	3.20E-02
ENSG00000170091	NSG2	5	174045706	1.74E+08	197795	protein coding	-1.25	4.21E-03	3.80E-02
ENSG00000233321	LINC02669	10	3433508	3502915	69407	lncRNA	-1.25	1.42E-03	1.97E-02
ENSG00000168481	LG13	8	22146830	22157084	10254	protein coding	-1.25	1.43E-03	1.98E-02
ENSG00000174502	SLC26A9	1	205913048	2.06E+08	30412	protein coding	-1.25	1.16E-03	1.75E-02
ENSG00000130176	CNN1	19	11538767	11550323	11556	protein coding	-1.25	1.11E-04	3.95E-03
ENSG00000230010	AL049646.1	20	18289343	18359300	69957	lncRNA	-1.25	4.53E-03	3.95E-02
ENSG00000198300	PEG3	19	56810077	56840728	30651	protein coding	-1.25	7.97E-04	1.40E-02
ENSG00000245614	DDX11-AS1	12	31019434	31073847	54413	lncRNA-antisense	-1.25	1.92E-03	2.35E-02
ENSG00000261610	AP00265.1	21	32259804	32261585	1781	lncRNA	-1.25	4.71E-03	4.03E-02
ENSG00000258647	LINC00930	15	92567817	92574529	6712	lncRNA	-1.25	1.73E-03	2.21E-02
ENSG00000155761	SPAG17	1	117953590	1.18E+08	231638	protein coding	-1.25	3.96E-04	8.93E-03
ENSG00000177992	SPATA31E1	9	87882877	87888903	6026	protein coding	-1.25	4.26E-04	9.34E-03
ENSG00000198691	ABCA4	1	93992834	94121148	128314	protein coding	-1.25	1.04E-03	1.64E-02
ENSG00000183273	CCDC60	12	119334712	1.2E+08	206328	protein coding	-1.25	6.70E-03	4.95E-02
ENSG00000266573	AC018697.1	18	24725762	24986980	261218	lncRNA	-1.25	2.37E-03	2.69E-02
ENSG00000226792	C13orf42	13	51082119	51200252	118133	protein coding	-1.25	2.30E-03	2.65E-02
ENSG00000245768	AC106793.1	16	58733910	59199395	465485	lncRNA	-1.25	6.44E-03	4.83E-02
ENSG00000140093	SERPINA10	14	94280460	94293268	12808	protein coding	-1.25	5.19E-03	4.27E-02
ENSG0000007062	PROM1	4	15963076	16084378	121302	protein coding	-1.26	3.77E-04	8.66E-03
ENSG00000255346	NOX5	15	68930525	69062762	132237	protein coding	-1.26	1.66E-03	2.16E-02
ENSG00000123560	PLP1	X	103773718	1.04E+08	18901	protein coding	-1.26	6.29E-03	4.78E-02
ENSG00000129451	KLK10	19	51012739	51020175	7436	protein coding	-1.26	1.02E-03	1.63E-02
ENSG00000158055	GRHL3	1	24319357	24364482	45125	protein coding	-1.26	5.69E-03	4.50E-02
ENSG00000287677	AC025839.1	8	141581658	1.42E+08	80551	lncRNA	-1.26	7.45E-04	1.34E-02
ENSG00000136750	GAD2	10	26216665	26304558	87893	protein coding	-1.26	5.23E-04	1.07E-02
ENSG00000279685	MAPT-IT1	17	45895783	45898798	3015	lncRNA-sense intronic	-1.26	3.04E-03	3.10E-02
ENSG00000271447	MMP28	17	35756249	35795707	39458	protein coding	-1.26	5.31E-05	2.40E-03
ENSG00000274659	LINC02371	12	2740064	2746662	6598	lncRNA	-1.26	4.34E-03	3.85E-02
ENSG00000256612	CYP2B7P	19	40924219	40950660	26441	transcribed unprocessed pseudogene	-1.26	2.92E-03	3.03E-02
ENSG00000143520	FLG2	1	152348735	1.52E+08	11271	protein coding	-1.26	3.54E-04	8.32E-03
ENSG00000155530	LRGUK	7	134127299	1.34E+08	137292	protein coding	-1.26	2.87E-04	7.22E-03
ENSG00000173809	TDRD12	19	32719753	32829580	109827	protein coding	-1.26	1.63E-05	1.00E-03
ENSG00000137225	CAPN11	6	44158811	44184401	25590	protein coding	-1.26	1.16E-03	1.75E-02
ENSG00000233304	LINC01346	1	3940486	3955262	14776	lncRNA	-1.26	1.53E-03	2.06E-02
ENSG00000287514	AL450267.2	9	36779475	36830456	50981	lncRNA	-1.26	2.44E-04	6.51E-03
ENSG00000227115	LINC01630	18	51346249	51643939	297690	lncRNA	-1.26	5.99E-05	2.60E-03
ENSG00000071539	TRIP13	5	892884	919357	26473	protein coding	-1.26	3.83E-04	8.76E-03
ENSG00000126218	F10	13	113122799	1.13E+08	26730	protein coding	-1.26	1.53E-03	2.06E-02
ENSG00000087245	MMP2	16	55389700	55506691	116991	protein coding	-1.26	1.84E-03	2.29E-02
ENSG00000130829	DUSP9	X	153642492	1.54E+08	8834	protein coding	-1.26	5.60E-03	4.47E-02
ENSG00000148702	HABP2	10	113550837	1.14E+08	38765	protein coding	-1.27	8.19E-04	1.42E-02
ENSG00000174482	LINGO2	9	27948078	28670286	722208	protein coding	-1.27	2.47E-03	2.76E-02
ENSG00000214719	AC005562.1	17	30576464	30672789	96325	lncRNA	-1.27	2.91E-04	7.30E-03
ENSG00000279467	AP000350.8	22	23865248	23873277	8029	lncRNA-antisense	-1.27	1.60E-03	2.11E-02
ENSG00000095627	TDRD1	10	114179270	1.14E+08	53034	protein coding	-1.27	1.80E-03	2.26E-02
ENSG00000250986	LINC02600	4	3758748	3763390	4642	lncRNA	-1.27	2.53E-03	2.80E-02
ENSG00000142623	PADI1	1	17205128	17246007	40879	protein coding	-1.27	1.19E-03	1.78E-02
ENSG00000253311	LINC01847	5	159698586	1.6E+08	239180	lncRNA-antisense	-1.27	6.21E-03	4.74E-02
ENSG00000273111	LYPD4	19	41837074	41844697	7623	protein coding	-1.27	5.64E-03	4.48E-02
ENSG00000165863	C10orf82	10	116663696	1.17E+08	6568	protein coding	-1.27	4.05E-03	3.71E-02
ENSG00000170500	LONRF2	2	100271875	1E+08	50626	protein coding	-1.27	1.05E-04	3.82E-03
ENSG00000224081	SLC44A3-AS1	1	94613814	94855426	241612	transcribed processed pseudogene	-1.27	4.00E-05	1.97E-03
ENSG00000225868	AC016582.1	19	37823722	37855215	31493	transcribed unprocessed pseudogene	-1.27	4.58E-03	3.98E-02
ENSG00000124334	IL9R	X	155997581	1.56E+08	13326	protein coding	-1.27	1.32E-03	1.90E-02
ENSG00000141314	RHBDL3	17	32265832	32324659	58827	protein coding	-1.27	1.85E-03	2.29E-02
ENSG00000260071	AC012178.1	16	9365540	9518325	152785	lncRNA	-1.27	1.85E-03	2.30E-02
ENSG00000075429	CACNG5	17	66835117	66894751	59634	protein coding	-1.27	4.37E-04	9.48E-03
ENSG00000130950	NUTM2F	9	94318196	94328644	10448	protein coding	-1.27	1.97E-03	2.39E-02
ENSG00000234948	LINC01524	20	52192159	52670578	478419	lncRNA	-1.28	1.01E-05	7.23E-04

ENSG00000261420	AL022069.1	6	166383189	1.66E+08	1635	lncRNA-antisense	-1.28	4.26E-03	3.82E-02
ENSG00000170848	PSG6	19	42902086	42919563	17477	protein coding	-1.28	3.03E-03	3.10E-02
ENSG00000243710	CFAP57	1	43172330	43254358	82028	protein coding	-1.28	3.93E-04	8.90E-03
ENSG00000172320	OR5A1	11	59436469	59451380	14911	protein coding	-1.28	6.53E-03	4.88E-02
ENSG00000167139	TBC1D21	15	73873564	73889214	15650	protein coding	-1.28	2.93E-03	3.05E-02
ENSG00000166828	SCNN1G	16	23182745	23216883	34138	protein coding	-1.28	2.85E-03	3.00E-02
ENSG00000272595	OR10AH1P	7	5103719	5120245	16526	inscribed_unprocessed_pseudoge	-1.28	1.58E-03	2.10E-02
ENSG00000279085	AL022323.2	22	25009685	25015072	5387	lncRNA-antisense	-1.28	2.82E-03	2.98E-02
ENSG00000102678	FGF9	13	21671073	21704498	33425	protein coding	-1.28	3.67E-04	8.51E-03
ENSG00000039139	DNAH5	5	13690331	13944543	254212	protein coding	-1.28	8.22E-05	3.25E-03
ENSG00000138083	SIX3	2	44941702	44946071	4369	protein coding	-1.28	5.13E-03	4.24E-02
ENSG00000166359	WDR88	19	33132090	33175799	43709	protein coding	-1.28	6.64E-04	1.25E-02
ENSG00000236963	LINC01141	1	20360579	20431234	70655	lncRNA	-1.28	3.23E-03	3.23E-02
ENSG00000286326	Z95115.2	22	26597028	26611453	14425	lncRNA	-1.28	6.82E-04	1.27E-02
ENSG00000267779	LINC01533	19	32025808	32073809	48001	lncRNA	-1.28	2.02E-03	2.43E-02
ENSG00000164287	CDC20B	5	55112971	55173177	60206	protein coding	-1.28	2.66E-03	2.87E-02
ENSG00000237938	AL450998.2	1	15720312	15736896	16584	lncRNA-antisense	-1.28	4.15E-03	3.77E-02
ENSG00000201098	RNY1	7	148987136	1.49E+08	112	misc RNA	-1.28	1.61E-06	1.67E-04
ENSG00000270638	AL023806.1	6	145735570	1.46E+08	1648	lncRNA	-1.28	2.29E-04	6.22E-03
ENSG00000064218	DMRT3	9	976655	991732	15077	protein coding	-1.28	5.40E-03	4.36E-02
ENSG00000223646	AC002463.1	7	112616440	1.13E+08	280185	lncRNA	-1.29	1.33E-03	1.90E-02
ENSG00000212232	SNORD17	20	17962710	17962946	236	snoRNA	-1.29	2.25E-03	2.61E-02
ENSG00000089101	CFAP61	20	20052514	20360703	308189	protein coding	-1.29	1.99E-04	5.72E-03
ENSG00000213853	EMP2	16	10528422	10580362	52210	protein coding	-1.29	1.25E-04	4.28E-03
ENSG00000267452	LINC02073	17	51336646	51521401	184755	lncRNA	-1.29	9.71E-05	3.66E-03
ENSG00000108417	KRT37	17	41420547	41424585	4038	protein coding	-1.29	6.81E-03	4.99E-02
ENSG00000280356	AL021877.2	22	34641179	34651862	10683	lncRNA	-1.29	6.85E-04	1.27E-02
ENSG00000235172	LINC01366	5	170307722	1.7E+08	27786	lncRNA	-1.29	5.25E-03	4.29E-02
ENSG00000285996	AC006116.9	19	56380230	56383924	3694	lncRNA-antisense	-1.29	1.32E-03	1.90E-02
ENSG00000053747	LAMA3	18	23689453	23956222	266769	protein coding	-1.29	3.02E-05	1.58E-03
ENSG00000158077	NLRP14	11	7020479	7071526	51047	protein coding	-1.29	1.45E-03	2.00E-02
ENSG00000275152	CCL16	17	35976493	35981497	5004	protein coding	-1.29	3.00E-03	3.09E-02
ENSG00000237361	TUSC8	13	44400250	44405984	5734	lncRNA	-1.29	5.91E-03	4.61E-02
ENSG00000100867	DHRS2	14	23630115	23645639	15524	protein coding	-1.29	2.94E-04	7.36E-03
ENSG00000235358	AC093151.2	1	41242373	41284861	42488	lncRNA	-1.29	1.47E-03	2.02E-02
ENSG00000231290	APCDD1L-DT	20	58515379	58619888	104509	lncRNA	-1.29	2.19E-04	6.04E-03
ENSG00000228412	LNC-LBCS	6	19323428	19839080	515652	lncRNA-antisense	-1.29	3.96E-04	8.93E-03
ENSG00000226937	CEP164P1	10	45002222	45076066	73844	anscribed processed pseudogen	-1.29	3.37E-03	3.31E-02
ENSG00000139364	TMEM132B	12	125186836	1.26E+08	475441	protein coding	-1.29	1.23E-04	4.25E-03
ENSG00000255556	AC087203.2	8	12378679	12380265	1586	processed pseudogene	-1.29	5.59E-03	4.47E-02
ENSG00000250900	TRIM7-AS1	5	181195496	1.81E+08	7607	lncRNA-antisense	-1.29	3.61E-03	3.46E-02
ENSG00000150510	FAM124A	13	51222334	51284239	61905	protein coding	-1.29	1.24E-04	4.26E-03
ENSG00000259275	AC087477.2	15	96354237	96405235	50998	lncRNA	-1.29	4.78E-03	4.07E-02
ENSG00000268388	FENDRR	16	86474529	86509099	34570	lncRNA	-1.29	1.13E-04	3.99E-03
ENSG00000286462	AC092850.2	12	131310045	1.31E+08	2766	lncRNA	-1.29	5.53E-03	4.44E-02
ENSG00000143921	ABC8	2	43831942	43882988	51046	protein coding	-1.29	6.66E-04	1.25E-02
ENSG00000279440	AL008638.3	22	27019369	27024550	5181	lncRNA	-1.30	5.27E-03	4.30E-02
ENSG00000187079	TEAD1	11	12674421	12944737	270316	protein coding	-1.30	4.12E-04	9.17E-03
ENSG00000196758	AC079612.1	2	239578301	2.4E+08	7793	lncRNA	-1.30	2.53E-03	2.80E-02
ENSG00000226903	LINC00354	13	111865136	1.12E+08	36128	lncRNA	-1.30	2.95E-03	3.06E-02
ENSG00000100234	TIMP3	22	32801705	32863041	61336	protein coding	-1.30	3.62E-04	8.43E-03
ENSG00000101306	MYLK2	20	31819308	31834689	15381	protein coding	-1.30	3.05E-03	3.11E-02
ENSG00000179314	WSCR1	17	6057807	6124427	66620	protein coding	-1.30	1.64E-04	5.08E-03
ENSG00000185985	SLITRK2	X	145817829	1.46E+08	12027	protein coding	-1.30	1.19E-03	1.78E-02
ENSG00000265313	LINC01476	17	59422088	59526946	104858	lncRNA	-1.30	1.44E-03	1.98E-02
ENSG00000144191	CNGA3	2	98346188	98398601	52413	protein coding	-1.30	4.09E-03	3.73E-02
ENSG00000109832	DDX25	11	125903348	1.26E+08	40354	protein coding	-1.30	1.75E-04	5.29E-03
ENSG00000188523	CFAP77	9	132410043	1.33E+08	163276	protein coding	-1.30	5.04E-03	4.20E-02
ENSG00000127472	PLA2G5	1	20028179	20091911	63732	protein coding	-1.30	2.18E-03	2.56E-02
ENSG00000275830	AL390755.1	13	109988097	1.1E+08	141039	lncRNA	-1.30	5.60E-03	4.47E-02
ENSG00000170324	FRMPD2	10	48153088	48274696	121608	protein coding	-1.30	1.51E-04	4.82E-03
ENSG00000117122	MFAP2	1	16974502	16980632	6130	protein coding	-1.30	2.78E-03	2.95E-02
ENSG00000243295	AC126121.3	3	59050164	59754808	704644	lncRNA	-1.30	5.20E-03	4.27E-02
ENSG00000130612	CYP2G1P	19	40890826	40912357	21531	inscribed_unprocessed_pseudoge	-1.30	3.48E-03	3.38E-02
ENSG00000147255	IGSF1	X	131273506	1.32E+08	305393	protein coding	-1.30	8.40E-04	1.44E-02
ENSG00000235731	LINC02250	15	25456271	25578813	122542	lncRNA	-1.30	5.52E-04	1.10E-02
ENSG00000163701	IL17RE	3	9902612	9916402	13790	protein coding	-1.30	4.48E-04	9.63E-03
ENSG00000135917	SLC19A3	2	227683763	2.28E+08	34265	protein coding	-1.30	2.82E-03	2.98E-02
ENSG00000151812	SLC35F4	14	57563920	57982194	418274	protein coding	-1.30	4.32E-03	3.85E-02
ENSG00000181143	MUC16	19	8848844	8981342	132498	protein coding	-1.31	1.26E-09	4.49E-07
ENSG00000169347	GP2	16	20309574	20327808	18234	protein coding	-1.31	8.48E-04	1.45E-02
ENSG00000286218	AC005040.2	2	106933739	1.07E+08	62795	lncRNA	-1.31	3.88E-03	3.62E-02
ENSG00000169876	MUC17	7	101020072	1.01E+08	38787	protein coding	-1.31	1.81E-04	5.40E-03
ENSG00000287272	AC007786.4	19	29268976	29298576	29600	lncRNA	-1.31	2.65E-03	2.87E-02
ENSG00000164318	EGFLAM	5	38258409	38465480	207071	protein coding	-1.31	1.72E-03	2.20E-02
ENSG00000229563	LINC01204	X	45505388	45632121	126733	lncRNA	-1.31	9.39E-04	1.55E-02
ENSG00000180998	GPR137C	14	52552836	52637713	84877	protein coding	-1.31	6.15E-03	4.71E-02
ENSG00000121101	TEX14	17	58556678	58692055	135377	protein coding	-1.31	1.83E-04	5.43E-03
ENSG00000277399	GPR179	17	38324571	38343956	19385	protein coding	-1.31	2.49E-04	6.57E-03
ENSG00000261231	LINC02133	16	47724568	47908431	183863	lncRNA	-1.31	6.77E-03	4.98E-02
ENSG00000122863	CHST3	10	71964395	72013558	49163	protein coding	-1.31	4.00E-04	8.99E-03
ENSG00000113262	GRM6	5	178977587	1.79E+08	18619	protein coding	-1.31	1.94E-04	5.62E-03
ENSG00000281732	Z84468.1	22	48538900	48547387	8487	lncRNA	-1.31	1.01E-03	1.61E-02
ENSG00000058085	LAMC2	1	183186238	1.83E+08	58889	protein coding	-1.31	9.53E-04	1.56E-02
ENSG00000214653	HNRNPAP3P3	X	140032344	1.4E+08	1136	processed pseudogene	-1.31	3.54E-03	3.43E-02
ENSG00000287707	AC115284.4	3	51927071	51932483	5412	lncRNA	-1.31	1.19E-03	1.78E-02
ENSG00000137860	SLC28A2	15	45252234	45277846	25612	protein coding	-1.31	8.37E-04	1.44E-02

ENSG00000226051	ZNF503-AS1	10	75243568	75373500	129932	lncRNA	-1.31	1.43E-03	1.98E-02
ENSG00000267026	AL136084.1	9	98847172	98872415	25243	lncRNA-antisense	-1.31	2.31E-03	2.65E-02
ENSG00000177138	FAM9B	X	9024232	9295682	271450	protein coding	-1.31	2.77E-03	2.95E-02
ENSG00000255216	AP01360.1	11	12008044	1.2E+08	5576	lncRNA	-1.31	1.47E-03	2.02E-02
ENSG00000187955	COL14A1	8	120059780	1.2E+08	313793	protein coding	-1.31	2.52E-04	6.63E-03
ENSG00000287884	AC005594.1	19	4692021	4694340	2319	lncRNA	-1.31	2.87E-03	3.01E-02
ENSG00000134569	LRP4	11	46856717	46918642	61925	protein coding	-1.31	7.61E-05	3.05E-03
ENSG00000102038	SMARCA1	X	129446501	1.3E+08	76999	protein coding	-1.31	2.96E-03	3.06E-02
ENSG00000188153	COL4A5	X	108439838	1.09E+08	257707	protein coding	-1.31	1.85E-04	5.46E-03
ENSG0000099869	IGF2-AS	11	2140501	2148666	8165	lncRNA-antisense	-1.31	3.27E-03	3.25E-02
ENSG00000183921	SDR42E2	16	22165583	22191754	26171	protein coding	-1.31	1.12E-03	1.71E-02
ENSG00000221818	EBF2	8	25841725	26045413	203688	protein coding	-1.31	4.67E-04	9.89E-03
ENSG00000154258	ABCA9	17	68974488	69060949	86461	protein coding	-1.32	5.27E-04	1.07E-02
ENSG00000226627	SHANK2-AS1	11	70626441	70635658	9217	lncRNA-antisense	-1.32	4.74E-03	4.05E-02
ENSG00000270533	CR382285.1	21	9975017	10119309	144292	transcribed processed pseudogene	-1.32	5.31E-03	4.32E-02
ENSG00000204616	TRIM31	6	30102897	30113090	10193	protein coding	-1.32	3.94E-03	3.65E-02
ENSG00000205424	PCBP3-AS1	21	45827961	45837987	10026	lncRNA-antisense	-1.32	1.01E-03	1.61E-02
ENSG00000149488	TMC2	20	2536607	2641784	105177	protein coding	-1.32	1.04E-04	3.78E-03
ENSG00000175344	CHRNA7	15	31923438	32173018	249580	protein coding	-1.32	1.41E-04	4.62E-03
ENSG00000229240	LINC00710	10	10917866	10952234	34368	lncRNA	-1.32	5.36E-03	4.34E-02
ENSG00000187857	OR6C75	12	55362975	55369279	6304	protein coding	-1.32	6.43E-03	4.83E-02
ENSG00000196132	MYT1	20	64102394	64242253	139859	protein coding	-1.32	6.51E-05	2.77E-03
ENSG00000101251	SEL1L2	20	13849247	13996443	147196	protein coding	-1.32	1.32E-03	1.90E-02
ENSG00000224689	ZNF812P	19	9689924	9700776	10852	transcribed unprocessed pseudogene	-1.32	6.39E-03	4.81E-02
ENSG00000167858	TEKT1	17	6789133	6831761	42628	protein coding	-1.32	4.01E-03	3.69E-02
ENSG00000253771	TPTE2P1	13	24924677	24968487	43810	transcribed unprocessed pseudogene	-1.32	4.33E-03	3.85E-02
ENSG00000112936	C7	5	40909497	40984643	75146	protein coding	-1.32	2.79E-03	2.96E-02
ENSG00000139971	ARMH4	14	57999735	58298139	298404	protein coding	-1.32	1.80E-03	2.26E-02
ENSG00000143473	KCNH1	1	210676823	2.11E+08	457342	protein coding	-1.32	4.29E-04	9.36E-03
ENSG00000283078	AL137077.2	20	62066830	62068437	1607	lncRNA	-1.32	4.70E-03	4.03E-02
ENSG00000162598	C1orf87	1	59987269	60073770	86501	protein coding	-1.33	5.17E-03	4.26E-02
ENSG00000172554	SNTG2	2	950849	1367613	416764	protein coding	-1.33	2.27E-04	6.18E-03
ENSG00000248954	AC027801.2	17	49887598	49900893	13295	lncRNA	-1.33	3.53E-03	3.41E-02
ENSG00000134533	RERG	12	15107783	15348675	240892	protein coding	-1.33	5.08E-03	4.21E-02
ENSG00000235501	AC105942.1	1	94927361	94963616	36255	lncRNA-antisense	-1.33	1.65E-03	2.15E-02
ENSG00000186191	BPIFB4	20	33079644	33111751	32107	protein coding	-1.33	1.44E-03	1.99E-02
ENSG00000246820	RIC3-DT	11	8169167	8178903	9736	lncRNA	-1.33	6.56E-03	4.89E-02
ENSG00000187726	DNAJB13	11	73951026	73970366	19340	protein coding	-1.33	2.24E-03	2.60E-02
ENSG00000260661	AC116903.2	15	92148752	92331037	182285	lncRNA-antisense	-1.33	3.13E-03	3.17E-02
ENSG00000262332	AC136624.1	16	16223027	16224261	1234	lncRNA-antisense	-1.33	4.22E-03	3.81E-02
ENSG00000205212	CCDC144NL	17	20836447	20896140	59693	transcribed unprocessed pseudogene	-1.33	4.26E-03	3.82E-02
ENSG00000286232	AL365229.1	20	61267525	61271827	4302	lncRNA	-1.33	1.07E-03	1.67E-02
ENSG00000163531	NFASC	1	204828651	2.05E+08	194171	protein coding	-1.33	2.52E-05	1.39E-03
ENSG00000267733	AP005264.4	18	12201982	12223539	21557	transcribed processed pseudogene	-1.33	4.87E-04	1.02E-02
ENSG00000186603	HPDL	1	45326895	45328679	1784	protein coding	-1.33	3.58E-03	3.45E-02
ENSG00000148602	LRIT1	10	84231520	84241546	10026	protein coding	-1.33	6.37E-03	4.81E-02
ENSG00000231340	ACTG1P10	X	53142832	53143913	1081	processed pseudogene	-1.33	2.48E-03	2.77E-02
ENSG00000226277	AC105393.1	2	421057	424059	3002	lncRNA	-1.33	4.61E-03	3.99E-02
ENSG00000265702	AC005821.1	17	62699244	62754973	55729	lncRNA-antisense	-1.33	2.88E-03	3.01E-02
ENSG00000268864	AC011487.2	19	53599628	53608451	8823	transcribed unprocessed pseudogene	-1.33	3.75E-03	3.54E-02
ENSG00000166922	SCG5	15	32641676	32697098	55422	protein coding	-1.33	9.38E-04	1.55E-02
ENSG00000181995	LINC00301	11	60615729	60687267	71538	transcribed unitary pseudogene	-1.33	6.24E-03	4.75E-02
ENSG00000249695	AC026369.1	12	1374111	1491669	11758	lncRNA-antisense	-1.33	6.77E-04	1.26E-02
ENSG00000280693	SH3PYD2A-AS1	10	103745966	1.04E+08	9457	lncRNA-antisense	-1.34	1.21E-03	1.79E-02
ENSG00000184571	PIWIL3	22	24719034	24774720	55686	protein coding	-1.34	9.04E-04	1.52E-02
ENSG00000173769	TOPAZ1	3	44241886	44332098	90212	protein coding	-1.34	6.65E-04	1.25E-02
ENSG00000123201	GUCY1B2	13	50994511	51080862	86351	transcribed unitary pseudogene	-1.34	2.62E-04	6.80E-03
ENSG00000158486	DNAH3	16	20933111	21159441	226330	protein coding	-1.34	2.62E-04	6.80E-03
ENSG00000211784	TRAV10	14	21825472	21826075	603	TR V gene	-1.34	5.95E-04	1.16E-02
ENSG00000286176	AC116317.1	4	6292369	6308636	16267	lncRNA-bidirectional promoter lncRNA	-1.34	6.54E-03	4.88E-02
ENSG00000238273	AC108058.1	2	105363038	1.05E+08	15801	lncRNA-antisense	-1.34	3.07E-03	3.12E-02
ENSG00000165164	CFAP47	X	35919734	36385317	465583	protein coding	-1.34	2.00E-03	2.42E-02
ENSG00000184254	ALDH1A3	15	100877714	1.01E+08	38912	protein coding	-1.34	8.79E-05	3.40E-03
ENSG00000286063	AL121888.1	20	48324812	48367976	43164	lncRNA	-1.34	8.11E-04	1.41E-02
ENSG00000233951	RCC2P3	7	138122202	1.38E+08	2393	processed pseudogene	-1.34	3.23E-03	3.22E-02
ENSG00000172137	CALB2	16	71358713	71390436	31723	protein coding	-1.34	4.05E-03	3.72E-02
ENSG00000230524	COL6A4P1	3	15151833	15205959	54126	transcribed unprocessed pseudogene	-1.34	3.07E-03	3.12E-02
ENSG00000286266	AC104370.1	8	127578473	1.28E+08	58394	lncRNA	-1.34	5.75E-03	4.53E-02
ENSG00000271180	COX5AP1	14	55240622	55241080	458	processed pseudogene	-1.34	4.51E-03	3.94E-02
ENSG00000202260	RN7SKP69	20	17576206	17576510	304	misc RNA	-1.34	3.99E-03	3.68E-02
ENSG00000232234	AL355499.1	6	8102711	8343139	240428	lncRNA-bidirectional promoter lncRNA	-1.34	1.95E-03	2.37E-02
ENSG00000260019	LINC01992	17	27928924	27991787	62863	lncRNA	-1.34	6.46E-04	1.23E-02
ENSG00000257178	AC103702.1	17	48579630	48582259	2629	lncRNA-sense intronic	-1.34	6.73E-03	4.96E-02
ENSG00000241651	AC099340.1	4	128069014	1.28E+08	598	processed pseudogene	-1.34	1.60E-03	2.11E-02
ENSG00000124253	PCK1	20	57561080	57568121	7041	protein coding	-1.34	5.29E-04	1.07E-02
ENSG00000249550	LINC01234	12	113583886	1.14E+08	189840	lncRNA	-1.34	1.34E-04	4.45E-03
ENSG00000064655	EYA2	20	46894624	47188844	294220	protein coding	-1.34	1.21E-03	1.79E-02
ENSG00000138315	OIT3	10	72893584	72933036	39452	protein coding	-1.34	2.99E-03	3.08E-02
ENSG00000134765	DSC1	18	31129236	31162856	33620	protein coding	-1.35	1.38E-04	4.53E-03
ENSG00000115593	SMYD1	2	88067825	88113384	45559	protein coding	-1.35	2.38E-03	2.70E-02
ENSG00000167104	BPIFB6	20	33031648	33044407	12399	protein coding	-1.35	1.43E-03	1.97E-02
ENSG00000279443	AL513497.1	1	28544460	28546542	2082	TEC	-1.35	6.30E-03	4.78E-02
ENSG00000170703	TTL6	17	48762235	48817214	54979	protein coding	-1.35	1.56E-04	4.90E-03
ENSG00000232716	AC016831.3	7	130840204	1.31E+08	3521	processed pseudogene	-1.35	4.59E-03	3.98E-02
ENSG00000136425	CIB2	15	78104606	78131535	26929	protein coding	-1.35	2.24E-05	1.27E-03
ENSG00000146038	DCDC2	6	24171755	24358059	186304	protein coding	-1.35	5.53E-03	4.44E-02
ENSG00000198125	MB	22	35606764	35637951	31187	protein coding	-1.35	3.05E-03	3.11E-02

ENSG00000235711	ANKRD34C	15	79293285	79298235	4950	protein coding	-1.35	3.19E-03	3.20E-02
ENSG00000253871	AC068075.1	8	57341021	57365444	24423	lncRNA	-1.35	2.66E-03	2.88E-02
ENSG00000225321	LINC01427	20	22263065	22284029	20964	lncRNA	-1.35	8.43E-04	1.45E-02
ENSG00000232517	CSPG4BP	5	54808210	54872551	64341	unitary pseudogene	-1.35	1.45E-03	1.99E-02
ENSG00000258545	RHOXF1-AS1	X	120036236	1.2E+08	110618	lncRNA-antisense	-1.35	3.98E-03	3.68E-02
ENSG00000285051	SLC7A14-AS1	3	170448639	1.71E+08	412354	lncRNA	-1.35	2.63E-04	6.80E-03
ENSG0000013293	SLC7A14	3	170459548	1.71E+08	126527	protein coding	-1.35	4.01E-04	9.01E-03
ENSG00000226453	LINC02542	6	81844602	82169391	324789	lncRNA	-1.35	4.35E-03	3.86E-02
ENSG00000232328	AC084030.1	2	236733289	2.37E+08	21074	lncRNA	-1.35	2.71E-03	2.91E-02
ENSG00000179447	SLC24A3-AS1	20	19242302	19284596	42294	lncRNA-antisense	-1.35	5.50E-03	4.42E-02
ENSG00000272510	AL121992.3	1	15565611	15565956	345	lncRNA-antisense	-1.35	6.56E-03	4.89E-02
ENSG00000163072	NOSTRIN	2	168786539	1.69E+08	78975	protein coding	-1.35	3.83E-03	3.60E-02
ENSG00000261623	LINC02179	16	49466106	49469875	3769	lncRNA	-1.35	2.63E-03	2.86E-02
ENSG00000284430	AC020912.1	19	31100304	31147981	47677	lncRNA	-1.35	1.06E-03	1.66E-02
ENSG00000125999	BP1FB1	20	33273480	33309871	36391	protein coding	-1.35	6.60E-04	1.24E-02
ENSG00000238062	SPATA3-AS1	2	230984368	2.31E+08	11664	lncRNA	-1.35	1.92E-03	2.35E-02
ENSG00000285205	AL121612.2	14	94770271	94774858	4587	RNA-bidirectional promoter lncRNA	-1.35	1.47E-04	4.75E-03
ENSG00000285100	AL359555.2	20	38270778	38274020	3242	lncRNA	-1.36	6.07E-03	4.68E-02
ENSG00000143631	FLG	1	152302165	1.52E+08	23074	protein coding	-1.36	4.68E-05	2.21E-03
ENSG00000220256	AC093802.1	2	239762860	2.4E+08	61904	lncRNA	-1.36	1.50E-04	4.80E-03
ENSG00000237626	AL161629.1	9	89825964	90019549	193585	lncRNA	-1.36	6.03E-04	1.17E-02
ENSG00000273274	ZBT88B	1	32465072	32496686	31614	protein coding	-1.36	6.47E-04	1.23E-02
ENSG00000237222	LINC01968	3	194708093	1.95E+08	117915	lncRNA	-1.36	6.36E-04	1.21E-02
ENSG00000185739	SRL	16	4189374	4242080	52706	protein coding	-1.36	2.16E-04	5.99E-03
ENSG00000164007	CLDN19	1	42733093	42740254	7161	protein coding	-1.36	1.62E-03	2.13E-02
ENSG00000101353	MROH8	20	37101226	37179588	78362	protein coding	-1.36	5.42E-08	1.07E-05
ENSG00000231898	MYO3B-AS1	2	170332085	1.7E+08	76479	lncRNA-antisense	-1.36	9.99E-04	1.61E-02
ENSG00000287232	AC079848.2	3	126213204	1.26E+08	34510	lncRNA	-1.36	2.19E-03	2.57E-02
ENSG00000215866	LINC01356	1	112820170	1.13E+08	30473	lncRNA	-1.36	7.11E-04	1.31E-02
ENSG00000228392	AL162391.1	9	126286999	1.26E+08	11594	lncRNA	-1.36	1.89E-03	2.32E-02
ENSG00000241322	CDRT1	17	15565483	15619704	54221	protein coding	-1.36	8.36E-05	3.28E-03
ENSG00000175267	VWA3A	16	22092538	22156964	64426	protein coding	-1.36	1.20E-04	4.17E-03
ENSG00000188859	FAM78B	1	166057426	1.66E+08	109575	protein coding	-1.36	7.86E-04	1.39E-02
ENSG00000121905	HPCA	1	32885994	32898441	12447	protein coding	-1.37	4.28E-03	3.83E-02
ENSG00000132321	IQCA1	2	236324147	2.37E+08	183388	protein coding	-1.37	1.19E-04	4.14E-03
ENSG00000101938	CHRDL1	X	110673856	1.11E+08	121963	protein coding	-1.37	1.91E-03	2.34E-02
ENSG00000286615	AC011416.4	5	127231977	1.27E+08	58754	lncRNA	-1.37	2.23E-04	6.11E-03
ENSG00000159398	CES5A	16	55846154	55956031	109877	protein coding	-1.37	1.38E-03	1.94E-02
ENSG00000233478	AL031280.1	1	25644544	25659111	14567	lncRNA-antisense	-1.37	2.71E-03	2.91E-02
ENSG00000178233	TMEM151B	6	44270450	44307506	37056	protein coding	-1.37	2.58E-03	2.83E-02
ENSG00000165588	OTX2	14	56799905	56816693	16788	protein coding	-1.37	2.66E-03	2.87E-02
ENSG00000287408	AC027811.1	15	79331591	79337277	5686	lncRNA	-1.37	3.68E-03	3.51E-02
ENSG00000168356	SCN11A	3	38845764	39052157	206393	protein coding	-1.37	5.70E-05	2.52E-03
ENSG00000237038	USP17L8	8	7971661	7973253	1592	protein coding	-1.37	6.25E-04	1.20E-02
ENSG00000284543	LINC01226	1	31506226	31583306	77080	lncRNA	-1.37	1.21E-04	4.20E-03
ENSG00000166984	TCP10L2	6	167146414	1.67E+08	50499	protein coding	-1.37	1.85E-04	5.46E-03
ENSG00000117501	MROH9	1	170935471	1.71E+08	129294	protein coding	-1.38	6.37E-03	4.81E-02
ENSG00000233760	AC004947.1	7	26551686	26558880	7194	lncRNA	-1.38	4.60E-03	3.99E-02
ENSG00000283654	MLN2	14	23099062	23104989	5927	protein coding	-1.38	5.20E-03	4.27E-02
ENSG00000157423	HYDIN	16	70802084	71230722	428638	protein coding	-1.38	1.02E-04	3.75E-03
ENSG00000130649	CYP2E1	10	133520406	1.34E+08	40814	protein coding	-1.38	5.37E-06	4.40E-04
ENSG00000265646	TUFMP1	17	27082690	27084036	1346	processed pseudogene	-1.38	1.69E-03	2.18E-02
ENSG00000158571	PKFB1	X	54932961	54998534	65573	protein coding	-1.38	9.00E-04	1.51E-02
ENSG00000095777	MYO3A	10	25934229	26212532	278303	protein coding	-1.38	4.17E-05	2.04E-03
ENSG00000286667	AC010641.2	19	382725	387533	4808	lncRNA	-1.38	5.76E-04	1.13E-02
ENSG00000257771	LINC02395	12	49900311	49932764	32453	lncRNA	-1.38	4.14E-04	9.19E-03
ENSG00000259422	AC091100.1	15	76174891	76181486	6595	lncRNA-antisense	-1.38	1.51E-03	2.04E-02
ENSG00000260876	LINC01229	16	79676048	79809716	133668	lncRNA	-1.38	1.03E-04	3.78E-03
ENSG00000250974	LINC02196	5	6839460	7219291	379831	lncRNA	-1.38	4.23E-03	3.81E-02
ENSG00000171483	SSX6P	X	48107992	48120210	12218	transcribed unprocessed pseudogene	-1.38	6.46E-03	4.84E-02
ENSG00000198670	LPA	6	160531482	1.61E+08	132793	protein coding	-1.38	2.65E-03	2.87E-02
ENSG00000100320	RBFOX2	22	35738736	36028824	290088	protein coding	-1.38	1.08E-05	7.54E-04
ENSG00000137142	IGFBP1L1	9	38406528	38424454	17926	protein coding	-1.38	2.30E-03	2.65E-02
ENSG00000188000	ORT7D2	19	9178979	9188818	9839	protein coding	-1.38	4.37E-03	3.86E-02
ENSG00000175697	GPR156	3	120164645	1.2E+08	120577	protein coding	-1.38	1.21E-03	1.79E-02
ENSG00000280011	AL031595.2	22	44210442	44229512	19070	lncRNA-antisense	-1.38	7.20E-05	2.95E-03
ENSG00000261795	AC093627.7	7	161765	164972	3207	lncRNA	-1.38	4.91E-03	4.13E-02
ENSG00000267640	AC016582.3	19	37817359	37832160	14801	transcribed unprocessed pseudogene	-1.38	1.93E-04	5.60E-03
ENSG00000067177	PHKA1	X	72578814	72714319	135505	protein coding	-1.38	1.01E-04	3.71E-03
ENSG00000182366	FAM87A	8	375931	384079	8148	lncRNA	-1.38	6.97E-04	1.29E-02
ENSG00000279791	AC018892.3	2	97094935	97097433	2498	TEC	-1.38	1.74E-03	2.21E-02
ENSG00000204296	TSPB1	6	32288526	32371912	83386	protein coding	-1.38	6.81E-03	4.99E-02
ENSG00000262772	LINC01977	17	79819083	79827704	8621	lncRNA	-1.39	2.19E-03	2.57E-02
ENSG00000244227	LRRC77P	3	167864773	1.68E+08	59238	transcribed unitary pseudogene	-1.39	1.37E-03	1.94E-02
ENSG00000285520	AL353586.1	10	12877459	12965275	87816	lncRNA-antisense	-1.39	4.26E-03	3.82E-02
ENSG00000226985	LINC01203	X	13333952	13403035	69083	lncRNA	-1.39	1.06E-03	1.66E-02
ENSG00000287792	AC140118.2	12	131350844	1.31E+08	20877	lncRNA	-1.39	3.08E-03	3.12E-02
ENSG00000230140	NPAS2-AS1	2	100970767	1.01E+08	6999	lncRNA-antisense	-1.39	5.06E-03	4.21E-02
ENSG00000082126	MPP4	2	201644870	2.02E+08	53824	protein coding	-1.39	1.44E-04	4.68E-03
ENSG00000204941	PSG5	19	43166256	43186536	20280	protein coding	-1.39	2.97E-03	3.07E-02
ENSG00000130032	PRRG3	X	151694607	1.52E+08	11317	protein coding	-1.39	2.70E-04	6.94E-03
ENSG00000129167	TPH1	11	18017564	18042426	24862	protein coding	-1.39	4.85E-05	2.27E-03
ENSG00000103023	PRSS54	16	58279997	58295047	15050	protein coding	-1.39	4.40E-03	3.88E-02
ENSG00000254746	AC103855.2	11	45486867	45542487	55620	lncRNA	-1.39	4.96E-03	4.16E-02
ENSG00000198883	PNMA5	X	152988824	1.53E+08	5292	protein coding	-1.39	2.12E-04	5.93E-03
ENSG00000118322	ATP10B	5	160563120	1.61E+08	289094	protein coding	-1.39	4.60E-03	3.99E-02
ENSG00000126785	RHOJ	14	63204114	63293508	89394	protein coding	-1.39	5.20E-03	4.27E-02

ENSG00000231933	MYO18B-AS1	22	25876854	25903247	26393	lncRNA-antisense	-1.39	1.74E-03	2.21E-02
ENSG00000203729	LINC00272	1	182407621	1.82E+08	7194	lncRNA	-1.39	4.60E-03	3.99E-02
ENSG00000112494	UNC93A	6	167271169	1.67E+08	44845	protein coding	-1.39	2.35E-03	2.68E-02
ENSG00000237574	LINC01856	2	129923177	1.3E+08	23526	lncRNA	-1.39	5.58E-03	4.46E-02
ENSG00000141338	ABCA8	17	68867289	68955392	88103	protein coding	-1.39	1.11E-05	7.61E-04
ENSG00000224790	AP000704.1	21	36966461	36975164	8703	lncRNA	-1.39	7.59E-05	3.05E-03
ENSG00000226631	SLC9A3P3	10	50025135	50027363	2228	processed pseudogene	-1.39	4.27E-03	3.82E-02
ENSG00000137090	DMRT1	9	841690	969090	127400	protein coding	-1.39	7.98E-04	1.40E-02
ENSG00000266527	AC005697.2	17	27874645	27881237	6592	lncRNA-antisense	-1.39	5.59E-03	4.47E-02
ENSG00000261177	AC135012.1	16	86081409	86089526	8117	lncRNA	-1.39	1.29E-04	4.38E-03
ENSG00000260062	GOLGA2P11	15	62253730	62270680	16950	transcribed unprocessed pseudogene	-1.39	8.06E-04	1.41E-02
ENSG00000264026	LINC02003	17	72342692	72355136	12444	lncRNA	-1.40	3.25E-03	3.24E-02
ENSG00000113905	HRG	3	186660216	1.87E+08	18018	protein coding	-1.40	1.51E-03	2.05E-02
ENSG00000225746	MEG8	14	100894770	1.01E+08	144089	lncRNA	-1.40	3.82E-07	5.27E-05
ENSG00000179046	TRIML2	4	188091273	1.88E+08	18330	protein coding	-1.40	4.53E-03	3.95E-02
ENSG00000287879	AC114341.2	18	79959579	79963178	3599	lncRNA	-1.40	6.49E-04	1.23E-02
ENSG00000163145	C1Q TNF7	4	15339818	15446167	106349	protein coding	-1.40	7.08E-04	1.30E-02
ENSG00000272688	LHX1-DT	17	36861674	36936670	74996	lncRNA-antisense	-1.40	4.45E-03	3.91E-02
ENSG00000260102	LINC01070	13	112197350	1.12E+08	3650	lncRNA	-1.40	4.92E-04	1.02E-02
ENSG00000235779	AC079179.3	2	290941	314373	23432	lncRNA	-1.40	1.39E-03	1.94E-02
ENSG00000175699	CCDC197	14	93987225	94008863	21638	protein coding	-1.40	1.35E-03	1.91E-02
ENSG00000004948	CALCR	7	93424486	93574730	150244	protein coding	-1.40	1.82E-03	2.27E-02
ENSG00000260788	AC09063.2	16	83720402	83772974	52572	lncRNA-antisense	-1.40	1.35E-03	1.91E-02
ENSG00000230358	SPDY21	7	67278714	67286664	7950	protein coding	-1.40	1.38E-03	1.94E-02
ENSG00000196632	WNK3	X	54192823	54358642	165819	protein coding	-1.40	1.08E-05	7.53E-04
ENSG00000226686	LINC01535	19	37251885	37265535	13650	lncRNA	-1.40	6.79E-05	2.84E-03
ENSG00000107562	CXCL12	10	44370165	44386493	16328	protein coding	-1.40	8.37E-04	1.44E-02
ENSG00000250748	AC025419.1	12	65466820	65642372	175552	lncRNA	-1.40	1.57E-03	2.09E-02
ENSG00000164627	KIF6	6	39329990	39725408	395418	protein coding	-1.40	7.28E-04	1.32E-02
ENSG00000235790	PEF1-AS1	1	31644049	31660162	16113	lncRNA-antisense	-1.40	3.18E-04	7.74E-03
ENSG00000215246	AC116351.1	5	987180	997308	10128	lncRNA-antisense	-1.40	3.62E-03	3.47E-02
ENSG00000184459	BPFC	22	32413847	32464484	50637	protein coding	-1.40	6.29E-03	4.78E-02
ENSG00000166111	SVOP	12	108907741	1.09E+08	113327	protein coding	-1.40	1.90E-04	5.55E-03
ENSG00000223573	TINCR	19	5558167	5578349	20182	protein coding	-1.40	1.64E-04	5.08E-03
ENSG00000157330	C1orf158	1	12746200	12763699	17499	protein coding	-1.40	1.08E-03	1.67E-02
ENSG00000188869	TMC3	15	81331088	81374213	43125	protein coding	-1.40	6.22E-04	1.20E-02
ENSG00000250979	AC022905.1	8	72202751	72251565	48814	unprocessed pseudogene	-1.40	4.45E-03	3.90E-02
ENSG00000141449	GREB1L	18	21242242	21525417	283175	protein coding	-1.40	1.34E-05	8.72E-04
ENSG00000268532	LINC02135	16	86286427	86293389	6962	lncRNA	-1.40	2.11E-03	2.51E-02
ENSG00000162753	SLC9C2	1	173500460	1.74E+08	102612	protein coding	-1.40	9.21E-04	1.53E-02
ENSG00000267594	CYP4F2P	19	15760241	15779909	19668	unprocessed pseudogene	-1.40	4.31E-03	3.84E-02
ENSG00000187242	KRT12	17	40861303	40867223	5920	protein coding	-1.40	3.06E-03	3.11E-02
ENSG00000127241	MASP1	3	187217282	1.87E+08	74698	protein coding	-1.41	2.65E-05	1.44E-03
ENSG00000174898	CATSPERD	19	5720637	5778734	58097	protein coding	-1.41	2.89E-05	1.53E-03
ENSG00000262185	LINC02861	16	3930806	3950586	19780	lncRNA	-1.41	2.77E-03	2.95E-02
ENSG00000153904	DDAH1	1	85318481	85578363	259882	protein coding	-1.41	1.68E-04	5.14E-03
ENSG00000180667	YOD1	1	207043849	2.07E+08	9131	protein coding	-1.41	5.81E-08	1.12E-05
ENSG00000179546	HTR1D	1	23191895	23194729	2834	protein coding	-1.41	6.43E-03	4.83E-02
ENSG00000162594	IL23R	1	67138907	67259979	121072	protein coding	-1.41	1.25E-03	1.83E-02
ENSG00000132297	HHLA1	8	132061486	1.32E+08	49673	protein coding	-1.41	1.24E-03	1.82E-02
ENSG00000240268	MOXD2P	7	142240740	1.42E+08	6327	transcribed unprocessed pseudogene	-1.41	8.24E-04	1.43E-02
ENSG00000170790	OR10A2	11	8863057	8874717	11660	protein coding	-1.41	4.20E-03	3.80E-02
ENSG00000176984	AP000679.1	11	120168977	1.2E+08	2702	lncRNA-antisense	-1.41	5.99E-03	4.64E-02
ENSG00000232084	LINC01104	2	100208254	1E+08	43230	lncRNA	-1.41	4.94E-03	4.14E-02
ENSG00000140945	CDH13	16	82626965	83800640	1173675	protein coding	-1.41	1.54E-06	1.62E-04
ENSG00000185247	MAGEA11	X	149688228	1.5E+08	29040	protein coding	-1.41	3.86E-03	3.61E-02
ENSG00000269416	LINC01224	19	23399233	23416075	16842	lncRNA	-1.41	6.23E-03	4.74E-02
ENSG00000233143	DIRC3-A	2	217261699	2.17E+08	74421	lncRNA	-1.41	2.57E-03	2.82E-02
ENSG00000275431	AC244100.2	17	35983656	35990270	6614	lncRNA-antisense	-1.41	3.49E-03	3.39E-02
ENSG00000267127	AC090360.1	18	80034346	80097088	62742	protein coding	-1.41	9.30E-04	1.54E-02
ENSG00000256553	TRAV1-2	14	21642889	21643578	689	TR V gene	-1.41	5.19E-06	4.31E-04
ENSG00000265273	PGDP1	18	31962178	31963618	1440	processed pseudogene	-1.41	4.10E-03	3.74E-02
ENSG00000268505	AC135012.3	16	86192793	86198913	6120	lncRNA	-1.41	1.90E-03	2.33E-02
ENSG00000287433	AC107222.2	4	184100482	1.84E+08	5556	lncRNA	-1.41	6.03E-03	4.66E-02
ENSG00000272381	LINC02664	10	31187715	31261910	74195	lncRNA	-1.41	4.28E-03	3.83E-02
ENSG00000169327	OR5AU1	14	21148370	21159060	10690	protein coding	-1.41	3.10E-03	3.14E-02
ENSG00000258779	LINC01568	16	73386771	73504954	118183	lncRNA	-1.41	1.59E-04	4.97E-03
ENSG00000196553	CCDC196	14	66411704	66498677	86973	protein coding	-1.41	3.02E-03	3.09E-02
ENSG00000278965	AC122713.2	5	180078357	1.8E+08	3334	TEC	-1.41	2.04E-03	2.45E-02
ENSG00000280623	PCAT14	22	23536881	23547797	10916	lncRNA	-1.42	6.37E-03	4.81E-02
ENSG00000160505	NLRP4	19	55836540	55881855	45315	protein coding	-1.42	1.22E-03	1.81E-02
ENSG00000171819	ANGPTL7	1	11189355	11195981	6626	protein coding	-1.42	1.05E-03	1.64E-02
ENSG00000148798	INA	10	103277138	1.03E+08	13208	protein coding	-1.42	1.42E-03	1.97E-02
ENSG00000127325	BEST3	12	69643360	69699476	56116	protein coding	-1.42	6.66E-04	1.25E-02
ENSG00000284653	AL357509.1	1	18015712	18045612	29900	lncRNA	-1.42	5.35E-03	4.34E-02
ENSG00000231606	AL357873.1	1	14221887	14304445	82558	lncRNA	-1.42	2.00E-03	2.41E-02
ENSG00000169302	STK32A	5	147234963	1.47E+08	152892	protein coding	-1.42	8.72E-05	3.39E-03
ENSG00000229021	AL450992.1	1	151994531	1.52E+08	48243	lncRNA-antisense	-1.42	5.14E-03	4.25E-02
ENSG00000267280	TBX2-AS1	17	61393456	61411555	18099	lncRNA-antisense	-1.42	4.42E-03	3.89E-02
ENSG00000163673	DCLK3	3	36712422	36764349	51927	protein coding	-1.42	1.84E-03	2.28E-02
ENSG00000176381	PRR18	6	166305300	1.66E+08	3148	protein coding	-1.42	1.67E-03	2.16E-02
ENSG00000187537	POTEG	14	19402486	19434341	31855	protein coding	-1.42	3.24E-03	3.23E-02
ENSG00000173572	NLRP13	19	55891699	55932336	40637	protein coding	-1.42	2.29E-03	2.64E-02
ENSG00000235160	LINC02248	15	26395037	26455217	60180	lncRNA	-1.42	4.94E-03	4.15E-02
ENSG00000134853	PDGFRA	4	54229280	54298245	68965	protein coding	-1.42	1.04E-04	3.78E-03
ENSG00000204695	OR14J1	6	29301701	29313017	11316	protein coding	-1.42	1.91E-03	2.34E-02
ENSG00000174990	CASA	16	87881546	87936580	55034	protein coding	-1.42	3.91E-04	8.90E-03

ENSG00000287161	AC093519.2	16	86899356	86961268	61912	lncRNA	-1.42	1.13E-03	1.72E-02
ENSG00000196639	HRH1	3	11137093	11263557	126464	protein coding	-1.42	2.36E-04	6.38E-03
ENSG00000261738	MIR3976HG	18	5721812	5876328	154516	lncRNA	-1.42	4.91E-05	2.29E-03
ENSG00000286033	CR381670.2	21	8762386	8836565	74179	lncRNA	-1.42	8.58E-04	1.46E-02
ENSG00000257175	CR383656.1	14	18634955	18637208	2253	processed pseudogene	-1.42	1.86E-03	2.31E-02
ENSG00000130377	ACSBG2	19	6135247	6193094	57847	protein coding	-1.42	1.79E-03	2.25E-02
ENSG00000185888	PRSS38	1	227815693	2.28E+08	30777	protein coding	-1.43	5.40E-03	4.36E-02
ENSG00000254008	LINC00051	8	142198356	1.42E+08	10647	lncRNA-antisense	-1.43	3.88E-03	3.62E-02
ENSG00000101333	PLCB4	20	9068763	9481242	412479	protein coding	-1.43	2.60E-05	1.42E-03
ENSG00000136943	CTSV	9	97029677	97039643	9966	protein coding	-1.43	2.25E-03	2.61E-02
ENSG00000255087	AP001993.1	11	127021736	1.27E+08	150627	lncRNA	-1.43	8.64E-06	6.45E-04
ENSG00000227764	LINC01693	1	211639440	2.12E+08	15187	lncRNA	-1.43	6.80E-03	4.99E-02
ENSG00000233217	MROH3P	1	200917460	2.01E+08	49208	transcribed unitary pseudogene	-1.43	4.03E-04	9.03E-03
ENSG00000223528	AL359094.1	10	126988095	1.27E+08	38412	lncRNA-antisense	-1.43	5.95E-04	1.16E-02
ENSG00000125997	BPIFB9P	20	33347720	33354444	6724	transcribed unitary pseudogene	-1.43	3.86E-03	3.61E-02
ENSG00000066813	ACSM2B	16	20536226	20576427	40201	protein coding	-1.43	3.33E-04	8.00E-03
ENSG00000094796	KRT31	17	44193721	441397608	3887	protein coding	-1.44	4.03E-03	3.70E-02
ENSG00000163915	IGF2BP2-AS1	3	185712528	1.86E+08	17259	lncRNA-antisense	-1.44	4.39E-03	3.87E-02
ENSG00000136155	SCEL	13	77535674	77645263	109589	protein coding	-1.44	4.35E-03	3.86E-02
ENSG00000225427	LINC00331	13	78786272	78840051	53779	lncRNA	-1.44	5.83E-03	4.57E-02
ENSG00000267204	LINC01782	19	32102088	32105916	3828	lncRNA	-1.44	4.53E-03	3.96E-02
ENSG00000228151	AC004941.1	7	149398204	1.49E+08	3252	lncRNA-antisense	-1.44	3.61E-03	3.46E-02
ENSG00000173114	LRRN3	7	111091006	1.11E+08	34448	protein coding	-1.44	2.33E-05	1.31E-03
ENSG00000184647	PRSS55	8	10525532	10554166	28634	protein coding	-1.44	8.28E-04	1.43E-02
ENSG00000236130	PTCSC2	9	97699625	97853080	153455	lncRNA	-1.44	1.06E-03	1.65E-02
ENSG00000147041	SYTL5	X	38006553	38128819	122266	protein coding	-1.44	3.69E-03	3.52E-02
ENSG00000087842	PIR	X	15384799	15493564	108765	protein coding	-1.44	2.50E-03	2.78E-02
ENSG00000282556	AC068733.3	11	6319140	6360454	41314	lncRNA	-1.44	5.56E-04	1.11E-02
ENSG00000279852	AC083964.2	8	486117	488512	2395	TEC	-1.44	3.81E-03	3.58E-02
ENSG00000261786	AC06058.1	3	44117299	44122365	5066	lncRNA	-1.44	1.63E-03	2.14E-02
ENSG00000287963	AC010476.2	5	155087430	1.55E+08	111822	lncRNA	-1.44	3.87E-03	3.61E-02
ENSG00000074410	CA12	15	63321378	63381846	60468	protein coding	-1.44	2.42E-05	1.34E-03
ENSG00000152527	PLEKH2H	2	43637260	43767987	130727	protein coding	-1.44	1.10E-05	7.60E-04
ENSG00000232445	EMSLR	7	101308270	1.01E+08	6530	lncRNA-antisense	-1.44	3.14E-04	7.69E-03
ENSG00000202538	RNU4-2	12	120291763	1.2E+08	140	snRNA	-1.45	2.56E-04	6.70E-03
ENSG00000072315	TRPC5	X	111774315	1.12E+08	308461	protein coding	-1.45	5.69E-04	1.12E-02
ENSG00000175318	GRAMD2A	15	72159806	72197787	37981	protein coding	-1.45	1.97E-05	1.16E-03
ENSG00000284676	AL645944.2	1	29755175	29790597	35422	lncRNA	-1.45	1.01E-03	1.61E-02
ENSG00000214553	LRR3C7A11P	17	39027277	39053205	25928	inscribed unprocessed pseudogene	-1.45	5.82E-04	1.14E-02
ENSG00000177947	ODF3	11	196761	200261	3500	protein coding	-1.45	2.86E-03	3.00E-02
ENSG00000277022	AL031663.3	20	45435272	45448325	13053	lncRNA	-1.45	3.05E-03	3.11E-02
ENSG00000137821	LRRCA9	15	70853239	71053658	200419	protein coding	-1.45	8.71E-05	3.39E-03
ENSG00000134363	FST	5	53480626	53487134	6508	protein coding	-1.45	5.09E-03	4.22E-02
ENSG00000164556	FAM183BP	7	38685346	38687037	1691	processed pseudogene	-1.45	6.40E-04	1.22E-02
ENSG00000247416	AP000802.1	11	112959279	1.13E+08	4181	lncRNA-antisense	-1.45	1.01E-03	1.61E-02
ENSG00000204033	LRIT2	10	84220571	84225544	4973	protein coding	-1.45	6.16E-03	4.72E-02
ENSG00000236780	LINC01829	2	67123357	67397980	274623	lncRNA-antisense	-1.45	6.46E-04	1.23E-02
ENSG00000257943	AC084879.1	12	95311312	95442482	131170	transcribed unitary pseudogene	-1.45	5.86E-03	4.59E-02
ENSG00000196460	RFX8	2	101397359	1.01E+08	77753	protein coding	-1.45	1.81E-04	5.40E-03
ENSG00000260190	AL807752.5	9	136937169	1.37E+08	819	lncRNA-sense overlapping	-1.45	1.51E-03	2.04E-02
ENSG00000231057	AC096637.2	1	211675749	2.12E+08	14354	lncRNA-antisense	-1.45	4.25E-03	3.82E-02
ENSG00000241388	HNF1A-AS1	12	120941728	1.21E+08	39237	lncRNA	-1.45	2.80E-03	2.97E-02
ENSG00000261697	AC010531.4	16	87262759	87292438	29679	lncRNA-sense intronic	-1.45	3.93E-03	3.65E-02
ENSG00000117069	ST6GALNAC5	1	76867480	77067546	200066	protein coding	-1.45	1.84E-04	5.46E-03
ENSG00000286032	FP236383.6	21	8465254	8465586	332	TEC	-1.45	6.44E-03	4.83E-02
ENSG00000237463	LRR3C52-AS1	1	165476838	1.66E+08	105317	lncRNA-antisense	-1.46	7.17E-05	2.95E-03
ENSG00000255282	WTAPP1	11	102746968	1.03E+08	89798	inscribed processed pseudogene	-1.46	2.21E-03	2.59E-02
ENSG00000226377	AC084809.1	17	32876759	32881070	4311	lncRNA-antisense	-1.46	6.19E-03	4.73E-02
ENSG00000124678	TCP11	6	35118071	35148610	30539	protein coding	-1.46	2.63E-03	2.86E-02
ENSG00000246640	PICART1	17	50050349	50055739	5390	lncRNA	-1.46	5.86E-03	4.59E-02
ENSG00000278975	HYDIN2	1	146472566	1.47E+08	441728	inscribed unprocessed pseudogene	-1.46	1.15E-04	4.07E-03
ENSG00000116882	HAO2	1	119368779	1.19E+08	25351	protein coding	-1.46	3.62E-03	3.47E-02
ENSG00000166763	STRCP1	15	43699441	43718260	18819	inscribed unprocessed pseudogene	-1.46	3.88E-03	3.62E-02
ENSG00000247324	AC010547.1	16	71462278	71465941	3663	lncRNA-antisense	-1.46	1.69E-03	2.18E-02
ENSG00000260188	AC002464.1	6	110477907	1.1E+08	1529	lncRNA-antisense	-1.46	6.13E-03	4.70E-02
ENSG00000231764	DLX6-AS1	7	96955141	97014088	58947	lncRNA-antisense	-1.46	4.74E-05	2.24E-03
ENSG00000237588	AL566866.3	1	156687695	1.57E+08	4302	lncRNA	-1.46	1.01E-03	1.61E-02
ENSG00000230666	CEACAM22P	19	44537058	44620821	83763	inscribed unprocessed pseudogene	-1.46	3.36E-04	8.04E-03
ENSG00000246695	RASSF8-AS1	12	25936683	25959765	23082	lncRNA-antisense	-1.46	2.43E-05	1.35E-03
ENSG00000069482	GAL	11	68683779	68691175	7396	protein coding	-1.46	1.67E-03	2.16E-02
ENSG00000231924	PSG1	19	42866464	42879822	13358	protein coding	-1.46	4.74E-03	4.05E-02
ENSG00000172742	OR4D9	11	59511368	59520703	9335	protein coding	-1.46	1.96E-03	2.38E-02
ENSG00000167751	KLK2	19	50861568	50880567	18999	protein coding	-1.46	3.47E-04	8.21E-03
ENSG00000234394	AL353608.3	9	68306528	68330626	24098	lncRNA	-1.47	3.13E-03	3.16E-02
ENSG00000244593	AC025062.1	8	18383274	18383917	643	processed pseudogene	-1.47	4.27E-03	3.82E-02
ENSG00000171560	FGA	4	154583128	1.55E+08	7617	protein coding	-1.47	6.34E-03	4.79E-02
ENSG00000166959	MS4A8	11	60699585	60715807	16222	protein coding	-1.47	2.44E-03	2.74E-02
ENSG00000188674	C2orf80	2	208165343	2.08E+08	24687	protein coding	-1.47	5.42E-03	4.37E-02
ENSG00000261175	LINC02188	16	86710122	86742083	31961	lncRNA	-1.47	1.66E-04	5.11E-03
ENSG00000243130	PSG11	19	43007656	43026474	18818	protein coding	-1.47	3.42E-03	3.35E-02
ENSG00000198650	TAT	16	71565660	71577092	11432	protein coding	-1.47	5.24E-04	1.07E-02
ENSG00000254423	AC087203.1	8	12374366	12375546	1180	processed pseudogene	-1.47	9.49E-04	1.56E-02
ENSG00000069122	ADGRF5	6	46852522	46954943	102421	protein coding	-1.47	2.74E-04	7.02E-03
ENSG00000255484	LINC02764	11	112534220	1.13E+08	21582	lncRNA	-1.47	6.74E-03	4.97E-02
ENSG00000214814	FER1L6	8	123851987	1.24E+08	268074	protein coding	-1.47	1.48E-04	4.78E-03
ENSG00000184608	FAM167A-AS1	8	11368402	11438658	70256	lncRNA-antisense	-1.47	7.20E-05	2.95E-03
ENSG00000230523	LINC01756	1	29329620	29350114	20494	lncRNA	-1.48	4.80E-03	4.07E-02

ENSG00000203688	LINC02487	6	167679626	1.68E+08	16664	lncRNA	-1.48	1.04E-03	1.64E-02
ENSG00000285985	LINC02689	11	1350359	1364286	13927	lncRNA	-1.48	1.03E-03	1.63E-02
ENSG00000282886	PTMAP12	9	94347234	94347563	329	processed pseudogene	-1.48	2.50E-03	2.78E-02
ENSG00000279688	AC024610.2	17	33827699	34079100	251401	lncRNA	-1.48	5.84E-05	2.50E-03
ENSG00000259425	AC011767.1	15	22770523	22776199	5676	inscribed unprocessed pseudogene	-1.48	1.16E-03	1.75E-02
ENSG00000138356	AOX1	2	200586014	2.01E+08	91050	protein coding	-1.48	1.86E-04	5.47E-03
ENSG00000164746	C7orf57	7	48035511	48061304	25793	protein coding	-1.48	9.94E-04	1.60E-02
ENSG00000101076	HNF4A	20	44355700	44434596	78896	protein coding	-1.48	1.05E-06	1.16E-04
ENSG00000170484	KRT74	12	52565782	52573843	8061	protein coding	-1.48	7.79E-04	1.38E-02
ENSG00000287671	AC068418.3	17	21442805	21451525	8720	lncRNA	-1.48	7.22E-05	2.95E-03
ENSG00000018607	ZNF806	2	132304806	1.32E+08	22049	inscribed unprocessed pseudogene	-1.48	3.35E-03	3.30E-02
ENSG00000259709	AC023906.4	15	52124561	52140246	15685	lncRNA-antisense	-1.48	5.91E-03	4.61E-02
ENSG00000011677	GABRA3	X	152166234	1.52E+08	285081	protein coding	-1.48	2.19E-03	2.57E-02
ENSG00000226835	ARHGAP29-AS1	1	94247819	94411036	163217	lncRNA	-1.48	5.26E-04	1.07E-02
ENSG00000229116	AL137026.1	10	44282489	44293998	11509	lncRNA	-1.48	2.00E-03	2.41E-02
ENSG00000284601	AL590440.2	1	54974900	54980464	5564	RNA-bidirectional promoter lncRNA	-1.48	6.41E-03	4.82E-02
ENSG00000161652	IZUMO2	19	50152548	50163195	10647	protein coding	-1.49	5.99E-03	4.64E-02
ENSG00000142973	CYP4B1	1	46757838	46819413	61575	protein coding	-1.49	1.96E-04	5.65E-03
ENSG00000205312	KRT17P4	17	16847635	16852777	5142	inscribed unprocessed pseudogene	-1.49	4.43E-03	3.89E-02
ENSG00000009709	PAX7	1	18630846	18748866	118020	protein coding	-1.49	1.84E-05	1.11E-03
ENSG00000253047	AL356356.1	1	150600539	1.51E+08	120	snoRNA	-1.49	1.24E-03	1.83E-02
ENSG00000187185	AC092118.1	16	57798186	57816946	18760	lncRNA	-1.49	4.10E-03	3.74E-02
ENSG00000286785	LINC01622	6	958323	1101400	143077	lncRNA	-1.49	4.76E-04	1.00E-02
ENSG00000279725	AL391005.1	10	127734562	1.28E+08	2434	TEC	-1.49	1.57E-03	2.09E-02
ENSG00000267313	KC6	18	41465783	41632185	166402	lncRNA	-1.49	4.07E-03	3.73E-02
ENSG00000180806	HOCXC9	12	53994895	54003337	8442	protein coding	-1.49	4.99E-03	4.18E-02
ENSG00000221882	OR3A2	17	3276942	3386317	109375	protein coding	-1.49	3.24E-04	7.84E-03
ENSG00000182963	GJC1	17	44798448	44830816	32368	protein coding	-1.49	4.53E-04	9.71E-03
ENSG00000196335	STK31	7	23710203	23832513	122310	protein coding	-1.49	2.71E-05	1.46E-03
ENSG00000234080	AL596275.1	1	50326131	50327007	876	processed pseudogene	-1.49	1.22E-03	1.81E-02
ENSG00000229613	LINC01501	9	90462899	90583821	120922	lncRNA	-1.49	5.44E-03	4.38E-02
ENSG00000183833	CFAP91	3	119703022	1.2E+08	64080	protein coding	-1.50	5.03E-03	4.20E-02
ENSG00000168314	MOBP	3	39467198	39529479	62281	protein coding	-1.50	3.34E-05	1.72E-03
ENSG00000262833	AC016245.1	17	80801640	80805632	3992	lncRNA-antisense	-1.50	5.29E-04	1.07E-02
ENSG00000256022	LINC02411	12	127631248	1.28E+08	5240	lncRNA	-1.50	6.75E-03	4.97E-02
ENSG00000203392	AC105020.1	15	75678548	75680752	2204	lncRNA-antisense	-1.50	1.66E-04	5.10E-03
ENSG00000288253	AC010332.3	19	52453580	52458836	5256	lncRNA	-1.50	2.18E-05	1.25E-03
ENSG00000267260	AC020928.1	19	36773112	36777078	3966	lncRNA	-1.50	2.85E-04	7.20E-03
ENSG00000196754	S100A2	1	153561108	1.54E+08	6782	protein coding	-1.50	9.46E-04	1.56E-02
ENSG00000264151	AC090403.1	18	27335968	27595164	259196	lncRNA	-1.50	6.74E-03	4.97E-02
ENSG00000162365	CYP4A22	1	47137435	47149735	12300	protein coding	-1.50	6.00E-04	1.17E-02
ENSG00000260338	LINC01570	16	5596856	5616373	19517	lncRNA-antisense	-1.50	9.98E-04	1.61E-02
ENSG00000232420	IL9RP2	10	80394	86265	5871	unprocessed pseudogene	-1.50	4.13E-04	9.18E-03
ENSG00000234913	AC016027.2	22	18004270	18007308	3038	lncRNA-sense intronic	-1.50	6.29E-03	4.78E-02
ENSG00000174567	GOLT1A	1	204198163	2.04E+08	15825	protein coding	-1.50	3.52E-03	3.41E-02
ENSG00000260913	LINC01254	18	10405133	10414515	9382	lncRNA	-1.50	1.42E-03	1.97E-02
ENSG00000088386	SLC15A1	13	98683801	98752672	68871	protein coding	-1.50	7.71E-04	1.37E-02
ENSG00000279796	AL133384.2	10	114424445	1.14E+08	2953	TEC	-1.50	1.31E-03	1.89E-02
ENSG00000226374	LINC01345	1	3944547	3949024	4477	lncRNA	-1.50	1.78E-03	2.25E-02
ENSG00000171864	PRND	20	4721909	4728460	6551	protein coding	-1.50	3.29E-03	3.26E-02
ENSG00000258590	NBEAP1	15	20657638	20688408	30770	inscribed unprocessed pseudogene	-1.50	7.21E-05	2.95E-03
ENSG00000260604	AL590004.3	6	3904920	3911979	7059	lncRNA	-1.50	1.11E-03	1.70E-02
ENSG00000279579	LINC01666	21	8759077	8761335	2258	lncRNA	-1.50	4.71E-03	4.03E-02
ENSG00000251391	AC092353.1	5	66298394	66393521	95127	lncRNA	-1.50	5.38E-03	4.35E-02
ENSG00000144290	SLC4A10	2	161424332	1.62E+08	560950	protein coding	-1.50	1.33E-04	4.44E-03
ENSG00000186377	CYP4X1	1	47023669	47050751	27082	protein coding	-1.50	1.03E-03	1.63E-02
ENSG00000287581	AC016549.1	5	14356886	14359285	2399	lncRNA	-1.50	1.07E-03	1.67E-02
ENSG00000249306	LINC01411	5	174336295	1.75E+08	196162	lncRNA	-1.50	2.09E-04	5.87E-03
ENSG00000188039	NWD1	19	16719847	16817963	98116	protein coding	-1.51	4.16E-05	2.04E-03
ENSG00000233421	LINC01783	1	16533886	16536172	2286	lncRNA	-1.51	1.35E-04	4.48E-03
ENSG00000206633	SNORA80B	2	10446714	10446849	135	snoRNA	-1.51	4.65E-03	4.01E-02
ENSG00000257259	LINC02388	12	58565959	58781747	215788	lncRNA	-1.51	1.08E-03	1.67E-02
ENSG00000171561	OR2AT4	11	75081753	75096876	15123	protein coding	-1.51	1.30E-04	4.40E-03
ENSG00000204663	CST13P	20	23519146	23542018	22872	inscribed unprocessed pseudogene	-1.51	6.10E-03	4.69E-02
ENSG00000104055	TGM5	15	43232590	43266928	34338	protein coding	-1.51	9.47E-04	1.56E-02
ENSG00000250799	PRODH2	19	35799988	35813299	13311	protein coding	-1.51	9.92E-04	1.60E-02
ENSG00000279110	AL022323.3	22	25052122	25065241	13119	lncRNA-antisense	-1.51	1.16E-04	4.08E-03
ENSG00000260862	AC099506.1	16	82773319	82829638	56319	lncRNA-sense intronic	-1.51	2.49E-03	2.78E-02
ENSG00000183747	ACSM2A	16	20451461	20487669	36208	protein coding	-1.51	3.94E-05	1.95E-03
ENSG00000106809	OGN	9	92383268	92404696	21428	protein coding	-1.51	3.34E-03	3.29E-02
ENSG00000239444	AL353604.1	1	37154761	37325100	170339	lncRNA	-1.51	1.76E-03	2.24E-02
ENSG00000170054	SERPINA9	14	94462717	94479689	16972	protein coding	-1.51	5.36E-03	4.34E-02
ENSG00000286812	AP001120.5	18	11758977	11786181	27204	lncRNA	-1.51	5.15E-04	1.06E-02
ENSG00000171872	KLF17	1	44118821	44135140	16319	protein coding	-1.51	3.61E-04	8.41E-03
ENSG00000176194	CIDEA	18	12254361	12277595	23234	protein coding	-1.51	6.36E-04	1.21E-02
ENSG00000180532	ZSCAN4	19	57668935	57679152	10217	protein coding	-1.51	4.20E-03	3.80E-02
ENSG00000145692	BHMT	5	79111809	79132288	20479	protein coding	-1.52	4.32E-03	3.85E-02
ENSG00000188280	FAM230G	22	20338805	20354372	15567	lncRNA-antisense	-1.52	2.71E-03	2.91E-02
ENSG00000106823	ECM2	9	92493554	92536655	43101	protein coding	-1.52	1.97E-03	2.39E-02
ENSG00000254968	LINC02763	11	112393118	1.13E+08	231449	lncRNA	-1.52	2.91E-03	3.03E-02
ENSG00000223949	ROR1-AS1	1	64094379	64171342	76963	lncRNA-antisense	-1.52	6.85E-04	1.27E-02
ENSG00000259417	CTXND1	15	80195481	80252213	56732	protein coding	-1.52	4.37E-05	2.10E-03
ENSG00000188257	PLA2G2A	1	19975431	19980416	4985	protein coding	-1.52	3.60E-03	3.46E-02
ENSG00000188828	GLRA4	X	103702210	1.04E+08	26445	protein coding	-1.52	5.44E-04	1.09E-02
ENSG00000233399	LINC01648	1	30013952	30037612	23660	lncRNA	-1.52	3.33E-03	3.29E-02
ENSG00000253199	LINC02153	8	20972021	20995119	23098	lncRNA	-1.52	1.43E-03	1.97E-02
ENSG00000185467	KPNA7	7	99173574	99207506	33932	protein coding	-1.53	5.79E-03	4.55E-02

ENSG00000253227	AC090192.2	8	124271667	1.24E+08	7913	lncRNA	-1.53	2.00E-03	2.41E-02
ENSG00000287486	AC114291.1	5	1252006	1255976	3970	lncRNA	-1.53	1.56E-03	2.08E-02
ENSG00000109061	MYH1	17	10492307	10518542	26235	protein coding	-1.53	1.60E-04	4.99E-03
ENSG00000259520	AC051619.4	15	45235930	45279251	43321	lncRNA-antisense	-1.53	5.63E-05	2.50E-03
ENSG00000285530	AL445928.2	1	100220488	1E+08	32926	lncRNA-antisense	-1.53	2.86E-03	3.00E-02
ENSG00000084734	GCKR	2	27496839	27523684	26845	protein coding	-1.53	7.29E-04	1.33E-02
ENSG00000233508	AL021395.1	20	43189998	43202599	12601	lncRNA	-1.53	5.83E-03	4.57E-02
ENSG00000170214	ADRA1B	5	159865080	1.6E+08	107932	protein coding	-1.53	2.17E-03	2.55E-02
ENSG00000183668	PSG9	19	43211791	43269530	57739	protein coding	-1.53	1.22E-03	1.80E-02
ENSG00000229558	SACS-AS1	13	23418971	23428869	9898	lncRNA	-1.53	3.42E-03	3.35E-02
ENSG00000246022	ALDH1L1-AS2	3	126180012	1.26E+08	30157	lncRNA-antisense	-1.53	2.84E-03	3.00E-02
ENSG00000100191	SLS5A4	22	32218464	32255347	36883	protein coding	-1.53	1.11E-03	1.70E-02
ENSG00000165076	PRSS37	7	141836300	1.42E+08	5187	protein coding	-1.53	3.36E-03	3.30E-02
ENSG00000236700	LINC01010	6	134343307	1.35E+08	161274	lncRNA	-1.54	1.97E-03	2.39E-02
ENSG00000252010	SCARN5	2	233275727	2.33E+08	275	scaRNA	-1.54	4.69E-04	9.92E-03
ENSG00000204969	PCDH2	5	140794852	1.41E+08	217495	protein coding	-1.54	2.84E-03	3.00E-02
ENSG00000227463	AL390838.1	9	84059298	84098984	39686	lncRNA	-1.54	1.73E-03	2.21E-02
ENSG00000249131	PSD2-AS1	5	139740951	1.4E+08	6455	lncRNA	-1.54	2.59E-03	2.84E-02
ENSG00000225742	LINC02036	3	194202392	1.94E+08	47811	lncRNA	-1.54	2.63E-03	2.86E-02
ENSG00000158445	KCNB1	20	49293394	49484297	190903	protein coding	-1.54	1.97E-06	1.99E-04
ENSG00000135409	AMHR2	12	53423855	53431672	7817	protein coding	-1.54	1.66E-03	2.16E-02
ENSG00000152592	DMP1	4	87650280	87664361	14081	protein coding	-1.54	3.93E-03	3.65E-02
ENSG00000091129	NRCAM	7	108147623	1.08E+08	309094	protein coding	-1.54	5.67E-09	1.58E-06
ENSG00000226741	LINC02554	22	27307777	27318501	10724	lncRNA	-1.54	3.61E-04	8.41E-03
ENSG00000267259	ERVE-1	17	28232590	28235281	2691	lncRNA	-1.54	4.32E-03	3.85E-02
ENSG00000226133	LINC02794	1	48050659	48091736	41077	lncRNA	-1.54	6.64E-03	4.93E-02
ENSG00000187048	CYP4A11	1	46929177	46941484	12307	protein coding	-1.54	6.59E-04	1.24E-02
ENSG00000278891	AC105101.1	18	48147634	48150864	3230	TEC	-1.54	7.80E-04	1.38E-02
ENSG00000250133	HOXC-AS2	12	53993810	53996785	2975	lncRNA	-1.54	1.67E-03	2.16E-02
ENSG00000276710	CSPG4P10	15	82459472	82477258	17786	inscribed unprocessed pseudogene	-1.54	2.03E-04	5.79E-03
ENSG00000169340	PDILT	16	20359175	20404737	45562	protein coding	-1.54	1.59E-03	2.10E-02
ENSG00000259404	EFL1P1	15	84080168	84126604	46436	inscribed unprocessed pseudogene	-1.54	1.32E-03	1.89E-02
ENSG00000146521	LINC01558	6	167784537	1.68E+08	12335	lncRNA	-1.55	2.70E-04	6.94E-03
ENSG00000174226	SNX31	8	100572889	1.01E+08	90526	protein coding	-1.55	7.35E-04	1.33E-02
ENSG00000233342	AL139393.2	6	160926269	1.61E+08	16841	lncRNA	-1.55	6.65E-03	4.93E-02
ENSG00000228876	AC010745.2	2	16224047	16333978	10931	lncRNA	-1.55	4.47E-04	9.61E-03
ENSG00000268754	LINC01081	16	86221420	86301303	79883	lncRNA	-1.55	1.43E-03	1.98E-02
ENSG00000236052	LINC01643	22	34017422	34218796	201374	lncRNA	-1.55	5.91E-05	2.58E-03
ENSG00000264968	AC090844.2	17	39927742	39939601	11859	lncRNA	-1.55	2.12E-03	2.52E-02
ENSG00000213514	AL731556.1	10	77730766	77734769	4003	processed pseudogene	-1.55	3.34E-03	3.30E-02
ENSG00000185385	OR7A17	19	14878203	14886132	7929	protein coding	-1.55	6.65E-03	4.93E-02
ENSG00000213772	EIF1P7	2	9271292	9271628	336	processed pseudogene	-1.55	1.10E-03	1.69E-02
ENSG00000227742	CALR4P	1	51561866	51594897	33031	transcribed unitary pseudogene	-1.55	8.67E-04	1.48E-02
ENSG00000279652	Z82217.1	22	35992321	36000469	8148	lncRNA	-1.55	3.32E-04	7.99E-03
ENSG00000204481	PRAMEF14	1	13341892	13347134	5242	protein coding	-1.55	5.06E-03	4.20E-02
ENSG00000260492	CISTR	12	53746337	53757227	10890	lncRNA	-1.55	6.46E-03	4.84E-02
ENSG00000189280	GJB5	1	34755047	34758122	3465	protein coding	-1.55	6.59E-03	4.91E-02
ENSG00000163581	SLOC2A2	3	170996347	1.71E+08	30396	protein coding	-1.55	1.41E-03	1.96E-02
ENSG00000220891	LL22NC03-63E9.3	22	22559343	22566602	7259	lncRNA-antisense	-1.55	3.11E-03	3.15E-02
ENSG00000198759	EGLF6	X	13569601	13633575	63974	protein coding	-1.55	3.55E-04	8.33E-03
ENSG00000288079	AC026329.1	3	113259786	1.13E+08	7038	lncRNA	-1.56	6.26E-03	4.76E-02
ENSG00000226496	LINC00323	21	41141493	41148198	6705	lncRNA-antisense	-1.56	2.18E-03	2.56E-02
ENSG00000219891	ZSCAN12P1	6	28091154	28093664	2510	inscribed unprocessed pseudogene	-1.56	3.02E-03	3.09E-02
ENSG00000260790	AC092338.2	16	22374859	22378180	3321	lncRNA-antisense	-1.56	5.11E-03	4.23E-02
ENSG00000010379	SLC6A13	12	220621	262873	42252	protein coding	-1.56	2.71E-05	1.46E-03
ENSG00000201852	C8B	1	56929207	56966140	36933	protein coding	-1.56	5.65E-03	4.49E-02
ENSG00000129991	TNNI3	19	55151767	55157773	6006	protein coding	-1.56	3.26E-03	3.24E-02
ENSG00000204518	AADACL4	1	12644547	12667086	22539	protein coding	-1.56	2.33E-03	2.67E-02
ENSG00000237224	AL157832.2	10	129693722	1.3E+08	8395	lncRNA-antisense	-1.56	8.04E-04	1.41E-02
ENSG00000171724	VAT1L	16	77788564	77980107	191543	protein coding	-1.56	2.05E-04	5.81E-03
ENSG00000171931	FBXW10	17	18744026	18779349	35323	protein coding	-1.56	2.80E-04	7.13E-03
ENSG00000285954	AC119428.2	1	53344031	53365473	21442	lncRNA	-1.56	5.20E-03	4.27E-02
ENSG00000229010	AL161672.1	1	23140325	23141142	817	processed pseudogene	-1.56	6.08E-03	4.68E-02
ENSG00000254299	LINC01944	5	172543403	1.73E+08	15799	lncRNA	-1.56	6.56E-03	4.89E-02
ENSG00000233295	FAM90A20P	8	7295014	7298024	3010	unprocessed pseudogene	-1.56	4.92E-03	4.13E-02
ENSG00000260613	Z98885.2	22	49832449	49838901	6452	lncRNA	-1.56	5.79E-03	4.55E-02
ENSG00000182035	ADIG	20	38581195	38588463	7268	protein coding	-1.56	1.53E-03	2.06E-02
ENSG00000178125	PPP1R42	8	66964099	67056604	92505	protein coding	-1.56	6.17E-03	4.72E-02
ENSG00000077522	ACTN2	1	236664141	2.37E+08	100490	protein coding	-1.56	7.25E-05	2.95E-03
ENSG00000205420	KRT6A	12	52487176	52493257	6081	protein coding	-1.56	6.05E-04	1.17E-02
ENSG00000196109	ZNF676	19	22179089	22215801	36712	protein coding	-1.57	3.06E-03	3.11E-02
ENSG00000236819	LINC01563	17	21075362	21092351	16989	lncRNA	-1.57	5.25E-03	4.29E-02
ENSG00000248159	HSPA8P11	8	30237382	30240997	3615	processed pseudogene	-1.57	3.09E-03	3.14E-02
ENSG00000225249	LINC00378	13	60618991	61176758	55767	lncRNA	-1.57	1.70E-03	2.19E-02
ENSG00000260618	AC025917.1	15	52577842	52598709	20867	lncRNA-antisense	-1.57	5.69E-04	1.12E-02
ENSG00000236643	AL354928.1	9	124770123	1.25E+08	2804	lncRNA-antisense	-1.57	6.12E-03	4.69E-02
ENSG00000272281	TPTE2P2	13	52219344	52334277	114933	inscribed unprocessed pseudogene	-1.57	6.15E-04	1.19E-02
ENSG00000169594	BNC1	15	83255903	83284714	28811	protein coding	-1.57	2.91E-03	3.03E-02
ENSG00000286179	AL139351.2	20	48007875	48022237	14362	lncRNA	-1.57	3.90E-03	3.63E-02
ENSG00000214146	LINC02026	3	193957372	1.94E+08	46388	lncRNA	-1.57	3.61E-04	8.41E-03
ENSG00000204684	AL133464.1	20	22371216	22471557	100341	lncRNA	-1.57	1.16E-04	4.08E-03
ENSG00000254863	LINC02744	11	119987952	1.2E+08	7085	lncRNA	-1.57	2.15E-03	2.54E-02
ENSG00000268581	SIGLEC18P	19	51119987	51122965	2978	unprocessed pseudogene	-1.57	2.14E-03	2.53E-02
ENSG00000287859	AC008507.4	19	30058229	30060797	2568	lncRNA	-1.57	1.26E-04	4.32E-03
ENSG00000285402	AC244230.2	10	46375752	46537864	162112	lncRNA	-1.57	6.66E-03	4.93E-02
ENSG00000116721	PRAMEF1	1	12791397	12796628	5231	protein coding	-1.57	4.93E-03	4.14E-02
ENSG00000287009	AC021037.1	10	96129055	96130528	1473	lncRNA	-1.58	6.38E-04	1.22E-02

ENSG00000286561	AC011092.3	11	9982753	10000290	17537	lncRNA	-1.58	4.26E-03	3.82E-02
ENSG00000246740	PLA2G4E-AS1	15	41972763	41999094	26331	lncRNA-antisense	-1.58	7.70E-04	1.37E-02
ENSG00000101327	PDYN	20	1978757	1994285	15528	protein coding	-1.58	3.72E-03	3.53E-02
ENSG00000261303	AC022748.2	15	78660644	78736684	76040	transcribed unprocessed pseudogene	-1.58	1.93E-04	5.61E-03
ENSG00000248529	AC026746.1	5	61658474	61698432	39958	lncRNA-antisense	-1.58	8.24E-04	1.43E-02
ENSG00000260266	PIIP46	15	74350768	74364620	13852	transcribed processed pseudogene	-1.58	7.79E-04	1.38E-02
ENSG00000137674	MMP20	11	102576832	1.03E+08	48500	protein coding	-1.58	2.34E-03	2.67E-02
ENSG00000203995	ZYG11A	1	52842511	52894998	52487	protein coding	-1.58	4.48E-05	2.14E-03
ENSG00000257060	AC091078.1	15	93230034	93569483	33949	lncRNA	-1.58	1.11E-04	3.96E-03
ENSG00000284240	LINC02801	1	87212669	87264741	52072	lncRNA	-1.58	9.16E-04	1.53E-02
ENSG00000257639	AC005632.2	16	21532945	21550373	17428	unprocessed pseudogene	-1.58	3.40E-03	3.33E-02
ENSG00000204480	PRAMEF19	1	13369067	13371900	2833	protein coding	-1.58	4.57E-03	3.97E-02
ENSG00000116726	PRAMEF12	1	12773738	12777906	4168	protein coding	-1.59	2.76E-04	7.05E-03
ENSG00000150556	LYPD6B	2	149038107	1.49E+08	177155	protein coding	-1.59	5.63E-05	2.50E-03
ENSG00000156920	ADGRG4	X	136300963	1.36E+08	115927	protein coding	-1.59	6.95E-04	1.29E-02
ENSG00000230079	STK24P1	X	136295690	1.36E+08	4608	processed pseudogene	-1.59	2.07E-03	2.47E-02
ENSG00000148848	ADAM12	10	126012381	1.26E+08	376074	protein coding	-1.59	2.30E-15	1.43E-11
ENSG00000188959	C9orf152	9	110190048	1.1E+08	18141	protein coding	-1.59	1.31E-03	1.89E-02
ENSG00000258909	AC091078.2	15	93416850	93422576	5726	lncRNA	-1.59	5.19E-03	4.27E-02
ENSG00000229349	ACTG1P9	6	46204729	46207386	2657	processed pseudogene	-1.59	8.80E-04	1.49E-02
ENSG00000253633	AP002852.1	8	102528740	1.03E+08	11203	lncRNA	-1.59	5.94E-03	4.62E-02
ENSG00000105549	THEG	19	361747	376026	14279	protein coding	-1.59	1.10E-04	3.94E-03
ENSG00000285804	AC025774.1	5	72087782	72108000	20218	lncRNA-antisense	-1.59	1.70E-03	2.18E-02
ENSG00000226235	LEM1-AS1	1	205373252	2.05E+08	14188	lncRNA-antisense	-1.59	4.08E-03	3.73E-02
ENSG00000211452	DIO1	1	53891239	53911086	19847	protein coding	-1.59	2.42E-04	6.47E-03
ENSG00000226650	KIF4B	5	155013755	1.55E+08	4386	protein coding	-1.59	6.32E-03	4.79E-02
ENSG00000235268	KDM4E	11	95025258	95027596	2338	protein coding	-1.59	5.67E-03	4.49E-02
ENSG00000234593	KAZN-AS1	1	14338825	14419973	81148	lncRNA	-1.59	3.00E-04	7.45E-03
ENSG00000226567	LINC00606	3	10759350	10764209	4859	lncRNA	-1.59	2.83E-03	2.99E-02
ENSG00000260765	CES1P2	16	55728115	55750111	21996	unprocessed pseudogene	-1.59	2.47E-03	2.76E-02
ENSG00000287727	AL139423.2	1	10612222	10616452	4230	lncRNA	-1.59	2.34E-03	2.67E-02
ENSG00000237423	LINC01522	20	47976739	47990127	13388	lncRNA	-1.60	7.65E-04	1.36E-02
ENSG00000196166	C8orf86	8	38510834	38560939	50105	lncRNA	-1.60	5.26E-03	4.30E-02
ENSG00000279628	AC131280.1	15	20658900	20664970	6070	TEC	-1.60	1.50E-05	9.54E-04
ENSG00000225057	AC012485.1	2	238231684	2.38E+08	23949	lncRNA	-1.60	7.62E-04	1.36E-02
ENSG00000256115	LINC02443	12	5226196	5244199	18003	lncRNA	-1.60	1.16E-03	1.75E-02
ENSG00000174844	DNAH12	3	57293699	57544344	250645	protein coding	-1.60	9.80E-07	1.11E-04
ENSG00000231439	WASIR2	16	22910	25123	2213	lncRNA	-1.60	1.40E-03	1.95E-02
ENSG00000062096	ARFS	X	3041471	3112727	71256	protein coding	-1.60	1.61E-03	2.12E-02
ENSG00000234170	LINC02645	10	2368561	2502200	133639	lncRNA	-1.60	1.79E-04	5.36E-03
ENSG00000180785	OR51E1	11	4643420	4655488	12068	protein coding	-1.60	2.15E-03	2.54E-02
ENSG00000231768	LINC01354	1	234527887	2.35E+08	3916	lncRNA	-1.60	1.33E-03	1.91E-02
ENSG00000280425	AL357673.2	1	54137746	54142980	5234	lncRNA-antisense	-1.61	5.47E-04	1.10E-02
ENSG00000234721	LINC02092	17	73786675	73800966	14291	lncRNA	-1.61	9.70E-04	1.58E-02
ENSG00000186523	FAM86B1	8	12182096	12194133	12037	protein coding	-1.61	1.89E-04	5.53E-03
ENSG00000287171	AC006062.1	X	8487165	8504564	17399	lncRNA	-1.61	2.26E-03	2.62E-02
ENSG00000237972	TUBG1P	7	43918697	43920054	1357	processed pseudogene	-1.61	4.50E-03	3.94E-02
ENSG00000223843	EFCAB6-AS1	22	43516107	43560063	43956	lncRNA-antisense	-1.61	4.27E-04	9.34E-03
ENSG00000278890	FP325330.2	22	48052646	48058275	5629	lncRNA	-1.61	9.52E-06	6.89E-04
ENSG00000261504	LINC01686	1	182615254	1.83E+08	1375	lncRNA	-1.61	1.74E-03	2.21E-02
ENSG00000256124	LINC01152	17	72030291	72041310	11019	lncRNA	-1.61	5.00E-03	4.18E-02
ENSG00000236466	AL035670.1	6	46492052	46606162	114110	lncRNA-antisense	-1.62	1.60E-03	2.11E-02
ENSG00000256540	AC007406.3	12	166856	182399	15543	lncRNA	-1.62	1.42E-03	1.97E-02
ENSG00000256407	AL357673.1	1	54132686	54200073	67387	protein coding	-1.62	6.82E-03	5.00E-02
ENSG00000162039	MEIOB	16	1833986	1884294	50308	protein coding	-1.62	6.59E-03	4.91E-02
ENSG00000279699	AC004264.2	22	30275215	30276951	1736	TEC	-1.62	6.67E-03	4.94E-02
ENSG00000259724	LINC01581	15	93905405	94107938	202533	lncRNA	-1.62	5.75E-04	1.13E-02
ENSG00000287983	AL035251.1	20	39231115	39233836	2721	lncRNA	-1.62	1.19E-03	1.78E-02
ENSG00000171403	KRT9	17	41565836	41572059	6223	protein coding	-1.62	2.87E-03	3.01E-02
ENSG00000264772	AC016876.2	17	7572826	7582024	9198	lncRNA	-1.62	1.83E-03	2.28E-02
ENSG00000237991	RPL35P1	1	236981339	2.37E+08	369	processed pseudogene	-1.62	2.58E-03	2.83E-02
ENSG00000166569	CPLX4	18	59275156	59318649	43493	protein coding	-1.62	1.20E-03	1.78E-02
ENSG00000221878	PSG7	19	42924132	42937207	13075	protein coding	-1.62	2.85E-03	3.00E-02
ENSG00000279200	AC020558.5	17	17616043	17617745	1702	TEC	-1.63	3.85E-03	3.60E-02
ENSG00000250230	AP002754.1	11	61588442	61607550	19108	lncRNA	-1.63	2.63E-04	6.80E-03
ENSG00000283072	AL158175.1	20	22684958	22746991	62033	lncRNA	-1.63	8.81E-04	1.49E-02
ENSG00000270816	LINC00221	14	106482435	1.07E+08	38638	lncRNA	-1.63	2.70E-04	6.94E-03
ENSG00000267712	LINC01539	18	56083356	56137536	54180	lncRNA	-1.63	1.78E-03	2.25E-02
ENSG00000282021	AC100810.3	8	1758208	1760447	2239	lncRNA	-1.63	5.37E-04	1.08E-02
ENSG00000138039	LHCGR	2	48686774	48755730	68956	protein coding	-1.63	6.41E-03	4.82E-02
ENSG00000242221	PSG2	19	43064209	43083045	18836	protein coding	-1.63	1.26E-05	8.36E-04
ENSG00000170923	ORTG2	19	9100407	9107475	7068	protein coding	-1.63	1.50E-03	2.04E-02
ENSG00000177994	C2orf7	2	54330034	54383742	53708	protein coding	-1.63	6.63E-03	4.93E-02
ENSG00000116031	CD207	2	70830211	70835816	5605	protein coding	-1.63	4.29E-04	9.36E-03
ENSG00000215296	TMC05B	15	33235552	33247621	12069	transcribed unitary pseudogene	-1.63	1.11E-03	1.70E-02
ENSG00000212766	EWAS1	15	69072926	69095820	22894	lncRNA	-1.63	1.80E-03	2.26E-02
ENSG00000285797	AL512658.2	6	156350579	1.56E+08	39667	lncRNA	-1.63	4.35E-03	3.86E-02
ENSG00000285855	Z72006.1	22	48403462	48415571	12109	lncRNA	-1.64	1.14E-04	4.03E-03
ENSG00000215498	FAM230B	22	21167758	21192156	24398	lncRNA	-1.64	2.38E-04	6.42E-03
ENSG00000134020	PBP4	8	22713251	23000000	286749	protein coding	-1.64	4.42E-04	9.55E-03
ENSG00000199677	Y RNA	5	132993099	1.33E+08	101	misc RNA	-1.64	1.74E-03	2.22E-02
ENSG00000256417	AC006206.2	12	5290480	5383653	93173	lncRNA	-1.64	8.33E-04	1.44E-02
ENSG00000132840	BHMT2	5	79069767	79090069	20302	protein coding	-1.64	4.36E-04	9.48E-03
ENSG00000249346	LINC01016	6	33867506	33896919	29408	lncRNA	-1.64	4.51E-05	2.15E-03
ENSG00000236121	HAUS6P2	20	31341371	31344471	3100	processed pseudogene	-1.64	4.32E-03	3.85E-02
ENSG00000287583	AC018685.3	2	2697490	2701812	4322	lncRNA	-1.64	1.51E-04	4.82E-03
ENSG00000169006	NTSR2	2	11658178	11670195	12017	protein coding	-1.64	1.34E-04	4.45E-03

ENSG00000286933	AL022170.1	6	25632673	25640931	8258	lncRNA	-1.64	4.17E-03	3.78E-02
ENSG00000226668	AL136981.1	9	92882567	92899608	17041	inscribed unprocessed pseudogene	-1.65	6.04E-04	1.17E-02
ENSG00000259541	AP001150.1	11	120249759	1.2E+08	16173	lncRNA-antisense	-1.65	3.69E-04	8.52E-03
ENSG00000230960	AL109910.1	6	170254334	1.7E+08	8235	lncRNA-antisense	-1.65	5.72E-03	4.52E-02
ENSG00000230221	AL157384.1	9	95292338	95294810	2472	processed pseudogene	-1.65	5.07E-03	4.21E-02
ENSG00000267421	AC005498.2	19	56536156	56538575	2419	lncRNA	-1.65	5.58E-03	4.46E-02
ENSG00000267178	PHF5CP	19	19588091	19588415	324	processed pseudogene	-1.65	8.94E-04	1.51E-02
ENSG00000253868	FER1L6-AS2	8	124044395	1.24E+08	127127	lncRNA-antisense	-1.65	1.79E-03	2.25E-02
ENSG00000286036	AC017099.2	2	97618638	97638417	19779	lncRNA	-1.65	2.76E-03	2.94E-02
ENSG00000243193	PRKAR2B-AS1	7	107066591	1.07E+08	67142	lncRNA	-1.65	9.30E-04	1.54E-02
ENSG00000272710	AC090164.3	15	101522597	1.02E+08	2142	lncRNA	-1.65	1.77E-03	2.24E-02
ENSG00000259523	AC022613.2	15	29822631	29824081	1450	lncRNA-antisense	-1.65	3.59E-03	3.45E-02
ENSG00000234380	LINC01426	21	34745757	34784886	39129	lncRNA	-1.65	8.50E-04	1.45E-02
ENSG00000261522	AL845331.2	2	94575976	94587183	11207	inscribed unprocessed pseudogene	-1.65	1.56E-03	2.08E-02
ENSG00000182950	ODF3L1	15	75724041	75727688	3647	protein coding	-1.65	2.91E-03	3.03E-02
ENSG00000120498	TEX11	X	70528940	70908711	379771	protein coding	-1.65	2.17E-04	5.99E-03
ENSG00000277535	AL772284.1	X	119073226	1.19E+08	3147	protein coding	-1.65	4.58E-03	3.98E-02
ENSG00000006059	KRT33A	17	41346092	41350828	4736	protein coding	-1.66	2.51E-03	2.79E-02
ENSG00000228862	AC068389.1	8	60629662	60653561	23899	lncRNA	-1.66	3.63E-04	8.43E-03
ENSG00000260469	INSY1N1-AS1	15	73752317	73770613	18296	lncRNA	-1.66	4.50E-03	3.94E-02
ENSG00000263438	LINC01919	18	53568439	53629990	61551	lncRNA	-1.66	4.83E-03	4.09E-02
ENSG00000231258	ZSWIM5P2	17	20583758	20591180	7422	unprocessed pseudogene	-1.66	4.01E-03	3.69E-02
ENSG00000226409	AL450332.1	6	125370034	1.25E+08	75159	lncRNA	-1.66	5.92E-04	1.16E-02
ENSG00000149124	GLYAT	11	58640426	58731974	91548	protein coding	-1.66	1.49E-03	2.04E-02
ENSG00000260551	PWRN2	15	24162754	24169948	7194	lncRNA	-1.66	3.02E-03	3.09E-02
ENSG00000225493	LINC01107	2	238510690	2.39E+08	44364	lncRNA	-1.67	4.31E-04	9.39E-03
ENSG00000117148	ACTL8	1	17755333	17827063	71730	protein coding	-1.67	2.04E-04	5.80E-03
ENSG00000233670	PIRT	17	10822470	10838087	15617	protein coding	-1.67	6.68E-04	1.25E-02
ENSG00000185837	HDHDS-AS1	22	17159384	17165445	6061	lncRNA-antisense	-1.67	5.14E-03	4.25E-02
ENSG00000268460	AC006262.1	19	46201552	46214838	13286	lncRNA	-1.67	1.34E-05	8.72E-04
ENSG00000279391	AC116456.2	11	8075573	8077781	2208	TEC	-1.67	6.63E-03	4.93E-02
ENSG00000175832	ETV4	17	43527844	43579620	51776	protein coding	-1.67	7.49E-05	3.02E-03
ENSG00000224222	LINC02636	10	69994276	70019496	25220	lncRNA	-1.67	4.35E-03	3.86E-02
ENSG00000274775	Z82195.2	X	130445085	1.31E+08	79172	inscribed unprocessed pseudogene	-1.67	9.42E-07	1.09E-04
ENSG00000171056	SOX7	8	10723768	10730511	6743	protein coding	-1.67	3.01E-04	7.46E-03
ENSG00000268940	CT45A1	X	135713453	1.36E+08	10086	protein coding	-1.67	3.25E-06	2.92E-04
ENSG00000213509	PPIAP16	3	57941818	57942304	486	processed pseudogene	-1.67	5.48E-03	4.41E-02
ENSG00000253678	AC104964.1	8	10476591	10479446	2855	lncRNA	-1.68	2.84E-03	3.00E-02
ENSG00000255967	HADHAP2	12	8634367	8637608	3241	processed pseudogene	-1.68	3.93E-03	3.65E-02
ENSG00000224539	SAGE4P	X	135598927	1.36E+08	16504	unprocessed pseudogene	-1.68	8.34E-04	1.44E-02
ENSG00000172752	COL6A5	3	130345516	1.3E+08	139328	protein coding	-1.68	9.38E-07	1.09E-04
ENSG00000255750	AC022509.1	12	26229548	26319720	90172	lncRNA-antisense	-1.68	5.28E-03	4.30E-02
ENSG00000163815	CLEC3B	3	45001548	45036071	34523	protein coding	-1.68	5.11E-03	4.23E-02
ENSG00000228141	AC105339.1	15	82710471	82714029	3558	transcribed unitary pseudogene	-1.68	2.13E-04	5.94E-03
ENSG00000214866	DCDC2C	2	3703575	3848008	144433	protein coding	-1.68	1.71E-05	1.04E-03
ENSG00000282943	AC004784.1	19	42977463	43171515	194052	lncRNA-antisense	-1.68	5.88E-03	4.60E-02
ENSG00000248736	AC094105.2	5	2921496	2967955	46459	lncRNA	-1.68	1.88E-04	5.53E-03
ENSG00000230023	LINC02800	1	24200240	24211693	11453	lncRNA	-1.68	4.07E-03	3.72E-02
ENSG00000260896	ARLNC1	16	80826074	80892682	66608	lncRNA	-1.68	3.59E-05	1.81E-03
ENSG00000158022	TRIM63	1	26051301	26068436	17135	protein coding	-1.68	9.39E-04	1.55E-02
ENSG00000253298	LINC01845	5	159448556	1.59E+08	17735	lncRNA	-1.68	2.72E-03	2.92E-02
ENSG00000125398	SOX9	17	72121020	72126416	5396	protein coding	-1.68	7.76E-05	3.10E-03
ENSG00000170423	KRT78	12	52837804	52849092	11288	protein coding	-1.68	4.64E-04	9.84E-03
ENSG00000159527	PGLYRP3	1	153297862	1.53E+08	12856	protein coding	-1.69	2.23E-03	2.59E-02
ENSG00000230500	MXK-AS1	10	27744786	27767794	23008	lncRNA-antisense	-1.69	4.51E-03	3.94E-02
ENSG00000267670	AC022098.2	19	14030855	14031557	702	lncRNA-antisense	-1.69	3.47E-04	8.21E-03
ENSG00000285571	AL513548.4	6	26677003	26683211	6208	lncRNA	-1.69	2.50E-03	2.78E-02
ENSG00000187847	OR7E25P	19	9198354	9210067	11713	inscribed unprocessed pseudogene	-1.69	2.47E-04	6.54E-03
ENSG00000226440	LAMA4-AS1	6	112236093	1.12E+08	70916	lncRNA-antisense	-1.69	3.13E-03	3.17E-02
ENSG00000124391	IL17C	16	88638572	88640468	1896	protein coding	-1.69	1.41E-03	1.97E-02
ENSG00000179873	NLRP11	19	55785397	55836800	51403	protein coding	-1.69	1.50E-04	4.80E-03
ENSG00000233396	LINC01719	1	146052566	1.46E+08	9382	lncRNA	-1.69	7.52E-04	1.35E-02
ENSG00000284837	AC007846.1	17	5772234	5930696	158462	lncRNA	-1.69	2.37E-03	2.69E-02
ENSG00000176798	OR51L1	11	4994851	5005536	10685	protein coding	-1.69	2.64E-04	6.84E-03
ENSG00000267465	AC011525.2	19	31588159	31593786	5627	lncRNA	-1.69	7.14E-04	1.31E-02
ENSG00000258464	AL160237.1	14	23699797	23729757	29960	lncRNA	-1.70	1.03E-03	1.63E-02
ENSG00000284632	AL354702.1	1	38754216	38815979	61763	lncRNA	-1.70	1.45E-03	1.99E-02
ENSG00000237510	GPAT2P1	2	95789654	95800166	10512	inscribed unprocessed pseudogene	-1.70	1.31E-04	4.41E-03
ENSG00000268089	GABRP	X	152637895	1.53E+08	19647	protein coding	-1.70	1.21E-04	4.20E-03
ENSG00000259867	AC105411.1	16	80154979	80563354	408375	lncRNA-antisense	-1.70	6.87E-05	2.86E-03
ENSG00000131737	KRT34	17	41377650	41382403	4753	protein coding	-1.70	8.14E-04	1.42E-02
ENSG00000183034	OTOP2	17	74922950	74933912	10962	protein coding	-1.70	5.26E-04	1.07E-02
ENSG00000234988	LINC01849	2	100603752	1.01E+08	7790	lncRNA	-1.70	1.50E-03	2.04E-02
ENSG00000245059	AC092718.1	16	81077319	81078861	1542	lncRNA	-1.70	1.92E-03	2.35E-02
ENSG00000280057	AL022069.2	6	166388136	1.66E+08	1784	TEC	-1.70	3.86E-03	3.61E-02
ENSG00000197176	LINC02291	14	97632647	97686658	54011	lncRNA	-1.70	3.74E-03	3.54E-02
ENSG00000128510	CPA4	7	130293134	1.3E+08	31046	protein coding	-1.70	1.46E-04	4.72E-03
ENSG00000235470	NEURL1-AS1	10	103479603	1.04E+08	37790	lncRNA-antisense	-1.70	1.79E-03	2.25E-02
ENSG00000157111	TMEM171	5	73120569	73131809	11240	protein coding	-1.70	7.41E-04	1.34E-02
ENSG00000086896	HSD17B2	16	82035004	82098534	63530	protein coding	-1.71	1.42E-05	9.15E-04
ENSG00000228397	LINC01635	1	22023990	22026048	2058	lncRNA	-1.71	1.81E-03	2.26E-02
ENSG00000165583	SSX5	X	48186220	48196763	10543	protein coding	-1.71	5.70E-03	4.50E-02
ENSG00000250494	AC078852.2	4	1356581	1358075	1494	lncRNA-sense intronic	-1.71	5.94E-03	4.62E-02
ENSG00000254401	LINC02752	11	11020883	11183611	162728	lncRNA	-1.71	1.46E-04	4.73E-03
ENSG00000221826	PSG3	19	42721638	42740481	18843	protein coding	-1.71	3.95E-03	3.66E-02
ENSG00000204478	PRAMEF20	1	13416351	13421328	4977	protein coding	-1.71	8.00E-04	1.40E-02
ENSG00000278920	AC005005.4	22	31051630	31068327	16697	lncRNA-sense overlapping	-1.71	5.81E-05	2.55E-03

ENSG00000232725	U52111.1	X	153735626	1.54E+08	30852	lncRNA-antisense	-1.71	8.54E-05	3.34E-03
ENSG00000232423	PRAMEF6	1	12938472	12947580	9108	protein coding	-1.71	6.36E-03	4.81E-02
ENSG00000145192	AHSG	3	186613060	1.87E+08	8258	protein coding	-1.71	3.92E-04	8.90E-03
ENSG00000234967	AL357558.2	20	47950797	47954808	4011	lncRNA	-1.72	3.71E-04	8.55E-03
ENSG00000165204	OR1K1	9	122800123	1.23E+08	950	protein coding	-1.72	5.98E-03	4.63E-02
ENSG00000271519	AL590065.1	X	35864858	35869631	4773	processed pseudogene	-1.72	6.37E-03	4.81E-02
ENSG00000260072	AC008938.1	16	24472798	24495177	22379	lncRNA	-1.72	1.21E-05	8.12E-04
ENSG00000258952	SALRNA1	14	60639216	60642589	3373	lncRNA	-1.72	5.63E-04	1.12E-02
ENSG00000279774	AL590483.3	1	244064330	2.44E+08	3579	TEC	-1.72	2.20E-04	6.06E-03
ENSG00000226469	ADAM1B	12	111927018	1.12E+08	1999	unitary pseudogene	-1.72	4.10E-03	3.74E-02
ENSG00000243137	PSG.4	19	43192702	43207299	14597	protein coding	-1.72	9.81E-05	3.68E-03
ENSG00000287469	AC044798.3	16	49072543	49275579	203036	lncRNA	-1.72	5.28E-05	2.40E-03
ENSG00000181123	AC004832.1	22	30475364	30492804	17440	lncRNA-antisense	-1.72	1.55E-04	4.88E-03
ENSG00000183566	BPIFA4P	20	33193585	33210462	16877	inscribed unprocessed pseudogene	-1.72	1.17E-03	1.76E-02
ENSG00000167098	SUN5	20	32983773	33004433	20660	protein coding	-1.73	9.28E-04	1.54E-02
ENSG00000263667	AL035696.3	6	181466	205519	24053	lncRNA	-1.73	5.67E-04	1.12E-02
ENSG00000253267	DLGAP2-AS1	8	1565509	1622417	56908	lncRNA-antisense	-1.73	4.71E-04	9.93E-03
ENSG00000287242	AC073593.2	12	124786783	1.25E+08	22007	lncRNA	-1.73	4.28E-03	3.83E-02
ENSG00000179676	LINC00305	18	64079989	64149088	69099	lncRNA	-1.73	2.76E-03	2.94E-02
ENSG00000259420	AC046168.2	15	77568970	77608888	39918	lncRNA	-1.73	1.43E-03	1.97E-02
ENSG00000178997	EXD1	15	41182725	41230743	48018	protein coding	-1.73	2.46E-04	6.53E-03
ENSG00000088926	F11	4	186266189	1.86E+08	23492	protein coding	-1.73	5.35E-05	2.41E-03
ENSG00000073754	CD5L	1	157830911	1.58E+08	67345	protein coding	-1.73	5.02E-04	1.04E-02
ENSG00000237121	PIEZO1P2	20	58740532	58783821	43289	unprocessed pseudogene	-1.73	3.50E-04	8.26E-03
ENSG00000206422	LRR30	18	7231125	7232047	922	protein coding	-1.73	4.64E-03	4.00E-02
ENSG00000281560	LSINCT5	5	2712591	2715237	2646	lncRNA	-1.73	1.97E-03	2.39E-02
ENSG00000260343	LINC01043	13	112313467	1.12E+08	8291	lncRNA	-1.73	3.18E-04	7.74E-03
ENSG00000183888	SRARP	1	16004236	16008807	4571	protein coding	-1.73	4.60E-04	9.79E-03
ENSG00000264876	AP005209.1	18	10321380	10372387	51007	lncRNA	-1.73	1.30E-03	1.88E-02
ENSG00000286353	AC115282.1	3	54057690	54125377	67687	lncRNA	-1.73	3.72E-03	3.53E-02
ENSG00000286801	BX546033.1	22	43507824	43513727	5903	lncRNA	-1.73	5.93E-04	1.16E-02
ENSG00000164283	ESM1	5	54977867	55022671	44804	protein coding	-1.73	7.58E-04	1.36E-02
ENSG00000286289	AL133482.1	10	113482069	1.13E+08	9985	lncRNA	-1.73	6.80E-03	4.99E-02
ENSG00000259447	AC013652.2	15	39300418	39310782	10364	lncRNA	-1.73	6.38E-03	4.81E-02
ENSG00000261465	AC099518.4	16	19062144	19067691	5547	lncRNA-antisense	-1.74	2.24E-03	2.60E-02
ENSG00000265574	WDR45BP1	17	32111562	32112590	1028	processed pseudogene	-1.74	6.67E-03	4.94E-02
ENSG0000007908	SELE	1	169722640	1.7E+08	42065	protein coding	-1.74	4.53E-03	3.95E-02
ENSG00000185792	NLRP9	19	55708438	55738402	29964	protein coding	-1.74	5.13E-04	1.06E-02
ENSG00000170820	FSHR	2	48962157	49154527	192370	protein coding	-1.74	1.71E-03	2.20E-02
ENSG00000259674	AC092688.1	15	59406963	59408154	1191	processed pseudogene	-1.74	4.35E-03	3.86E-02
ENSG00000205858	LRR37	7	16526825	16581568	54743	protein coding	-1.74	2.99E-03	3.08E-02
ENSG00000229275	BX284656.1	22	48141542	48143229	1687	lncRNA	-1.74	1.88E-03	2.32E-02
ENSG00000286641	AC108073.3	4	187942164	1.88E+08	21181	lncRNA	-1.74	1.48E-03	2.02E-02
ENSG00000255583	AC084357.3	12	63682523	63724935	42412	inscribed unprocessed pseudogene	-1.74	6.12E-03	4.69E-02
ENSG00000227066	Z98257.1	1	20154171	20160568	6397	lncRNA	-1.74	3.01E-04	7.46E-03
ENSG00000124092	CTCFL	20	57495966	57525652	29686	protein coding	-1.74	6.50E-05	2.76E-03
ENSG00000203963	C1orf141	1	67092165	67231853	139688	protein coding	-1.74	1.03E-03	1.63E-02
ENSG00000287133	AC007279.1	2	201643398	2.02E+08	2592	lncRNA	-1.74	6.32E-03	4.79E-02
ENSG00000253408	AC083973.1	8	42233674	42271266	37592	lncRNA-antisense	-1.74	4.23E-04	9.31E-03
ENSG00000279006	AL022323.1	22	25048967	25051966	2999	lncRNA-antisense	-1.74	4.62E-04	9.81E-03
ENSG00000256195	AP020518.1	11	114343052	1.14E+08	53167	lncRNA-antisense	-1.75	1.43E-03	1.98E-02
ENSG00000234279	LINC01937	2	238554541	2.39E+08	186308	lncRNA	-1.75	5.12E-03	4.23E-02
ENSG00000184735	DDX53	X	22999960	23003589	3629	protein coding	-1.75	2.56E-03	2.82E-02
ENSG00000263278	AC233701.1	17	79598032	79603921	5889	lncRNA-sense intronic	-1.75	8.24E-05	3.25E-03
ENSG00000261018	AC002101.1	9	133611798	1.34E+08	21301	lncRNA-antisense	-1.75	3.04E-03	3.10E-02
ENSG00000255512	LINC02684	11	135061781	1.35E+08	14127	lncRNA	-1.75	1.51E-03	2.04E-02
ENSG00000114248	LRR31	3	169839172	1.7E+08	30763	protein coding	-1.75	2.33E-03	2.67E-02
ENSG00000287307	AC005772.2	17	15062087	15104517	42430	lncRNA	-1.75	4.38E-04	9.51E-03
ENSG00000275989	AL442128.1	13	110945478	1.11E+08	26125	inscribed unprocessed pseudogene	-1.75	5.65E-03	4.49E-02
ENSG00000230630	DNM3OS	1	172138397	1.72E+08	6443	lncRNA-antisense	-1.75	5.81E-03	4.56E-02
ENSG00000243479	MNX1-AS1	7	157010805	1.57E+08	5621	lncRNA	-1.75	3.44E-03	3.36E-02
ENSG00000131059	BPIFA3	20	33217310	33227806	10496	protein coding	-1.75	5.44E-04	1.09E-02
ENSG00000185662	SMIM23	5	171782432	1.72E+08	13694	protein coding	-1.75	2.53E-03	2.80E-02
ENSG00000186160	CYP4Z1	1	47067231	47118318	51087	protein coding	-1.75	1.90E-03	2.33E-02
ENSG00000279358	AP002833.3	11	126934886	1.27E+08	2264	TEC	-1.75	5.37E-03	4.35E-02
ENSG00000155890	TRIM42	3	140678064	1.41E+08	23086	protein coding	-1.75	1.27E-03	1.85E-02
ENSG00000286501	AC018545.1	3	150339478	1.5E+08	3732	lncRNA	-1.75	1.94E-03	2.36E-02
ENSG00000203643	AC012456.1	2	11721619	11724222	2603	lncRNA-antisense	-1.76	2.84E-03	3.00E-02
ENSG00000260762	ACSM5P1	16	20586550	20607107	20557	unprocessed pseudogene	-1.76	6.60E-04	1.24E-02
ENSG00000229976	AL118523.1	20	39757202	39815097	57895	lncRNA	-1.76	2.47E-03	2.77E-02
ENSG00000172458	IL17D	13	20702127	20723098	20971	protein coding	-1.76	7.19E-05	2.95E-03
ENSG00000227438	AP001471.1	21	46093264	46097530	4266	lncRNA-antisense	-1.76	3.20E-03	3.21E-02
ENSG00000158516	CPA2	7	130266863	1.3E+08	22935	protein coding	-1.76	1.19E-04	4.16E-03
ENSG00000242267	SKINT1L	1	48096092	48182428	86336	inscribed unprocessed pseudogene	-1.76	5.53E-04	1.10E-02
ENSG00000227304	AC067942.1	4	82494786	82496278	1492	inscribed processed pseudogene	-1.76	8.15E-04	1.42E-02
ENSG00000260459	FTLP14	16	68822587	68823070	483	processed pseudogene	-1.76	6.03E-03	4.66E-02
ENSG00000257582	LINC01475	10	99526350	99531177	4827	lncRNA	-1.76	1.28E-03	1.86E-02
ENSG00000102243	VGLL1	X	136532215	1.37E+08	24592	protein coding	-1.77	5.82E-03	4.57E-02
ENSG00000249840	GAPDPHP76	19	11585246	11587135	1889	unprocessed pseudogene	-1.77	5.85E-03	4.58E-02
ENSG00000204479	PRAMEF17	1	13389632	13392629	2997	protein coding	-1.77	4.88E-03	4.11E-02
ENSG00000267646	AC008543.5	19	11796084	11798598	2514	lncRNA-antisense	-1.77	2.98E-03	3.08E-02
ENSG00000237579	LINC01514	10	101176306	1.01E+08	17841	lncRNA	-1.77	2.70E-03	2.91E-02
ENSG00000254081	LINC01299	8	65526738	65562781	36043	lncRNA	-1.77	3.89E-03	3.62E-02
ENSG00000235430	ZSWIM5P1	17	15768717	15771426	2709	processed pseudogene	-1.77	6.80E-04	1.26E-02
ENSG00000220248	ZNF402P	22	16857619	16860718	3099	processed pseudogene	-1.77	5.04E-03	4.20E-02
ENSG00000144820	ADGRG7	3	100609601	1.01E+08	85878	protein coding	-1.77	4.49E-05	2.14E-03
ENSG00000227630	LINC01132	1	234724042	2.35E+08	12678	lncRNA	-1.77	1.19E-03	1.77E-02

ENSG00000183929	DUSP5P1	1	228650241	2.29E+08	1138	processed pseudogene	-1.78	6.78E-03	4.98E-02
ENSG00000280380	AC009831.4	18	31982899	31986087	3188	TEC	-1.78	1.79E-03	2.25E-02
ENSG00000276172	ELMO2P1	15	23083094	23121324	38230	transcribed unprocessed pseudogene	-1.78	4.64E-03	4.00E-02
ENSG00000169064	ZBBX	3	167239843	1.67E+08	168031	protein coding	-1.78	5.55E-04	1.11E-02
ENSG00000202354	RNY3	7	148983755	1.49E+08	101	misc RNA	-1.78	3.17E-04	7.71E-03
ENSG00000189433	GJB4	1	34759740	34762327	2587	protein coding	-1.78	2.90E-04	7.28E-03
ENSG00000259669	AC084759.2	15	53946709	53984010	37301	lncRNA	-1.78	9.73E-04	1.58E-02
ENSG00000274492	AL121768.1	14	88819608	88822151	2543	lncRNA	-1.78	1.78E-03	2.25E-02
ENSG00000286364	AL512308.1	6	453391	477829	24438	lncRNA	-1.78	4.93E-04	1.03E-02
ENSG00000196832	OR11G2	14	20190894	20201075	10181	protein coding	-1.78	3.31E-04	7.98E-03
ENSG00000147257	GPC3	X	133535745	1.34E+08	449849	protein coding	-1.78	6.25E-04	1.20E-02
ENSG00000183067	IGSF5	21	39745407	39802096	56689	protein coding	-1.78	5.18E-04	1.06E-02
ENSG00000234423	LINC01250	2	2895048	3126026	230978	lncRNA	-1.78	1.10E-04	3.94E-03
ENSG00000125850	OVOL2	20	17956979	18059188	102209	protein coding	-1.79	1.23E-03	1.81E-02
ENSG00000283535	AC007064.4	22	16844399	16846357	1958	unprocessed pseudogene	-1.79	4.60E-03	3.99E-02
ENSG00000146233	CYP39A1	6	46549580	46652830	103250	protein coding	-1.79	5.55E-04	1.11E-02
ENSG00000249026	CTNNA1P1	5	115389643	1.15E+08	2727	processed pseudogene	-1.79	2.81E-03	2.98E-02
ENSG00000278522	POTEB3	15	21405401	21440499	35098	protein coding	-1.79	4.65E-03	4.01E-02
ENSG00000173908	KRT28	17	40792196	40799959	7763	protein coding	-1.79	4.40E-04	9.53E-03
ENSG00000226829	AC093655.1	7	68149548	68319676	170128	lncRNA	-1.79	5.83E-03	4.57E-02
ENSG00000106819	ASPN	9	92456205	92482506	26301	protein coding	-1.79	1.50E-03	2.04E-02
ENSG00000225418	KLR1C5P	10	5122087	5135226	13139	unprocessed pseudogene	-1.79	5.68E-03	4.50E-02
ENSG00000283039	KLF18	1	44137821	44141631	3810	protein coding	-1.79	1.39E-03	1.95E-02
ENSG00000216560	LINC00955	4	3576869	3590711	13842	lncRNA	-1.79	7.83E-05	3.12E-03
ENSG00000288022	AC117488.1	3	125061448	1.25E+08	2262	lncRNA	-1.79	3.58E-03	3.45E-02
ENSG00000132639	SNAP25	20	10218830	10307418	88588	protein coding	-1.79	4.41E-05	2.12E-03
ENSG00000255335	LINC02729	11	17695266	17696994	1728	lncRNA-antisense	-1.79	3.26E-03	3.24E-02
ENSG00000258676	AC091544.2	15	92058741	92600545	19804	lncRNA	-1.80	4.21E-04	9.28E-03
ENSG00000263887	AC053481.2	17	62282702	62297026	14324	transcribed unprocessed pseudogene	-1.80	8.76E-04	1.49E-02
ENSG00000132031	MATN3	2	19992052	20012668	20616	protein coding	-1.80	2.60E-04	6.77E-03
ENSG00000267589	AC011444.4	19	6072823	6073527	704	processed pseudogene	-1.80	2.15E-03	2.54E-02
ENSG00000173124	ACSM6	10	95194200	95228928	34728	protein coding	-1.80	3.33E-04	8.00E-03
ENSG00000286146	FP236383.9	21	8420675	8421003	328	TEC	-1.80	1.82E-03	2.27E-02
ENSG00000165694	FRMD7	X	132076990	1.32E+08	51030	protein coding	-1.80	5.39E-04	1.09E-02
ENSG00000227582	ADGRF5P1	9	62860873	62864957	4084	transcribed processed pseudogene	-1.80	2.37E-03	2.69E-02
ENSG00000231009	CUBN1P	10	42694371	42714575	20204	unprocessed pseudogene	-1.80	6.64E-03	4.93E-02
ENSG00000188991	SLC15A5	12	16188485	16277685	89200	protein coding	-1.80	3.72E-03	3.53E-02
ENSG00000231367	LINC02613	2	38406527	38515934	109407	lncRNA	-1.80	2.75E-04	7.05E-03
ENSG00000223598	AL138733.1	6	151088103	1.51E+08	140344	lncRNA-antisense	-1.80	5.96E-03	4.63E-02
ENSG00000253833	DSTN3P	8	73984493	73984883	390	processed pseudogene	-1.81	4.92E-03	4.14E-02
ENSG00000254443	AC068733.1	11	6362799	6365267	2468	lncRNA	-1.81	3.17E-03	3.19E-02
ENSG00000287422	AL442071.2	1	39226670	39238620	11950	lncRNA	-1.81	3.68E-03	3.51E-02
ENSG00000115598	IL1RL2	2	102187006	1.02E+08	52996	protein coding	-1.81	1.11E-04	3.95E-03
ENSG00000287251	AP003062.2	11	134945118	1.35E+08	35456	lncRNA	-1.81	3.46E-04	8.21E-03
ENSG00000260298	ACTG1P16	16	50058150	50059231	1081	transcribed processed pseudogene	-1.81	6.01E-03	4.64E-02
ENSG00000230782	AL807761.4	9	106974833	1.07E+08	128155	lncRNA-antisense	-1.81	4.44E-03	3.90E-02
ENSG00000261435	AL592164.1	X	39837536	39848358	10822	lncRNA	-1.81	2.94E-03	3.05E-02
ENSG00000260880	HCCAT5	16	73092349	73099337	6988	lncRNA	-1.81	8.64E-04	1.47E-02
ENSG00000285706	AL807776.1	9	98798466	98807564	9098	RNA-bidirectional promoter lncRNA	-1.81	3.50E-03	3.39E-02
ENSG00000267091	CTBP2P7	19	36496916	36498159	1243	processed pseudogene	-1.81	1.03E-03	1.63E-02
ENSG00000287275	AC011451.4	19	9458119	9462388	4269	lncRNA	-1.81	3.26E-03	3.24E-02
ENSG00000140465	CYP1A1	15	74719542	74725536	5994	protein coding	-1.82	3.65E-03	3.49E-02
ENSG00000256596	AC026358.1	12	124206228	1.24E+08	2790	lncRNA	-1.82	2.40E-03	2.72E-02
ENSG00000185479	KRT6B	12	52446651	52452146	5495	protein coding	-1.82	1.00E-04	3.71E-03
ENSG00000173239	LIPM	10	88820730	88820546	17816	protein coding	-1.82	4.56E-03	3.97E-02
ENSG00000222976	RNYSKP94	17	57789449	57789732	283	misc RNA	-1.82	3.29E-03	3.26E-02
ENSG00000267961	OR10B1P	19	15141105	15142062	957	unprocessed pseudogene	-1.82	6.73E-03	4.96E-02
ENSG00000174460	ZCCHC12	X	118823824	1.19E+08	3144	protein coding	-1.82	6.35E-04	1.21E-02
ENSG00000280078	AC016526.3	14	76279173	76283103	3930	TEC	-1.82	1.69E-04	5.18E-03
ENSG00000172986	GXYLT2	3	72888046	72998138	110092	protein coding	-1.82	2.26E-04	6.18E-03
ENSG00000267239	AP01198.1	18	13203774	13216367	12593	lncRNA-antisense	-1.82	2.35E-03	2.68E-02
ENSG00000277561	GOLGA8IP	15	22606022	22617854	11832	transcribed unprocessed pseudogene	-1.83	8.44E-07	1.01E-04
ENSG00000256292	LINC02376	12	127274265	1.27E+08	10063	lncRNA	-1.83	3.00E-03	3.09E-02
ENSG00000175202	HIGD2B	15	72675798	72686182	10384	protein coding	-1.83	2.98E-03	3.08E-02
ENSG00000286324	AL033381.3	6	1111367	1114329	2962	lncRNA	-1.83	3.82E-03	3.59E-02
ENSG00000120729	MYOT	5	137867858	1.38E+08	19993	protein coding	-1.83	9.07E-04	1.52E-02
ENSG00000243818	AC021074.3	3	142912116	1.43E+08	30421	lncRNA-antisense	-1.83	2.08E-04	5.86E-03
ENSG00000253415	AC016877.2	8	98904603	98905671	1068	processed pseudogene	-1.83	4.66E-03	4.01E-02
ENSG00000237290	LINC01343	1	38209034	38214806	5772	lncRNA	-1.83	1.35E-04	4.48E-03
ENSG00000181211	HECW1-IT1	7	43117896	43163187	45291	lncRNA-sense intronic	-1.83	5.79E-03	4.55E-02
ENSG00000287708	AL137017.1	9	14395791	14472407	76816	lncRNA	-1.83	1.16E-03	1.75E-02
ENSG00000135750	KCNK1	1	233614106	2.34E+08	58408	protein coding	-1.83	1.58E-05	9.86E-04
ENSG00000144837	PLA1A	3	119597875	1.2E+08	31936	protein coding	-1.84	2.31E-04	6.28E-03
ENSG00000121388	AL139327.1	13	19182038	19187618	5580	transcribed unprocessed pseudogene	-1.84	2.57E-03	2.82E-02
ENSG00000285347	AL359555.4	20	38260175	38293892	33717	lncRNA-antisense	-1.84	4.54E-04	9.71E-03
ENSG00000214141	ACTN4P2	1	37776670	37779418	2748	processed pseudogene	-1.84	2.24E-03	2.61E-02
ENSG00000263946	AC015818.3	17	20554971	20559410	4439	transcribed processed pseudogene	-1.84	4.83E-03	4.09E-02
ENSG00000259708	AC090607.3	15	78250502	78264156	13654	lncRNA-antisense	-1.84	5.26E-03	4.30E-02
ENSG00000287972	AC073648.7	4	9076949	9092530	15581	lncRNA	-1.84	2.62E-03	2.86E-02
ENSG00000233780	HNRNPA1P30	13	20938564	20949599	11035	transcribed processed pseudogene	-1.84	3.04E-03	3.10E-02
ENSG00000275645	AC068338.3	15	75346744	75347161	417	lncRNA-antisense	-1.84	3.49E-03	3.39E-02
ENSG00000140478	GOLGA6D	15	75282835	75295807	12972	protein coding	-1.84	5.29E-03	4.31E-02
ENSG00000284883	AC021066.2	12	52263948	52267461	3513	unprocessed pseudogene	-1.84	3.96E-03	3.67E-02
ENSG00000124089	MC3R	20	56248732	56249815	1083	protein coding	-1.84	1.07E-03	1.67E-02
ENSG00000205866	FAM99A	11	1665597	1667856	2259	lncRNA	-1.84	7.89E-04	1.39E-02
ENSG00000226527	AP000289.1	21	33110867	33123725	12858	lncRNA	-1.84	6.53E-04	1.23E-02
ENSG00000134812	CBLLIF	11	59829273	59845499	16226	protein coding	-1.84	7.36E-04	1.33E-02

ENSG00000250501	AC093766.1	4	138773537	1.39E+08	30030	lncRNA	-1.84	2.53E-03	2.80E-02
ENSG00000156575	PRG3	11	57376769	57381150	4381	protein coding	-1.84	5.04E-03	4.20E-02
ENSG00000259776	AC093426.1	1	239247808	2.39E+08	3010	lncRNA	-1.84	1.66E-03	2.16E-02
ENSG00000249584	LINC02225	5	57890327	57899162	8835	lncRNA	-1.84	2.50E-03	2.78E-02
ENSG00000262294	AC129507.2	17	352638	357581	4943	lncRNA-antisense	-1.84	5.34E-03	4.34E-02
ENSG00000288097	AP002448.1	11	111320379	1.11E+08	3437	lncRNA	-1.84	1.90E-03	2.34E-02
ENSG00000231163	CSMD2-AS1	1	33868953	33893726	24773	lncRNA-antisense	-1.85	9.29E-05	3.54E-03
ENSG00000240687	AC082651.1	2	9638745	9712920	74175	lncRNA	-1.85	9.00E-04	1.51E-02
ENSG00000287189	AL121956.7	6	166309572	1.66E+08	7898	lncRNA	-1.85	4.77E-03	4.06E-02
ENSG00000198183	BPIFA1	20	33235995	33243311	7316	protein coding	-1.85	4.60E-04	9.79E-03
ENSG00000287577	AC009533.4	12	9348030	9349268	1238	lncRNA	-1.85	3.74E-03	3.54E-02
ENSG00000287326	AL589787.1	10	126425930	1.26E+08	35027	lncRNA	-1.85	4.09E-04	9.13E-03
ENSG00000286645	AC013267.1	2	25000147	25010274	10127	lncRNA	-1.85	1.17E-03	1.76E-02
ENSG00000170613	FAM71B	5	157161846	1.57E+08	4418	protein coding	-1.86	1.74E-03	2.21E-02
ENSG00000251205	AC016598.2	5	143531331	1.44E+08	67103	lncRNA	-1.86	1.54E-03	2.06E-02
ENSG00000261210	CLEC19A	16	19285731	19322145	36414	protein coding	-1.86	4.87E-05	2.28E-03
ENSG00000224072	VEZTP1	X	46454097	46457199	3102	processed pseudogene	-1.86	1.91E-03	2.34E-02
ENSG00000103316	CRYM	16	21238874	21303083	64209	protein coding	-1.86	1.11E-06	1.22E-04
ENSG00000177993	ZNRF3-AS1	22	29024999	29031476	6477	lncRNA-antisense	-1.86	1.74E-03	2.22E-02
ENSG00000233503	HNRNPLP1	6	7481094	7482594	1500	processed pseudogene	-1.86	1.66E-03	2.16E-02
ENSG00000175684	TEX26	13	30932656	30975500	42844	protein coding	-1.86	7.40E-04	1.34E-02
ENSG00000263326	AC133552.4	16	25071490	25072727	1237	unprocessed pseudogene	-1.86	4.00E-03	3.69E-02
ENSG00000176754	LINC00303	1	204032447	2.04E+08	8818	lncRNA	-1.86	2.62E-04	6.80E-03
ENSG00000223587	LINC01986	3	11745	24849	13104	lncRNA	-1.87	2.36E-03	2.68E-02
ENSG00000283342	NBPF13P	1	147099482	1.47E+08	24803	unprocessed pseudogene	-1.87	4.72E-05	2.23E-03
ENSG00000262815	AC087501.2	17	9464742	9467422	2680	lncRNA-antisense	-1.87	5.24E-03	4.29E-02
ENSG00000225328	LINC01594	2	108167125	1.08E+08	50761	lncRNA-antisense	-1.87	6.43E-03	4.83E-02
ENSG00000267052	AC005050.1	7	106569876	1.07E+08	29032	lncRNA	-1.87	4.00E-03	3.69E-02
ENSG00000224982	TMEM233	12	119593774	1.2E+08	49301	protein coding	-1.87	8.44E-04	1.45E-02
ENSG00000286144	Z97056.2	22	38416565	38423933	7368	lncRNA	-1.87	2.26E-03	2.62E-02
ENSG00000224404	Z68323.1	22	34191194	34210564	19370	lncRNA	-1.87	7.51E-05	3.02E-03
ENSG00000160181	TFF2	21	42346357	42350997	4640	protein coding	-1.87	3.33E-03	3.28E-02
ENSG00000245975	AC090515.2	15	58768072	58770974	2902	lncRNA	-1.87	1.96E-03	2.38E-02
ENSG00000234859	AC003958.2	17	41402416	41425049	22633	lncRNA-antisense	-1.87	1.38E-04	4.54E-03
ENSG00000235881	AC114776.1	2	110709575	1.11E+08	7020	lncRNA	-1.87	2.85E-03	3.00E-02
ENSG00000287724	AC096536.3	1	54874672	54883664	8992	lncRNA	-1.88	3.43E-03	3.35E-02
ENSG00000146678	IGFBP1	7	45888360	45893660	5300	protein coding	-1.88	2.79E-03	2.96E-02
ENSG00000155918	RAET1L	6	150018334	1.5E+08	7198	protein coding	-1.88	2.43E-03	2.74E-02
ENSG00000278898	AC087045.3	8	134764809	1.35E+08	2467	TEC	-1.88	4.40E-03	3.88E-02
ENSG00000227496	AC099066.2	1	225700264	2.26E+08	51994	lncRNA	-1.88	6.12E-05	2.64E-03
ENSG00000280025	AL008638.6	22	27102766	27107019	4253	lncRNA	-1.88	2.24E-05	1.27E-03
ENSG00000274628	AL669942.1	9	66047084	66055006	7922	inscribed unprocessed pseudogene	-1.88	3.92E-04	8.90E-03
ENSG00000254083	LINC01591	8	135234131	1.35E+08	65588	lncRNA	-1.88	5.54E-03	4.44E-02
ENSG00000107295	SH3GL2	9	17579066	17797124	218058	protein coding	-1.88	1.84E-04	5.45E-03
ENSG00000197487	GALP	19	56176008	56185775	9767	protein coding	-1.88	3.70E-03	3.52E-02
ENSG00000270171	AL359881.3	1	7693124	7694844	1720	lncRNA	-1.88	1.24E-03	1.82E-02
ENSG00000105825	TFPI2	7	93885396	93890753	5357	protein coding	-1.88	1.11E-03	1.70E-02
ENSG00000101074	R3HDM1L	20	44337043	44351238	14195	protein coding	-1.88	4.20E-04	9.27E-03
ENSG00000272485	AL392183.1	6	774747	780214	5467	lncRNA	-1.88	4.05E-03	3.71E-02
ENSG00000256659	LINC02368	12	128116730	1.28E+08	6373	lncRNA	-1.88	7.06E-04	1.30E-02
ENSG00000250026	TMPPRS11BNL	4	68184081	68218080	33999	inscribed unprocessed pseudogene	-1.88	5.36E-03	4.35E-02
ENSG00000233405	LINC01046	13	21224521	21235204	10683	lncRNA	-1.89	1.33E-03	1.90E-02
ENSG00000273024	INTS4P2	7	65647823	65718688	70865	inscribed unprocessed pseudogene	-1.89	7.20E-04	1.32E-02
ENSG00000235295	LINC01634	22	18029385	18037968	8583	lncRNA	-1.89	1.52E-03	2.05E-02
ENSG00000158901	WFDCh	20	45551153	45579326	28173	protein coding	-1.89	6.61E-03	4.92E-02
ENSG00000198217	OR51H2P	11	4871717	4878117	6400	inscribed unprocessed pseudogene	-1.89	5.65E-03	4.49E-02
ENSG00000288002	AC091912.3	5	8207019	8366437	159418	lncRNA	-1.89	5.98E-03	4.63E-02
ENSG00000274340	AC032011.1	15	62387327	62388875	1548	lncRNA	-1.90	1.98E-03	2.40E-02
ENSG00000277020	AL590096.1	13	20564708	20567045	2337	lncRNA-antisense	-1.90	7.09E-04	1.30E-02
ENSG00000253130	AC114550.1	8	8561386	8574038	12652	lncRNA	-1.90	9.36E-04	1.55E-02
ENSG00000285856	AL353704.1	13	111148196	1.11E+08	4975	lncRNA-antisense	-1.90	4.38E-03	3.87E-02
ENSG00000274403	AC090510.2	15	42726583	42727211	628	lncRNA-antisense	-1.90	3.49E-03	3.39E-02
ENSG00000229606	LINC01718	20	61079049	61083750	4701	lncRNA	-1.90	4.44E-04	9.58E-03
ENSG00000132958	TPT2	13	19422877	19536762	113885	protein coding	-1.90	2.41E-04	6.46E-03
ENSG00000267443	AC010641.1	19	397589	399173	1584	lncRNA	-1.91	1.72E-03	2.20E-02
ENSG00000229967	MAGEA4-AS1	X	151904431	1.52E+08	9537	lncRNA-antisense	-1.91	1.38E-03	1.94E-02
ENSG00000244471	AL137058.1	13	52488993	52587095	98102	inscribed unprocessed pseudogene	-1.91	1.15E-04	4.06E-03
ENSG00000264859	DSG2-AS1	18	31542146	31556948	14802	lncRNA-antisense	-1.91	1.77E-03	2.24E-02
ENSG00000112214	FHL5	6	96562548	96616636	54088	protein coding	-1.91	4.41E-03	3.88E-02
ENSG00000282375	AC100797.4	8	738548	740374	1826	lncRNA	-1.91	1.30E-04	4.40E-03
ENSG00000231382	NBPF21P	3	36616006	36637457	21451	unprocessed pseudogene	-1.91	4.81E-03	4.08E-02
ENSG00000232624	LINC01517	10	28743506	28941910	198404	lncRNA	-1.91	2.67E-08	5.88E-06
ENSG00000172497	ACOT12	5	81329996	81394179	64183	protein coding	-1.91	2.87E-04	7.22E-03
ENSG00000163530	DPPA2	3	109293788	1.09E+08	22729	protein coding	-1.91	2.27E-03	2.63E-02
ENSG00000261250	AL160286.3 (AXDND1-AS1)	1	179543201	1.8E+08	5721	lncRNA-antisense	-1.91	2.63E-03	2.86E-02
ENSG00000284665	AC002472.4	22	21071082	21081018	9936	unprocessed pseudogene	-1.91	3.13E-03	3.16E-02
ENSG00000243167	RPS10P28	19	42670005	42670816	811	processed pseudogene	-1.91	3.05E-03	3.11E-02
ENSG00000260230	FRRS1L	9	109130293	1.09E+08	36956	protein coding	-1.91	3.68E-08	7.69E-06
ENSG00000223418	LIMK2P1	X	11704123	11705590	1467	processed pseudogene	-1.91	2.57E-03	2.82E-02
ENSG00000094661	OR111	19	15082211	15092970	10759	protein coding	-1.91	7.01E-06	5.45E-04
ENSG00000183671	GPR1	2	206175316	2.06E+08	42731	protein coding	-1.91	4.08E-04	9.11E-03
ENSG00000259299	AC061965.2	15	29233673	29235137	1464	processed pseudogene	-1.91	5.57E-03	4.46E-02
ENSG00000236013	AL357146.1	6	139976352	1.4E+08	117369	lncRNA	-1.91	7.42E-04	1.34E-02
ENSG00000232913	PLCE1-AS2	10	94081950	94108814	26864	lncRNA-antisense	-1.92	4.35E-05	2.10E-03
ENSG00000273492	AP000229.1	21	26170871	26217381	46510	lncRNA	-1.92	1.59E-03	2.10E-02
ENSG00000280515	SALRNA2	15	70635249	70637314	2065	lncRNA	-1.92	4.76E-03	4.05E-02
ENSG00000225216	AC007362.1	2	205756469	2.06E+08	7537	lncRNA-antisense	-1.92	1.19E-03	1.78E-02

ENSG00000253932	AC019270.1	8	13338574	13342754	4180	lncRNA-antisense	-1.92	1.71E-03	2.20E-02
ENSG00000253955	AC008663.2	5	173578275	1.74E+08	6793	lncRNA-antisense	-1.93	1.16E-04	4.08E-03
ENSG00000243715	CACNA2D3-AS1	3	54874605	54901255	26650	lncRNA-antisense	-1.93	3.46E-03	3.36E-02
ENSG00000230485	AC000077.1	22	19603750	19633574	2824	processed pseudogene	-1.93	1.42E-03	1.97E-02
ENSG00000286442	AL512603.1	10	23575012	23586224	11212	lncRNA	-1.94	4.64E-03	4.00E-02
ENSG00000217455	AC073316.1	7	3140234	3174654	34420	lncRNA	-1.94	8.98E-05	3.46E-03
ENSG00000265359	AC004231.4	17	40850800	40863282	12482	lncRNA-antisense	-1.94	3.31E-03	3.27E-02
ENSG00000287443	AL357558.3	20	47974137	47977584	3447	lncRNA	-1.94	2.76E-03	2.95E-02
ENSG00000204505	PRAMEF9	1	13172455	13179464	7009	protein coding	-1.94	4.12E-03	3.75E-02
ENSG00000250406	AC109811.1	4	144851572	1.45E+08	23215	lncRNA	-1.94	3.64E-03	3.48E-02
ENSG00000185860	CCDC190	1	162824458	1.63E+08	44357	protein coding	-1.94	2.85E-05	1.51E-03
ENSG00000225582	AC011193.1	17	34479272	34482148	2876	lncRNA	-1.94	5.67E-03	4.50E-02
ENSG00000203825	AC239859.1	1	143541768	1.44E+08	31066	unprocessed pseudogene	-1.94	6.34E-05	2.71E-03
ENSG00000250328	MGC32805	5	122436497	1.22E+08	42590	lncRNA-antisense	-1.94	2.76E-04	7.05E-03
ENSG00000122145	TBX22	X	80014753	80031774	17021	protein coding	-1.94	2.53E-03	2.80E-02
ENSG00000261617	LINC02177	16	9355588	9408093	52505	lncRNA	-1.95	9.12E-05	3.50E-03
ENSG00000267638	AC023855.1	17	44115912	44120595	4683	lncRNA-antisense	-1.95	4.56E-03	3.97E-02
ENSG00000257097	CLIP1-AS1	12	122395542	1.22E+08	5315	lncRNA	-1.95	2.16E-03	2.55E-02
ENSG00000272874	AL034548.1	20	267186	268857	1671	lncRNA	-1.95	1.78E-03	2.24E-02
ENSG00000228539	AL157413.1	20	24491472	24502345	10873	lncRNA-antisense	-1.95	6.44E-04	1.23E-02
ENSG00000159708	LRRC36	16	67326798	67385204	58406	protein coding	-1.95	9.15E-07	1.07E-04
ENSG00000269054	AC012313.6	19	58362583	58367593	5010	lncRNA-antisense	-1.95	6.74E-05	2.83E-03
ENSG00000243978	RTL9	X	110358816	1.1E+08	97518	protein coding	-1.95	9.95E-05	3.69E-03
ENSG00000249436	LINC0003	5	57574027	57619816	45789	lncRNA	-1.95	6.78E-05	2.84E-03
ENSG00000262962	KARS1P3	16	68002432	68004952	2520	unprocessed pseudogene	-1.96	5.57E-03	4.46E-02
ENSG00000255420	CASC23	11	8011278	8016520	5242	lncRNA-antisense	-1.96	5.92E-03	4.61E-02
ENSG00000215808	LINC01139	1	238476542	2.38E+08	9518	lncRNA	-1.96	6.69E-04	1.25E-02
ENSG00000175676	GOLGA8DP	15	23157366	23170711	13345	transcribed unprocessed pseudogene	-1.96	1.28E-03	1.86E-02
ENSG00000224682	SOC5SP2	9	135447446	1.35E+08	2708	processed pseudogene	-1.96	4.08E-04	9.10E-03
ENSG00000288541	AL353732.2	9	21410969	21422960	11991	lncRNA	-1.96	2.52E-06	2.39E-04
ENSG00000255838	AC069262.1	12	128944274	1.29E+08	929	unprocessed pseudogene	-1.96	6.04E-03	4.66E-02
ENSG00000259585	RBM17P4	15	35298249	35299440	1191	processed pseudogene	-1.96	1.37E-03	1.94E-02
ENSG00000233002	TBC1D26-AS1	17	15735023	15749192	14169	lncRNA-antisense	-1.96	4.97E-05	2.31E-03
ENSG00000231482	AC105450.1	2	1366234	1580747	214513	lncRNA	-1.96	7.47E-05	3.02E-03
ENSG00000213424	KRT222	17	40654665	40665181	10516	protein coding	-1.96	6.49E-03	4.86E-02
ENSG00000227586	RP526P39	10	123171535	1.23E+08	340	processed pseudogene	-1.96	5.10E-04	1.05E-02
ENSG00000235584	AC008268.1	2	95660588	95668727	8139	lncRNA	-1.96	6.40E-05	2.73E-03
ENSG00000286668	AL391730.2	1	40939294	40945524	6230	lncRNA	-1.97	3.27E-03	3.25E-02
ENSG00000229305	AL358876.1	1	8189824	8192770	2946	processed pseudogene	-1.97	6.29E-03	4.78E-02
ENSG00000258776	AL161757.4	14	56817570	56893710	76140	lncRNA	-1.97	1.50E-03	2.04E-02
ENSG00000287169	AC107050.1	4	186701579	1.87E+08	2507	lncRNA	-1.97	5.00E-03	4.18E-02
ENSG00000260750	AC092720.1	16	87595131	87600337	5206	lncRNA	-1.97	4.65E-04	9.86E-03
ENSG00000286770	AC100825.1	15	68483202	68487149	3947	lncRNA	-1.97	9.77E-04	1.58E-02
ENSG00000140527	WDR93	15	89690811	89743638	52827	protein coding	-1.98	1.02E-04	3.75E-03
ENSG00000267927	AC010320.1	19	52171158	52177002	5844	lncRNA-antisense	-1.98	1.94E-04	5.61E-03
ENSG00000213724	PRDX2P2	10	34965069	34966259	1190	processed pseudogene	-1.98	1.51E-03	2.05E-02
ENSG00000286240	AL034422.1	20	37338886	37344109	5223	lncRNA	-1.98	4.99E-03	4.17E-02
ENSG00000200314	Y RNA	6	106454828	1.06E+08	101	misc RNA	-1.98	3.53E-04	8.31E-03
ENSG00000248215	LINC02505	4	36496128	36641939	145811	lncRNA	-1.98	6.33E-03	4.79E-02
ENSG00000229913	AL380295.1	1	56823679	56826920	3241	lncRNA-antisense	-1.98	5.33E-03	4.33E-02
ENSG00000204754	LINC01951	5	174919082	1.75E+08	76431	lncRNA	-1.98	4.68E-03	4.02E-02
ENSG00000203870	SMIM9	X	154823348	1.55E+08	11314	protein coding	-1.98	3.30E-03	3.27E-02
ENSG00000250708	LINC02269	4	173699082	1.74E+08	302406	lncRNA	-1.98	4.11E-04	9.16E-03
ENSG00000266535	AC008133.1	17	33111858	33131743	19885	lncRNA-antisense	-1.98	1.08E-03	1.67E-02
ENSG00000288610	AL161869.4	14	103118351	1.03E+08	1796	lncRNA	-1.99	1.18E-03	1.77E-02
ENSG00000265943	AC090912.1	18	22699481	22933764	234283	lncRNA-antisense	-1.99	4.55E-03	3.97E-02
ENSG00000285630	AL590068.3	10	30587706	30591092	3386	lncRNA	-1.99	2.96E-03	3.06E-02
ENSG00000197595	ATP11AUN	13	112647044	1.13E+08	37453	lncRNA	-1.99	6.54E-05	2.77E-03
ENSG00000228016	RAPGEF4-AS1	2	172677141	1.73E+08	59065	lncRNA-antisense	-1.99	4.54E-05	2.16E-03
ENSG00000278480	ZBTB2P1	1	15226373	15227549	1176	processed pseudogene	-1.99	6.05E-03	4.67E-02
ENSG00000186847	KRT14	17	41582279	41586895	4616	protein coding	-1.99	2.55E-04	6.68E-03
ENSG00000287278	AL353800.2	10	33384891	33390935	6044	lncRNA	-1.99	1.36E-03	1.93E-02
ENSG00000278589	ZACNP1	4	108415220	1.08E+08	1419	unprocessed pseudogene	-1.99	2.77E-03	2.95E-02
ENSG00000287381	AC012433.2	18	50647315	50651212	3897	lncRNA	-1.99	5.17E-03	4.26E-02
ENSG00000274808	TBC1D3B	17	36165681	36176636	10955	protein coding	-2.00	1.79E-04	5.36E-03
ENSG00000287464	AC100810.7	8	1810823	1817113	6290	lncRNA	-2.00	3.38E-04	8.08E-03
ENSG00000228620	Z97056.1	22	38424288	38427336	3048	lncRNA-antisense	-2.00	6.23E-03	4.74E-02
ENSG00000182854	OR4F15	15	101812202	1.02E+08	7995	protein coding	-2.00	4.26E-03	3.82E-02
ENSG00000254265	AC100810.2	8	1730206	1731452	1246	processed pseudogene	-2.00	3.16E-03	3.19E-02
ENSG00000225129	AL035250.1	20	59352195	59357774	5579	lncRNA	-2.01	6.08E-03	4.68E-02
ENSG00000261131	AC012186.2	16	46660696	46661591	895	lncRNA-sense intronic	-2.01	6.47E-03	4.85E-02
ENSG00000101890	GUCY2F	X	109372906	1.09E+08	109180	protein coding	-2.01	3.47E-05	1.76E-03
ENSG00000222806	RNA5SP225	6	153420438	1.53E+08	134	rRNA pseudogene	-2.01	6.96E-06	5.43E-04
ENSG00000237268	AC092447.7	7	56421857	56448375	26518	transcribed unprocessed pseudogene	-2.01	1.07E-03	1.67E-02
ENSG00000101435	CST9L	20	23564732	23568484	3752	protein coding	-2.01	3.77E-03	3.56E-02
ENSG00000248698	LINC01085	4	14111968	14140052	28084	transcribed processed pseudogene	-2.01	2.19E-03	2.57E-02
ENSG00000201221	RNU4-40P	20	35887659	35887801	142	snRNA	-2.02	3.94E-03	3.65E-02
ENSG00000232628	AC092809.2	1	224208741	2.24E+08	4884	lncRNA-sense intronic	-2.02	8.23E-04	1.43E-02
ENSG00000202357	Y RNA	19	11408772	11408880	108	misc RNA	-2.02	2.46E-10	1.19E-07
ENSG00000159961	OR3A3	17	3411370	3424070	12700	protein coding	-2.02	4.50E-05	2.15E-03
ENSG00000207546	MIR548C	12	64622509	64622605	96	miRNA	-2.02	2.67E-03	2.88E-02
ENSG00000230937	MIR205HG	1	209428817	2.09E+08	4021	lncRNA	-2.02	2.00E-04	5.72E-03
ENSG00000250894	PRAMEF31P	1	13245863	13248652	2789	unprocessed pseudogene	-2.02	1.89E-04	5.53E-03
ENSG00000231253	LINC01640	22	33104330	33145861	41531	lncRNA	-2.02	1.04E-03	1.64E-02
ENSG00000196136	SERPINA3	14	94612384	94624055	11671	protein coding	-2.02	4.16E-05	2.04E-03
ENSG00000253557	AC100849.1	8	19084992	19259469	174477	lncRNA	-2.02	1.12E-03	1.70E-02
ENSG00000231421	AC011840.1	17	30573471	30577000	3529	lncRNA	-2.02	3.46E-05	1.76E-03

ENSG00000230423	AL672310.1	6	170615515	1.71E+08	123021	lncRNA	-2.02	9.32E-05	3.55E-03
ENSG00000174156	GSTA3	6	52896639	52909698	13059	protein coding	-2.03	2.52E-03	2.79E-02
ENSG00000286842	AL353752.2	9	87436215	87445795	9580	lncRNA	-2.03	2.06E-03	2.46E-02
ENSG00000251211	AC136632.2	5	178165702	1.78E+08	860	processed pseudogene	-2.04	2.86E-03	3.00E-02
ENSG00000259419	HNRNP33	15	79236332	79237206	874	processed pseudogene	-2.04	3.58E-04	8.38E-03
ENSG00000225731	PDE9A-AS1	21	42733594	42741758	8164	lncRNA-antisense	-2.04	3.62E-03	3.47E-02
ENSG00000242536	AC079943.2	3	157814822	1.58E+08	274175	lncRNA	-2.04	1.54E-03	2.07E-02
ENSG00000235253	AC010240.2	5	132942932	1.33E+08	2118	processed pseudogene	-2.04	3.44E-04	8.20E-03
ENSG00000250247	SEPHS2P1	5	14960232	14961393	1161	processed pseudogene	-2.04	3.14E-03	3.17E-02
ENSG00000260209	AP000842.3	11	125873031	1.26E+08	1497	lncRNA	-2.05	5.23E-03	4.28E-02
ENSG00000238215	AL513185.3	10	72643011	72644650	1639	processed pseudogene	-2.05	3.86E-03	3.61E-02
ENSG00000237194	SNAI1P1	2	209808804	2.1E+08	776	processed pseudogene	-2.05	4.27E-03	3.82E-02
ENSG00000224071	DNMT3AP1	2	66820684	66822570	1886	processed pseudogene	-2.05	8.15E-04	1.42E-02
ENSG00000257376	AC079601.2	12	42431665	42433357	1692	processed pseudogene	-2.05	8.46E-04	1.45E-02
ENSG00000286113	AC022868.1	8	73879046	73882733	3687	RNA-bidirectional promoter lncRNA	-2.05	2.54E-03	2.81E-02
ENSG00000167916	KRT24	17	40697991	40703752	5761	protein coding	-2.05	3.84E-05	1.92E-03
ENSG00000286041	AC074139.1	19	32127334	32184504	57170	lncRNA	-2.05	2.22E-03	2.59E-02
ENSG00000248340	PIMREGP4	4	26873561	26874349	788	processed pseudogene	-2.05	5.82E-03	4.57E-02
ENSG00000260141	AC145350.2	16	33043609	33095431	51822	lncRNA	-2.06	1.76E-03	2.23E-02
ENSG00000285640	AP001999.2	11	134685044	1.35E+08	16960	lncRNA	-2.06	4.15E-04	9.20E-03
ENSG00000284748	AL513220.1	1	37596126	37607336	11210	RNA-bidirectional promoter lncRNA	-2.06	2.01E-03	2.42E-02
ENSG00000183644	HOATZ	11	111514785	1.12E+08	22246	protein coding	-2.06	2.76E-04	7.05E-03
ENSG00000233427	AL009181.1	1	28870483	28877336	6853	lncRNA-antisense	-2.06	8.81E-04	1.49E-02
ENSG00000184166	OR1D2	17	3088484	3104422	15938	protein coding	-2.06	7.42E-05	3.01E-03
ENSG00000206145	P2RX6P	22	21035243	21045017	9774	inscribed unprocessed pseudogene	-2.06	1.58E-03	2.10E-02
ENSG00000287533	AC011477.8	19	19757951	19774809	16858	lncRNA	-2.06	2.49E-03	2.78E-02
ENSG00000232615	AC026412.2	5	1614836	1616334	1498	processed pseudogene	-2.07	1.17E-03	1.76E-02
ENSG00000285875	AL035446.2	6	140575788	1.41E+08	322593	lncRNA	-2.07	4.35E-03	3.86E-02
ENSG00000283459	AC009804.2	12	114894632	1.15E+08	3897	lncRNA	-2.07	3.58E-04	8.38E-03
ENSG00000203783	PRR9	1	153217584	1.53E+08	1726	protein coding	-2.07	1.56E-03	2.08E-02
ENSG00000137709	POU2F3	11	120236640	1.2E+08	83305	protein coding	-2.07	2.37E-08	5.32E-06
ENSG00000230508	RPL19P21	X	150993501	1.51E+08	590	processed pseudogene	-2.07	3.50E-04	8.26E-03
ENSG00000224565	LINC01754	20	47391925	47412327	20402	lncRNA	-2.07	8.41E-04	1.44E-02
ENSG00000176256	HMG4	1	33860475	33864791	4316	protein coding	-2.07	4.05E-05	1.99E-03
ENSG00000261104	AC093904.4	2	9106593	9109865	3272	lncRNA	-2.07	3.97E-05	1.96E-03
ENSG00000227729	RD3L	14	103940426	1.04E+08	2135	protein coding	-2.07	5.75E-03	4.53E-02
ENSG00000233932	CTXN2	15	48178122	48203758	25636	protein coding	-2.08	2.78E-04	7.10E-03
ENSG00000237439	Z83839.1	22	32129689	32130612	923	inscribed unprocessed pseudogene	-2.08	6.29E-03	4.78E-02
ENSG00000237595	LINC01275	20	50162765	50166216	3451	lncRNA	-2.08	1.29E-03	1.87E-02
ENSG00000276409	CCL14	17	35983288	35987004	3716	protein coding	-2.08	5.36E-03	4.34E-02
ENSG00000258534	AL132712.1	14	103854366	1.04E+08	25745	lncRNA	-2.08	2.73E-03	2.92E-02
ENSG00000259093	AL137191.1	14	63122888	63178190	55302	lncRNA	-2.08	4.24E-03	3.82E-02
ENSG00000279142	AC009108.4	16	86595189	86597639	2450	TEC	-2.08	4.85E-04	1.02E-02
ENSG00000204193	TXNDC8	9	110303476	1.1E+08	34408	protein coding	-2.08	9.05E-04	1.52E-02
ENSG00000260756	AC131649.1	16	10351440	10352752	1312	lncRNA	-2.08	9.65E-04	1.58E-02
ENSG00000277526	AC245123.1	8	2562813	2623382	60569	lncRNA	-2.09	2.56E-04	6.68E-03
ENSG00000287552	AC109925.1	4	94315486	94343041	27555	lncRNA	-2.09	4.16E-04	9.12E-03
ENSG00000229145	ACTBP1	X	46288016	46289128	1112	processed pseudogene	-2.09	5.33E-04	1.08E-02
ENSG00000235494	AL590705.2	9	97222602	97235017	12415	lncRNA	-2.09	1.68E-03	2.17E-02
ENSG00000237589	HMG1P32	19	53767971	53768553	582	processed pseudogene	-2.09	3.42E-03	3.34E-02
ENSG00000245928	SDAT1-AS1	4	75980790	76005942	25152	lncRNA-antisense	-2.09	2.72E-03	2.91E-02
ENSG00000286498	AL132982.1	6	161353679	1.61E+08	1671	lncRNA	-2.09	4.92E-03	4.13E-02
ENSG00000164871	SPAG11B	8	7442684	7463674	20990	protein coding	-2.10	1.65E-03	2.15E-02
ENSG00000249186	AC140125.3	5	177856262	1.78E+08	14965	lncRNA-antisense	-2.10	3.66E-03	3.50E-02
ENSG00000164399	IL3	5	132060655	1.32E+08	2549	protein coding	-2.10	1.91E-03	2.34E-02
ENSG00000203472	AC009163.1	16	75475896	75495407	19511	lncRNA-antisense	-2.10	2.88E-03	3.01E-02
ENSG00000258497	AL359682.1	14	101257332	1.01E+08	20986	lncRNA	-2.10	3.91E-03	3.63E-02
ENSG00000236866	AL157902.1	1	117596832	1.18E+08	8938	lncRNA-antisense	-2.10	1.22E-03	1.81E-02
ENSG00000260782	AC007225.1	16	46789898	46792040	2142	processed pseudogene	-2.10	1.27E-03	1.85E-02
ENSG00000206072	SERPINB11	18	63647579	63726432	78853	protein coding	-2.10	3.92E-04	8.90E-03
ENSG00000254039	AC027801.4	17	49914403	49932918	18515	lncRNA	-2.10	5.66E-03	4.49E-02
ENSG00000232196	MTRNR2L4	16	3370979	3372668	1689	protein coding	-2.11	4.05E-03	3.71E-02
ENSG00000231513	E2F6P4	X	136097835	1.36E+08	513	processed pseudogene	-2.11	5.99E-03	4.64E-02
ENSG00000232596	LINC01646	1	4571481	4594016	22535	lncRNA	-2.11	3.19E-06	2.90E-04
ENSG00000166396	SERPINB7	18	63752935	63805376	52441	protein coding	-2.11	1.84E-04	5.45E-03
ENSG00000244067	GSTA2	6	52750087	52763475	13388	protein coding	-2.11	1.74E-03	2.21E-02
ENSG00000123307	NEUROD4	12	55019974	55030017	10043	protein coding	-2.11	2.99E-04	7.44E-03
ENSG00000234726	AC245060.3	22	22228719	22230469	1750	processed pseudogene	-2.11	5.29E-04	1.07E-02
ENSG00000169154	GOT1L1	8	37934281	37940124	5843	protein coding	-2.11	3.07E-03	3.12E-02
ENSG00000227555	MIR4290HG	9	90020654	90041499	20845	lncRNA	-2.12	1.61E-05	9.96E-04
ENSG00000288007	AC092803.4	1	212559363	2.13E+08	2036	lncRNA	-2.12	4.86E-04	1.02E-02
ENSG00000213908	CYP2A7P1	19	41024268	41027720	3452	unprocessed pseudogene	-2.12	6.89E-04	1.28E-02
ENSG00000231381	RNF2P1	9	6668999	6670008	1009	processed pseudogene	-2.12	4.10E-03	3.74E-02
ENSG00000214970	AC005323.1	17	10579040	10623036	43996	lncRNA-antisense	-2.12	4.95E-03	4.15E-02
ENSG00000237402	CAMTA1-IT1	1	7368942	7370270	1328	lncRNA-sense intronic	-2.13	1.70E-03	2.19E-02
ENSG00000280285	AC108215.1	4	56662469	56665694	3225	TEC	-2.13	6.75E-04	1.26E-02
ENSG00000214249	CTAGE11P	13	75237944	75240296	2352	processed pseudogene	-2.13	2.86E-03	3.00E-02
ENSG00000254109	RBPMS-AS1	8	30382119	30385401	3282	lncRNA-antisense	-2.13	5.06E-04	1.04E-02
ENSG00000230533	AL356234.2	6	137657998	1.38E+08	105986	lncRNA	-2.13	9.60E-04	1.57E-02
ENSG00000278703	AC100847.1	18	57588611	57589091	480	lncRNA	-2.13	5.19E-03	4.27E-02
ENSG00000188655	RNASE9	14	20556093	20560931	4838	protein coding	-2.13	2.43E-03	2.73E-02
ENSG00000286461	AC024730.1	7	154544169	1.55E+08	3116	lncRNA	-2.14	3.71E-03	3.52E-02
ENSG00000248942	LINC01335	5	74258689	74321255	62566	lncRNA	-2.14	1.31E-03	1.89E-02
ENSG00000218027	AL512329.1	6	1513698	1515289	1591	processed pseudogene	-2.14	3.10E-04	7.61E-03
ENSG00000229828	PDE4DIP1	1	148080598	1.48E+08	13285	unprocessed pseudogene	-2.14	2.36E-03	2.69E-02
ENSG00000254529	MRGPRX7P	11	18863558	18864509	951	unprocessed pseudogene	-2.14	1.61E-03	2.12E-02
ENSG00000258553	AL157911.1	14	59969116	60091783	122667	lncRNA-antisense	-2.14	1.13E-03	1.71E-02

ENSG00000285734	AC005414.1	12	2440189	2457392	17203	lncRNA-antisense	-2.14	1.83E-04	5.43E-03
ENSG00000226542	AC114814.1	2	235084822	2.35E+08	3764	lncRNA	-2.14	2.73E-03	2.92E-02
ENSG00000221888	OR1C1	1	247754846	2.48E+08	5710	protein coding	-2.14	4.33E-03	3.85E-02
ENSG00000171509	RXFP1	4	158315311	1.59E+08	338061	protein coding	-2.14	1.59E-07	2.54E-05
ENSG00000261584	AL513548.1	6	26686241	26687964	1723	lncRNA	-2.15	4.56E-03	3.97E-02
ENSG00000184650	ODF4	17	8339840	8346048	6208	protein coding	-2.15	3.23E-03	3.22E-02
ENSG00000272975	MYHAS	17	10383144	10623886	240742	lncRNA-antisense	-2.15	4.65E-04	9.86E-03
ENSG00000231957	GNAI2P2	10	78068623	78069538	915	processed pseudogene	-2.15	3.50E-03	3.39E-02
ENSG00000178596	GAPDHP29	1	94302038	94303022	984	processed pseudogene	-2.15	3.30E-03	3.26E-02
ENSG00000184029	DSCR4	21	37951425	38121360	169935	lncRNA	-2.15	2.40E-04	6.45E-03
ENSG00000227599	PTPRT-AS1	20	42968743	42971492	2749	lncRNA-antisense	-2.15	1.95E-03	2.37E-02
ENSG00000267193	AC091151.1	18	45573084	45575504	2420	lncRNA-antisense	-2.16	3.16E-03	3.19E-02
ENSG00000282863	AC012560.1	10	78179174	78675109	495935	lncRNA	-2.16	2.21E-03	2.59E-02
ENSG00000260239	LINC02533	6	4488798	4495769	6971	lncRNA	-2.16	3.74E-03	3.54E-02
ENSG00000152595	MEPE	4	87821411	87846817	25406	protein coding	-2.16	2.83E-03	2.99E-02
ENSG00000142789	CELA3A	1	22001657	22012542	10885	protein coding	-2.16	7.27E-04	1.32E-02
ENSG00000250374	TRIM75P	4	165053864	1.65E+08	6690	protein coding	-2.16	3.17E-03	3.19E-02
ENSG00000227145	IL21-AS1	4	122618983	1.23E+08	70173	lncRNA-antisense	-2.16	4.13E-05	2.03E-03
ENSG00000163209	SPRR3	1	153001747	1.53E+08	2109	protein coding	-2.16	4.70E-04	9.93E-03
ENSG00000236173	AL049612.1	6	169809318	1.7E+08	784	lncRNA	-2.16	3.35E-03	3.30E-02
ENSG00000238110	AL353572.2	9	87944276	87945023	747	processed pseudogene	-2.16	2.12E-03	2.52E-02
ENSG00000205279	CTXN3	5	127649044	1.28E+08	9586	protein coding	-2.16	2.23E-03	2.59E-02
ENSG00000179363	TMEM31	X	103710909	1.04E+08	3123	protein coding	-2.16	1.40E-03	1.95E-02
ENSG00000237934	AL590729.1	1	29223933	29224816	883	lncRNA-antisense	-2.16	4.50E-03	3.94E-02
ENSG00000224781	EIF4A2P4	X	52832704	52833899	1195	processed pseudogene	-2.16	5.61E-03	4.47E-02
ENSG00000224294	PINCR	X	43176994	43226598	49604	lncRNA	-2.16	2.31E-03	2.65E-02
ENSG00000196970	NXF4	X	102549965	1.03E+08	21730	transcribed unprocessed pseudogene	-2.16	1.18E-05	7.99E-04
ENSG00000240522	RPL7AP10	19	21149648	21150438	790	processed pseudogene	-2.16	6.30E-03	4.78E-02
ENSG00000264813	AC113554.1	17	63484823	63521848	37025	protein coding	-2.17	1.12E-03	1.71E-02
ENSG00000228528	AC068057.1	2	104702650	1.05E+08	3163	lncRNA	-2.17	7.13E-04	1.31E-02
ENSG00000283973	AC099795.1	1	42959065	42961864	2799	lncRNA	-2.17	5.68E-04	1.12E-02
ENSG00000255146	AP004247.2	11	58044110	58060138	16028	lncRNA	-2.17	3.45E-03	3.36E-02
ENSG00000131050	BPIFA2	20	33161768	33181412	19644	protein coding	-2.17	5.82E-05	2.55E-03
ENSG00000261636	LINC02191	16	25419812	25433686	13874	lncRNA	-2.17	6.30E-03	4.78E-02
ENSG00000187545	PRAMEF10	1	12892896	12898270	5374	protein coding	-2.17	1.68E-03	2.17E-02
ENSG00000278593	AC104394.1	2	234743542	2.35E+08	2064	unprocessed pseudogene	-2.17	3.32E-03	3.28E-02
ENSG00000250819	LINC02493	4	17171757	17186079	14322	lncRNA	-2.17	1.42E-03	1.97E-02
ENSG00000228570	NUTM2E	10	79841358	79850878	9520	protein coding	-2.17	6.54E-04	1.23E-02
ENSG00000235115	CHCHD2P8	13	28107431	28107877	446	processed pseudogene	-2.18	3.74E-03	3.54E-02
ENSG00000125888	BANF2	20	17693672	17735871	42199	protein coding	-2.18	2.94E-04	7.37E-03
ENSG00000279604	AC092723.2	16	86035627	86036419	792	TEC	-2.18	2.35E-03	2.68E-02
ENSG00000277150	F8A3	X	155456914	1.55E+08	1706	protein coding	-2.18	2.35E-06	2.28E-04
ENSG00000280255	AC004947.2	7	26538378	26541048	2670	TEC	-2.19	2.63E-03	2.86E-02
ENSG00000286082	AL133493.1	21	45596364	45625675	29311	lncRNA	-2.19	9.14E-04	1.53E-02
ENSG00000242042	LINC01743	1	246516039	2.47E+08	8248	lncRNA	-2.19	6.00E-03	4.64E-02
ENSG00000232771	PPP1R26P5	22	21341595	21345258	3663	processed pseudogene	-2.19	2.12E-03	2.52E-02
ENSG00000288069	AF064866.1	21	40736318	40754888	18570	lncRNA	-2.19	1.73E-03	2.21E-02
ENSG00000249031	SUMO2P6	5	174561776	1.75E+08	287	processed pseudogene	-2.19	6.05E-03	4.67E-02
ENSG00000229288	AL451142.2	9	88187735	88190202	2467	processed pseudogene	-2.19	6.74E-03	4.97E-02
ENSG00000260617	AC138028.5	16	88741631	88742367	736	lncRNA-antisense	-2.19	2.94E-03	3.05E-02
ENSG00000226921	LINC00454	13	113878489	1.14E+08	5162	lncRNA	-2.19	2.25E-06	2.21E-04
ENSG00000175772	LINC01106	2	110375138	1.1E+08	9304	lncRNA	-2.19	9.12E-04	1.52E-02
ENSG00000134216	CHIA	1	111290851	1.11E+08	29715	protein coding	-2.20	9.64E-06	6.96E-04
ENSG00000274892	AC011487.3	19	53512092	53512616	524	unprocessed pseudogene	-2.20	4.66E-03	4.01E-02
ENSG00000204709	LINC01556	6	28943877	28944537	680	lncRNA	-2.20	4.18E-03	3.78E-02
ENSG00000206903	SNORA24B	15	65285461	65285591	130	snoRNA	-2.20	9.30E-04	1.54E-02
ENSG00000259702	AC024337.1	15	96045341	96064357	19016	lncRNA	-2.20	1.52E-03	2.05E-02
ENSG00000240790	AC073934.1	7	127644685	1.28E+08	7327	lncRNA-antisense	-2.20	1.37E-03	1.93E-02
ENSG00000237373	BRWD1-IT1	21	39217093	39219805	2712	lncRNA-sense overlapping	-2.20	3.68E-04	8.51E-03
ENSG00000284670	AC092128.1	16	73940639	73941781	1142	transcribed processed pseudogene	-2.21	2.87E-03	3.01E-02
ENSG00000287055	AL359813.1	6	43370026	43425283	55257	lncRNA	-2.21	1.21E-04	4.19E-03
ENSG00000237417	XRCC6P1	10	93206857	93209627	2770	processed pseudogene	-2.22	5.51E-05	2.47E-03
ENSG00000230375	GSTA1P	6	52847910	52870329	22419	unprocessed pseudogene	-2.22	1.10E-03	1.69E-02
ENSG00000221996	OR52B4	11	4367263	4368386	1123	protein coding	-2.22	6.47E-03	4.85E-02
ENSG00000215833	QRSL1P1	1	168449672	1.68E+08	1539	processed pseudogene	-2.22	4.60E-03	3.99E-02
ENSG00000259876	AC010333.1	16	12556353	12557694	1341	lncRNA-antisense	-2.23	1.78E-03	2.24E-02
ENSG00000199622	RN7SKP20	X	13596236	13596548	312	misc RNA	-2.23	1.05E-03	1.64E-02
ENSG00000232166	AL122008.2	1	234284972	2.34E+08	569	processed pseudogene	-2.23	5.03E-03	4.19E-02
ENSG00000105141	CASP14	19	15049480	15058293	8813	protein coding	-2.23	9.21E-05	3.53E-03
ENSG00000268941	LINC01711	20	58634772	58635738	966	lncRNA	-2.23	2.04E-04	5.80E-03
ENSG00000287059	AC090004.2	3	14038647	14047181	8534	lncRNA	-2.23	6.73E-03	4.96E-02
ENSG00000230189	AC008267.2	7	66427949	66453634	25685	transcribed unprocessed pseudogene	-2.23	6.07E-06	4.87E-04
ENSG00000255353	ASS1P13	11	107176286	1.07E+08	1244	processed pseudogene	-2.23	2.50E-03	2.78E-02
ENSG00000286752	AC022509.5	12	26139249	26167741	28492	lncRNA	-2.24	3.16E-03	3.18E-02
ENSG00000223720	AL109659.1	1	48172972	48206857	33885	lncRNA	-2.24	9.02E-04	1.52E-02
ENSG00000278505	C17orf78	17	37375985	37392708	16723	protein coding	-2.24	4.46E-04	9.59E-03
ENSG00000229607	AL137027.1	1	30810378	30815553	5175	lncRNA	-2.24	5.97E-03	4.63E-02
ENSG00000232736	AC007551.1	7	35788122	35788640	518	processed pseudogene	-2.24	6.63E-03	4.93E-02
ENSG00000282692	AC129915.3	8	1018757	1019704	947	lncRNA	-2.24	4.63E-03	4.00E-02
ENSG00000205359	SLCO6A1	5	102371774	1.02E+08	127242	protein coding	-2.24	2.02E-05	1.18E-03
ENSG00000225125	RANP4	X	136807223	1.37E+08	654	processed pseudogene	-2.24	1.61E-03	2.12E-02
ENSG00000249497	LINC02075	17	49457861	49461749	3888	lncRNA	-2.24	1.00E-03	1.61E-02
ENSG00000260571	BNIP3P5	15	42313687	42314386	699	processed pseudogene	-2.24	9.66E-04	1.58E-02
ENSG00000248317	AC111194.1	4	54943626	54957832	14206	lncRNA	-2.24	4.08E-03	3.73E-02
ENSG00000286400	AC110926.1	2	127141976	1.27E+08	1817	lncRNA	-2.25	9.23E-04	1.53E-02
ENSG00000230051	AL020994.2	22	27331634	27379265	47631	lncRNA	-2.25	2.28E-06	2.23E-04
ENSG00000225877	PSG8-AS1	19	42821863	42826878	5015	lncRNA	-2.25	2.66E-04	6.88E-03

ENSG00000255451	AC010768.4	11	44468464	44470429	1965	lncRNA	-2.25	1.88E-03	2.32E-02
ENSG00000233492	AL133325.2	20	21530122	21535665	5543	lncRNA	-2.25	1.41E-03	1.97E-02
ENSG00000233064	AL136307.1	6	5851506	5870220	18714	lncRNA	-2.25	3.40E-03	3.33E-02
ENSG00000254237	AC021242.2	8	9367898	9436205	68307	lncRNA	-2.25	3.23E-05	1.67E-03
ENSG00000287906	AC127526.5	11	3475280	3477065	1785	lncRNA	-2.25	1.87E-03	2.31E-02
ENSG00000230637	AL227524.1	22	25327252	25339975	12723	unprocessed pseudogene	-2.25	6.48E-04	1.23E-02
ENSG00000223440	AL589642.1	9	32633454	32648685	15231	lncRNA-antisense	-2.26	1.36E-03	1.92E-02
ENSG00000131482	G6PC	17	42900797	42914438	13641	protein coding	-2.26	1.88E-05	1.13E-03
ENSG00000286052	AL109955.1	20	57442742	57458298	15556	lncRNA	-2.26	3.15E-04	7.69E-03
ENSG00000250535	GMNC	3	190852737	1.91E+08	39692	protein coding	-2.26	2.06E-03	2.47E-02
ENSG00000272937	OR6U2P	12	55608043	55615878	7835	transcribed unprocessed pseudogene	-2.27	3.92E-04	8.90E-03
ENSG00000277718	LINC02255	15	74379083	74390535	11452	lncRNA	-2.27	2.94E-03	3.05E-02
ENSG00000173389	IQCF1	3	51894876	51903353	8477	protein coding	-2.27	4.72E-03	4.03E-02
ENSG00000256377	AC009509.1	12	27696388	27710803	14415	lncRNA-antisense	-2.27	2.35E-05	1.32E-03
ENSG00000237664	LINC00316	21	45338590	45341990	3400	lncRNA	-2.27	4.00E-03	3.69E-02
ENSG00000135324	MRAP2	6	84033772	84090881	57109	protein coding	-2.27	1.74E-03	2.21E-02
ENSG00000226516	FAM138B	2	113577382	1.14E+08	1470	lncRNA	-2.27	2.41E-04	6.46E-03
ENSG00000275014	RN7SL166P	13	19736975	19737254	279	misc RNA	-2.28	1.21E-04	4.20E-03
ENSG00000232743	ELF2P3	9	87816465	87817970	1505	processed pseudogene	-2.28	2.13E-03	2.53E-02
ENSG00000261586	AC068987.3	12	51817899	51820150	2251	lncRNA	-2.28	9.56E-05	3.61E-03
ENSG00000257316	ASS1P14	12	32985838	32987070	1232	processed pseudogene	-2.28	1.53E-03	2.06E-02
ENSG00000276397	LINC01879	18	76686058	76693636	7578	lncRNA	-2.28	4.62E-04	9.81E-03
ENSG00000157965	SSX8P	X	52622935	52633948	11013	transcribed unprocessed pseudogene	-2.28	1.12E-04	3.98E-03
ENSG00000255808	PDE2A-AS1	11	72643237	72659407	16170	lncRNA-antisense	-2.28	4.67E-04	9.89E-03
ENSG00000228717	AF013593.1	X	151226229	1.51E+08	1486	processed pseudogene	-2.28	2.20E-03	2.57E-02
ENSG00000261669	AC008731.1	16	24803451	24819739	16288	lncRNA-antisense	-2.28	1.86E-03	2.30E-02
ENSG00000288006	AC137335.3	17	73912190	73931436	19246	lncRNA	-2.29	1.13E-03	1.71E-02
ENSG00000271232	CAR51P1	15	68749501	68750691	1190	processed pseudogene	-2.29	4.36E-03	3.86E-02
ENSG00000259535	RPL21P12	14	103148597	1.03E+08	811	processed pseudogene	-2.29	5.64E-03	4.48E-02
ENSG00000236495	AL158168.1	10	14652689	14661691	9002	lncRNA-antisense	-2.29	3.46E-04	8.21E-03
ENSG00000255128	HSPD1P3	8	7418991	7420546	1555	processed pseudogene	-2.29	2.12E-03	2.52E-02
ENSG00000120289	MAGEB4	X	30242000	30244187	2187	protein coding	-2.29	1.79E-03	2.25E-02
ENSG00000286911	AC009533.3	12	9347028	9350947	3919	lncRNA	-2.29	2.31E-03	2.66E-02
ENSG00000230399	RBBP8P1	X	118632375	1.19E+08	1843	processed pseudogene	-2.29	1.63E-03	2.13E-02
ENSG00000229316	HMG1P45	1	50398825	50399773	948	processed pseudogene	-2.30	2.48E-03	2.77E-02
ENSG00000233316	DSRC10	21	38206156	38208644	2488	lncRNA-sense intronic	-2.30	2.33E-03	2.67E-02
ENSG00000186860	KRTAP17-1	17	41314912	41315710	798	protein coding	-2.30	1.60E-03	2.11E-02
ENSG00000188784	PLA2G2E	1	19920009	19923617	3608	protein coding	-2.30	1.60E-05	9.94E-04
ENSG00000242515	UGT1A10	2	233636454	2.34E+08	136851	protein coding	-2.31	2.92E-03	3.03E-02
ENSG00000235038	AL445193.2	1	58060139	58080274	20135	lncRNA	-2.31	1.39E-03	1.95E-02
ENSG00000234141	AC006042.3	7	7949853	7950709	856	lncRNA-antisense	-2.31	2.25E-03	2.61E-02
ENSG00000102048	ASB9	X	15235288	15270467	35179	protein coding	-2.31	9.04E-07	1.06E-04
ENSG00000197421	GGT3P	22	18773665	18843399	69734	transcribed unprocessed pseudogene	-2.31	6.63E-06	5.25E-04
ENSG00000214102	WEE2	7	141708353	1.42E+08	22918	protein coding	-2.32	2.65E-05	1.44E-03
ENSG00000257958	AC008125.1	12	115077325	1.15E+08	2828	lncRNA	-2.32	1.00E-04	3.71E-03
ENSG00000266114	AC015908.4	17	10792059	10794985	2926	lncRNA	-2.32	1.24E-03	1.82E-02
ENSG00000241104	CEACAMP10	19	43211791	43248646	36855	transcribed processed pseudogene	-2.32	5.07E-05	2.33E-03
ENSG00000172377	OR9I1	11	58116742	58125530	8788	protein coding	-2.32	8.41E-04	1.44E-02
ENSG00000223572	CKMT1A	15	43692886	43699222	6336	protein coding	-2.32	4.00E-03	3.69E-02
ENSG00000257700	AC055716.3	12	52692605	52696788	4183	lncRNA-antisense	-2.33	2.61E-03	2.85E-02
ENSG00000198974	MIR30E	1	40754355	40754446	91	miRNA	-2.33	2.75E-03	2.94E-02
ENSG00000189196	LINC00994	3	64078361	64087363	9002	lncRNA	-2.33	2.45E-04	6.53E-03
ENSG00000233457	AL353705.2	9	78150532	78151193	661	processed pseudogene	-2.33	1.12E-03	1.70E-02
ENSG00000180988	OR52N2	11	5820314	5821348	1034	protein coding	-2.34	4.12E-03	3.75E-02
ENSG00000238169	LINC01053	13	25168969	25190643	21674	lncRNA-antisense	-2.34	4.35E-04	9.48E-03
ENSG00000250480	AC034244.2	5	57120796	57122624	1828	processed pseudogene	-2.34	1.51E-03	2.04E-02
ENSG00000254290	AC124067.4	8	37597480	37599858	2378	lncRNA	-2.34	1.43E-06	1.51E-04
ENSG00000231137	RBM22P5	9	76286494	76288081	1587	processed pseudogene	-2.34	1.03E-03	1.63E-02
ENSG00000223492	AL391097.1	20	53168643	53179550	10907	lncRNA-antisense	-2.34	1.27E-03	1.85E-02
ENSG00000272642	AP003121.1	11	127188885	1.27E+08	34564	lncRNA	-2.34	1.89E-03	2.33E-02
ENSG00000202412	RNY3P13	3	129818932	1.3E+08	101	misc RNA	-2.35	5.32E-05	2.40E-03
ENSG00000250295	RDH10-AS1	8	73297711	73356461	58750	lncRNA-antisense	-2.35	1.31E-04	4.41E-03
ENSG00000286092	AC117503.5	12	123713408	1.24E+08	9761	lncRNA-antisense	-2.35	1.65E-03	2.15E-02
ENSG00000280114	AL021920.2	1	16681097	16688749	7652	unprocessed pseudogene	-2.35	9.99E-05	3.70E-03
ENSG00000235838	HSP90A87P	10	9721963	9724416	2453	processed pseudogene	-2.36	2.17E-04	5.99E-03
ENSG00000238178	AC078993.1	X	16152941	16170869	17928	lncRNA-antisense	-2.36	1.26E-04	4.32E-03
ENSG00000171433	GLOD5	X	48761747	48773648	11901	protein coding	-2.36	2.11E-05	1.22E-03
ENSG00000260011	AC132938.1	17	82381110	82382690	1580	lncRNA	-2.36	2.23E-03	2.60E-02
ENSG00000279251	AC015726.3	17	19855747	19856164	417	TEC	-2.36	4.56E-03	3.97E-02
ENSG00000280268	AC025125.1	17	3439923	3441844	1921	TEC	-2.38	2.04E-03	2.45E-02
ENSG00000269526	ERVV-1	19	53013921	53016122	2201	protein coding	-2.38	1.84E-03	2.29E-02
ENSG00000256847	CCND2P1	11	63243085	63244004	919	processed pseudogene	-2.38	1.79E-03	2.25E-02
ENSG00000260433	LINC01917	18	53480825	53581107	100282	lncRNA	-2.38	6.79E-03	4.99E-02
ENSG00000250591	PRSS3P1	7	142760415	1.43E+08	3528	unprocessed pseudogene	-2.38	3.74E-04	8.61E-03
ENSG00000285615	AL359508.1	10	129372194	1.29E+08	8559	lncRNA	-2.38	3.93E-04	8.90E-03
ENSG00000232837	LINC01700	21	38974429	38977774	3345	lncRNA	-2.39	1.07E-03	1.67E-02
ENSG00000036473	OTC	X	38352586	38421446	68860	protein coding	-2.39	7.21E-04	1.32E-02
ENSG00000188984	AADACL3	1	12716110	12728760	12650	protein coding	-2.39	8.20E-07	9.85E-05
ENSG00000253141	AC008632.1	5	173463484	1.73E+08	21100	lncRNA	-2.40	4.34E-05	2.10E-03
ENSG00000149507	OOSP2	11	60040409	60048044	7635	protein coding	-2.40	1.83E-04	5.43E-03
ENSG00000253574	AC021744.1	8	139911238	1.4E+08	5382	lncRNA-antisense	-2.40	9.47E-05	3.59E-03
ENSG00000260832	AC125793.1	16	82953230	82990298	37068	lncRNA-antisense	-2.40	5.10E-04	1.05E-02
ENSG00000206129	AC006305.1	18	56003613	56191262	187649	lncRNA	-2.40	8.75E-05	3.39E-03
ENSG00000269931	AL078823.1	20	12934877	12937097	2220	lncRNA	-2.41	2.28E-03	2.63E-02
ENSG00000259732	AC092757.2	15	59121034	59133250	12216	lncRNA-sense overlapping	-2.41	2.34E-03	2.67E-02
ENSG00000189099	PRSS48	4	151277171	1.51E+08	14282	protein coding	-2.41	7.92E-04	1.39E-02
ENSG00000254966	AC103974.1	11	18706537	18740568	34031	lncRNA-antisense	-2.42	9.52E-05	3.60E-03

ENSG00000161594	KLHL10	17	41835685	41848384	12699	protein coding	-2.42	4.85E-06	4.10E-04
ENSG00000249509	NEUROG2-AS1	4	112515385	1.13E+08	31496	lncRNA-antisense	-2.42	1.12E-03	1.71E-02
ENSG00000286947	AC022467.2	15	48524308	48526051	1743	lncRNA	-2.42	1.68E-03	2.17E-02
ENSG00000206754	SNORD101	6	132815307	1.33E+08	72	snoRNA	-2.42	5.90E-03	4.60E-02
ENSG00000275585	AC241377.2	1	120985692	1.21E+08	66475	transcribed unprocessed pseudogene	-2.42	3.39E-04	8.09E-03
ENSG00000285899	AL023574.1	X	43279560	43438657	159097	lncRNA	-2.43	5.41E-04	1.09E-02
ENSG00000261302	AC106779.1	16	56708450	56730010	21560	lncRNA-antisense	-2.44	3.40E-05	1.74E-03
ENSG00000233995	AP000547.1	22	16572027	16574637	2610	unprocessed pseudogene	-2.44	1.41E-03	1.97E-02
ENSG00000261097	LINC00563	13	46296445	46297844	1399	lncRNA	-2.44	1.19E-06	1.30E-04
ENSG00000258783	KRT18P6	14	35511825	35513089	1264	processed pseudogene	-2.45	6.90E-04	1.28E-02
ENSG00000180016	OR1E1	17	3397104	3398410	1306	protein coding	-2.45	1.78E-03	2.25E-02
ENSG00000182898	TCHHL1	1	152084141	1.52E+08	4923	protein coding	-2.45	1.63E-05	1.00E-03
ENSG00000230525	LINC01799	2	66904436	66971462	67026	lncRNA	-2.45	1.44E-03	1.98E-02
ENSG00000266466	AC233702.7	17	21532974	21542786	9812	lncRNA-antisense	-2.45	1.77E-03	2.24E-02
ENSG00000274328	AC007551.2	7	35847038	35847426	388	processed pseudogene	-2.45	8.29E-04	1.43E-02
ENSG00000230598	AL645937.3	6	29212886	29216933	4047	transcribed unprocessed pseudogene	-2.47	3.96E-04	8.93E-03
ENSG00000270474	IGHV3-29	14	106356145	1.06E+08	446	IG V pseudogene	-2.47	5.00E-04	1.04E-02
ENSG00000287703	AC099565.1	1	34640157	34685732	45575	lncRNA	-2.47	1.68E-04	5.14E-03
ENSG00000227150	AL669970.2	9	134552738	1.35E+08	1159	lncRNA	-2.48	9.71E-04	1.58E-02
ENSG00000237614	AC073257.2	2	120542905	1.21E+08	2344	lncRNA	-2.49	3.47E-05	1.76E-03
ENSG00000258039	AC117377.1	12	99093359	99105011	11652	lncRNA-antisense	-2.49	2.42E-03	2.73E-02
ENSG00000260351	AC024270.1	15	83022571	83090782	68211	lncRNA-antisense	-2.49	1.25E-03	1.83E-02
ENSG00000224462	C4BPAP1	1	207165496	2.07E+08	18414	unprocessed pseudogene	-2.49	1.39E-03	1.94E-02
ENSG00000265844	AC100863.1	18	77180106	77235430	55324	lncRNA	-2.50	9.07E-04	1.52E-02
ENSG00000284739	BX005132.1	1	4963954	4973298	9344	lncRNA	-2.51	1.07E-03	1.67E-02
ENSG00000258390	LINC02318	14	95573520	95582305	8785	lncRNA	-2.51	2.07E-05	1.20E-03
ENSG00000274554	AC083806.2	12	116948738	1.17E+08	2684	lncRNA-antisense	-2.51	2.18E-05	1.25E-03
ENSG00000287904	AL138708.1	13	31838752	31846539	7787	lncRNA	-2.51	2.31E-03	2.65E-02
ENSG00000212724	KRTAP2-3	17	41059240	41060114	874	protein coding	-2.52	1.32E-04	4.42E-03
ENSG00000287349	AC108477.2	4	183725830	1.84E+08	6740	lncRNA	-2.52	6.46E-04	1.23E-02
ENSG00000189398	OR7E12P	11	3390780	3391752	972	unprocessed pseudogene	-2.52	8.75E-05	3.39E-03
ENSG00000258942	AL358332.1	14	51344914	51385603	40689	lncRNA	-2.52	1.56E-03	2.08E-02
ENSG00000266667	AC005703.3	17	15379864	15417878	38014	lncRNA	-2.53	5.22E-05	2.39E-03
ENSG00000154198	CYP4ZP2	1	46843095	46900437	57342	transcribed unprocessed pseudogene	-2.54	2.78E-05	1.48E-03
ENSG00000225315	AL591178.1	1	24040835	24086799	45964	lncRNA-antisense	-2.54	2.46E-04	6.53E-03
ENSG00000268053	AC007785.2	19	46111079	46113863	2784	processed pseudogene	-2.54	3.46E-04	8.21E-03
ENSG00000274766	BX027579.2	13	113883667	1.14E+08	3482	lncRNA	-2.54	8.62E-05	3.37E-03
ENSG00000282882	AC027045.2	17	9764186	9805100	40914	lncRNA	-2.55	8.67E-05	3.38E-03
ENSG00000261524	ABC10P3	15	28402868	28405033	2165	processed pseudogene	-2.55	2.22E-03	2.59E-02
ENSG00000234575	CTS1LP8	9	87844154	87847314	3160	unprocessed pseudogene	-2.56	5.93E-05	2.58E-03
ENSG00000273851	AC027088.4	15	69022230	69024176	1946	transcribed processed pseudogene	-2.56	3.51E-04	8.26E-03
ENSG00000284710	Z98257.2	1	20272018	20275005	2987	lncRNA	-2.56	1.17E-04	4.09E-03
ENSG00000261595	AL603832.2	1	112715672	1.13E+08	2124	lncRNA-antisense	-2.57	2.74E-05	1.47E-03
ENSG00000223716	AL135785.1	9	38360427	38376430	16003	lncRNA	-2.57	2.07E-04	5.85E-03
ENSG00000251613	AC063979.1	5	72687112	72771733	84621	lncRNA	-2.58	2.54E-04	6.65E-03
ENSG00000248590	GLDCP1	4	56593004	56595681	2677	transcribed processed pseudogene	-2.58	1.17E-05	7.94E-04
ENSG00000285754	AC008170.1	2	34134371	34220575	86204	lncRNA	-2.58	2.33E-04	6.31E-03
ENSG00000258866	AL390254.1	14	95047353	95050957	3604	lncRNA	-2.59	2.65E-04	6.85E-03
ENSG00000236473	KRT43P	17	41448183	41454055	5872	unprocessed pseudogene	-2.60	1.18E-04	4.12E-03
ENSG00000229863	AC097358.1	3	57134142	57134723	581	processed pseudogene	-2.60	3.07E-03	3.12E-02
ENSG00000242272	AK2P2	2	31823413	31823817	404	processed pseudogene	-2.61	8.26E-05	3.25E-03
ENSG00000262558	AC129507.3	17	354737	356882	2145	lncRNA-antisense	-2.61	2.44E-04	6.51E-03
ENSG00000288605	AC007461.1	17	72033772	72220948	187176	lncRNA	-2.61	9.71E-04	1.58E-02
ENSG00000229292	RFLP4AL1	19	55769118	55773420	4302	protein coding	-2.62	5.64E-04	1.12E-02
ENSG00000286594	AL133493.2	21	45607386	45609194	1808	lncRNA	-2.62	2.45E-04	6.53E-03
ENSG00000184330	S100A7A	1	153416520	1.53E+08	6702	protein coding	-2.62	9.04E-08	1.65E-05
ENSG00000280236	OR12D2	6	29395631	29398008	2377	protein coding	-2.63	6.07E-05	2.63E-03
ENSG00000287163	AC018558.6	16	35450898	35452987	2089	lncRNA	-2.63	3.63E-04	8.44E-03
ENSG00000287668	AL132990.1	14	94545310	94547762	2452	lncRNA	-2.64	1.28E-05	8.44E-04
ENSG00000288023	AL157936.1	9	94725871	94726575	704	lncRNA	-2.64	4.90E-04	1.02E-02
ENSG00000262953	EIF4A1P9	17	2586330	2587866	1536	processed pseudogene	-2.66	1.99E-05	1.17E-03
ENSG00000249736	LINC02242	5	67632266	67646789	14523	lncRNA	-2.67	2.55E-04	6.67E-03
ENSG00000187223	LCE2D	1	152663380	1.53E+08	1279	protein coding	-2.67	1.93E-05	1.14E-03
ENSG00000260385	AL356961.1	13	112083549	1.12E+08	1922	lncRNA	-2.68	4.87E-05	2.28E-03
ENSG00000286250	AL161945.1	20	52840936	52843775	2839	lncRNA	-2.68	2.07E-03	2.48E-02
ENSG00000287197	AC096675.1	1	204822664	2.05E+08	6610	lncRNA	-2.68	1.20E-05	8.06E-04
ENSG00000212961	HNRNP1P40	11	74354443	74355720	1277	processed pseudogene	-2.68	2.70E-04	6.94E-03
ENSG00000287082	AP001042.3	21	38857539	38858861	1322	lncRNA	-2.68	6.72E-04	1.26E-02
ENSG00000255313	AC100858.1	8	124936328	1.25E+08	7437	lncRNA	-2.69	2.22E-04	6.10E-03
ENSG00000243832	LINC02000	3	134055256	1.34E+08	2392	lncRNA	-2.70	5.02E-04	1.04E-02
ENSG00000259294	AC005096.1	7	101822247	1.02E+08	2482	lncRNA-antisense	-2.71	1.39E-03	1.94E-02
ENSG00000266963	AC005625.1	19	38361795	38362484	689	lncRNA-antisense	-2.72	9.84E-04	1.59E-02
ENSG00000258907	PSMB3P1	12	55654558	55655168	610	processed pseudogene	-2.72	2.98E-03	3.08E-02
ENSG00000227838	AL121885.2	22	27676559	27714970	38411	lncRNA	-2.72	3.46E-04	8.21E-03
ENSG00000259108	LINC01595	19	47863409	47865459	2050	lncRNA	-2.73	4.01E-04	9.01E-03
ENSG00000288108	AC126768.3	5	1931058	1933985	2927	lncRNA	-2.73	5.43E-04	1.09E-02
ENSG00000274261	AL137078.2	20	48406777	48410716	3939	lncRNA	-2.74	1.05E-04	3.81E-03
ENSG00000179636	TPP2	14	21024109	21036276	12167	protein coding	-2.74	1.15E-05	7.85E-04
ENSG00000230342	FANCD2P2	3	11859674	11891172	31498	unprocessed pseudogene	-2.75	1.59E-05	9.89E-04
ENSG00000213959	AL035419.1	20	38614913	38615476	563	processed pseudogene	-2.77	2.56E-05	1.41E-03
ENSG00000231235	CTNINBL1P1	X	46418450	46420079	1629	processed pseudogene	-2.77	1.66E-04	5.11E-03
ENSG00000227527	AC096540.1	1	42335386	42338376	2990	lncRNA-sense overlapping	-2.77	3.95E-04	8.93E-03
ENSG00000248545	AC105290.1	4	25529177	25619468	90291	lncRNA	-2.79	1.82E-04	5.41E-03
ENSG00000248257	PSG10P	19	42839368	42855718	16350	transcribed unprocessed pseudogene	-2.82	1.27E-05	8.39E-04
ENSG00000285619	AL449214.1	3	128181402	1.28E+08	13050	lncRNA-antisense	-2.83	9.48E-04	1.56E-02
ENSG00000124900	TRIM51	11	55883297	55891810	8513	protein coding	-2.83	2.08E-04	5.87E-03
ENSG00000260311	AC138907.1	16	32663925	32666533	2608	lncRNA	-2.84	4.84E-05	2.27E-03

ENSG00000272438	AL645608.6	1	904834	915976	11142	lncRNA	-2.85	1.03E-03	1.63E-02
ENSG00000287107	AL136102.1	20	48120269	48136844	16575	lncRNA	-2.86	9.03E-05	3.48E-03
ENSG00000124260	MAGEA10	X	152133310	1.52E+08	5268	protein coding	-2.87	3.39E-05	1.74E-03
ENSG00000286659	Z99716.2	22	42070949	42071488	539	lncRNA	-2.88	3.76E-05	1.88E-03
ENSG00000288024	AC005301.2	22	16725072	16747761	22689	lncRNA	-2.88	1.74E-04	5.29E-03
ENSG00000258883	NBEAP4	15	21250180	21260147	9967	unprocessed_pseudogene	-2.92	4.01E-04	9.01E-03
ENSG00000279786	AC105235.1	8	140820599	1.41E+08	1815	TEC	-2.93	7.51E-05	3.02E-03
ENSG00000279747	AC130456.6	16	19503861	19504625	764	TEC	-2.94	2.32E-04	6.29E-03
ENSG00000256056	AC087257.2	12	27592461	27594039	1578	unprocessed_pseudogene	-2.94	3.02E-04	7.47E-03
ENSG00000236674	AL049636.1	1	63359823	63361179	1356	processed_pseudogene	-2.95	2.39E-04	6.45E-03
ENSG00000204978	ERICH4	19	41443156	41444765	1609	protein coding	-2.97	2.16E-04	5.99E-03
ENSG00000230978	LINC00160	21	34723807	34737204	13397	lncRNA	-2.97	5.25E-05	2.39E-03
ENSG00000229853	AL034418.1	20	47630266	47631438	1172	processed_pseudogene	-3.00	6.91E-05	2.88E-03
ENSG00000259111	AL079307.2	14	51750560	51763114	12554	lncRNA	-3.01	1.43E-04	4.66E-03
ENSG00000267354	AC091151.2	18	45507202	45550183	42981	lncRNA-sense intronic	-3.03	2.31E-06	2.24E-04
ENSG00000229028	KRT223P	17	40717235	40721932	4697	inscribed_unprocessed_pseudogene	-3.04	9.31E-06	6.79E-04
ENSG00000287435	AC069404.1	2	73305941	73307890	1949	lncRNA	-3.04	1.98E-04	5.69E-03
ENSG00000136834	OR1J1	9	122476958	1.22E+08	968	protein coding	-3.06	1.36E-05	8.80E-04
ENSG00000276702	AC010809.3	15	33850538	33851178	640	lncRNA-antisense	-3.08	1.95E-04	5.63E-03
ENSG00000224361	AC011239.1 (KLHL29-AS1)	2	23507043	23524344	17301	lncRNA-antisense	-3.09	5.59E-05	2.49E-03
ENSG00000285819	AC131180.1	2	131191641	1.31E+08	17570	lncRNA	-3.11	2.40E-04	6.45E-03
ENSG00000237746	ZNF101P1	10	28338554	28340942	2388	processed_pseudogene	-3.11	1.77E-05	1.07E-03
ENSG00000258684	BMS1P16	15	21160305	21167357	7052	unprocessed_pseudogene	-3.13	5.25E-05	2.39E-03
ENSG00000260990	Z94057.1 (TNR-AS1)	1	175307218	1.75E+08	28241	lncRNA-antisense	-3.16	1.49E-05	9.46E-04
ENSG00000253966	AC008514.2	5	170896929	1.71E+08	7532	processed_pseudogene	-3.16	1.80E-04	5.38E-03
ENSG00000241563	CORT	1	10450031	10451998	1967	protein coding	-3.22	1.10E-04	3.95E-03
ENSG00000229571	PRAMEF25	1	13068677	13077884	9207	protein coding	-3.24	3.93E-05	1.95E-03
ENSG00000253968	AC016573.1	5	173383941	1.73E+08	67650	lncRNA	-3.24	5.07E-06	4.23E-04
ENSG00000249818	AC097375.2	4	151904932	1.52E+08	23778	lncRNA	-3.25	1.95E-07	3.00E-05
ENSG00000275894	AL021578.1	20	45345115	45345823	708	lncRNA-sense intronic	-3.35	3.56E-06	3.18E-04
ENSG00000235594	AL139824.2	20	56267872	56269231	1359	processed_pseudogene	-3.37	2.51E-06	2.39E-04
ENSG00000287173	AL356157.3	10	44509708	44515421	5713	lncRNA	-3.41	2.97E-05	1.56E-03
ENSG00000255250	AP003059.2	11	86727355	86765467	38112	lncRNA	-3.49	9.93E-06	7.12E-04
ENSG00000237672	KRR1P1	13	20070250	20072136	1886	processed_pseudogene	-3.55	1.07E-05	7.52E-04
ENSG00000180068	OR3A4P	17	3309986	3311446	1460	inscribed_unprocessed_pseudogene	-3.91	2.10E-07	3.19E-05

Supplemental Table 4. Differentially expressed transcripts from the whole blood RNA-seq analysis of the anti-Ro negative SJD cases compared to healthy controls (SJD^{Ro-} analysis)

ENSEMBL_GENE_ID	Gene Name	Chr	Chr_Start_position	Chr_end_position	Gene Length	gene_biotype	SJD ^{Ro-} vs. HC		
							Log2FC	pval	padj
ENSG00000239719	AC004890.1	7	149191043	149191223	180	processed_pseudogene	2.00	7.85E-06	3.54E-04
ENSG00000259038	AL121820.2 (RAD51L1-AS1)	14	68627166	68628445	1279	lncRNA-antisense	1.98	1.11E-02	4.80E-02
ENSG00000241494	AL355032.1	14	101677943	101678380	437	processed_pseudogene	1.84	8.28E-07	7.62E-05
ENSG00000286104	AC016623.3	19	58575445	58601316	2571	lncRNA	1.84	1.08E-02	4.71E-02
ENSG00000244398	AC116533.1	11	16974693	16975013	320	processed_pseudogene	1.77	1.33E-05	5.07E-04
ENSG00000213178	RPL22P1	3	169483671	169484080	409	processed_pseudogene	1.66	3.33E-09	1.69E-06
ENSG00000152348	ATG10	5	81972023	82276857	304834	protein_coding	1.60	1.15E-08	4.07E-06
ENSG00000143546	S100A8	1	153390032	153391073	1041	protein_coding	1.60	1.83E-05	6.17E-04
ENSG00000219451	RPL23P8	7	20827326	20827753	427	processed_pseudogene	1.60	2.89E-04	4.05E-03
ENSG00000231409	AC018868.1	15	34943080	34943394	314	processed_pseudogene	1.59	1.06E-04	2.04E-03
ENSG00000237748	UQCRRP1	X	56737242	56737577	335	processed_pseudogene	1.56	6.60E-04	7.02E-03
ENSG00000244158	CALHM6-AS1	6	116460739	116463692	2953	lncRNA-antisense	1.54	1.31E-03	1.12E-02
ENSG00000156467	UQCRCB	8	96222947	96235546	12599	protein_coding	1.51	2.07E-09	1.14E-06
ENSG00000251062	AC025459.1	5	32887990	32888145	155	processed_pseudogene	1.51	2.92E-03	1.94E-02
ENSG00000225912	RPL26P36	X	92676519	92676954	435	processed_pseudogene	1.49	2.21E-04	3.38E-03
ENSG00000228007	AC011933.1	17	75338827	75339147	320	processed_pseudogene	1.48	3.30E-03	2.11E-02
ENSG00000227008	AL009174.1	X	133670971	133671386	415	processed_pseudogene	1.47	2.45E-05	7.49E-04
ENSG00000121552	CSTA	3	122325248	122341969	16721	protein_coding	1.46	3.74E-08	9.08E-06
ENSG00000237568	AC099063.1 (GBP5-AS1)	1	89260582	89269754	9172	lncRNA-antisense	1.42	1.01E-04	1.99E-03
ENSG00000224094	RPS24P8	3	45159774	45160175	401	processed_pseudogene	1.42	3.13E-04	4.26E-03
ENSG00000254224	AP003465.1 (UQRB-AS1)	8	96235427	96239149	3722	lncRNA-antisense	1.41	4.60E-03	2.64E-02
ENSG00000204397	CARD16	11	105041326	105101431	60105	protein_coding	1.38	3.03E-10	3.10E-07
ENSG00000249532	MIR302CHG (LARP7-AS1)	4	112646476	112650051	3575	lncRNA-antisense	1.38	1.60E-03	1.28E-02
ENSG00000234287	AC099560.2	3	40761545	40761799	254	processed_pseudogene	1.37	1.53E-04	2.63E-03
ENSG00000147604	RPL7	8	73290242	73295789	5547	protein_coding	1.37	5.78E-06	2.86E-04
ENSG00000170860	LSM3	3	14178817	14201122	22305	protein_coding	1.36	1.04E-08	3.87E-06
ENSG00000125691	RPL23	17	38847860	38853764	5904	protein_coding	1.36	2.82E-05	8.19E-04
ENSG00000161970	RPL26	17	8377516	8383213	5697	protein_coding	1.35	3.05E-04	4.20E-03
ENSG00000258666	AL157871.4	14	100333790	100354061	20271	lncRNA-antisense	1.34	1.56E-04	2.66E-03
ENSG00000125356	NDUFA1	X	119871832	119876662	4830	protein_coding	1.34	5.33E-09	2.24E-06
ENSG00000235576	LINC01871	2	7725801	7730705	4904	lncRNA	1.33	8.38E-07	7.67E-05
ENSG00000119013	NDUFB3	2	201071433	201085750	14317	protein_coding	1.31	4.23E-08	9.82E-06
ENSG00000180211	FC393411.1	6	39958414	39958833	419	processed_pseudogene	1.30	2.85E-04	4.01E-03
ENSG00000140379	BCL2A1	15	79960892	79971196	10304	protein_coding	1.28	8.27E-08	1.51E-05
ENSG00000253683	AC027309.2	5	172656522	172656713	191	processed_pseudogene	1.27	9.57E-08	1.67E-05
ENSG00000241612	AC114728.1	4	19813749	19814231	482	processed_pseudogene	1.26	1.47E-03	1.21E-02
ENSG00000259007	AL358333.3	14	51967003	51969800	2797	lncRNA-antisense	1.26	2.32E-04	3.50E-03
ENSG00000240509	RPL34P18	8	93957338	93957691	353	processed_pseudogene	1.26	2.56E-03	1.77E-02
ENSG00000288528	AP000942.5	11	102316173	102328586	12413	lncRNA	1.25	4.65E-04	5.54E-03
ENSG00000137970	RPL7P9	1	96678874	96679620	746	processed_pseudogene	1.25	3.38E-05	9.31E-04
ENSG00000196683	TOMM7	7	22812628	22822852	10224	protein_coding	1.24	4.84E-06	2.52E-04
ENSG00000234742	AC144530.1	3	197850400	197850954	554	processed_pseudogene	1.23	9.68E-04	9.10E-03
ENSG00000237729	AC002075.2	7	93669826	93670077	251	processed_pseudogene	1.23	4.45E-05	1.12E-03
ENSG00000274422	AC245060.5	22	22283928	22287220	3292	lncRNA	1.22	4.45E-04	5.39E-03
ENSG00000230629	RPS23P8	X	70962964	70963293	329	processed_pseudogene	1.22	5.40E-07	5.64E-05
ENSG00000232112	TMA7	3	48440257	48444208	3951	protein_coding	1.21	2.70E-06	1.70E-04
ENSG00000236312	RPL34P34	19	22368599	22368952	353	processed_pseudogene	1.21	5.58E-03	3.01E-02
ENSG00000169020	ATP5ME	4	672436	674330	1894	protein_coding	1.20	2.14E-08	6.28E-06
ENSG00000156411	ATP5MPL	14	103912288	103928269	15981	protein_coding	1.20	1.13E-06	9.24E-05
ENSG00000109475	RPL34	4	108620566	108630412	9846	protein_coding	1.19	1.24E-03	1.08E-02
ENSG00000185641	AC034236.1	5	116051917	116052289	372	processed_pseudogene	1.19	3.90E-07	4.53E-05
ENSG00000136810	TXN	9	110243810	110256507	12697	protein_coding	1.19	1.29E-08	4.35E-06
ENSG00000242951	AC007182.2	14	75595805	75596206	401	processed_pseudogene	1.19	6.03E-04	6.60E-03
ENSG00000228802	AC073641.1	2	223965701	223967706	2005	lncRNA-antisense	1.17	6.58E-03	3.37E-02
ENSG00000234964	FABP5P7	11	59781318	59781722	404	processed_pseudogene	1.17	2.14E-04	3.31E-03
ENSG00000220842	RPL21P16	10	120354701	120355183	482	processed_pseudogene	1.16	2.46E-05	7.52E-04
ENSG00000168653	NDUFS5	1	39026318	39034636	8318	protein_coding	1.16	3.04E-06	1.84E-04
ENSG00000234268	AP000936.3	11	117035797	117036051	254	processed_pseudogene	1.16	3.84E-05	1.02E-03
ENSG00000270077	AP003117.1	8	97144170	97144723	553	lncRNA-sense intronic	1.15	2.61E-04	3.79E-03
ENSG00000254373	AC112191.2	5	160258253	160258585	332	processed_pseudogene	1.15	1.08E-02	4.70E-02
ENSG00000127184	COX7C	5	86617928	86620962	3034	protein_coding	1.15	1.09E-05	4.40E-04
ENSG00000277978	AC010542.5	16	66565620	66566001	381	lncRNA-antisense	1.14	3.14E-04	4.27E-03
ENSG00000236439	AC099336.2	1	202471864	202472117	253	processed_pseudogene	1.13	8.89E-04	8.59E-03
ENSG00000226084	AC113935.1	1	77129114	77129668	554	processed_pseudogene	1.13	1.02E-04	2.00E-03
ENSG00000138326	RPS24	10	78033760	78056813	23053	protein_coding	1.12	5.82E-05	1.36E-03
ENSG00000163993	S100P	4	6693878	6697170	3292	protein_coding	1.12	7.74E-05	1.66E-03
ENSG00000140319	SRP14	15	40035690	40039181	3491	protein_coding	1.11	8.17E-14	1.32E-09
ENSG00000155368	DBI	2	119366921	119372560	5639	protein_coding	1.10	4.22E-08	9.82E-06
ENSG00000163221	S100A12	1	153373711	153375621	1910	protein_coding	1.10	1.74E-04	2.89E-03
ENSG00000105205	CLC	19	39731255	39738029	6774	protein_coding	1.10	2.66E-04	3.85E-03
ENSG00000204472	AIF1	6	31615217	31617021	1804	protein_coding	1.09	4.46E-12	1.69E-08
ENSG00000227081	AC005912.1	12	3211663	3211917	254	processed_pseudogene	1.07	2.50E-04	3.68E-03
ENSG00000115541	HSPF1	2	197500140	197503449	3309	protein_coding	1.07	2.88E-08	7.78E-06
ENSG00000154723	ATP5PF	21	25716503	25735673	19170	protein_coding	1.07	1.09E-10	1.28E-07
ENSG00000135046	ANXA1	9	73151865	73170393	18528	protein_coding	1.07	5.68E-08	1.22E-05
ENSG00000177954	RPS27	1	153990762	153992155	1393	protein_coding	1.06	1.15E-04	2.16E-03
ENSG00000259544	AC021739.3	15	85726115	85727227	1112	lncRNA-antisense	1.06	5.69E-03	3.06E-02
ENSG00000230291	AC078817.1	12	80102899	80103333	434	processed_pseudogene	1.06	2.14E-03	1.57E-02
ENSG00000279276	AC130454.1	16	23962951	23963351	400	TEC	1.05	3.43E-03	2.16E-02
ENSG00000245970	AP003352.1	8	98041726	98044121	2395	lncRNA-antisense	1.04	3.47E-04	4.56E-03
ENSG00000186468	RPS23	5	82273320	82278396	5076	protein_coding	1.04	1.73E-06	1.28E-04
ENSG00000229605	RPL21P93	10	28898996	28899484	488	processed_pseudogene	1.02	2.33E-04	3.52E-03
ENSG00000092841	MYL6	12	56158346	56163496	5150	protein_coding	1.01	8.09E-11	1.18E-07

ENSG00000240036	AC104563.1	11	27581680	27582055	375	processed_pseudogene	1.00	9.44E-04	8.95E-03
ENSG00000274629	AC073052.1	2	224464682	224474500	9818	lncRNA-antisense	1.00	1.04E-03	9.54E-03
ENSG00000272150	NBPF25P	1	145572345	145607858	35513	transcribed_unprocessed_pseudogene	-1.00	2.16E-04	3.34E-03
ENSG00000157856	DRC1	2	26401920	26456711	54791	protein_coding	-1.00	2.26E-03	1.63E-02
ENSG00000188766	SPRED3	19	38388421	38399587	11166	protein_coding	-1.00	2.51E-03	1.75E-02
ENSG00000116117	PARD3B	2	204545475	205620162	1074687	protein_coding	-1.00	1.50E-03	1.23E-02
ENSG00000117013	KCNQ4	1	40783787	40840452	56665	protein_coding	-1.00	4.96E-03	2.79E-02
ENSG00000146453	PNLDC1	6	159800249	159820704	20455	protein_coding	-1.00	5.48E-04	6.19E-03
ENSG00000198796	ALPK2	18	58481247	58629091	147844	protein_coding	-1.00	2.39E-03	1.69E-02
ENSG00000182912	TSPFAR-AS2	21	44517216	44525952	8736	lncRNA-antisense	-1.00	1.04E-03	9.55E-03
ENSG00000226855	RPSAP17	1	154378207	154379089	882	processed_pseudogene	-1.00	1.29E-04	2.34E-03
ENSG00000228624	HDAC2-AS2	6	113969701	114471705	502004	lncRNA-antisense	-1.00	3.68E-03	2.27E-02
ENSG00000167377	ZNF23	16	71447597	71463095	15498	protein_coding	-1.00	1.19E-03	1.04E-02
ENSG00000132854	KANK4	1	62236165	62319434	83269	protein_coding	-1.00	3.95E-03	2.37E-02
ENSG00000279267	AL078621.1	2	113605867	113607908	2041	TEC	-1.01	4.94E-04	5.77E-03
ENSG00000254319	AC246817.2	8	2648075	2728577	80502	lncRNA	-1.01	7.66E-03	3.73E-02
ENSG00000179023	KLHDC7A	1	18480982	18486126	5144	protein_coding	-1.01	4.34E-03	2.54E-02
ENSG00000160345	C9orf116	9	135495181	135501734	6553	protein_coding	-1.01	1.01E-02	4.50E-02
ENSG00000147724	FAM135B	8	138130023	138497261	367238	protein_coding	-1.01	2.22E-03	1.61E-02
ENSG00000179915	NRXN1	2	49918503	51225575	1307072	protein_coding	-1.01	8.55E-06	3.73E-04
ENSG00000286281	AL353152.2	6	14210293	14214374	4081	lncRNA	-1.01	1.01E-02	4.50E-02
ENSG00000128482	RNF112	17	19411125	19417276	6151	protein_coding	-1.01	2.90E-03	1.93E-02
ENSG00000232044	SILC1	2	5932543	6003510	70967	lncRNA	-1.01	4.95E-03	2.78E-02
ENSG00000280604	AJ239328.1	21	45914296	45919483	5187	lncRNA-sense overlapping	-1.01	2.22E-03	1.61E-02
ENSG00000175984	DENND2C	1	114582848	114670422	87574	protein_coding	-1.01	2.67E-04	3.86E-03
ENSG00000279803	AC009090.5	16	57142652	57144936	2284	TEC	-1.01	4.61E-03	2.65E-02
ENSG00000236409	NRADDP	3	47010824	47013665	2641	transcribed_unitary_pseudogene	-1.01	5.83E-03	3.11E-02
ENSG00000114993	RTKN	2	74425835	74442222	16587	protein_coding	-1.01	1.26E-03	1.09E-02
ENSG00000162461	SLC25A34	1	15736258	15741392	5134	protein_coding	-1.01	9.22E-06	3.96E-04
ENSG00000065833	ME1	6	83210402	83431051	220649	protein_coding	-1.01	2.48E-03	1.74E-02
ENSG00000181378	CFAP65	2	219002846	219041527	38681	protein_coding	-1.01	3.61E-03	2.24E-02
ENSG00000149295	DRD2	11	113409605	113475691	66086	protein_coding	-1.01	7.75E-03	3.75E-02
ENSG00000215386	MIR99AHG	21	15928296	16645467	71717	lncRNA	-1.01	3.42E-04	4.52E-03
ENSG00000111012	CYP27B1	12	57762334	57768986	6652	protein_coding	-1.01	1.06E-02	4.66E-02
ENSG00000128578	STRIP2	7	129434432	129488399	53967	protein_coding	-1.01	2.73E-04	3.91E-03
ENSG00000133216	EPHB2	1	22710839	22921500	210661	protein_coding	-1.01	3.89E-07	4.53E-05
ENSG00000117425	PTCH2	1	44819844	44843253	23409	protein_coding	-1.01	5.41E-04	6.13E-03
ENSG00000143147	GPR161	1	168079543	168137667	58124	protein_coding	-1.01	1.10E-03	9.88E-03
ENSG00000130720	FIBCD1	9	130902438	130939286	36848	protein_coding	-1.01	5.55E-03	3.00E-02
ENSG00000168952	STXBP6	14	24809656	25050297	240641	protein_coding	-1.01	2.45E-03	1.72E-02
ENSG00000198722	UNC13B	9	35161992	35405338	243346	protein_coding	-1.01	2.91E-06	1.79E-04
ENSG00000197670	AL157838.1	20	53552770	53575863	23093	lncRNA-antisense	-1.01	7.06E-03	3.53E-02
ENSG00000143858	SYT2	1	202590596	202710454	119858	protein_coding	-1.01	8.92E-04	8.61E-03
ENSG00000187980	PLA2G2C	1	20161253	20186518	25265	protein_coding	-1.01	3.56E-04	4.62E-03
ENSG00000280159	AC016583.1	5	54643557	54645987	2430	TEC	-1.01	3.53E-03	2.20E-02
ENSG00000170624	SGCD	5	155870344	156767788	897444	protein_coding	-1.01	3.22E-03	2.07E-02
ENSG00000235823	OLMALINC	10	100373099	100454043	80944	lncRNA	-1.02	1.86E-06	1.35E-04
ENSG00000158352	SHROOM4	X	50591647	50814302	222655	protein_coding	-1.02	3.30E-04	4.42E-03
ENSG00000145103	ILDR1	3	121987323	122022247	34924	protein_coding	-1.02	1.57E-03	1.27E-02
ENSG00000179057	IGSF22	11	18704312	18726230	21918	protein_coding	-1.02	1.38E-04	2.44E-03
ENSG00000196951	SCOC-AS1	4	140283724	140373403	89679	lncRNA-antisense	-1.02	1.16E-03	1.02E-02
ENSG00000160145	KALRN	3	124080023	124276325	646302	protein_coding	-1.02	4.37E-08	9.91E-06
ENSG00000261390	MAFTRR	16	79715220	79770651	55431	lncRNA	-1.02	1.60E-03	1.28E-02
ENSG00000128591	FLNC	7	128830406	128859274	28868	protein_coding	-1.02	1.66E-03	1.31E-02
ENSG00000166349	RAG1	11	36510709	36593156	82447	protein_coding	-1.02	2.21E-03	1.61E-02
ENSG00000164237	CMBL	5	10275875	10307902	32027	protein_coding	-1.02	4.24E-03	2.50E-02
ENSG00000186615	KTN1-AS1	14	55496786	55580888	84102	lncRNA-antisense	-1.02	9.07E-04	8.71E-03
ENSG00000104888	SLC17A7	19	49429401	49442360	12959	protein_coding	-1.02	8.53E-03	4.00E-02
ENSG00000197915	HRNR	1	152212076	152224193	12117	protein_coding	-1.02	4.97E-03	2.79E-02
ENSG00000256988	AC005833.2	12	4804499	4830747	26248	lncRNA	-1.02	4.74E-03	2.70E-02
ENSG00000115194	SLC30A3	2	27253684	27275817	22133	protein_coding	-1.02	4.61E-03	2.64E-02
ENSG00000250132	AC004903.1	12	974133	991190	17057	lncRNA-antisense	-1.02	2.10E-03	1.55E-02
ENSG00000170370	EMX2	10	117542445	117549546	7101	protein_coding	-1.02	3.49E-03	2.19E-02
ENSG00000155269	GPR78	4	8558725	8619761	61036	protein_coding	-1.02	5.75E-03	3.08E-02
ENSG00000214770	AL161756.1	14	64329431	64338639	9208	lncRNA-antisense	-1.02	7.54E-03	3.69E-02
ENSG00000140807	NKD1	16	50548396	50649249	100853	protein_coding	-1.02	9.53E-10	6.68E-07
ENSG00000225885	AC023590.1	8	118282139	118400605	118466	lncRNA-antisense	-1.02	2.86E-03	1.91E-02
ENSG00000114270	COL7A1	3	48564073	48595267	31194	protein_coding	-1.02	2.88E-03	1.92E-02
ENSG00000123454	DBH	9	133636363	133659329	22966	protein_coding	-1.02	5.54E-03	3.00E-02
ENSG00000137936	BCAR3	1	93561741	93847150	285409	protein_coding	-1.02	2.36E-04	3.56E-03
ENSG00000167549	CORO6	17	29614756	29622907	8151	protein_coding	-1.02	1.81E-04	2.96E-03
ENSG00000274386	TMEM269	1	42785007	42816619	31612	protein_coding	-1.02	2.79E-03	1.88E-02
ENSG00000288721	AC010623.1	5	81408517	81411867	3350	lncRNA	-1.02	1.00E-03	9.31E-03
ENSG00000136206	SPDYE1	7	43997897	44010122	12225	protein_coding	-1.02	3.84E-03	2.33E-02
ENSG00000177599	ZNF491	19	11797667	11809622	11955	protein_coding	-1.02	5.31E-03	2.91E-02
ENSG00000185561	TLCD2	17	1702816	1710377	7561	protein_coding	-1.02	3.84E-04	4.89E-03
ENSG00000102383	ZDHHC15	X	75368427	75523502	155075	protein_coding	-1.02	7.57E-03	3.70E-02
ENSG00000112769	LAMA4	6	112107931	112254939	147008	protein_coding	-1.02	9.41E-03	4.28E-02
ENSG00000129173	E2F8	11	19224063	19241620	17557	protein_coding	-1.02	7.63E-03	3.72E-02
ENSG00000213373	LINC00671	17	42874670	42898704	24034	lncRNA	-1.02	3.61E-03	2.24E-02
ENSG00000253392	AC119403.1	19	2908371	2926817	18446	lncRNA-antisense	-1.02	2.53E-03	1.76E-02
ENSG00000100479	POLE2	14	49643555	49688422	44867	protein_coding	-1.02	1.96E-04	3.13E-03
ENSG00000140057	AK7	14	96392128	96489427	97299	protein_coding	-1.02	6.79E-03	3.44E-02
ENSG00000149201	CDC81	11	86374736	86423109	48373	protein_coding	-1.02	1.04E-03	2.56E-03
ENSG00000275620	FLJ16779	20	63253978	63261615	7637	lncRNA-antisense	-1.03	1.15E-02	4.93E-02
ENSG00000186281	GPAT2	2	96021946	96039451	17505	protein_coding	-1.03	1.02E-05	4.18E-04
ENSG00000230513	THAP7-AS1	22	21001886	21010342	8456	lncRNA-antisense	-1.03	7.74E-06	3.51E-04
ENSG00000214514	KRT42P	17	41626327	41640199	13872	transcribed_unprocessed_pseudogene	-1.03	1.11E-02	4.79E-02
ENSG00000074590	NUAK1	12	106063340	106140033	76693	protein_coding	-1.03	2.56E-03	1.77E-02
ENSG00000198870	STKLD1	9	133376366	133406096	29730	protein_coding	-1.03	8.76E-04	8.51E-03

ENSG00000204851	PNMA8B	19	46486906	46495879	8973	protein coding	-1.03	5.86E-03	3.12E-02
ENSG00000122877	EGR2	10	62811996	62919900	107904	protein coding	-1.03	2.40E-03	1.70E-02
ENSG00000092295	TGM1	14	24249114	24264432	15318	protein coding	-1.03	6.26E-04	6.75E-03
ENSG00000130643	CALY	10	133324072	133336935	12863	protein coding	-1.03	6.31E-03	3.28E-02
ENSG00000159625	DRC7	16	57694793	57731805	37012	protein coding	-1.03	1.64E-04	2.75E-03
ENSG00000268912	AC012313.5	19	58428632	58431148	2516	lncRNA	-1.03	3.13E-03	2.03E-02
ENSG00000134775	FHOD3	18	36297714	36780055	482341	protein coding	-1.03	3.15E-03	2.04E-02
ENSG00000153093	ACOXL	2	110732539	111120610	388071	protein coding	-1.03	1.03E-04	2.02E-03
ENSG00000074276	CDHR2	5	176542511	176595774	53463	protein coding	-1.03	1.10E-04	2.10E-03
ENSG00000159905	ZNF221	19	43951223	43967509	16486	protein coding	-1.03	2.30E-05	7.20E-04
ENSG00000261079	AC009053.2	16	74367462	74369826	2364	lncRNA	-1.03	3.23E-03	2.08E-02
ENSG00000242473	KIR2DP1	19	54755023	54767371	12348	unprocessed pseudogene	-1.03	5.27E-03	2.90E-02
ENSG00000151322	NPAS3	14	32934396	33804176	869780	protein coding	-1.03	9.37E-03	4.27E-02
ENSG00000130508	PXDN	2	1631887	1744852	112965	protein coding	-1.03	5.37E-03	2.94E-02
ENSG00000278983	AC048380.2	18	48564795	48568342	3547	TEC	-1.03	9.78E-04	9.17E-03
ENSG00000147485	PXDNL	8	51319577	51809445	489868	protein coding	-1.03	1.17E-04	2.18E-03
ENSG00000102854	MSLN	16	760734	768865	8131	protein coding	-1.03	7.42E-03	3.65E-02
ENSG0000021645	NRXN3	14	78170373	79868291	1697918	protein coding	-1.03	1.60E-03	1.28E-02
ENSG00000183682	BMP8A	1	39491636	39529869	38233	protein coding	-1.03	5.15E-03	2.85E-02
ENSG00000158859	ADAMT54	1	161184302	161199054	14752	protein coding	-1.03	4.84E-04	5.70E-03
ENSG00000172995	ARRP21	3	35638945	35794496	155551	protein coding	-1.03	3.10E-03	2.02E-02
ENSG00000250056	LINC01018	5	6582136	6600288	18152	lncRNA	-1.03	1.17E-02	4.97E-02
ENSG00000146966	DENND2A	7	140518420	140673993	155573	protein coding	-1.03	1.06E-02	4.64E-02
ENSG00000157927	RADIL	7	4797055	4883716	86661	protein coding	-1.03	4.58E-03	2.64E-02
ENSG00000287367	AC016583.2	5	54663327	54737057	73730	lncRNA	-1.04	5.36E-03	2.93E-02
ENSG00000129159	KCNC1	11	17734774	17856804	122030	protein coding	-1.04	5.43E-05	1.30E-03
ENSG00000147536	GINS4	8	41529218	41545030	15812	protein coding	-1.04	1.44E-05	5.36E-04
ENSG00000182902	SLC25A18	22	17563450	17590995	27545	protein coding	-1.04	6.45E-03	3.33E-02
ENSG00000065328	MCM10	10	13161558	13211110	49552	protein coding	-1.04	2.02E-03	1.51E-02
ENSG00000171587	DSCAM	21	40010999	40847158	836159	protein coding	-1.04	6.22E-03	3.25E-02
ENSG00000204991	SPIRE2	16	89818179	89871319	53140	protein coding	-1.04	1.20E-03	1.05E-02
ENSG00000074181	NOTCH3	19	15159038	15200995	41957	protein coding	-1.04	2.41E-04	3.60E-03
ENSG00000130822	PNCK	X	153669733	153689010	19277	protein coding	-1.04	4.69E-03	2.68E-02
ENSG00000169862	CTNND2	5	10971836	11904446	932610	protein coding	-1.04	7.56E-03	3.69E-02
ENSG00000133401	PDZD2	5	31639131	32110932	471801	protein coding	-1.04	1.60E-05	5.67E-04
ENSG00000170835	CEL	9	133061978	133071863	9885	protein coding	-1.04	2.30E-03	1.65E-02
ENSG00000283031	AC009242.1	2	23667208	23685453	18245	lncRNA	-1.04	8.17E-03	3.89E-02
ENSG00000134901	POGLUT2	13	102784281	102798976	14695	protein coding	-1.04	5.68E-03	3.05E-02
ENSG00000141527	CARD14	17	80169992	80209331	39339	protein coding	-1.04	6.47E-04	6.93E-03
ENSG00000260339	HEXA-AS1	15	72376113	72378788	2675	lncRNA-antisense	-1.04	3.47E-03	2.18E-02
ENSG00000128833	MYO5C	15	52192322	52295804	103482	protein coding	-1.04	1.48E-05	5.45E-04
ENSG00000130294	KIF1A	2	240713761	240824293	110532	protein coding	-1.04	3.76E-03	2.30E-02
ENSG00000106853	PTGR1	9	111549722	111599893	50171	protein coding	-1.04	1.02E-02	4.53E-02
ENSG00000132793	LPIN3	20	41340821	41360582	19761	protein coding	-1.04	7.04E-03	3.52E-02
ENSG00000071282	LMCD1	3	8501807	8574668	72861	protein coding	-1.04	2.12E-04	3.29E-03
ENSG00000104967	NOVA2	19	45933734	45974044	40310	protein coding	-1.04	8.15E-03	3.89E-02
ENSG00000175773	ZBTB44-DT	11	130314993	130403657	88664	lncRNA	-1.04	3.00E-03	1.98E-02
ENSG00000175084	DES	2	219418377	219426734	8357	protein coding	-1.05	1.28E-03	1.10E-02
ENSG00000229727	AC013460.1	2	7383227	7405044	67317	lncRNA	-1.05	5.34E-04	6.08E-03
ENSG00000101489	CELF4	18	37243040	37565827	322787	protein coding	-1.05	5.82E-03	3.10E-02
ENSG00000122863	CHST3	10	71964395	72013558	49163	protein coding	-1.05	1.02E-02	4.53E-02
ENSG00000183196	CHST6	16	75472052	75495445	23393	protein coding	-1.05	9.35E-03	4.26E-02
ENSG00000160469	BRSK1	19	55282072	55312562	30490	protein coding	-1.05	2.55E-04	3.73E-03
ENSG00000127423	AUNIP	1	25831913	25859458	27545	protein coding	-1.05	6.23E-03	3.25E-02
ENSG00000092621	PHGDH	1	119648411	119744218	95807	protein coding	-1.05	2.12E-05	6.79E-04
ENSG00000115353	TACR1	2	75046463	75199520	153057	protein coding	-1.05	7.69E-03	3.73E-02
ENSG00000163293	NIPAL1	4	47914142	48040173	126031	protein coding	-1.05	5.35E-03	2.93E-02
ENSG00000206557	TRIM71	3	32817997	32897824	79827	protein coding	-1.05	1.82E-03	1.40E-02
ENSG00000247228	AC009060.1	16	70138337	70173483	35146	lncRNA-antisense	-1.05	8.31E-04	8.24E-03
ENSG00000267272	LINC01140	1	87129765	87169198	39433	lncRNA	-1.05	2.45E-03	1.72E-02
ENSG00000135903	PAX3	2	222199887	222298998	99111	protein coding	-1.05	8.19E-03	3.90E-02
ENSG00000235109	ZSCAN31	6	28324693	28356271	31578	protein coding	-1.05	1.89E-03	1.44E-02
ENSG00000247081	BAALC-AS1	8	103153394	103298772	145378	lncRNA-antisense	-1.05	8.08E-04	8.09E-03
ENSG00000134548	SPX	12	21526296	21541249	14953	protein coding	-1.05	1.49E-04	2.56E-03
ENSG00000164929	BAALC	8	103140713	103230305	89592	protein coding	-1.05	8.16E-03	3.89E-02
ENSG00000143333	RGS16	1	182598623	182604389	5766	protein coding	-1.05	5.52E-03	3.00E-02
ENSG00000204745	AC083899.1	2	87125198	87196629	71431	unprocessed pseudogene	-1.05	2.21E-03	1.60E-02
ENSG00000185567	AHNAK2	14	104937244	104978374	41130	protein coding	-1.05	2.48E-03	1.74E-02
ENSG00000006704	GTF2IRD1	7	74453790	74602605	148815	protein coding	-1.05	2.19E-03	1.60E-02
ENSG00000140839	CLEC18B	16	74408270	74421953	13683	protein coding	-1.05	1.15E-03	1.02E-02
ENSG00000235138	AL445931.1	9	134054290	134058805	4515	lncRNA-antisense	-1.05	1.17E-02	5.00E-02
ENSG00000260589	STAM-AS1	10	17641284	17643878	2594	lncRNA-antisense	-1.05	2.67E-03	1.83E-02
ENSG00000188368	PRR19	19	42302098	42310821	8723	protein coding	-1.05	3.72E-03	2.28E-02
ENSG00000243323	PTRPRV	1	202168051	202189455	21404	unitary pseudogene	-1.05	7.05E-04	7.34E-03
ENSG00000230749	MEIS1-AS2	2	66439088	66444221	5133	lncRNA-antisense	-1.05	4.98E-03	2.79E-02
ENSG00000085741	WNT11	11	76186325	76210736	24411	protein coding	-1.05	1.58E-03	1.27E-02
ENSG00000163491	NEK10	3	27110085	27369460	259375	protein coding	-1.05	1.99E-04	3.16E-03
ENSG00000273654	AC020904.2	19	18022403	18032099	9696	transcribed processed pseudogene	-1.05	7.66E-03	3.73E-02
ENSG00000183873	SCN5A	3	38548057	38649687	101630	protein coding	-1.05	6.28E-03	3.27E-02
ENSG00000165152	PGAP4	9	101473170	101533537	60367	protein coding	-1.05	7.53E-03	3.68E-02
ENSG00000090889	KIF4A	X	70290104	70420886	130782	protein coding	-1.05	3.49E-03	2.19E-02
ENSG00000236548	RNF217-AS1	6	124644434	124963165	318731	lncRNA-antisense	-1.05	4.46E-04	5.40E-03
ENSG00000230303	AL353743.2	9	85783668	85805154	21486	lncRNA	-1.06	2.72E-03	1.85E-02
ENSG00000229961	AL357143.1	1	157171116	157191963	20847	transcribed unprocessed pseudogene	-1.06	3.49E-04	4.56E-03
ENSG00000159214	CCDC24	1	43991359	43996528	5169	protein coding	-1.06	7.28E-04	7.52E-03
ENSG00000285728	AC098484.4	1	42658687	42682160	23473	lncRNA-antisense	-1.06	1.20E-03	1.05E-02
ENSG00000137731	FXYD2	11	117800844	117828696	27854	protein coding	-1.06	8.26E-04	8.20E-03
ENSG00000259577	CERNA1	15	52179999	52206915	26916	lncRNA	-1.06	3.79E-03	2.31E-02
ENSG00000253764	AC019257.1	8	1971153	1974637	3484	lncRNA	-1.06	8.41E-03	3.97E-02
ENSG00000156466	GDF6	8	96142333	96160806	18473	protein coding	-1.06	8.92E-03	4.13E-02

ENSG00000260288	AC019294.2	15	75737820	75763322	25502	lncRNA	-1.06	6.98E-04	7.29E-03
ENSG00000237505	PKN2-AS1	1	87620803	88685204	1064401	lncRNA-antisense	-1.06	1.64E-03	1.30E-02
ENSG00000139835	GRTP1	13	113324163	113364148	39985	protein coding	-1.06	1.03E-02	4.58E-02
ENSG00000166682	TMPRSS5	11	113687547	113706373	18826	protein coding	-1.06	7.39E-05	1.61E-03
ENSG00000236107	SCN1A-AS1	2	165957188	166390771	433583	lncRNA-antisense	-1.06	3.36E-03	2.13E-02
ENSG00000276116	FUT8-AS1	14	65411170	65412690	1520	lncRNA-antisense	-1.06	9.01E-03	4.15E-02
ENSG00000204311	PJVK	2	178451346	178462102	10756	protein coding	-1.06	1.07E-03	9.72E-03
ENSG00000196935	SRGAP1	12	63844700	64162217	317517	protein coding	-1.06	5.92E-05	1.37E-03
ENSG00000286943	AP001992.2	11	74931724	74936937	5213	lncRNA	-1.06	3.30E-03	2.11E-02
ENSG00000081479	LRP2	2	169127109	169362534	235425	protein coding	-1.06	4.02E-04	5.05E-03
ENSG00000234568	BIN2P1	4	82275071	82278600	1529	processed pseudogene	-1.06	9.42E-03	4.28E-02
ENSG00000244405	ETV5	3	186046314	186110318	64004	protein coding	-1.06	3.55E-03	2.21E-02
ENSG00000183166	CALN1	7	71779491	72447151	667660	protein coding	-1.06	4.22E-03	2.49E-02
ENSG00000236021	AL591043.2	1	176207648	176447919	240271	lncRNA-antisense	-1.06	1.87E-03	1.43E-02
ENSG00000108018	SORCS1	10	106573663	107164534	590871	protein coding	-1.06	1.00E-02	4.49E-02
ENSG00000085831	TTC39A	1	51287258	51345116	57858	protein coding	-1.06	3.10E-04	4.24E-03
ENSG00000176584	DMBT1L1	10	122729429	122826868	97439	transcribed unitary pseudogene	-1.06	3.06E-03	2.00E-02
ENSG00000231133	HAR1B	20	63090806	63102631	11825	lncRNA	-1.06	4.87E-04	5.72E-03
ENSG00000115657	ABCB6	2	219209772	219218994	9222	protein coding	-1.06	1.68E-03	1.32E-02
ENSG00000164626	KCNK5	6	39188971	39229475	40504	protein coding	-1.06	5.88E-04	6.50E-03
ENSG00000174640	SLCO2A1	3	133932701	134052184	119483	protein coding	-1.06	2.33E-03	1.66E-02
ENSG00000117834	SLC5A9	1	48222685	48248644	25959	protein coding	-1.06	4.45E-05	1.12E-03
ENSG00000151892	GFR1	10	116056925	116273284	216359	protein coding	-1.06	7.92E-03	3.81E-02
ENSG00000285966	AC007686.4	14	76958098	77000609	42511	lncRNA	-1.07	5.24E-03	2.89E-02
ENSG00000167889	MGAT5B	17	76868404	76950393	81989	protein coding	-1.07	4.62E-03	2.65E-02
ENSG00000183535	COL18A1-AS1	21	45419716	45425070	5354	lncRNA-antisense	-1.07	7.56E-03	3.69E-02
ENSG00000145536	ADAMTS16	5	5140330	5320304	179974	protein coding	-1.07	1.09E-02	4.73E-02
ENSG00000144550	CPNE9	3	9703826	9729908	26082	protein coding	-1.07	4.17E-03	2.47E-02
ENSG00000284959	AC007262.2	14	81012099	81170429	158330	lncRNA-antisense	-1.07	4.82E-05	1.19E-03
ENSG00000197980	LEKR1	3	156825481	157046129	220648	protein coding	-1.07	1.02E-03	9.40E-03
ENSG00000162738	VANGL2	1	160400564	160428670	28106	protein coding	-1.07	9.88E-03	4.43E-02
ENSG00000227373	RABGAP1L-DT	1	174110268	174160165	49897	lncRNA	-1.07	8.90E-04	8.60E-03
ENSG00000279954	BX324167.2	22	45875932	45879247	3315	lncRNA-antisense	-1.07	5.95E-03	3.15E-02
ENSG00000268015	AC010320.2	19	52222225	52231294	9069	lncRNA-antisense	-1.07	9.55E-03	4.32E-02
ENSG00000177614	PGBD5	1	230314490	230426332	111842	protein coding	-1.07	5.64E-03	3.04E-02
ENSG00000124159	MATN4	20	45293445	45308529	15084	protein coding	-1.07	8.40E-03	3.96E-02
ENSG00000130558	OLFM1	9	135075422	135121180	45758	protein coding	-1.07	1.23E-05	4.80E-04
ENSG00000275410	HNF1B	17	37686431	37745105	58674	protein coding	-1.07	1.03E-02	4.57E-02
ENSG00000175820	CCDC168	13	102729367	102759072	29705	protein coding	-1.07	2.09E-03	1.54E-02
ENSG00000187134	AKR1C1	10	4963253	4983283	20030	protein coding	-1.07	1.10E-03	9.89E-03
ENSG00000124232	RBPJL	20	45306840	45317824	10984	protein coding	-1.07	9.67E-03	4.36E-02
ENSG00000198788	MUC2	11	1074875	1110511	35636	protein coding	-1.07	8.02E-03	3.84E-02
ENSG00000288597	AC234782.2	X	103707034	103919047	212013	lncRNA	-1.07	1.14E-03	1.01E-02
ENSG00000156959	LHFPL4	3	9498361	9553822	55461	protein coding	-1.07	2.60E-03	1.79E-02
ENSG00000226252	AL135960.1	1	47225797	47230750	4953	lncRNA-antisense	-1.07	4.87E-04	5.72E-03
ENSG00000188582	PAQR9	3	142949164	142963674	14510	protein coding	-1.07	4.74E-03	2.70E-02
ENSG00000166402	TUB	11	8019244	8106243	86999	protein coding	-1.07	2.02E-05	6.60E-04
ENSG00000118997	DNAH7	2	195737703	196068837	331134	protein coding	-1.07	1.30E-04	2.35E-03
ENSG00000276747	PADI6	1	17372196	17401699	29503	protein coding	-1.07	7.40E-03	3.64E-02
ENSG00000124205	EDN3	20	59300443	59325992	25549	protein coding	-1.07	1.01E-02	4.52E-02
ENSG00000237352	LINC01358	1	58933643	59240555	306912	lncRNA	-1.07	2.79E-03	1.88E-02
ENSG00000186185	KIF18B	17	44924709	44947773	23064	protein coding	-1.07	8.46E-04	8.32E-03
ENSG00000253669	GASAL1	8	102805517	102810039	4522	lncRNA	-1.07	4.54E-03	2.62E-02
ENSG00000184361	SPATA32	17	45254393	45262094	7701	protein coding	-1.08	4.37E-03	2.55E-02
ENSG00000115705	TPO	2	1374066	1543711	169645	protein coding	-1.08	1.41E-03	1.17E-02
ENSG00000183785	TUBA8	22	18110331	18148554	36223	protein coding	-1.08	2.03E-03	1.51E-02
ENSG00000124615	MOCS1	6	39899578	39934551	34973	protein coding	-1.08	5.78E-04	6.42E-03
ENSG0000027152	AC110048.2	15	66860303	66867203	6720	lncRNA	-1.08	2.45E-05	7.49E-04
ENSG00000108813	DLX4	17	49968970	49974959	5989	protein coding	-1.08	7.93E-04	7.97E-03
ENSG00000212993	POU5F1B	8	127322183	127420066	97883	protein coding	-1.08	3.50E-04	4.58E-03
ENSG00000152377	SPOCK1	5	136975298	137598379	623081	protein coding	-1.08	1.79E-04	2.94E-03
ENSG00000274605	PCCA-DT	13	100053074	100088950	35876	lncRNA	-1.08	1.56E-03	1.26E-02
ENSG00000160188	RSPH1	21	42472486	42496246	23760	protein coding	-1.08	8.32E-03	3.94E-02
ENSG00000226496	LINC00323	21	41141493	41148198	6705	lncRNA-antisense	-1.08	1.14E-02	4.88E-02
ENSG00000267452	LINC02073	17	51336646	51521401	184755	lncRNA	-1.08	1.04E-03	9.53E-03
ENSG00000283709	FAM238C	10	26931206	26944418	13212	transcribed unprocessed pseudogene	-1.08	7.99E-04	8.02E-03
ENSG00000075391	RASAL2	1	178094104	178484147	390043	protein coding	-1.08	1.12E-04	2.13E-03
ENSG00000117791	MTARC2	1	220748225	220784815	36590	protein coding	-1.08	2.93E-03	1.95E-02
ENSG00000214711	CAPN14	2	31173056	31233858	60802	protein coding	-1.08	6.41E-05	1.46E-03
ENSG00000007372	PAX6	11	31784779	31817961	33182	protein coding	-1.08	7.93E-03	3.81E-02
ENSG00000196878	LAMB3	1	209614870	209652425	37555	protein coding	-1.08	3.91E-04	4.95E-03
ENSG00000176349	AC104129.1	7	1838586	1849931	11345	lncRNA-antisense	-1.08	3.81E-03	2.32E-02
ENSG00000079215	SLC1A3	5	36606355	36688334	81979	protein coding	-1.08	1.48E-04	2.56E-03
ENSG00000054690	PLEKH11	14	67533290	67589612	56322	protein coding	-1.08	1.14E-03	1.02E-02
ENSG00000232722	MROH4P	8	142567260	142577881	10621	transcribed unitary pseudogene	-1.08	9.15E-03	4.20E-02
ENSG00000179242	CDH4	20	61252261	61940617	688356	protein coding	-1.08	4.15E-04	5.15E-03
ENSG00000107147	KCNT1	9	135702185	135795508	93323	protein coding	-1.08	1.10E-03	9.90E-03
ENSG00000198400	NTRK1	1	156815640	156881850	66210	protein coding	-1.08	1.28E-03	1.10E-02
ENSG00000119630	PGF	14	74941834	74955626	13792	protein coding	-1.08	8.18E-03	3.89E-02
ENSG00000115850	LCT	2	135787850	135837184	49334	protein coding	-1.08	7.04E-03	3.52E-02
ENSG00000227963	RBM15-AS1	1	110286375	110339171	52796	lncRNA-antisense	-1.08	1.64E-04	2.75E-03
ENSG00000149646	CNBD2	20	35954564	36030700	76136	protein coding	-1.08	1.60E-05	5.67E-04
ENSG00000143476	DTL	1	212035553	212107400	71847	protein coding	-1.08	1.06E-03	9.65E-03
ENSG00000119508	NR4A3	9	99821855	99868891	45036	protein coding	-1.08	5.32E-04	6.06E-03
ENSG00000168502	MTCL1	18	8705661	8832778	127117	protein coding	-1.09	6.84E-05	1.53E-03
ENSG00000182648	LINC01006	7	156388922	156640654	251732	lncRNA	-1.09	1.01E-05	4.15E-04
ENSG00000169684	CHRNA5	15	78565520	78595269	29749	protein coding	-1.09	1.69E-03	1.33E-02
ENSG00000072832	CRMP1	4	5748084	5893086	145002	protein coding	-1.09	1.96E-03	1.48E-02
ENSG00000064309	CDON	11	125955796	126063335	107539	protein coding	-1.09	8.84E-05	1.81E-03
ENSG00000088538	DOCK3	3	50674927	51384198	709271	protein coding	-1.09	1.70E-06	1.27E-04

ENSG0000105877	DNAH11	7	21543039	21901839	358800	protein coding	-1.09	3.52E-06	2.02E-04
ENSG0000161082	CEL5	19	3224661	3297076	72415	protein coding	-1.09	7.84E-03	3.78E-02
ENSG00000085276	MECOM	3	169083499	169663775	580276	protein coding	-1.09	3.01E-03	1.98E-02
ENSG00000174807	CD248	11	66314494	66317044	2550	protein coding	-1.09	2.87E-04	4.03E-03
ENSG00000080573	COL5A3	19	9959561	10010504	50943	protein coding	-1.09	3.28E-04	4.40E-03
ENSG0000121075	TBX4	17	61452404	61485110	32706	protein coding	-1.09	8.94E-03	4.13E-02
ENSG00000224418	STK24-AS1	13	98577244	98578830	1586	lncRNA-antisense	-1.09	7.85E-03	3.79E-02
ENSG00000130176	CNN1	19	11538767	11550323	11556	protein coding	-1.09	6.91E-03	3.48E-02
ENSG00000166856	GPR182	12	56994492	56998447	3955	protein coding	-1.09	1.08E-02	4.71E-02
ENSG00000110900	TSPAN11	12	30926428	30996602	70174	protein coding	-1.09	3.77E-03	2.30E-02
ENSG00000181585	TMIE	3	46694528	46710886	16358	protein coding	-1.09	1.28E-03	1.10E-02
ENSG00000112276	BVES	6	105096822	105137157	40335	protein coding	-1.09	9.08E-03	4.18E-02
ENSG00000197467	COL13A1	10	69801880	69964275	162395	protein coding	-1.09	4.97E-06	2.58E-04
ENSG00000246477	AF131216.1	8	11315859	11325429	9570	lncRNA-antisense	-1.09	1.04E-02	4.60E-02
ENSG00000279982	AL162274.3	10	131996738	131999846	3108	TEC	-1.09	1.44E-03	1.19E-02
ENSG00000122778	KIAA1549	7	138831381	138981389	150008	protein coding	-1.09	2.44E-04	3.63E-03
ENSG00000287543	AC013486.1	15	74040190	74043332	3142	lncRNA	-1.09	1.19E-03	1.04E-02
ENSG00000142798	HSPG2	1	21822244	21937310	115066	protein coding	-1.09	1.47E-04	2.55E-03
ENSG00000206535	LNP1	3	100401532	100456319	54787	protein coding	-1.09	7.52E-03	3.68E-02
ENSG00000089723	OTUB2	14	94026340	94048930	22590	protein coding	-1.09	1.83E-03	1.41E-02
ENSG00000242512	LINC01206	3	181952343	182035644	83301	lncRNA	-1.09	2.74E-03	1.86E-02
ENSG00000169783	LINGO1	15	77613027	77820900	207873	protein coding	-1.09	5.17E-03	2.86E-02
ENSG00000156564	LRFN2	6	40391591	40587364	195773	protein coding	-1.09	6.84E-03	3.46E-02
ENSG00000006283	CACNA1G	17	50560715	50627474	66759	protein coding	-1.09	1.09E-02	4.73E-02
ENSG00000198643	FAM3D	3	58633946	58666834	32888	protein coding	-1.09	6.27E-03	3.27E-02
ENSG00000081277	PKP1	1	201283452	201332993	49541	protein coding	-1.09	6.14E-03	3.22E-02
ENSG00000060709	RIMBP2	12	130396137	130716281	320144	protein coding	-1.09	5.76E-03	3.08E-02
ENSG00000186806	VSIG10L	19	51331536	51342124	10588	protein coding	-1.09	1.57E-04	2.67E-03
ENSG00000172867	KRT2	12	52644558	52652211	7653	protein coding	-1.09	9.45E-03	4.29E-02
ENSG00000258057	BCDIN3D-AS1	12	49827913	49841143	13230	lncRNA-antisense	-1.09	7.88E-04	7.94E-03
ENSG00000117114	ADGRL2	1	81306147	81992436	686289	protein coding	-1.10	1.04E-02	4.60E-02
ENSG00000212939	Z97192.1	22	49548681	49556473	7792	lncRNA	-1.10	1.03E-02	4.57E-02
ENSG00000086967	MYBPC2	19	50432892	50466321	33429	protein coding	-1.10	7.14E-04	7.43E-03
ENSG00000117707	PROX1	1	213983181	214041510	58329	protein coding	-1.10	3.53E-03	2.20E-02
ENSG00000214870	AC004540.1	7	26398593	26497595	99002	lncRNA	-1.10	4.97E-04	5.79E-03
ENSG00000183117	C5MD1	8	2935353	4994972	2059619	protein coding	-1.10	3.07E-04	4.21E-03
ENSG00000242262	AC092597.1	4	47706372	47706987	615	processed_pseudogene	-1.10	4.81E-04	5.67E-03
ENSG00000270977	AC015849.5	17	35893707	35911651	17944	transcribed processed_pseudogene	-1.10	1.52E-03	1.23E-02
ENSG00000130997	POLN	4	2071918	2242121	170203	protein coding	-1.10	1.78E-04	2.92E-03
ENSG00000169744	LDB2	4	16501541	16898678	397137	protein coding	-1.10	9.08E-04	8.72E-03
ENSG00000260456	C16orf95	16	87083562	87317420	233858	protein coding	-1.10	1.93E-04	3.09E-03
ENSG00000229205	LINC00200	10	1159768	1289426	129658	lncRNA	-1.10	3.78E-03	2.31E-02
ENSG00000102935	ZNF423	16	49487524	49857919	370395	protein coding	-1.10	1.62E-03	1.29E-02
ENSG00000286381	AL078622.1	22	49047484	49052549	5065	lncRNA	-1.10	8.57E-04	8.39E-03
ENSG00000222005	LINC01118	2	46698940	46822804	123864	lncRNA-sense overlapping	-1.10	3.48E-04	4.56E-03
ENSG00000283828	AL137002.2	13	113149432	113154002	4570	lncRNA-antisense	-1.10	6.88E-03	3.47E-02
ENSG00000174482	LINGO2	9	27948078	28670286	722208	protein coding	-1.10	8.11E-03	3.87E-02
ENSG00000178222	RNF212	4	1056250	1113564	57314	protein coding	-1.10	1.47E-04	2.54E-03
ENSG00000176912	TYMSOS	18	630886	658340	27454	lncRNA-bidirectional promoter lncRNA	-1.10	1.10E-02	4.76E-02
ENSG00000126467	TSKS	19	49739753	49763306	23553	protein coding	-1.10	8.57E-04	8.39E-03
ENSG00000158008	EXTL1	1	26019884	26036464	16580	protein coding	-1.10	4.82E-03	2.73E-02
ENSG00000116761	CTH	1	70411218	70439851	28633	protein coding	-1.10	3.18E-03	2.05E-02
ENSG00000196876	SCN8A	12	51590266	51812864	222598	protein coding	-1.10	2.61E-06	1.67E-04
ENSG00000117983	MUC5B	11	1223066	1262172	39106	protein coding	-1.10	6.40E-04	6.87E-03
ENSG00000273387	AC005005.3	22	31082156	31083565	1409	lncRNA-antisense	-1.10	8.42E-03	3.97E-02
ENSG00000150667	FSIP1	15	39588357	39782841	194484	protein coding	-1.10	3.14E-03	2.04E-02
ENSG00000180336	MEIOC	17	44656404	44690308	33904	protein coding	-1.10	7.65E-04	7.78E-03
ENSG00000228065	LINC01515	10	65570338	65880289	309951	lncRNA	-1.10	2.62E-03	1.80E-02
ENSG00000149403	GRIK4	11	120511746	120988906	477160	protein coding	-1.10	3.32E-04	3.50E-03
ENSG00000142959	BEST4	1	44783585	44788170	4585	protein coding	-1.10	4.36E-03	2.55E-02
ENSG00000160051	IQCC	1	32205671	32208682	3011	protein coding	-1.10	2.98E-03	1.97E-02
ENSG00000286458	AC083870.1	7	134816543	134998153	181610	lncRNA	-1.10	1.09E-02	4.73E-02
ENSG00000144395	CCDC150	2	196639554	196763490	123936	protein coding	-1.10	5.39E-04	6.12E-03
ENSG00000162458	FBLIM1	1	15756607	15786594	29987	protein coding	-1.10	1.08E-02	4.70E-02
ENSG00000171811	CFAP46	10	132808392	132942823	134431	protein coding	-1.10	1.38E-03	1.16E-02
ENSG00000287760	AC099521.3	16	68448843	68450002	1159	lncRNA	-1.10	3.20E-04	4.32E-03
ENSG00000198597	ZNF536	19	30228290	30713538	485248	protein coding	-1.11	9.24E-03	4.22E-02
ENSG00000177640	CASC2	10	118046279	118210158	163879	lncRNA-antisense	-1.11	3.16E-03	2.05E-02
ENSG00000166819	PLIN1	15	89664367	89679427	15060	protein coding	-1.11	3.28E-04	4.40E-03
ENSG00000175161	CADM2	3	84958989	86074429	1115440	protein coding	-1.11	7.39E-03	3.64E-02
ENSG00000198626	RYR2	1	237042184	237833988	791804	protein coding	-1.11	5.20E-04	5.97E-03
ENSG00000231290	APCDD1L-DT	20	58515379	58619888	104509	lncRNA	-1.11	4.04E-03	2.41E-02
ENSG00000120875	DUSP4	8	29333064	29350684	17620	protein coding	-1.11	4.81E-04	5.68E-03
ENSG00000197181	PIWIL2	8	22275316	22357568	82252	protein coding	-1.11	3.36E-04	4.46E-03
ENSG00000232860	SMG7-AS1	1	183460874	183472265	11391	lncRNA	-1.11	6.67E-03	3.40E-02
ENSG0000021488	SLC7A9	19	32830509	32869767	39258	protein coding	-1.11	4.55E-03	2.63E-02
ENSG00000182256	GABRG3	15	26971181	27541984	570803	protein coding	-1.11	8.25E-03	3.91E-02
ENSG00000259845	HERC2P10	15	30815271	30844153	28882	unprocessed_pseudogene	-1.11	4.98E-03	2.79E-02
ENSG00000233421	LINC01783	1	16533886	16536172	2286	lncRNA	-1.11	6.99E-03	3.50E-02
ENSG00000152104	PTPN14	1	214348700	214552449	203749	protein coding	-1.11	8.32E-05	1.74E-03
ENSG00000157680	DGKI	7	137381037	137847092	466055	protein coding	-1.11	2.97E-03	1.97E-02
ENSG00000129204	USP6	17	5116032	5175034	59002	protein coding	-1.11	4.11E-04	5.12E-03
ENSG00000206384	COL6A6	3	130560334	130678155	117821	protein coding	-1.11	2.97E-03	1.96E-02
ENSG00000204614	TRIM40	6	30136124	30148735	12611	protein coding	-1.11	9.24E-03	4.23E-02
ENSG00000079156	OSBPL6	2	178194481	178402893	208412	protein coding	-1.11	1.31E-04	2.35E-03
ENSG00000102678	FGF9	13	21671073	21704498	33425	protein coding	-1.11	5.24E-03	2.89E-02
ENSG00000184350	MRGPRE	11	3225030	3232417	7387	protein coding	-1.11	9.26E-03	4.23E-02
ENSG00000240497	AC092919.1	3	171459248	171469702	10454	lncRNA	-1.11	5.27E-03	2.90E-02
ENSG00000286215	AL356534.1	6	126304223	127213609	909386	transcribed processed_pseudogene	-1.11	1.20E-03	1.05E-02
ENSG00000250733	C8orf17	8	139931172	139933942	2770	TEC	-1.11	1.09E-02	4.74E-02

ENSG00000205209	SCGB2B2	19	34593329	34675699	82370	protein coding	-1.11	9.63E-04	9.07E-03
ENSG00000260971	AC119674.1	1	56154545	56477687	323142	lncRNA	-1.11	7.66E-03	3.73E-02
ENSG00000107719	PALD1	10	70478767	70568450	89683	protein coding	-1.11	2.05E-04	3.23E-03
ENSG00000184347	SLIT3	5	168661733	169301139	639406	protein coding	-1.11	5.31E-03	2.91E-02
ENSG00000136425	CIB2	15	78104606	78131535	26929	protein coding	-1.11	2.38E-05	7.36E-04
ENSG00000169855	ROBO1	3	78597239	79767998	1170759	protein coding	-1.11	1.87E-03	1.43E-02
ENSG00000174804	FZD4	11	86945679	86955395	9716	protein coding	-1.11	1.94E-03	1.47E-02
ENSG00000243069	ARHGFE26-AS1	3	154024401	154121347	96946	lncRNA	-1.11	7.76E-03	3.76E-02
ENSG00000269113	TRABD2B	1	47760528	47997385	236857	protein coding	-1.11	3.81E-03	2.32E-02
ENSG00000091536	MYO15A	17	18108706	18179802	71096	protein coding	-1.11	7.40E-04	7.59E-03
ENSG00000128342	LIF	22	30240453	30246759	6306	protein coding	-1.11	8.39E-03	3.96E-02
ENSG00000105559	PLEKHA4	19	48837097	48868617	31520	protein coding	-1.11	7.59E-04	7.73E-03
ENSG00000167695	TLCD3A	17	732412	742968	10556	protein coding	-1.11	6.81E-04	7.18E-03
ENSG00000146648	EGFR	7	55019017	55211628	192611	protein coding	-1.12	1.42E-03	1.18E-02
ENSG00000065361	ERBB3	12	56076799	56103505	26706	protein coding	-1.12	3.61E-04	4.68E-03
ENSG00000153303	FRMD1	6	168053166	168101511	48345	protein coding	-1.12	6.59E-04	7.02E-03
ENSG00000186340	THBS2	6	169215780	169254050	38270	protein coding	-1.12	2.27E-03	1.63E-02
ENSG00000267287	AC068473.3	18	79576460	79589010	12550	lncRNA	-1.12	5.20E-03	2.87E-02
ENSG00000142513	ACP4	19	50790415	50795219	4804	protein coding	-1.12	1.06E-02	4.64E-02
ENSG00000144857	BOC	3	113211003	113287459	76456	protein coding	-1.12	4.04E-04	5.06E-03
ENSG00000244161	FLNB-AS1	3	58162547	58170636	8089	lncRNA-antisense	-1.12	5.61E-03	3.03E-02
ENSG00000260796	AC145285.3	16	28820570	28822033	1463	lncRNA-antisense	-1.12	1.99E-03	1.49E-02
ENSG00000284523	AC004834.1	7	99252452	99252828	73374	lncRNA-antisense	-1.12	8.39E-03	3.96E-02
ENSG00000112319	EYAA4	6	133240598	133532126	291530	protein coding	-1.12	1.05E-02	4.63E-02
ENSG00000127329	PTPRB	12	70515870	70637440	121570	protein coding	-1.12	1.14E-05	4.52E-04
ENSG00000100593	ISM2	14	77474394	77498816	24422	protein coding	-1.12	6.33E-04	6.81E-03
ENSG00000145147	SLIT2	4	20251905	20620561	368656	protein coding	-1.12	2.12E-03	1.56E-02
ENSG00000260423	LINC02367	12	9347056	9400387	53331	lncRNA	-1.12	3.23E-03	2.08E-02
ENSG00000119946	CNNM1	10	99329356	99394330	64974	protein coding	-1.12	5.02E-03	2.80E-02
ENSG00000166147	FBN1	15	48408313	48454721	237408	protein coding	-1.12	1.14E-04	2.14E-03
ENSG00000162572	SCNN1D	1	1280436	1292029	11593	protein coding	-1.12	3.95E-09	1.87E-06
ENSG00000144724	PTPRG	3	61561569	62297609	736040	protein coding	-1.12	4.96E-05	1.21E-03
ENSG00000164309	CMYA5	5	79689836	79800240	110404	protein coding	-1.12	6.63E-04	7.03E-03
ENSG00000064270	ATP2C2	16	84368527	84464187	95660	protein coding	-1.12	5.39E-04	6.12E-03
ENSG00000145113	MUC4	3	195746765	195811973	65208	protein coding	-1.12	1.73E-03	1.35E-02
ENSG00000164082	GRM2	3	51707068	51718613	11545	protein coding	-1.12	2.61E-04	3.79E-03
ENSG00000173567	ADGRF3	2	26308173	26346817	38644	protein coding	-1.12	6.70E-04	7.08E-03
ENSG00000108602	ALDH3A1	17	19737984	19748943	10959	protein coding	-1.12	1.07E-03	9.74E-03
ENSG00000278599	TBC1D3E	17	38127951	38138862	10911	protein coding	-1.12	5.16E-03	2.86E-02
ENSG00000130226	DPP6	7	153887097	154894285	1007188	protein coding	-1.12	2.09E-04	3.26E-03
ENSG00000139767	SRRM4	12	118981541	119163051	181510	protein coding	-1.12	1.40E-03	1.16E-02
ENSG00000165309	ARMC3	10	22928024	23038523	110499	protein coding	-1.12	2.88E-04	4.04E-03
ENSG00000136895	GARNL3	9	127224265	127393660	169395	protein coding	-1.12	2.83E-07	3.64E-05
ENSG00000124882	EREG	4	74365145	74388749	23604	protein coding	-1.12	5.29E-03	2.90E-02
ENSG00000251600	AC107223.1	4	143559457	144343750	784293	lncRNA	-1.12	4.06E-05	1.05E-03
ENSG00000132204	LINC00470	18	1254383	1408344	153961	lncRNA	-1.12	5.69E-03	3.06E-02
ENSG00000185689	C6orf201	6	4079206	4130951	51745	protein coding	-1.12	1.86E-03	1.42E-02
ENSG00000133121	STAR1D3	13	33103137	33350630	247493	protein coding	-1.13	1.26E-03	1.09E-02
ENSG00000232453	LINC02777	1	58882868	58931897	49029	lncRNA	-1.13	6.00E-03	3.17E-02
ENSG00000170558	CDH2	18	27932879	28117946	245067	protein coding	-1.13	1.31E-04	2.37E-03
ENSG00000100065	CARD10	22	37490362	37519542	29180	protein coding	-1.13	3.33E-03	2.12E-02
ENSG00000224413	AP001476.1	21	46037052	46039807	2755	lncRNA	-1.13	9.76E-03	4.39E-02
ENSG00000164283	ESM1	5	54977867	55022671	44804	protein coding	-1.13	5.05E-03	2.82E-02
ENSG00000165995	CACNB2	10	18140424	18543557	403133	protein coding	-1.13	6.37E-05	1.45E-03
ENSG00000146216	TTBK1	6	43243481	43288258	44777	protein coding	-1.13	4.66E-03	2.67E-02
ENSG00000197506	SLC28A3	9	84275457	84340758	65301	protein coding	-1.13	2.42E-04	3.61E-03
ENSG00000060656	PTPRU	1	29236516	29326813	90297	protein coding	-1.13	1.67E-03	1.32E-02
ENSG00000124839	RAB17	2	237574322	237601614	27292	protein coding	-1.13	9.02E-03	4.16E-02
ENSG00000102466	FGF14	13	101710804	102402457	691653	protein coding	-1.13	3.31E-03	2.11E-02
ENSG00000081803	CADPS2	7	122318411	122886759	568348	protein coding	-1.13	3.88E-03	2.35E-02
ENSG00000157087	ATP2B2	3	10324023	10708007	383984	protein coding	-1.13	3.00E-04	4.15E-03
ENSG00000186188	FFAR4	10	93566665	93604480	37815	protein coding	-1.13	1.06E-03	9.69E-03
ENSG00000169562	GJB1	X	71212811	71225516	12705	protein coding	-1.13	6.26E-03	3.26E-02
ENSG00000113739	STC2	5	173314713	173329503	14790	protein coding	-1.13	3.70E-03	2.28E-02
ENSG00000186952	TMEM232	5	110289233	110738956	449723	protein coding	-1.13	1.44E-03	1.19E-02
ENSG00000141668	CBLN2	18	72536680	72638521	101841	protein coding	-1.13	5.84E-03	3.11E-02
ENSG00000172901	LVRN	5	115962454	116027619	65165	protein coding	-1.13	4.96E-03	2.79E-02
ENSG00000273706	LHX1	17	36936785	36944612	7827	protein coding	-1.13	7.58E-03	3.70E-02
ENSG00000235927	NEXN-AS1	1	77881348	77889539	8191	lncRNA-antisense	-1.13	5.57E-03	3.01E-02
ENSG00000134917	ADAMT58	11	130404923	130428609	23686	protein coding	-1.13	2.22E-03	1.61E-02
ENSG00000242628	AC009228.1	2	24210650	24222201	11551	lncRNA-antisense	-1.13	1.18E-03	1.04E-02
ENSG00000137203	TFAP2A	6	10393186	10419659	26473	protein coding	-1.13	3.52E-03	2.20E-02
ENSG00000076344	RGS11	16	268301	275980	7679	protein coding	-1.13	3.42E-03	2.16E-02
ENSG00000238273	AC108058.1	2	105363038	105378839	15801	lncRNA-antisense	-1.13	7.49E-03	3.67E-02
ENSG00000205853	RFPL3S	22	32359886	32382106	22220	lncRNA	-1.13	1.64E-05	5.73E-04
ENSG00000211644	IGLV1-51	22	22322472	22322969	497	IG V gene	-1.13	1.10E-02	4.76E-02
ENSG00000102302	FGD1	X	54445454	54496234	50780	protein coding	-1.13	1.59E-03	1.27E-02
ENSG00000214944	ARHGFE28	5	73626158	73941993	315835	protein coding	-1.14	3.23E-05	8.96E-04
ENSG00000203801	LINC00222	6	108751654	108769942	18288	lncRNA	-1.14	5.09E-03	2.83E-02
ENSG00000136367	ZFHX2	14	23520857	23556192	35335	protein coding	-1.14	2.69E-05	7.93E-04
ENSG00000105792	CFAP69	7	90245174	90311063	65889	protein coding	-1.14	4.95E-03	2.78E-02
ENSG00000287859	AC008507.4	19	30058229	30060797	2568	lncRNA	-1.14	2.27E-03	1.63E-02
ENSG00000121270	ABC11	16	48165773	48247568	81795	protein coding	-1.14	8.34E-04	8.25E-03
ENSG00000277287	AL109976.1	20	3239705	3245382	5677	lncRNA	-1.14	6.52E-03	3.35E-02
ENSG0000003096	KLHL13	X	117897813	118117340	219527	protein coding	-1.14	4.19E-04	5.17E-03
ENSG00000067445	TRO	X	54920462	54931431	10969	protein coding	-1.14	1.01E-03	9.38E-03
ENSG00000165269	AQP7	9	33383179	33402682	19503	protein coding	-1.14	5.62E-03	3.03E-02
ENSG00000070729	CNGB1	16	57882340	57971128	88788	protein coding	-1.14	9.71E-04	9.13E-03
ENSG00000286084	AL096794.1	6	105403207	105588802	185595	lncRNA-bidirectional promoter lncRNA	-1.14	1.16E-02	4.96E-02
ENSG00000107130	NCS1	9	130172404	130237303	64899	protein coding	-1.14	2.47E-04	3.66E-03

ENSG00000178965	ERICH3	1	74568117	74673792	105675	protein coding	-1.14	4.13E-03	2.45E-02
ENSG00000088305	DNMT3B	20	32762385	32809356	46971	protein coding	-1.14	2.12E-04	3.29E-03
ENSG00000204653	ASPDH	19	50511600	50514690	3090	protein coding	-1.14	1.83E-03	1.41E-02
ENSG00000205978	NYNRIN	14	24399003	24419283	20280	protein coding	-1.14	2.80E-04	3.98E-03
ENSG00000163701	IL17RE	3	9902612	9916402	13790	protein coding	-1.14	2.61E-03	1.80E-02
ENSG00000275383	AC126773.6	16	68591382	68594424	3042	lncRNA	-1.14	3.14E-04	4.27E-03
ENSG00000100968	NFATC4	14	24365673	24379604	13931	protein coding	-1.14	6.43E-03	3.32E-02
ENSG00000233928	AL591501.1	X	33726337	34346527	620190	lncRNA	-1.14	1.06E-02	4.66E-02
ENSG00000105479	CCDC114	19	48296457	48321971	25514	protein coding	-1.14	1.22E-06	9.76E-05
ENSG00000167588	GPD1	12	50103982	50111313	7331	protein coding	-1.14	6.20E-04	6.73E-03
ENSG00000187498	COL4A1	13	110148963	110307157	158194	protein coding	-1.14	1.44E-04	2.52E-03
ENSG00000157765	SLC34A2	4	25648011	25678748	30737	protein coding	-1.14	2.93E-03	1.94E-02
ENSG00000101438	SLC32A1	20	38724486	38729372	4886	protein coding	-1.14	7.18E-03	3.57E-02
ENSG00000157224	CLDN12	7	90383721	90513402	129681	protein coding	-1.14	1.75E-04	2.90E-03
ENSG00000203392	AC105020.1	15	75678548	75680752	2204	lncRNA-antisense	-1.14	1.20E-03	1.05E-02
ENSG00000142279	WTIP	19	34481758	34512304	30546	protein coding	-1.14	1.91E-04	3.07E-03
ENSG00000163687	DNASE1L3	3	58192257	58214697	22440	protein coding	-1.14	1.85E-04	3.01E-03
ENSG00000166813	KIF7	15	89608789	89655467	46678	protein coding	-1.14	1.43E-03	1.19E-02
ENSG00000088340	FER1L4	20	35558737	35607562	48825	transcribed unitary pseudogene	-1.14	1.89E-03	1.44E-02
ENSG00000198768	APCDD1L	20	58459101	58515399	56298	protein coding	-1.14	2.06E-03	1.53E-03
ENSG00000135643	KCNMB4	12	70366290	70434292	68002	protein coding	-1.14	6.50E-05	1.47E-03
ENSG00000179846	NKPD1	19	45149750	45160815	11065	protein coding	-1.14	7.22E-04	7.48E-03
ENSG00000087116	ADAMT5	5	179110853	179345461	234608	protein coding	-1.14	6.89E-04	7.24E-03
ENSG00000126787	DLGAP5	14	55148112	55191608	43496	protein coding	-1.14	1.69E-03	1.33E-02
ENSG00000261794	GOLGA8H	15	30604126	30614561	10435	protein coding	-1.14	4.72E-03	2.70E-02
ENSG00000249700	SRD5A3-AS1	4	55363971	55395847	31876	lncRNA	-1.14	1.07E-03	9.74E-03
ENSG00000046889	PREX2	8	67952046	68237032	284986	protein coding	-1.15	4.76E-03	2.71E-02
ENSG00000178445	GLDC	9	6532467	6645729	113262	protein coding	-1.15	1.01E-03	9.37E-03
ENSG00000104722	NEFM	8	24913758	24919098	5340	protein coding	-1.15	1.61E-03	1.29E-02
ENSG00000256802	AC022613.1	15	29674990	29680957	5967	lncRNA-antisense	-1.15	1.04E-02	4.58E-02
ENSG00000257522	AL133166.1	14	29210986	29392048	181062	lncRNA	-1.15	1.02E-02	4.52E-02
ENSG00000196353	CPNE4	3	131533555	132285410	751855	protein coding	-1.15	5.17E-04	5.95E-03
ENSG00000171094	ALK	2	29192774	29215866	728812	protein coding	-1.15	3.33E-04	4.44E-03
ENSG00000117407	ARTN	1	43933320	43937240	3920	protein coding	-1.15	1.15E-02	4.94E-02
ENSG00000172296	SPTLC3	20	13008972	13169103	160131	protein coding	-1.15	4.11E-04	5.12E-03
ENSG00000005108	THSD7A	7	11370365	11832198	461833	protein coding	-1.15	2.78E-04	3.96E-03
ENSG00000180730	SHISA2	13	26044597	26052016	7419	protein coding	-1.15	5.43E-03	2.96E-02
ENSG00000160460	SPTBN4	19	40466241	40576464	110223	protein coding	-1.15	6.20E-04	6.72E-03
ENSG00000235257	ITGA9-AS1	3	37693655	37861802	168147	lncRNA	-1.15	1.59E-05	5.65E-04
ENSG00000140297	GCNT3	15	59594875	59640239	45364	protein coding	-1.15	2.13E-04	3.30E-03
ENSG00000243819	RN7SL832P	2	10690344	10692099	1755	lncRNA	-1.15	2.05E-03	1.52E-02
ENSG00000129946	SHC2	19	416583	460996	44413	protein coding	-1.15	1.78E-03	1.38E-02
ENSG00000165409	TSHR	14	80954989	81146306	191317	protein coding	-1.15	2.81E-04	3.98E-03
ENSG00000241956	AC109466.1	5	164296696	165171643	874947	lncRNA-antisense	-1.15	1.03E-02	4.58E-02
ENSG00000284848	LINC02359	12	126094112	126177632	83520	lncRNA	-1.15	1.14E-02	4.90E-02
ENSG00000065320	NTN1	17	9021510	9244000	222490	protein coding	-1.15	1.71E-03	1.34E-02
ENSG00000179362	HMGNP46	15	45511136	45586290	75154	transcribed processed pseudogene	-1.15	9.99E-03	4.47E-02
ENSG00000152932	RAB3C	5	58582221	58859394	277173	protein coding	-1.15	7.59E-03	3.70E-02
ENSG00000110786	PTPN5	11	18727928	18792721	64793	protein coding	-1.15	1.22E-03	1.06E-02
ENSG00000257298	AC008147.2	12	50185580	50191363	5783	lncRNA-sense intronic	-1.15	6.05E-04	6.61E-03
ENSG00000110328	GALNT18	11	11270877	11622005	351128	protein coding	-1.15	1.78E-03	1.38E-02
ENSG00000171956	FOXB1	15	60004234	60061730	57496	protein coding	-1.15	2.27E-03	1.63E-02
ENSG00000068615	REEP1	2	86213993	86338083	124090	protein coding	-1.15	1.80E-03	1.39E-02
ENSG00000070019	GUCY2C	12	14612632	14696599	83967	protein coding	-1.15	1.35E-03	1.14E-02
ENSG00000187172	BAGE2	21	10413477	10516431	102954	transcribed unprocessed pseudogene	-1.15	2.33E-03	1.66E-02
ENSG00000163792	TCF23	2	27149004	27156974	7970	protein coding	-1.15	7.44E-03	3.66E-02
ENSG00000152578	GRIA4	11	10560994	105982092	372098	protein coding	-1.15	8.27E-03	3.92E-02
ENSG00000286504	AC092745.4	12	8282677	8286518	3841	lncRNA	-1.15	4.06E-03	2.42E-02
ENSG00000230262	LINC02603	9	94176492	94259545	83053	lncRNA	-1.15	4.73E-03	2.70E-02
ENSG00000134207	SYT6	1	114089291	114153880	64589	protein coding	-1.16	2.43E-03	1.71E-02
ENSG00000166268	MYRFL	12	69825227	69959097	133870	protein coding	-1.16	5.52E-03	3.00E-02
ENSG00000178636	AC092856.1	4	119192773	119212644	19871	transcribed processed pseudogene	-1.16	9.52E-03	4.31E-02
ENSG00000147256	ARHGAP36	X	131058346	13109885	31539	protein coding	-1.16	5.07E-03	2.83E-02
ENSG00000272153	AL365330.1	1	3785008	3785538	530	lncRNA-antisense	-1.16	9.42E-03	4.28E-02
ENSG00000073734	ABCB11	2	168915498	169031324	115826	protein coding	-1.16	8.31E-03	3.93E-02
ENSG00000158683	PKD1L1	7	47740202	47948466	208264	protein coding	-1.16	3.52E-06	2.02E-04
ENSG00000272989	LINC02012	3	197505262	197506986	1724	lncRNA	-1.16	6.98E-03	3.50E-02
ENSG00000166394	CYB5R2	11	7665100	7677222	12122	protein coding	-1.16	1.80E-04	2.95E-03
ENSG00000162782	TDRD5	1	179591613	179691222	99659	protein coding	-1.16	3.77E-03	2.30E-02
ENSG00000173805	HAP1	17	41717742	41734644	16902	protein coding	-1.16	3.63E-03	2.25E-02
ENSG00000132681	ATPIA4	1	160151596	16018690	35394	protein coding	-1.16	3.74E-03	2.29E-02
ENSG00000159871	LYPD5	19	43785874	43827206	41332	protein coding	-1.16	4.66E-04	5.55E-03
ENSG00000204967	PCDHA4	5	140806929	141012347	205418	protein coding	-1.16	6.32E-03	3.28E-02
ENSG00000091986	CCDC80	3	112596797	112649530	52733	protein coding	-1.16	1.64E-03	1.31E-02
ENSG00000112246	SIM1	6	100385009	100464921	79912	protein coding	-1.16	4.93E-03	2.78E-02
ENSG00000109927	TECTA	11	121101243	121191490	90247	protein coding	-1.16	1.82E-05	6.17E-04
ENSG00000138615	CILP	15	65194760	65211473	16713	protein coding	-1.16	3.10E-05	8.74E-04
ENSG00000136010	ALDH1L2	12	105019784	105107643	87859	protein coding	-1.16	1.56E-04	2.66E-03
ENSG00000235888	AF064858.1	21	38988569	39062894	74325	lncRNA	-1.16	1.44E-04	2.52E-03
ENSG00000266718	AC079336.5	17	32495536	32500910	5374	lncRNA-antisense	-1.16	2.41E-03	1.70E-02
ENSG00000234884	AL022329.1	22	25561117	25564719	3602	lncRNA-antisense	-1.16	1.06E-02	4.66E-02
ENSG00000162576	MXRA8	1	1352689	1361777	9088	protein coding	-1.16	8.58E-04	8.39E-03
ENSG00000198883	PNMA5	X	152988824	152994116	5292	protein coding	-1.16	4.75E-03	2.70E-02
ENSG00000135436	FAM186B	12	49582885	49605639	22754	protein coding	-1.16	1.12E-03	1.00E-02
ENSG00000177138	FAM9B	X	9024232	9295682	271450	protein coding	-1.16	3.96E-03	2.37E-02
ENSG00000187942	LDLRAD2	1	21812265	21825225	12960	protein coding	-1.16	3.79E-04	4.84E-03
ENSG00000120756	PLS1	3	142596393	14271366	117271	protein coding	-1.16	4.68E-05	1.17E-03
ENSG00000082497	SERTAD4	1	210232796	210246631	13835	protein coding	-1.16	9.62E-03	4.35E-02
ENSG00000146555	SDK1	7	3301252	4269000	967748	protein coding	-1.16	1.79E-05	6.08E-04
ENSG00000276203	ANKRD20A3P	9	66106815	66179474	72659	protein coding	-1.16	5.02E-03	2.81E-02

ENSG00000197763	TXNRD3	3	126571779	126655124	83345	protein coding	-1.16	7.23E-05	1.58E-03
ENSG00000138193	PLCE1	10	93993931	94332823	338892	protein coding	-1.16	3.15E-05	8.83E-04
ENSG00000246662	LINC00535	8	93213302	93700433	487131	lncRNA-antisense	-1.16	8.57E-03	4.02E-02
ENSG00000149043	SYT8	11	1828307	1837521	9214	protein coding	-1.16	5.45E-03	2.97E-02
ENSG00000135094	SDS	12	113392445	113426301	33856	protein coding	-1.16	3.02E-03	1.99E-02
ENSG00000150656	CNDP1	18	74534500	74587212	52712	protein coding	-1.16	1.91E-03	1.45E-02
ENSG00000100206	DMC1	22	38518948	38570204	51256	protein coding	-1.16	1.12E-02	4.82E-02
ENSG00000153976	HS3ST3A1	17	13494032	13601929	107897	protein coding	-1.16	9.64E-03	4.36E-02
ENSG00000152527	PLEKHH2	2	43637260	43767987	130727	protein coding	-1.16	1.14E-05	4.52E-04
ENSG00000104728	ARHGEF10	8	1823926	1958641	134715	protein coding	-1.16	1.39E-03	1.16E-02
ENSG00000136928	GABBR2	9	98288109	98708935	420826	protein coding	-1.16	5.69E-03	3.06E-02
ENSG00000241644	INMT	7	30697985	30757602	59617	protein coding	-1.16	2.02E-03	1.50E-02
ENSG00000283361	CFAP97D2	13	114154691	114223084	68393	protein coding	-1.16	1.71E-03	1.34E-02
ENSG00000279080	AL022322.2	22	38130216	38150612	20396	lncRNA-antisense	-1.16	2.72E-05	7.99E-04
ENSG00000253943	KRT18P37	8	41511240	41512521	1281	processed_pseudogene	-1.16	2.69E-03	1.84E-02
ENSG00000248213	CICP16	4	118635970	118638782	2812	processed_pseudogene	-1.16	4.37E-03	2.55E-02
ENSG00000143850	FLKHA6	1	204218853	204377665	158812	protein coding	-1.16	4.54E-05	1.14E-03
ENSG00000139926	FRMD6	14	51489100	51730727	241627	protein coding	-1.16	5.24E-04	6.00E-03
ENSG00000144619	CNTN4	3	2098813	3057959	959146	protein coding	-1.17	6.79E-03	3.44E-02
ENSG00000243629	LINC00890	3	157081667	157128595	46928	lncRNA	-1.17	3.87E-03	2.34E-02
ENSG00000149090	PAMR1	11	35431823	35530300	98477	protein coding	-1.17	4.76E-03	2.71E-02
ENSG00000258986	TMEM179	14	104474678	104605647	130969	protein coding	-1.17	3.03E-03	1.99E-02
ENSG00000185666	SYN3	22	32507820	33058381	550561	protein coding	-1.17	2.16E-05	6.86E-04
ENSG00000147465	STAR	8	38142700	38150992	8292	protein coding	-1.17	1.05E-02	4.63E-02
ENSG00000187048	CYP4A11	1	46929177	46941484	12307	protein coding	-1.17	7.08E-03	3.54E-02
ENSG00000198723	TEX45	19	7492976	7508450	15474	protein coding	-1.17	4.61E-03	2.65E-02
ENSG00000196167	COLCA1	11	111290787	111305498	14711	lncRNA-antisense	-1.17	2.60E-04	3.78E-03
ENSG00000226571	AL592429.2	6	139271362	139667284	395922	lncRNA-antisense	-1.17	3.45E-05	9.45E-04
ENSG00000262576	PCDHGA4	5	141355021	141512975	157954	protein coding	-1.17	6.66E-03	3.40E-02
ENSG00000196460	RFX8	2	101397359	101475112	77753	protein coding	-1.17	7.01E-03	3.51E-02
ENSG00000105357	MYH14	19	50188186	50310542	122356	protein coding	-1.17	1.04E-03	9.57E-03
ENSG00000261996	AC004706.1	17	6653464	6655009	1545	lncRNA	-1.17	7.95E-03	3.82E-02
ENSG00000214797	AP002358.1	11	59268876	59284033	15157	lncRNA	-1.17	4.04E-03	2.41E-02
ENSG00000082684	SEMA5B	3	122909082	123028605	119523	protein coding	-1.17	4.59E-04	5.50E-03
ENSG00000134762	DSC3	18	30989365	31042815	53450	protein coding	-1.17	9.51E-03	4.31E-02
ENSG00000132164	SLC6A11	3	10816201	10940714	124513	protein coding	-1.17	3.37E-03	2.14E-02
ENSG00000273084	AC092171.5	7	5428731	5429672	941	lncRNA	-1.17	7.72E-03	3.75E-02
ENSG00000122966	CIT	12	119685791	119877320	191529	protein coding	-1.17	6.64E-07	6.61E-05
ENSG00000079841	RIMS1	6	71886703	72403143	516440	protein coding	-1.17	7.05E-03	3.53E-02
ENSG00000177511	ST8SIA3	18	57352557	57371731	19174	protein coding	-1.17	6.51E-03	3.35E-02
ENSG00000159263	SIM2	21	36699115	36749917	50802	protein coding	-1.17	6.58E-03	3.38E-02
ENSG00000108576	SLC6A4	17	30194319	30236002	41683	protein coding	-1.17	1.76E-04	2.90E-03
ENSG00000282556	AC068733.3	11	6319140	6360454	41314	lncRNA	-1.17	4.43E-03	2.58E-02
ENSG00000173705	SUSD5	3	33150043	33218810	68767	protein coding	-1.17	3.70E-03	2.28E-02
ENSG00000225206	MIR137HG	1	97933474	98049863	116389	lncRNA	-1.17	6.01E-03	3.17E-02
ENSG00000272549	LINC02538	6	167666840	167679270	12430	lncRNA	-1.17	5.83E-03	3.10E-02
ENSG00000169184	MN1	22	27748277	27801756	53479	protein coding	-1.17	1.50E-05	5.48E-04
ENSG00000143552	NUP210L	1	153992685	154155116	162431	protein coding	-1.17	6.19E-04	6.72E-03
ENSG00000163909	HEYL	1	39623435	39639643	16208	protein coding	-1.17	7.89E-03	3.80E-02
ENSG00000135773	CAPN9	1	230747384	230802003	54619	protein coding	-1.17	9.23E-03	4.22E-02
ENSG00000155875	SAXO1	9	18858906	19049358	190452	protein coding	-1.17	5.29E-04	6.05E-03
ENSG00000080031	PTPRH	19	55181247	55209506	28259	protein coding	-1.17	7.38E-04	7.58E-03
ENSG00000168878	SFTPB	2	85657314	85668741	11427	protein coding	-1.17	4.41E-03	2.57E-02
ENSG00000156140	ADAMT53	4	72280969	72569221	288252	protein coding	-1.18	7.28E-03	3.60E-02
ENSG00000145864	GABBR2	5	161288429	161549044	260615	protein coding	-1.18	1.43E-03	1.19E-02
ENSG00000088367	EPB41L1	20	36091504	36232799	141295	protein coding	-1.18	2.59E-04	3.77E-03
ENSG00000233654	AC108047.1	2	190534855	190569776	34921	lncRNA-antisense	-1.18	7.75E-03	3.75E-02
ENSG00000111907	TPD52L1	6	125119049	125264407	145358	protein coding	-1.18	4.48E-03	2.60E-02
ENSG00000104611	SH2D4A	8	19313693	19396218	82525	protein coding	-1.18	6.05E-03	3.19E-02
ENSG00000106258	CYP3A5	7	99648194	99679998	31804	protein coding	-1.18	3.61E-04	4.68E-03
ENSG00000229847	EMX2OS	10	117473215	117545068	71853	lncRNA-antisense	-1.18	1.36E-03	1.15E-02
ENSG00000141750	STAC2	17	39210541	39225945	15404	protein coding	-1.18	2.85E-03	1.90E-02
ENSG00000223466	LINC01825	2	195532945	195540287	7342	lncRNA	-1.18	5.00E-03	2.80E-02
ENSG00000130032	PRRG3	X	151694607	151705924	11317	protein coding	-1.18	5.82E-03	3.10E-02
ENSG00000124915	MYRF-AS1	11	61746493	61757655	11162	lncRNA	-1.18	5.54E-03	3.00E-02
ENSG00000142945	KIF2C	1	44739818	44767767	27949	protein coding	-1.18	2.34E-03	1.67E-02
ENSG00000256713	PGA5	11	61241175	61251444	10269	protein coding	-1.18	1.07E-02	4.69E-02
ENSG00000146839	ZAN	7	100733595	100797797	64202	protein coding	-1.18	1.68E-03	1.32E-02
ENSG00000280916	FOXQ1	6	1601654	1607354	5700	lncRNA	-1.18	1.17E-02	5.00E-02
ENSG00000233593	LINC02609	1	90769086	90851658	82572	lncRNA	-1.18	1.95E-03	1.47E-02
ENSG00000250208	FZD10-AS1	12	130144315	130162256	17941	lncRNA	-1.18	1.03E-03	9.47E-03
ENSG00000112812	PRSS16	6	27247701	27256624	8923	protein coding	-1.18	9.28E-04	8.87E-03
ENSG00000171962	DRC3	17	17972813	18016889	44076	protein coding	-1.18	2.12E-05	6.79E-04
ENSG00000198576	ARC	8	142611049	142614479	3430	protein coding	-1.18	6.26E-03	3.26E-02
ENSG00000136535	TBR1	2	161416297	161425870	9573	protein coding	-1.18	7.12E-03	3.55E-02
ENSG00000179528	LBX2	2	74497517	74503316	5799	protein coding	-1.18	2.83E-04	4.01E-03
ENSG00000164488	DACT2	6	168292830	168319777	26947	protein coding	-1.18	1.00E-02	4.48E-02
ENSG00000229140	CCDC26	8	128634199	129683770	1049571	lncRNA	-1.18	3.35E-07	4.11E-05
ENSG00000049283	EPN3	17	50532682	50543750	11068	protein coding	-1.18	1.10E-02	4.77E-02
ENSG00000238098	ABCA17P	16	2339150	2426699	87549	transcribed unitary pseudogene	-1.18	1.47E-03	1.21E-03
ENSG00000090530	P3H2	3	189956728	190122437	165709	protein coding	-1.18	4.33E-04	5.29E-03
ENSG00000229589	ACVR2B-AS1	3	38451027	38454820	3793	lncRNA-antisense	-1.18	8.61E-03	4.03E-02
ENSG00000163833	FBXO4P	3	121593379	121630295	36916	protein coding	-1.18	6.40E-03	3.31E-02
ENSG00000278530	CHMP1B2P	X	80228489	80335364	106875	transcribed unitary pseudogene	-1.18	6.73E-03	3.42E-02
ENSG00000167772	ANGPTL4	19	8363289	8374370	11081	protein coding	-1.18	8.32E-03	3.94E-02
ENSG00000228526	MIR34AHG	1	9148011	9198906	50895	lncRNA	-1.18	1.45E-05	5.36E-04
ENSG00000197893	NRAP	10	113588714	113664070	75356	protein coding	-1.18	5.40E-03	2.95E-02
ENSG00000131746	TNS4	17	40475828	40501623	25795	protein coding	-1.18	1.92E-04	3.07E-03
ENSG00000144668	ITGA9	3	37452115	37823507	371392	protein coding	-1.18	3.05E-06	1.84E-04
ENSG00000255458	AC108471.2	4	39639107	39666879	27772	lncRNA-bidirectional promoter lncRNA	-1.18	2.47E-03	1.73E-02

ENSG00000189013	KIR2DL4	19	54803535	54814517	10982	protein coding	-1.18	3.35E-03	2.13E-02
ENSG00000257307	AL162311.2	14	35881001	35881709	708	processed_pseudogene	-1.19	1.88E-03	1.43E-02
ENSG00000117122	MFAP2	1	16974502	16980632	6130	protein coding	-1.19	5.60E-03	3.02E-02
ENSG00000100884	CPNE6	14	24070837	24078100	7263	protein coding	-1.19	7.73E-03	3.75E-02
ENSG00000230131	LINC02641	10	123356450	123537767	181317	lncRNA	-1.19	2.17E-06	1.49E-04
ENSG0000070886	EPHA8	1	22563489	22603595	40106	protein coding	-1.19	3.95E-03	2.37E-02
ENSG00000263761	GDF2	10	47322454	47327588	5134	protein coding	-1.19	1.05E-02	4.62E-02
ENSG00000281406	BLACAT1	1	205434885	205457091	22206	protein coding	-1.19	3.96E-03	2.38E-02
ENSG00000169946	ZFPM2	8	104590733	105804539	1213806	protein coding	-1.19	2.52E-03	1.75E-02
ENSG00000157064	NMNAT2	1	183248237	183418380	170143	protein coding	-1.19	2.21E-03	1.60E-02
ENSG00000119547	ONECUT2	18	57435374	57491298	55924	protein coding	-1.19	4.53E-03	2.62E-02
ENSG00000168481	LG3	8	22146830	22157084	10254	protein coding	-1.19	9.20E-03	4.21E-02
ENSG00000206432	TMEM200C	18	5882072	5895955	13883	protein coding	-1.19	9.19E-04	8.79E-03
ENSG00000159915	ZNF233	19	44259880	44275317	15437	protein coding	-1.19	8.68E-04	8.46E-03
ENSG00000204241	LINC02731	11	134032216	134067936	35720	lncRNA	-1.19	3.09E-05	8.74E-04
ENSG00000188958	UTS2B	3	191267168	191330536	63368	protein coding	-1.19	5.13E-03	2.84E-02
ENSG00000176678	FOXL1	16	86576368	86583478	7110	protein coding	-1.19	8.28E-03	3.92E-02
ENSG00000041515	MYO16	13	108596152	109208005	611853	protein coding	-1.19	4.40E-04	5.35E-03
ENSG00000075218	GTSE1	22	46296870	46330810	33940	protein coding	-1.19	3.90E-04	4.95E-03
ENSG00000258405	ZNF578	19	52453553	52516882	63329	protein coding	-1.19	1.89E-02	3.05E-03
ENSG00000223573	TINCR	19	5558167	5578349	20182	protein coding	-1.19	5.09E-03	2.83E-02
ENSG00000196482	ESRRG	1	216503246	217137755	634509	protein coding	-1.19	4.17E-03	2.47E-02
ENSG00000154380	ENAH	1	225486835	225653142	166307	protein coding	-1.19	7.37E-06	3.38E-04
ENSG00000134193	REG4	1	119794017	119811580	17563	protein coding	-1.19	8.21E-03	3.90E-02
ENSG00000283078	AL137077.2	20	62066830	62068437	1607	lncRNA	-1.19	8.96E-03	4.14E-02
ENSG00000257851	HNRNPA3P10	12	51712469	51713606	1137	processed_pseudogene	-1.19	8.17E-03	3.89E-02
ENSG00000187726	DNAJB13	11	73951026	73970366	19340	protein coding	-1.19	3.67E-03	2.26E-02
ENSG00000246250	AC087521.2	11	43827517	43880726	53209	lncRNA-antisense	-1.19	2.20E-03	1.60E-02
ENSG00000145832	SLC25A48	5	135579202	13588970	310568	protein coding	-1.19	3.89E-03	2.35E-02
ENSG00000130762	ARHGFE16	1	3454665	3481113	26448	protein coding	-1.19	7.83E-03	3.78E-02
ENSG00000129195	PIMREG	17	6444441	6451469	7028	protein coding	-1.19	1.12E-02	4.84E-02
ENSG00000188130	MAPK12	22	50245450	50261176	16266	protein coding	-1.19	1.14E-03	1.01E-02
ENSG00000186510	CLCNKA	1	16018875	16034050	15175	protein coding	-1.19	2.86E-03	1.91E-02
ENSG00000164556	FAM183BP	7	38685346	38687037	1691	processed_pseudogene	-1.19	1.03E-02	4.56E-02
ENSG00000161973	CCDC42	17	8729935	8745219	15284	protein coding	-1.19	1.06E-02	4.65E-02
ENSG00000170477	KRT4	12	52806549	52814116	7567	protein coding	-1.19	9.32E-03	4.25E-02
ENSG00000083067	TRPM3	9	70529060	71446904	917844	protein coding	-1.19	1.75E-03	1.36E-02
ENSG00000288540	AL008720.2	22	48320412	48333199	12787	lncRNA	-1.20	9.88E-03	4.43E-02
ENSG00000197410	DCHS2	4	154231742	154491799	260057	protein coding	-1.20	1.56E-04	2.66E-03
ENSG00000169071	ROR2	9	91563091	91950228	387137	protein coding	-1.20	9.85E-04	9.21E-03
ENSG00000149380	PAHA3	11	74235801	74311640	75839	protein coding	-1.20	4.92E-03	2.77E-02
ENSG00000275832	ARHGAP23	17	38419280	38512385	93105	protein coding	-1.20	1.33E-06	1.03E-04
ENSG00000164066	INTU	4	127623271	127726737	103466	protein coding	-1.20	2.88E-04	4.05E-03
ENSG00000273674	AC021752.1	15	50839875	50908603	68728	lncRNA	-1.20	1.67E-03	1.32E-02
ENSG00000142623	PADI1	1	17205128	17246007	40879	protein coding	-1.20	1.08E-02	4.70E-02
ENSG00000144821	MYH15	3	108380368	108529322	148954	protein coding	-1.20	3.09E-04	4.24E-03
ENSG00000267750	RUNDC3A-AS1	17	44299574	44315315	15741	lncRNA-antisense	-1.20	7.37E-05	1.60E-03
ENSG00000177294	FBXO39	17	6776215	6797101	20886	protein coding	-1.20	6.97E-04	7.28E-03
ENSG00000175264	CHST1	11	45647689	45665622	17933	protein coding	-1.20	2.88E-03	1.92E-02
ENSG00000159337	PLA2G4D	15	42067009	42094562	27553	protein coding	-1.20	1.40E-03	1.17E-02
ENSG00000132837	DMGDH	5	78997564	79236038	238474	protein coding	-1.20	1.09E-03	9.83E-03
ENSG00000137962	ARHGAP29	1	94148988	94275068	126080	protein coding	-1.20	1.39E-04	2.45E-03
ENSG00000164078	MST1R	3	49887002	49903873	16871	protein coding	-1.20	7.08E-04	7.37E-03
ENSG00000233602	ERI3-IT1	1	44243408	44244273	865	lncRNA-sense intronic	-1.20	1.00E-02	4.48E-02
ENSG00000234945	GTF3C2-AS1	2	27335520	27342599	7079	lncRNA-antisense	-1.20	1.06E-03	9.68E-03
ENSG00000215915	ATAD3C	1	1449689	1470163	20474	protein coding	-1.20	3.16E-05	8.87E-04
ENSG00000217416	ISCA1P1	5	62776877	62777263	386	processed_pseudogene	-1.20	1.73E-03	1.35E-02
ENSG00000228818	AL359918.1	1	240142670	240145389	2719	processed_pseudogene	-1.20	1.14E-02	4.88E-02
ENSG00000228058	LINC01736	1	230002372	230007195	4823	lncRNA	-1.20	2.43E-03	1.71E-02
ENSG00000138316	ADAMTS14	10	70672506	70762441	89935	protein coding	-1.20	3.76E-03	2.30E-02
ENSG00000285091	AL109840.2	20	58916000	58981169	65169	lncRNA-bidirectional promoter lncRNA	-1.20	8.59E-03	4.02E-02
ENSG00000226581	LINC02848	7	63900313	63925202	24889	lncRNA	-1.20	1.82E-04	2.97E-03
ENSG00000109265	CRACD	4	56049073	56328625	279552	protein coding	-1.20	7.90E-05	1.68E-03
ENSG00000171487	NLRP5	19	55999726	56061810	62084	protein coding	-1.20	3.36E-03	2.13E-02
ENSG00000183317	EPHA10	1	37713880	37765133	51253	protein coding	-1.20	1.39E-04	2.45E-03
ENSG00000182379	NXP4	12	57216794	57226449	9655	protein coding	-1.20	7.36E-03	3.63E-02
ENSG00000182747	SLC35D3	6	136922301	136925660	3359	protein coding	-1.20	5.77E-03	3.09E-02
ENSG00000187957	DNER	2	229357629	229714555	356926	protein coding	-1.20	5.05E-03	2.82E-02
ENSG00000075891	PAX2	10	100735603	100829944	94341	protein coding	-1.20	8.18E-04	8.15E-03
ENSG00000286909	AC024560.4	3	197649303	197651482	2179	lncRNA	-1.20	7.94E-04	7.97E-03
ENSG00000187783	TMEM72	10	44911316	44937010	25694	protein coding	-1.20	7.38E-03	3.64E-02
ENSG00000170421	KRT8	12	52897187	52949954	52767	protein coding	-1.21	1.81E-05	6.14E-04
ENSG00000280007	AC008079.1	22	18110759	18131154	20395	lncRNA-antisense	-1.21	5.26E-06	2.68E-04
ENSG00000272078	AL139423.1	1	10639241	10654333	15092	lncRNA-antisense	-1.21	3.40E-04	4.50E-03
ENSG00000136931	NR5A1	9	124481236	124507420	26184	protein coding	-1.21	7.03E-03	3.52E-02
ENSG00000132671	SSTR4	20	23035312	23039237	3925	protein coding	-1.21	7.66E-03	3.73E-02
ENSG00000110237	ARHGFE17	11	73308276	73369388	61112	protein coding	-1.21	1.07E-05	4.32E-04
ENSG00000140832	MARVELD3	16	71626161	71642114	15953	protein coding	-1.21	9.55E-04	9.03E-03
ENSG00000245468	LINC02447	4	7093776	7103394	9618	lncRNA	-1.21	8.21E-05	1.72E-03
ENSG00000170153	RNF150	4	140859807	141212877	353070	protein coding	-1.21	3.79E-03	2.31E-02
ENSG00000151025	GPR158	10	25174802	25602229	427427	protein coding	-1.21	8.94E-03	4.13E-02
ENSG00000272970	AC107294.2	3	184712245	18474010	27859	lncRNA	-1.21	7.01E-03	3.51E-02
ENSG00000237187	NR2F1-AS1	5	93360779	93585649	224870	lncRNA-antisense	-1.21	2.90E-04	4.06E-03
ENSG00000130413	STK33	11	8391868	8594289	202421	protein coding	-1.21	1.00E-04	1.98E-03
ENSG00000213225	NOC2L1P1	2	130229379	130232106	2727	transcribed processed_pseudogene	-1.21	8.36E-03	3.95E-02
ENSG00000171303	KCNK3	2	26692690	26733420	40730	protein coding	-1.21	3.52E-03	2.20E-02
ENSG00000152931	PART1	5	60487713	60548813	61100	lncRNA	-1.21	1.32E-03	1.12E-02
ENSG00000166833	NAV2	11	19350274	20121601	770877	protein coding	-1.21	2.71E-05	7.97E-04
ENSG00000188501	LCTL	15	66547179	66565979	18800	protein coding	-1.21	1.03E-03	9.50E-03
ENSG00000101282	RSPO4	20	958452	1002311	43859	protein coding	-1.21	6.75E-03	3.43E-02

ENSG00000135424	ITGA7	12	55684568	55716043	31475	protein coding	-1.21	5.91E-06	2.89E-04
ENSG00000006611	USH1C	11	17493895	17544416	50521	protein coding	-1.21	2.58E-03	1.79E-02
ENSG00000177359	AC024940.1	12	31111652	31201235	89583	transcribed unprocessed pseudogene	-1.21	1.82E-04	2.97E-03
ENSG00000130037	KCNA5	12	5043879	5046788	2909	protein coding	-1.21	3.32E-03	2.12E-02
ENSG00000174370	C11orf45	11	128899565	128906035	6470	protein coding	-1.21	3.00E-03	1.98E-02
ENSG00000180113	TDRD6	6	46687875	46704319	16444	protein coding	-1.21	7.72E-04	7.83E-03
ENSG00000202217	RN7SKP47	9	74799895	74800222	327	misc RNA	-1.21	4.89E-03	2.76E-02
ENSG00000116774	OLFML3	1	113979391	114035572	56181	protein coding	-1.21	3.64E-03	2.25E-02
ENSG00000236039	AC019117.1	7	17405479	17558909	153430	lncRNA	-1.21	9.42E-03	4.28E-02
ENSG00000119147	ECRG4	2	106063246	106078155	14909	protein coding	-1.21	2.86E-03	1.91E-02
ENSG00000168309	FAM107A	3	58564117	58627610	63493	protein coding	-1.21	1.49E-03	1.22E-02
ENSG00000150873	Czor50	2	11133128	11151317	18189	protein coding	-1.21	4.20E-04	5.18E-03
ENSG00000187391	MAGI2	7	78017055	79453667	1436612	protein coding	-1.21	3.82E-05	1.01E-03
ENSG00000251602	AL928654.1	14	105416884	105419739	2855	lncRNA-antisense	-1.21	2.28E-03	1.64E-02
ENSG00000162571	TLL10	1	1173880	1197936	24056	protein coding	-1.21	3.03E-03	1.99E-02
ENSG00000161681	SHANK1	19	50659255	50719802	60547	protein coding	-1.21	1.47E-04	2.54E-03
ENSG00000064787	BCAS1	20	53936777	54070594	133817	protein coding	-1.21	7.58E-05	1.64E-03
ENSG00000143921	ABCG8	2	43831942	43882988	51046	protein coding	-1.21	4.01E-03	2.40E-02
ENSG00000256925	ADGRA1-AS1	10	133083073	133088491	5418	lncRNA-antisense	-1.21	6.47E-03	3.33E-02
ENSG00000185958	FAM186A	12	50326230	50396622	70392	protein coding	-1.21	3.43E-03	2.16E-02
ENSG00000150760	DOCK1	10	126905409	127452517	547108	protein coding	-1.21	1.56E-06	1.18E-04
ENSG00000248936	AC027607.1	4	37588087	37588875	788	lncRNA-antisense	-1.21	5.54E-03	3.00E-02
ENSG00000229569	AL356753.1	10	79000484	79003803	3319	lncRNA	-1.21	5.19E-03	2.87E-02
ENSG00000277020	AL590096.1	13	20564708	20567045	2337	lncRNA-antisense	-1.22	1.12E-02	4.82E-02
ENSG00000204248	COL11A2	6	33162681	33192499	29818	protein coding	-1.22	7.56E-05	1.64E-03
ENSG00000104213	PDGFRL	8	15756433	17644071	67638	protein coding	-1.22	1.93E-03	1.46E-02
ENSG00000168702	LRP1B	2	140231423	142131016	1899593	protein coding	-1.22	1.01E-03	9.34E-03
ENSG00000156687	UNC5D	8	35235475	35796550	561075	protein coding	-1.22	6.76E-03	3.43E-02
ENSG00000186715	MST1L	1	16754910	16770237	15327	transcribed unprocessed pseudogene	-1.22	1.76E-03	1.37E-02
ENSG00000261251	Z97055.2	22	43812456	43817394	4938	lncRNA-antisense	-1.22	1.63E-04	2.75E-03
ENSG00000009950	MLXIPL	7	73593194	73624543	31349	protein coding	-1.22	1.53E-03	1.24E-02
ENSG00000122574	WPF3	7	29806486	29917066	110580	protein coding	-1.22	6.72E-03	3.42E-02
ENSG00000087250	MT3	16	56589074	56591088	2014	protein coding	-1.22	2.84E-03	1.90E-02
ENSG00000165643	SOHLH1	9	135693407	135704498	11091	protein coding	-1.22	3.20E-03	2.07E-02
ENSG00000173320	STOX2	4	183797892	184023526	225834	protein coding	-1.22	3.63E-04	4.69E-03
ENSG00000185942	NKAIN3	8	62248591	63014200	765409	protein coding	-1.22	1.28E-05	4.96E-04
ENSG00000250986	LINC02600	4	3758748	3763390	4642	lncRNA	-1.22	5.35E-03	2.93E-02
ENSG00000270823	AC007938.2	7	130495794	130498427	2633	lncRNA-antisense	-1.22	2.25E-03	1.63E-02
ENSG00000267270	PARD6G-AS1	18	80147924	80179839	31915	lncRNA-antisense	-1.22	8.85E-07	8.00E-05
ENSG00000058335	RASGRF1	15	78959906	79090780	130874	protein coding	-1.22	3.67E-04	4.73E-03
ENSG00000205084	TMEM231	16	75536741	75556268	19527	protein coding	-1.22	7.55E-04	7.71E-03
ENSG00000285219	HULC	6	8435568	8294133	858565	lncRNA-bidirectional promoter lncRNA	-1.22	3.92E-05	1.03E-03
ENSG00000151067	CACNA1C	12	1970786	2697950	727164	protein coding	-1.22	4.15E-04	5.15E-03
ENSG00000277363	SRCIN1	17	38530031	38605952	75921	protein coding	-1.22	4.29E-04	5.24E-03
ENSG00000234457	AC006960.1	7	36305631	36305904	273	processed pseudogene	-1.22	6.76E-03	3.43E-02
ENSG00000251322	SHANK3	22	50674415	50733298	58883	protein coding	-1.22	1.13E-03	1.01E-02
ENSG00000233217	MROH3P	1	200917460	200966668	49208	transcribed unitary pseudogene	-1.22	4.29E-03	2.52E-02
ENSG00000242114	MTFP1	22	30425623	30429054	3431	protein coding	-1.22	9.15E-03	4.20E-02
ENSG00000250120	PCDHA10	5	140855883	141012347	156464	protein coding	-1.22	8.03E-03	3.84E-02
ENSG00000106571	GLI3	7	41960949	42264100	303151	protein coding	-1.22	8.75E-05	1.80E-05
ENSG00000186868	MAPT	17	45894551	46028334	133783	protein coding	-1.22	9.02E-07	8.05E-05
ENSG00000180581	SRP9P1	10	91807179	91807439	260	processed pseudogene	-1.22	1.37E-03	1.15E-02
ENSG00000167780	SOAT2	12	53103486	53124535	21049	protein coding	-1.22	1.06E-03	9.67E-03
ENSG00000135097	MSI1	12	120341330	120369164	27834	protein coding	-1.22	8.14E-03	3.88E-02
ENSG00000175874	CREG2	2	101345550	101387030	41953	protein coding	-1.22	5.33E-03	2.92E-02
ENSG00000260400	AL513534.2	10	68698500	68700794	2294	lncRNA-sense overlapping	-1.22	2.25E-03	1.62E-02
ENSG00000094755	GABRP	5	170763350	170814047	50697	protein coding	-1.22	8.83E-03	4.10E-02
ENSG00000156097	GPR61	1	109539872	109548406	8534	protein coding	-1.22	1.54E-03	1.25E-02
ENSG00000130045	NXNL2	9	88534033	88584274	50241	protein coding	-1.22	4.10E-03	2.44E-02
ENSG00000132927	CLDN11	3	170418668	170454733	35865	protein coding	-1.22	5.99E-03	3.16E-02
ENSG00000136859	ANGPTL2	9	127087348	127122635	35287	protein coding	-1.22	2.68E-03	1.83E-02
ENSG00000214353	VAC14-AS1	16	70755035	70773251	18216	lncRNA-antisense	-1.22	2.29E-04	3.48E-03
ENSG00000174358	SLC6A19	5	1201595	1225111	23516	protein coding	-1.22	4.44E-05	1.12E-03
ENSG00000256263	DDX11L8	12	12310	13501	1191	unprocessed pseudogene	-1.22	2.91E-03	1.94E-02
ENSG00000142611	PRDM16	1	3069168	3438621	369453	protein coding	-1.22	5.07E-04	5.87E-03
ENSG00000080644	CHRNA3	15	78593052	78621295	28243	protein coding	-1.22	5.52E-03	2.99E-02
ENSG00000230658	KLHL7-DT	7	23100214	23105703	5489	lncRNA	-1.22	7.67E-03	3.73E-02
ENSG00000164099	PRSS12	4	118280038	118353003	72965	protein coding	-1.23	3.22E-03	2.07E-02
ENSG00000143412	ANXA9	1	150982249	150995634	13385	protein coding	-1.23	1.38E-04	2.45E-03
ENSG00000286654	AC092636.1	2	96912549	96917272	4723	lncRNA	-1.23	7.43E-03	3.65E-02
ENSG00000226374	LINC01345	1	3944547	3949024	4477	lncRNA	-1.23	6.02E-03	3.18E-02
ENSG00000231437	LINC01750	1	111989770	111998842	9072	lncRNA	-1.23	1.07E-02	4.69E-02
ENSG00000233922	LINC01694	21	45593654	45603088	9434	lncRNA	-1.23	1.51E-03	1.23E-02
ENSG00000283445	AL136985.3	1	58715609	58771295	55686	lncRNA	-1.23	1.14E-02	4.89E-02
ENSG00000177453	NIM1K	5	43192071	43280850	88779	protein coding	-1.23	2.46E-04	3.65E-03
ENSG00000122735	DNAI1	9	34457414	34520988	63574	protein coding	-1.23	6.63E-03	3.39E-02
ENSG00000112379	ARFGEF3	6	138161939	138344663	182724	protein coding	-1.23	2.92E-04	4.08E-03
ENSG00000253831	ETV3L	1	157092043	157112412	20369	protein coding	-1.23	8.22E-03	3.90E-02
ENSG00000131730	CKMT2	5	81233320	81266398	33078	protein coding	-1.23	1.17E-03	1.03E-02
ENSG00000078401	EDN1	6	12290361	12297194	6833	protein coding	-1.23	1.59E-03	1.27E-02
ENSG00000131885	KRT17P1	17	16840895	16845881	4986	transcribed unprocessed pseudogene	-1.23	9.51E-03	4.31E-02
ENSG00000262312	AC004494.1	16	3542739	3545875	3046	lncRNA-antisense	-1.23	1.56E-03	1.26E-02
ENSG00000273213	H3-2	1	143894544	143905966	11422	protein coding	-1.23	6.73E-03	3.42E-02
ENSG00000148357	HMCN2	9	130265882	130434123	168241	protein coding	-1.23	5.75E-04	6.40E-03
ENSG00000238198	LRIG2-DT	1	113011687	113073113	61426	lncRNA	-1.23	2.37E-03	1.68E-02
ENSG00000158023	CFAP251	12	121918592	122003927	85335	protein coding	-1.23	1.14E-05	4.52E-04
ENSG00000178184	PARP6G	18	80157232	80247514	90282	protein coding	-1.23	5.03E-03	2.81E-02
ENSG00000162552	WN74	1	22117313	22143969	26656	protein coding	-1.23	6.79E-04	7.16E-03
ENSG00000226903	LINC00354	13	111865136	111901264	36128	lncRNA	-1.23	6.02E-03	3.18E-02
ENSG00000158525	CPA5	7	130344816	130368730	23914	protein coding	-1.23	2.26E-03	1.63E-02

ENSG00000231204	AC011752.1	2	21317660	21561313	243653	lncRNA	-1.23	8.29E-03	3.92E-02
ENSG00000166448	TMEM130	7	98846488	98870771	24283	protein coding	-1.23	6.54E-03	3.36E-02
ENSG00000152580	IGSF10	3	151425384	151458709	33325	protein coding	-1.23	6.04E-04	6.60E-03
ENSG00000154548	SRSF12	6	89095959	89118071	22112	protein coding	-1.23	1.01E-02	4.50E-02
ENSG00000075702	WDR62	19	36054881	36105108	50227	protein coding	-1.24	2.78E-06	1.73E-04
ENSG00000101198	NKAIN4	20	63240784	63272694	31910	protein coding	-1.24	7.52E-03	3.68E-02
ENSG00000254810	AP001189.3	11	76654169	76656712	2543	lncRNA	-1.24	9.18E-03	4.21E-02
ENSG00000258811	AL583810.2	14	104842663	104845916	3253	lncRNA	-1.24	1.35E-03	1.14E-02
ENSG00000137834	SMAD6	15	66702236	66782849	80613	protein coding	-1.24	3.52E-04	4.60E-03
ENSG00000196335	STK31	7	23710203	23832513	122310	protein coding	-1.24	2.12E-04	3.29E-03
ENSG00000144642	RBMS3	3	28574791	30010391	1435600	protein coding	-1.24	1.62E-05	5.71E-04
ENSG00000259848	AC097374.1	2	94867486	94947341	79855	transcribed unprocessed pseudogene	-1.24	4.54E-04	5.46E-03
ENSG00000168454	TXNDC2	18	9885726	9889275	3549	protein coding	-1.24	6.35E-03	3.29E-02
ENSG00000115423	DNAH6	2	84516455	84819589	303134	protein coding	-1.24	1.90E-08	5.72E-06
ENSG00000173699	SPATA3	2	230990324	231025055	34731	protein coding	-1.24	4.51E-03	2.61E-02
ENSG00000145934	TENM2	5	167284799	168264157	979358	protein coding	-1.24	8.58E-04	8.39E-03
ENSG00000261693	AC134682.1	8	142403652	142407028	3376	lncRNA-antisense	-1.24	8.11E-03	3.87E-02
ENSG00000144057	STGAL2	2	106801600	106887108	85508	protein coding	-1.24	4.94E-03	2.78E-02
ENSG00000179776	CDH5	16	66366622	66404784	38162	protein coding	-1.24	6.66E-04	7.06E-03
ENSG00000229766	AL021396.1	20	8019180	8043512	24332	lncRNA-antisense	-1.24	7.29E-03	3.60E-02
ENSG00000234948	LINC01524	20	52192159	52670578	478419	lncRNA	-1.24	3.29E-05	9.08E-04
ENSG00000164199	ADGRV1	5	90529344	91164437	635093	protein coding	-1.24	1.27E-05	4.93E-04
ENSG00000258479	LINC00640	14	51333068	51365557	32489	lncRNA	-1.24	1.11E-02	4.79E-02
ENSG00000167105	TMEM92	17	50271406	50281485	10079	protein coding	-1.24	3.14E-03	2.04E-02
ENSG00000205436	EXOC3L4	14	103100144	103110559	10415	protein coding	-1.24	1.07E-03	9.71E-03
ENSG00000152822	GRM1	6	146027646	146437601	409955	protein coding	-1.24	1.60E-03	1.28E-02
ENSG00000261003	AL008628.1	6	170414139	170419325	5186	lncRNA-sense overlapping	-1.24	4.50E-04	5.43E-03
ENSG00000177469	CAVIN1	17	42402449	42423256	20807	protein coding	-1.24	1.14E-03	1.01E-02
ENSG00000278685	IQCA1L	7	151190873	151205496	14623	protein coding	-1.24	2.46E-04	3.65E-03
ENSG00000179270	PCARE	2	29060976	29074523	13547	protein coding	-1.24	5.91E-03	3.14E-02
ENSG00000143107	FNDC7	1	108712908	108742749	29841	protein coding	-1.24	7.51E-03	3.68E-02
ENSG00000146221	TCTE1	6	44278734	44297698	18964	protein coding	-1.24	4.05E-05	1.05E-03
ENSG00000169247	SH3TC2	5	148923639	149063163	139524	protein coding	-1.24	3.23E-06	1.93E-04
ENSG00000174332	GLIS1	1	53506237	53738106	231869	protein coding	-1.24	2.67E-03	1.82E-02
ENSG00000212807	OR2A42	7	144228244	144239605	11361	protein coding	-1.24	6.23E-03	3.25E-02
ENSG00000116141	MARK1	1	220528136	220664461	136325	protein coding	-1.24	1.26E-03	1.09E-02
ENSG00000253865	AC131025.1	5	149372174	149375116	2942	lncRNA-antisense	-1.24	4.01E-03	2.40E-02
ENSG00000224924	LINC00320	21	20651450	20803816	152366	lncRNA	-1.24	3.24E-03	2.08E-02
ENSG00000229956	ZRANB2-AS2	1	71081324	71489976	408652	lncRNA	-1.24	2.29E-06	1.53E-04
ENSG00000272172	AC138696.2	8	143290399	143290621	222	lncRNA-antisense	-1.24	8.98E-03	4.14E-02
ENSG00000232006	AC005537.1	7	42954135	43113931	159796	lncRNA	-1.24	2.37E-03	1.68E-02
ENSG00000236699	ARHGFB38	4	105552620	105708093	155473	protein coding	-1.25	1.93E-03	1.46E-02
ENSG00000175868	CALCB	11	14904997	15082342	177345	protein coding	-1.25	2.93E-03	1.94E-02
ENSG00000253452	AC124290.1	8	35862123	36191194	329071	lncRNA	-1.25	9.81E-03	4.41E-02
ENSG00000272235	AL590438.1	1	3306636	3310096	3460	lncRNA	-1.25	6.98E-03	3.50E-02
ENSG00000214248	AC010336.1	19	7898804	7903542	4738	lncRNA-antisense	-1.25	2.91E-05	8.40E-04
ENSG00000263818	RDM1P5	17	39057019	39113190	56171	transcribed processed pseudogene	-1.25	2.73E-03	1.86E-02
ENSG00000107807	TLX1	10	101131300	101137789	6489	protein coding	-1.25	5.50E-03	2.99E-02
ENSG00000179213	SIGLEC1	19	51246348	51269330	22982	protein coding	-1.25	8.89E-03	4.12E-02
ENSG00000234667	ACTBP13	3	49873347	49877305	3958	unitary pseudogene	-1.25	5.69E-03	3.06E-02
ENSG00000254872	LINC02688	11	1049880	1055749	5869	lncRNA	-1.25	1.84E-03	1.41E-02
ENSG00000287614	AL158198.2	6	20265720	20307200	41480	lncRNA	-1.25	6.10E-03	3.20E-02
ENSG00000157890	MEGF11	15	65895079	66253747	356668	protein coding	-1.25	3.51E-05	9.57E-04
ENSG00000218416	AC110619.1	2	240449315	240456714	7399	lncRNA	-1.25	2.42E-03	1.71E-02
ENSG00000233705	SLC26A4-AS1	7	107650260	107662204	11944	lncRNA-antisense	-1.25	4.26E-03	2.51E-02
ENSG00000147689	FAM83A	8	123178960	123210079	31119	protein coding	-1.25	1.01E-05	4.17E-04
ENSG00000091704	CPA1	7	130380339	130388114	7775	protein coding	-1.25	3.49E-03	2.19E-02
ENSG00000118972	FGF23	12	4368227	4379712	11485	protein coding	-1.25	8.99E-03	4.15E-02
ENSG00000272138	LINC01607	8	79768110	79802842	34732	lncRNA	-1.25	4.47E-03	2.60E-02
ENSG00000165762	OR4K2	14	19875142	19883932	8790	protein coding	-1.25	7.11E-03	3.55E-02
ENSG00000166558	SLC38A8	16	84009667	84042795	33128	protein coding	-1.25	3.76E-03	2.30E-02
ENSG00000159289	GOLGA6A	15	74069857	74082550	12693	protein coding	-1.25	3.47E-03	2.18E-02
ENSG00000128242	GAL3ST1	22	30554635	30574665	20030	protein coding	-1.25	9.47E-04	8.97E-03
ENSG00000172031	EPHX4	1	92029985	92063538	33553	protein coding	-1.25	3.68E-05	9.91E-04
ENSG00000188162	OTOG	11	17547259	17647150	99891	protein coding	-1.25	1.18E-03	1.04E-02
ENSG00000138696	BMPR1B	4	94757955	95158448	400493	protein coding	-1.25	9.35E-03	4.26E-02
ENSG00000235481	UBE2R2-AS1	9	33775183	33818795	43612	lncRNA-antisense	-1.25	5.40E-03	2.95E-02
ENSG00000279069	AC015813.5	17	58006674	58008187	1513	TEC	-1.25	2.31E-03	1.66E-02
ENSG00000168743	NPNT	4	105894775	106004227	109252	protein coding	-1.25	4.91E-03	2.77E-02
ENSG00000120907	ADRA1A	8	26748150	26867278	119128	protein coding	-1.25	8.97E-03	4.14E-02
ENSG00000253311	LINC01847	5	159698586	159937766	239180	lncRNA-antisense	-1.25	1.12E-02	4.82E-02
ENSG00000104237	RP1	8	54509422	54871720	362298	protein coding	-1.25	5.74E-04	6.39E-03
ENSG00000171246	NPTX1	17	80466834	80477843	11009	protein coding	-1.25	1.14E-04	2.13E-03
ENSG00000215483	LINC00598	13	40079106	40535807	456701	lncRNA	-1.25	1.71E-06	5.28E-06
ENSG00000160307	S100B	21	46598604	46605208	6604	protein coding	-1.25	2.33E-03	1.66E-02
ENSG00000266433	TBC1D3P5	17	27417690	27431623	13933	transcribed unprocessed pseudogene	-1.25	3.22E-03	2.07E-02
ENSG00000133519	ZDHHC8P1	22	23390606	23402726	12120	transcribed unprocessed pseudogene	-1.25	2.78E-03	1.88E-02
ENSG00000272791	AC073389.3	10	73630556	73631490	934	lncRNA	-1.25	7.88E-03	3.80E-02
ENSG00000231898	MYO3B-AS1	2	170332085	170408564	76479	lncRNA-antisense	-1.25	1.99E-03	1.49E-02
ENSG00000197702	PARVA	11	12377563	12535356	157793	protein coding	-1.25	5.98E-05	1.38E-03
ENSG00000177103	DSCAML1	11	117427772	117817525	389753	protein coding	-1.25	5.01E-05	1.22E-03
ENSG00000073146	MOV10L1	22	50089879	50161690	71811	protein coding	-1.25	5.80E-03	3.10E-02
ENSG00000284070	AP000356.2	22	24654171	24651657	6486	lncRNA-antisense	-1.25	6.25E-03	3.26E-02
ENSG00000158966	CACHD1	1	64470129	64693058	222929	protein coding	-1.25	6.80E-06	3.19E-04
ENSG00000198967	OR10Z1	1	158605268	158612514	7246	protein coding	-1.25	5.31E-03	2.91E-02
ENSG00000138792	ENPEP	4	110365733	110565285	199552	protein coding	-1.25	1.15E-03	1.02E-02
ENSG00000165370	GPR101	X	137023929	137033995	10066	protein coding	-1.25	3.42E-03	2.16E-02
ENSG00000227128	LBX1-AS1	10	101229577	101270148	40571	lncRNA	-1.26	4.50E-03	2.61E-02
ENSG00000215218	UBE2QL1	5	6448859	6496723	47864	protein coding	-1.26	4.62E-03	2.65E-02
ENSG00000263547	AC011095.1	18	76122968	76145259	22291	lncRNA	-1.26	4.07E-03	2.42E-02

ENSG0000081138	CDH7	18	65750252	65890337	140085	protein coding	-1.26	3.17E-03	2.05E-02
ENSG0000099869	IGF2-AS	11	2140501	2148666	8165	lncRNA-antisense	-1.26	6.29E-03	3.27E-02
ENSG0000255929	AP00043.2	11	94545330	94740355	195025	lncRNA-antisense	-1.26	9.04E-03	4.16E-02
ENSG0000249896	LINC02495	4	6200733	6239937	39204	transcribed unprocessed pseudogene	-1.26	4.40E-05	1.12E-03
ENSG0000219607	PPP1R3G	6	5085341	5089487	4146	protein coding	-1.26	1.84E-04	2.99E-03
ENSG0000204434	POTEKP	2	131591752	131628147	36395	unprocessed pseudogene	-1.26	1.95E-03	1.47E-02
ENSG0000206579	XKR4	8	55102028	55542054	440026	protein coding	-1.26	2.45E-03	1.72E-02
ENSG0000157131	C8A	1	56854797	56918223	63426	protein coding	-1.26	1.07E-02	4.69E-02
ENSG0000227744	LINC01940	2	238919302	238926269	6967	lncRNA	-1.26	8.63E-03	4.03E-02
ENSG00002286100	AL008725.1	20	44864435	44885604	21169	lncRNA-bidirectional promoter lncRNA	-1.26	1.68E-03	1.32E-02
ENSG0000244953	AC087521.1	11	43943787	43947206	3419	lncRNA	-1.26	5.78E-03	3.09E-02
ENSG0000175175	PPM1E	17	58755854	58955179	229325	protein coding	-1.26	3.46E-03	2.17E-02
ENSG0000130711	PRDM12	9	130664594	130682986	18392	protein coding	-1.26	8.23E-03	3.91E-02
ENSG0000287403	AC016245.2	17	80824170	80826900	2730	lncRNA	-1.26	5.33E-03	2.92E-02
ENSG0000107186	MPDZ	9	13105706	13279692	173986	protein coding	-1.26	1.08E-03	9.77E-03
ENSG0000158125	XDH	2	31334321	31414742	80421	protein coding	-1.26	3.12E-03	2.03E-02
ENSG0000148704	VAX1	10	117128521	117138301	9780	protein coding	-1.26	4.49E-03	2.60E-02
ENSG0000260102	LINC01070	13	112197350	112201000	3650	lncRNA	-1.26	5.91E-03	3.13E-02
ENSG0000066056	TIE1	1	43300982	43323108	22126	protein coding	-1.26	4.42E-05	1.12E-03
ENSG0000178928	TPRX1	19	47801243	47819051	17808	protein coding	-1.26	6.79E-03	3.44E-02
ENSG0000136531	SCN2A	2	165194993	165392310	197317	protein coding	-1.26	6.11E-04	6.66E-03
ENSG0000207065	GAS2L2	17	35744511	35753239	8728	protein coding	-1.26	2.68E-03	1.83E-02
ENSG0000259666	LINGO1-AS1	15	77641764	77652292	10528	lncRNA-antisense	-1.26	8.20E-03	3.90E-02
ENSG0000187616	MYMK	9	133514586	133528612	14026	protein coding	-1.26	1.10E-02	4.78E-02
ENSG0000230333	AC004160.1	7	11180902	11520175	339273	lncRNA	-1.26	1.07E-02	4.67E-02
ENSG0000214832	UPF3AP2	17	20375369	20376840	1471	transcribed processed pseudogene	-1.26	1.43E-03	1.19E-02
ENSG0000247151	CSTF3-DT	11	33161657	33191598	29941	lncRNA	-1.26	8.96E-04	8.64E-03
ENSG0000176769	TCERG1L	10	131092391	131311721	219330	protein coding	-1.26	1.70E-03	1.33E-02
ENSG0000251396	LINC01301	8	60289928	60516795	226867	lncRNA	-1.26	9.75E-04	9.15E-03
ENSG0000112038	OPRM1	6	154010496	154246867	236371	protein coding	-1.26	1.26E-04	2.29E-03
ENSG0000214145	LINC00887	3	194296191	194322871	26680	lncRNA	-1.26	1.14E-02	4.89E-02
ENSG0000168679	SLC16A4	1	110362851	110391082	28231	protein coding	-1.26	1.55E-04	2.65E-03
ENSG0000070748	CHAT	10	49609095	49667942	58847	protein coding	-1.26	1.36E-03	1.15E-02
ENSG0000287684	AL392172.1	1	222743356	222773149	29793	lncRNA	-1.26	1.77E-03	1.37E-02
ENSG0000183114	FAM43B	1	20552573	20555020	2447	protein coding	-1.26	3.71E-03	2.28E-02
ENSG0000135373	EHF	11	34621093	34663288	42195	protein coding	-1.26	3.00E-04	4.16E-03
ENSG0000189014	SHLD2P3	10	47689707	47730436	40729	unprocessed pseudogene	-1.26	6.39E-03	3.30E-02
ENSG0000183722	LHFPL6	13	39209116	39603528	394412	protein coding	-1.26	3.48E-04	4.56E-03
ENSG0000124664	SPDEF	6	34537802	34556333	18531	protein coding	-1.26	5.14E-03	2.85E-02
ENSG0000178568	ERBB4	2	211375717	212538841	1163124	protein coding	-1.26	2.23E-03	1.62E-02
ENSG0000198570	RD3	1	211476522	211492162	15640	protein coding	-1.26	2.82E-03	1.89E-02
ENSG0000121905	HPCA	1	32885994	32898441	12447	protein coding	-1.26	8.39E-03	3.96E-02
ENSG0000215529	EFCAB8	20	32858923	32961609	102686	protein coding	-1.26	1.06E-07	1.79E-05
ENSG0000255874	PRECS1T	13	110863987	110870251	6264	lncRNA	-1.26	3.46E-03	2.17E-02
ENSG0000261241	LINC02128	16	50840017	50901063	61046	lncRNA	-1.26	4.17E-03	2.47E-02
ENSG0000152078	TLCD4	1	95117355	95197607	80252	protein coding	-1.26	3.02E-07	3.85E-05
ENSG0000177947	ODF3	11	196761	200261	3500	protein coding	-1.26	1.13E-02	4.86E-02
ENSG0000104313	EYA1	8	71197433	71592025	394592	protein coding	-1.26	3.53E-03	2.20E-02
ENSG0000177807	KCNJ10	1	159998651	160070160	71509	protein coding	-1.26	7.29E-03	3.61E-02
ENSG0000254718	AL157756.1	14	60240121	60248765	8644	lncRNA-antisense	-1.26	4.34E-04	5.29E-03
ENSG0000183856	IQGAP3	1	156525405	156572604	47199	protein coding	-1.26	6.30E-03	3.27E-02
ENSG0000249173	LINC01093	4	184892858	184899553	6695	lncRNA	-1.27	1.68E-03	1.32E-02
ENSG0000101463	SYNDIG1	20	24469629	24666616	196987	protein coding	-1.27	7.24E-03	3.59E-02
ENSG0000095713	CRTAC1	10	97865000	98030828	165828	protein coding	-1.27	3.91E-03	2.36E-02
ENSG0000185267	CDNF	10	14819245	14838575	19330	protein coding	-1.27	3.05E-04	4.21E-03
ENSG0000287437	AL161662.1	14	90291516	90294942	3426	lncRNA	-1.27	4.64E-03	2.66E-02
ENSG0000050555	LAMC3	9	131009174	131094473	85299	protein coding	-1.27	1.78E-04	2.93E-03
ENSG0000137142	IGFBP1L	9	38406528	38424454	17926	protein coding	-1.27	5.21E-03	2.87E-02
ENSG0000182329	KIAA2012	2	202073255	202205188	131933	protein coding	-1.27	3.55E-03	2.22E-02
ENSG0000122756	CNTFR	9	34551432	34590140	38708	protein coding	-1.27	1.12E-02	4.82E-02
ENSG0000157111	TMEM171	5	73120569	73131809	11240	protein coding	-1.27	4.06E-03	2.42E-02
ENSG0000135063	FAM189A2	9	69324567	69329558	67991	protein coding	-1.27	1.02E-03	9.40E-03
ENSG0000230626	AC011005.1	7	129126518	129130793	4275	protein coding	-1.27	1.38E-03	1.15E-02
ENSG0000072133	RPS6KA6	X	84058346	84188199	129853	protein coding	-1.27	2.34E-03	1.67E-02
ENSG0000287950	AC009432.2	15	94455469	94550572	95103	lncRNA	-1.27	8.99E-03	4.14E-02
ENSG0000277481	PKD1L3	16	71929538	71999978	70440	protein coding	-1.27	3.44E-04	4.53E-03
ENSG0000112494	UNC93A	6	167271169	167316014	44845	protein coding	-1.27	7.86E-03	3.79E-02
ENSG0000113430	IRX4	5	1877413	1887236	9823	protein coding	-1.27	1.69E-03	1.33E-02
ENSG0000225637	AP001046.1	21	43363332	43366566	3234	lncRNA	-1.27	8.80E-03	4.09E-02
ENSG0000258913	LINC02691	14	104223584	104288069	64485	lncRNA	-1.27	7.22E-03	3.59E-02
ENSG0000050767	COL23A1	5	178237618	178590393	352775	protein coding	-1.27	9.92E-04	9.28E-03
ENSG0000203727	SAMD5	6	147508690	147737547	228857	protein coding	-1.27	6.55E-03	3.36E-02
ENSG0000088280	ASAP3	1	23428563	23484568	56005	protein coding	-1.27	4.44E-05	1.12E-03
ENSG0000130234	ACE2	X	15494566	15607236	112670	protein coding	-1.27	1.82E-03	1.40E-02
ENSG0000009765	IYD	6	150368892	150405969	37077	protein coding	-1.27	5.00E-04	5.82E-03
ENSG0000140600	SH3GL3	15	83447228	83618743	171515	protein coding	-1.27	8.91E-03	4.12E-02
ENSG00000006116	CACNG3	16	24256335	24362412	106077	protein coding	-1.27	7.95E-03	3.82E-02
ENSG0000259209	AC004943.1	16	72805998	72809872	3874	lncRNA-antisense	-1.27	6.85E-03	3.46E-02
ENSG0000277399	GPR179	17	38324571	38343956	19385	protein coding	-1.27	1.27E-03	1.09E-02
ENSG0000185737	NRG3	10	81875194	82987179	111985	protein coding	-1.27	5.99E-03	3.17E-02
ENSG0000186115	CYP4F2	19	15878023	15898077	20054	protein coding	-1.27	2.07E-03	1.53E-02
ENSG0000164742	ADCY1	7	45574140	45723116	148976	protein coding	-1.27	6.57E-05	1.48E-03
ENSG0000188659	SAXO2	15	82262810	82284930	22120	protein coding	-1.27	4.54E-04	5.46E-03
ENSG0000261043	AC019294.3	15	75759501	75762405	2904	lncRNA	-1.27	1.09E-03	9.82E-03
ENSG0000169083	AR	X	67544021	67730619	186598	protein coding	-1.27	7.30E-04	7.53E-03
ENSG0000259422	AC091100.1	15	76174891	76181486	6595	lncRNA-antisense	-1.27	2.18E-03	1.59E-02
ENSG0000285722	AC207130.1	22	49372924	49377119	4195	lncRNA	-1.27	7.21E-03	3.58E-02
ENSG0000172828	CES3	16	66961245	66975149	13904	protein coding	-1.27	1.11E-03	9.97E-03
ENSG0000116833	NR5A2	1	200027614	200177420	149806	protein coding	-1.27	7.32E-03	3.61E-02
ENSG0000144191	CNGA3	2	98346188	98398601	52413	protein coding	-1.28	6.24E-03	3.25E-02

ENSG00000167771	RCOR2	11	63911230	63917164	5934	protein coding	-1.28	1.11E-03	9.92E-03
ENSG00000134871	COL4A2	13	110305812	110513209	207397	protein coding	-1.28	7.82E-06	3.53E-04
ENSG00000214820	MPRIIP1	3	44579938	44581202	1088	processed pseudogene	-1.28	1.12E-03	1.00E-02
ENSG00000185634	SHC4	15	48823741	48963919	140178	protein coding	-1.28	8.70E-04	8.47E-03
ENSG00000169515	CDC8	19	46410329	46413564	3235	protein coding	-1.28	3.13E-03	2.04E-02
ENSG00000226746	SMCR5	17	17776686	17779529	2843	lncRNA-antisense	-1.28	7.79E-03	3.77E-02
ENSG00000158270	COLEC12	18	316737	500722	183985	protein coding	-1.28	7.84E-05	1.67E-03
ENSG00000139988	RDH12	14	67701886	67734451	32565	protein coding	-1.28	5.58E-03	3.01E-02
ENSG00000185652	NTF3	12	5432108	5521536	89428	protein coding	-1.28	6.00E-03	3.17E-02
ENSG00000167693	NXN	17	799310	979776	180466	protein coding	-1.28	7.33E-07	6.98E-05
ENSG00000124302	CHST8	19	33621953	33773509	151556	protein coding	-1.28	3.18E-04	4.31E-03
ENSG00000169436	COL22A1	8	138588235	138914041	325806	protein coding	-1.28	2.08E-04	3.26E-03
ENSG00000093009	CDC45	22	19479457	19520612	41155	protein coding	-1.28	3.14E-04	4.27E-03
ENSG00000178919	FOXE1	9	97853226	97856717	3491	protein coding	-1.28	1.15E-02	4.91E-02
ENSG00000154316	TDH	8	11339637	11368452	28815	transcribed unitary pseudogene	-1.28	6.06E-03	3.19E-02
ENSG00000091513	TF	3	133746040	133796641	50601	protein coding	-1.28	2.79E-05	8.14E-04
ENSG00000223561	AC005165.1	7	25593304	25751032	157728	lncRNA	-1.28	9.37E-05	1.89E-03
ENSG00000225335	AC016027.1	22	18076527	18078884	2357	lncRNA-antisense	-1.28	2.96E-04	4.12E-03
ENSG00000145248	SLC10A4	4	48483343	48489526	6183	protein coding	-1.28	7.22E-03	3.58E-02
ENSG00000036530	CYP46A1	14	99684298	99727301	43003	protein coding	-1.28	5.68E-05	5.76E-04
ENSG00000146700	SSC4D	7	76389334	76409697	20363	protein coding	-1.28	6.55E-04	6.99E-03
ENSG00000286462	AC092850.2	12	131310045	131312811	2766	lncRNA	-1.28	3.54E-03	2.21E-02
ENSG00000183154	AC138356.1	8	37734761	37737426	2665	lncRNA-antisense	-1.28	1.63E-03	1.30E-02
ENSG00000250133	HOXC-AS2	12	53993810	53996785	2975	lncRNA	-1.28	9.37E-03	4.27E-02
ENSG00000236337	FMR1-IT1	X	147946941	147947583	642	lncRNA-sense intronic	-1.28	1.06E-02	4.66E-02
ENSG00000078328	RBFOX1	16	5238802	7713340	2473538	protein coding	-1.28	2.35E-05	7.29E-04
ENSG00000148702	HABP2	10	113550837	113599602	38765	protein coding	-1.28	5.48E-03	2.98E-02
ENSG00000197496	SLC2A10	20	46709649	46736347	26698	protein coding	-1.28	1.14E-03	1.02E-02
ENSG00000250302	LINC01618	4	52712394	52866821	154427	lncRNA	-1.28	9.57E-03	4.33E-02
ENSG00000171435	KSR2	12	117453012	117968990	515978	protein coding	-1.28	1.13E-04	2.13E-03
ENSG00000257178	AC103702.1	17	48579630	48582259	2629	lncRNA-sense intronic	-1.28	4.53E-03	2.62E-02
ENSG00000183775	KCTD16	5	144170873	144485686	314813	protein coding	-1.28	1.41E-03	1.18E-02
ENSG00000083307	GRHL2	8	101492439	101669726	177287	protein coding	-1.28	7.75E-03	3.75E-02
ENSG00000166444	DENND2B	11	8693351	8910951	217600	protein coding	-1.28	1.43E-05	5.32E-04
ENSG00000239332	LINC01119	2	46816697	46899007	42310	lncRNA	-1.28	8.09E-03	3.86E-02
ENSG00000229089	ANKRD20A8P	2	94791103	94857282	66179	transcribed unprocessed pseudogene	-1.28	8.69E-03	4.05E-02
ENSG00000114455	HHLA2	3	108296490	108378285	81795	protein coding	-1.28	4.34E-03	2.54E-02
ENSG00000134757	DSG3	18	31447741	31478702	30961	protein coding	-1.28	7.69E-03	3.73E-02
ENSG00000286257	AL137100.3	14	56951008	57060715	109707	lncRNA	-1.28	9.05E-03	4.16E-02
ENSG00000145949	MYLK4	6	2663629	2750922	87293	protein coding	-1.28	3.82E-07	4.50E-05
ENSG00000170412	GPRC5C	17	74424851	74451653	28802	protein coding	-1.28	1.30E-04	2.35E-03
ENSG00000196208	GREB1	2	11482341	11642788	160447	protein coding	-1.28	4.24E-04	5.21E-03
ENSG00000205277	MUC12	7	100969623	101018949	49326	protein coding	-1.28	2.48E-04	3.67E-03
ENSG00000256115	LINC02443	12	5226196	5244199	18003	lncRNA	-1.28	8.62E-03	4.03E-02
ENSG00000169181	GSGL1	16	27787528	28063714	276186	protein coding	-1.28	5.94E-04	6.54E-03
ENSG00000234350	AC007405.1	2	170700368	170813670	113302	lncRNA	-1.28	1.53E-03	1.24E-02
ENSG00000187908	DMBT1	10	122560665	122643736	83071	protein coding	-1.28	5.95E-04	6.55E-03
ENSG00000171658	NMRAL2P	3	185959943	185980872	20929	transcribed unprocessed pseudogene	-1.28	5.30E-04	6.05E-03
ENSG00000226476	LINC01748	1	60515716	60640507	124791	lncRNA	-1.28	2.48E-03	1.74E-02
ENSG00000198010	DLGAP2	8	737628	1708476	970848	protein coding	-1.28	1.22E-03	1.06E-02
ENSG00000141314	RHBDL3	17	32265832	32324659	58827	protein coding	-1.29	3.56E-03	2.22E-02
ENSG00000166104	AC126323.1	15	62227896	62253235	25339	transcribed unprocessed pseudogene	-1.29	6.58E-04	7.01E-03
ENSG00000178947	SMIM10L2A	X	135421944	135428075	6131	protein coding	-1.29	4.14E-04	5.14E-03
ENSG00000142661	MYOM3	1	24056035	24112135	56100	protein coding	-1.29	4.79E-03	2.72E-02
ENSG00000151617	EDNRA	4	147480917	147544954	64037	protein coding	-1.29	1.16E-02	4.94E-02
ENSG00000089199	CHGB	20	5911510	5925353	13843	protein coding	-1.29	7.61E-04	7.75E-03
ENSG00000204624	DISP3	1	11479155	11537551	58396	protein coding	-1.29	2.47E-04	3.65E-03
ENSG00000149050	ZNF214	11	6997085	7020364	23261	protein coding	-1.29	1.04E-02	4.60E-02
ENSG00000274253	AC138649.1	15	22757841	22778741	20900	lncRNA-sense overlapping	-1.29	9.07E-04	8.71E-03
ENSG00000120645	IQSEC3	12	66767	178455	111688	protein coding	-1.29	3.70E-06	2.10E-04
ENSG00000162433	AK4	1	65147549	65232145	84596	protein coding	-1.29	3.48E-04	4.56E-03
ENSG00000271119	AC026412.3	5	1594626	1611467	16841	lncRNA	-1.29	2.96E-03	1.96E-02
ENSG00000005001	PRSS22	16	2852730	2858170	5440	protein coding	-1.29	6.08E-04	6.64E-03
ENSG00000145920	CPLX2	5	175796310	175884021	87711	protein coding	-1.29	1.54E-05	5.57E-04
ENSG00000260619	AC068870.1	15	80990804	80993258	2454	lncRNA	-1.29	2.58E-03	1.79E-02
ENSG00000156413	FUT6	19	5830408	5839722	9314	protein coding	-1.29	5.61E-03	3.02E-02
ENSG00000214189	ZNF788P	19	12092263	12137235	44972	transcribed unprocessed pseudogene	-1.29	2.17E-04	3.35E-03
ENSG00000102174	PHOX	X	22032325	22251310	218985	protein coding	-1.29	3.42E-05	9.40E-04
ENSG00000287185	AC041005.1	8	25179113	25184234	5121	lncRNA	-1.29	2.76E-03	1.87E-02
ENSG00000233579	KRT8P15	2	202840331	202841781	1450	processed pseudogene	-1.29	6.30E-03	3.27E-02
ENSG00000162105	SHANK2	11	70467856	71252577	784721	protein coding	-1.29	1.63E-04	2.74E-03
ENSG00000006071	ABCC8	11	17392498	17476879	84381	protein coding	-1.29	1.21E-03	1.05E-02
ENSG00000285454	AC111006.1	4	42151028	42268110	117082	lncRNA	-1.29	1.02E-02	4.53E-02
ENSG00000262454	MIR193BHG	16	14301389	14331067	29678	lncRNA	-1.29	9.92E-04	9.26E-03
ENSG00000266733	TBC1D29P	17	30553502	30563493	9991	transcribed unprocessed pseudogene	-1.29	6.90E-04	7.24E-03
ENSG00000279905	AC063926.3	12	130425004	130430661	5657	TEC	-1.29	6.76E-03	3.43E-02
ENSG00000232125	DYTN	2	206651621	206721570	69949	protein coding	-1.29	2.91E-04	4.06E-03
ENSG00000122641	INHBA	7	41667168	41705834	38666	protein coding	-1.29	3.18E-04	4.31E-03
ENSG00000249267	LINC00939	12	125958688	125983665	24977	lncRNA	-1.29	4.97E-03	2.79E-02
ENSG00000242759	LINC00882	3	106449775	107240671	790896	lncRNA	-1.29	6.68E-04	7.07E-03
ENSG00000241743	XACT	X	113616300	114059289	442989	lncRNA	-1.29	2.53E-07	3.39E-05
ENSG00000183287	CCBE1	18	59430939	59697662	266723	protein coding	-1.29	5.57E-03	3.01E-02
ENSG00000112164	GLP1R	6	39048781	39091303	42522	protein coding	-1.29	1.13E-03	1.00E-02
ENSG00000143171	RXRG	1	165400922	165445355	44433	protein coding	-1.29	4.60E-03	2.64E-02
ENSG00000148948	LRRC4C	11	40114203	41459773	1345570	protein coding	-1.29	3.50E-03	2.19E-02
ENSG00000108001	EBF3	10	129835233	129973053	137820	protein coding	-1.29	7.39E-04	7.58E-03
ENSG00000176920	FUT2	19	48695971	48705951	9980	protein coding	-1.29	7.38E-03	3.64E-02
ENSG00000204128	C2orf72	2	231037523	231049719	12196	protein coding	-1.29	8.42E-03	3.97E-02
ENSG00000042781	USH2A	1	215622891	216423448	800557	protein coding	-1.29	5.69E-05	1.34E-03
ENSG00000183242	WT1-AS	11	32435518	32458769	23251	lncRNA-bidirectional promoter lncRNA	-1.29	8.36E-04	8.27E-03

ENSG0000104804	TULP2	19	48880967	48898744	17777	protein coding	-1.29	5.61E-03	3.02E-02
ENSG0000224209	LINC00466	1	63159083	63317274	158191	lncRNA	-1.29	4.69E-04	5.57E-03
ENSG0000171502	COL24A1	1	85729233	86156943	427710	protein coding	-1.29	7.27E-05	1.59E-03
ENSG0000161270	NPHS1	19	35825372	35869287	43915	protein coding	-1.29	2.88E-03	1.92E-02
ENSG0000286551	AL355836.2	14	101133730	101151988	18258	lncRNA	-1.29	7.51E-03	3.68E-02
ENSG0000206187	LINC02346	15	25902119	26053123	151004	lncRNA	-1.29	5.87E-04	6.49E-03
ENSG0000228061	AC131571.1	11	31618124	31767953	149829	lncRNA-antisense	-1.29	5.11E-03	2.84E-02
ENSG0000280081	LINC01667	21	9781910	9838011	56101	transcribed processed pseudogene	-1.29	2.58E-03	1.79E-02
ENSG0000189275	LINC01164	10	131772398	131790199	17801	lncRNA	-1.29	7.59E-03	3.70E-02
ENSG0000262619	LINC00621	13	22859050	22916369	57319	lncRNA	-1.29	8.62E-03	4.03E-02
ENSG0000138759	FRAS1	4	78057323	78544269	486946	protein coding	-1.30	1.87E-04	3.03E-03
ENSG0000267123	SCAT1	17	78605233	78632155	26922	lncRNA	-1.30	3.47E-04	4.56E-03
ENSG0000138136	LBX1	10	101226195	101229794	3599	protein coding	-1.30	2.01E-03	1.50E-02
ENSG0000218358	RAET1K	6	149998019	150005157	7138	transcribed unprocessed pseudogene	-1.30	8.81E-03	4.09E-02
ENSG0000177238	TRIM72	16	31214091	31231537	17446	protein coding	-1.30	1.67E-03	1.32E-02
ENSG0000215895	HSPA5P1	1	38708931	38710890	1959	processed pseudogene	-1.30	8.07E-03	3.86E-02
ENSG0000230294	LINC02370	12	131347470	131367555	20085	lncRNA	-1.30	9.69E-03	4.37E-02
ENSG0000101680	LAMA1	18	6941742	7117797	176055	protein coding	-1.30	3.65E-04	4.71E-03
ENSG0000103742	IGDCC4	15	65381484	65422947	41463	protein coding	-1.30	2.63E-05	7.82E-04
ENSG0000117501	MROH9	1	170935471	171064765	129294	protein coding	-1.30	7.18E-03	3.57E-02
ENSG0000163749	CCDC158	4	76312997	76421868	108871	protein coding	-1.30	3.26E-03	2.09E-02
ENSG0000171004	HS6ST2	X	132626016	132961395	335379	protein coding	-1.30	7.13E-03	3.56E-02
ENSG0000096088	PGC	6	41736711	41754109	17398	protein coding	-1.30	6.83E-03	3.45E-02
ENSG0000204529	GUCY2EP	11	76694041	76719801	25760	transcribed unprocessed pseudogene	-1.30	2.69E-03	1.83E-02
ENSG0000260876	LINC01229	16	79676048	79809716	133668	lncRNA	-1.30	2.02E-04	3.20E-03
ENSG0000149054	ZNF215	11	6926404	7001004	74600	protein coding	-1.30	6.60E-04	7.02E-03
ENSG0000140937	CDH11	16	64943753	65126112	182359	protein coding	-1.30	2.64E-04	3.83E-03
ENSG0000137648	TMPRSS4	11	118077012	118121890	44878	protein coding	-1.30	3.80E-03	2.31E-02
ENSG0000004846	ABCBS5	7	20615207	20777038	161831	protein coding	-1.30	9.54E-04	9.02E-03
ENSG0000251568	ALG3P1	5	5375723	5376836	1113	processed pseudogene	-1.30	3.03E-03	1.99E-02
ENSG0000161647	MPP3	17	43800799	43833170	32371	protein coding	-1.30	2.63E-05	7.83E-04
ENSG0000281692	PACRG-AS1	6	163306907	163324530	17623	lncRNA-antisense	-1.30	4.47E-03	2.60E-02
ENSG0000226937	CEP164P1	10	45002222	45076066	73844	transcribed processed pseudogene	-1.30	4.31E-03	2.53E-02
ENSG0000114019	AMOTL2	3	134355347	134375479	20132	protein coding	-1.30	1.37E-03	1.15E-02
ENSG0000003137	CYP26B1	2	72129238	72148038	18800	protein coding	-1.30	1.06E-03	9.69E-03
ENSG0000197380	DACT3	19	46647551	46661182	13631	protein coding	-1.30	1.07E-03	9.73E-03
ENSG0000152092	ASTN1	1	176857302	177164973	307671	protein coding	-1.30	7.61E-04	7.75E-03
ENSG0000165164	CFAP47	X	35919734	36385317	465583	protein coding	-1.30	1.99E-03	1.49E-02
ENSG0000146477	SLC22A3	6	160348378	160452577	104199	protein coding	-1.30	3.13E-03	2.03E-02
ENSG0000286262	BX322557.2	21	45299929	45302964	3035	lncRNA	-1.30	8.06E-03	3.85E-02
ENSG0000214946	TBC1D26	17	15732247	15749192	16945	protein coding	-1.30	4.18E-03	2.47E-02
ENSG0000215571	GRK6P1	13	21319156	21320866	1710	processed pseudogene	-1.30	1.12E-03	9.98E-03
ENSG0000167306	MYO5B	18	49822789	50195147	372358	protein coding	-1.30	9.90E-06	4.12E-04
ENSG0000287335	AL139351.3	20	48025245	48060271	35026	lncRNA	-1.30	3.63E-03	2.25E-02
ENSG0000198844	ARHGEF15	17	8310241	8322514	12273	protein coding	-1.30	1.40E-03	1.17E-02
ENSG0000255267	LINC02687	11	45371397	45388511	17114	lncRNA	-1.30	7.00E-03	3.51E-02
ENSG0000280425	AL35776.2	1	54137746	54142980	5234	lncRNA-antisense	-1.30	7.97E-03	3.82E-02
ENSG0000055957	ITIH1	3	52777595	52792068	14473	protein coding	-1.30	2.29E-03	1.64E-02
ENSG0000230387	AL118508.1	20	23179272	23190419	11147	lncRNA	-1.30	3.59E-03	2.23E-02
ENSG0000234156	AL359636.2	9	122403407	122639685	236278	lncRNA-antisense	-1.30	5.86E-04	6.48E-03
ENSG0000152953	STK32B	4	5051480	5000994	449514	protein coding	-1.30	5.47E-05	1.30E-03
ENSG0000148848	ADAM12	10	126012381	126388455	376074	protein coding	-1.30	6.81E-10	5.33E-07
ENSG0000095777	MYO3A	10	25934229	26212532	278303	protein coding	-1.30	1.90E-04	3.06E-03
ENSG0000141161	UNC45B	17	35147817	35189345	41528	protein coding	-1.30	6.03E-05	1.39E-03
ENSG0000281958	TRBJ1-4	7	142788225	142788275	50	TR J gene	-1.30	4.35E-03	2.54E-02
ENSG0000087495	PHACTR3	20	59577509	59847711	270202	protein coding	-1.30	4.96E-04	5.78E-03
ENSG0000196550	FAM72A	1	206186179	206204414	18235	protein coding	-1.30	2.77E-03	1.77E-02
ENSG0000237361	TUSC8	13	44400250	44405984	5734	lncRNA	-1.30	9.16E-03	4.20E-02
ENSG0000164684	ZNF704	8	80628451	80874781	246330	protein coding	-1.30	2.09E-04	3.26E-03
ENSG0000139219	COL2A1	12	47972967	48004554	31587	protein coding	-1.30	2.75E-03	1.86E-02
ENSG0000234080	AL596275.1	1	50326131	50327007	876	processed pseudogene	-1.30	6.73E-03	3.42E-02
ENSG0000232445	EMSLR1	7	101308270	101314800	6530	lncRNA-antisense	-1.30	1.17E-03	1.03E-02
ENSG0000154262	ABCA6	17	69078702	69141895	63193	protein coding	-1.31	2.01E-05	6.56E-04
ENSG0000196639	HRH1	3	11137093	11263557	126464	protein coding	-1.31	3.81E-03	2.32E-02
ENSG0000249738	AC008691.1	5	159310745	159805536	494791	lncRNA-antisense	-1.31	9.24E-06	3.96E-04
ENSG0000159495	TGM7	15	43276271	43302255	25984	protein coding	-1.31	2.96E-03	1.96E-02
ENSG0000185585	OLFML2A	9	124777133	124814885	37752	protein coding	-1.31	9.66E-05	1.94E-03
ENSG0000228791	THRB-AS1	3	24494087	24681711	187624	lncRNA	-1.31	6.18E-04	6.71E-03
ENSG0000185040	SPDYE16	7	76531319	76541459	10140	protein coding	-1.31	9.44E-03	4.29E-02
ENSG0000134398	ERN2	16	23690310	23713226	22916	protein coding	-1.31	2.01E-03	1.50E-02
ENSG0000119973	PRLHR	10	118589997	118595648	5651	protein coding	-1.31	1.53E-03	1.24E-02
ENSG0000276128	AL591441.1	9	42974855	43045120	70265	transcribed processed pseudogene	-1.31	8.92E-03	4.12E-02
ENSG0000260287	TBC1D3G	17	36323884	36334759	10875	protein coding	-1.31	5.12E-04	5.91E-03
ENSG0000168263	KCNV2	9	2717510	2730037	12527	protein coding	-1.31	4.63E-03	2.66E-02
ENSG0000255145	STX17-AS1	9	99397024	99906605	509581	lncRNA-antisense	-1.31	5.62E-03	3.03E-02
ENSG0000101825	MXRA5	X	3308565	3346562	38087	protein coding	-1.31	7.46E-03	3.66E-02
ENSG0000234494	SP2-AS1	17	47897330	47941410	44080	lncRNA-antisense	-1.31	1.58E-03	1.27E-02
ENSG0000185739	SRL	16	4189374	4242080	52706	protein coding	-1.31	3.11E-03	2.03E-02
ENSG0000231793	DOC2GP	11	67612651	67616257	3606	transcribed unitary pseudogene	-1.31	9.49E-06	4.03E-04
ENSG0000226757	PP12613	4	121764585	121768814	2229	lncRNA-antisense	-1.31	1.05E-02	4.63E-02
ENSG0000160323	ADAMTS13	9	133414358	133459402	45044	protein coding	-1.31	1.14E-05	4.53E-04
ENSG0000272701	MESTIT1	7	130486042	130491033	4991	lncRNA-antisense	-1.31	1.10E-02	4.78E-02
ENSG0000197099	AC068631.1	3	186579476	186772986	193510	lncRNA-antisense	-1.31	4.33E-07	4.82E-05
ENSG0000171533	MAP6	11	75586918	75669120	82202	protein coding	-1.31	2.73E-04	3.91E-03
ENSG0000224863	LINC01398	1	46446600	46451317	4717	lncRNA	-1.31	8.81E-03	4.03E-02
ENSG0000224809	LINC01095	4	146077717	146121913	44196	lncRNA	-1.31	6.39E-03	3.30E-02
ENSG0000144045	DQX1	2	74518131	74526281	8150	protein coding	-1.31	4.90E-03	2.77E-02
ENSG0000236303	LINC02646	10	130213488	130483193	269705	lncRNA	-1.31	5.67E-03	3.05E-02
ENSG0000162594	IL23R	1	67138907	67259979	121072	protein coding	-1.31	6.72E-04	7.10E-03
ENSG0000262833	AC016245.1	17	80801640	80805632	3992	lncRNA-antisense	-1.31	3.21E-03	2.07E-02

ENSG00000137090	DMRT1	9	841690	969090	127400	protein coding	-1.31	2.64E-03	1.81E-02
ENSG00000174680	GRIK1-AS1	21	29748175	29764002	15827	lncRNA-antisense	-1.31	4.40E-03	2.57E-02
ENSG00000180287	PLD5	1	242082986	242524697	441711	protein coding	-1.31	6.84E-04	7.04E-03
ENSG00000259541	AP001150.1	11	120249759	120265932	16173	lncRNA-antisense	-1.31	8.67E-03	4.05E-02
ENSG00000132874	SLC14A2	18	45212995	45683688	470693	protein coding	-1.31	2.09E-04	3.26E-03
ENSG00000180251	SLC9A4	2	102473226	102533972	60746	protein coding	-1.31	3.27E-03	2.09E-02
ENSG00000123243	ITI5	10	7559270	7666998	107728	protein coding	-1.31	3.62E-03	2.24E-02
ENSG00000124140	SLC12A5	20	46021690	46060150	38460	protein coding	-1.31	5.20E-05	1.25E-03
ENSG00000214198	TTC41P	12	103843749	103930211	86462	transcribed unitary pseudogene	-1.31	3.96E-05	1.04E-03
ENSG00000158955	WNT9B	17	46833201	46886730	53529	protein coding	-1.31	2.65E-03	1.82E-02
ENSG00000115414	FN1	2	215360440	215436073	75633	protein coding	-1.31	4.27E-05	1.09E-03
ENSG00000130829	DUSP9	X	153642492	153651326	8834	protein coding	-1.31	8.40E-03	3.96E-02
ENSG00000128683	GAD1	2	170813213	170861151	47938	protein coding	-1.31	3.42E-04	4.52E-03
ENSG00000176406	RIMS2	8	103500696	104256094	755398	protein coding	-1.31	3.54E-04	4.61E-03
ENSG00000144908	ALDH1L1	3	126103562	126197994	94432	protein coding	-1.31	2.81E-04	3.98E-03
ENSG00000166250	CLMP	11	123069872	123195248	125376	protein coding	-1.32	9.96E-04	9.28E-03
ENSG00000110881	ASIC1	12	50057548	50083611	28063	protein coding	-1.32	1.46E-05	5.40E-04
ENSG00000232117	LINC00384	13	30151886	30159621	7735	lncRNA	-1.32	8.77E-04	8.51E-03
ENSG00000079393	DUSP13	10	75094432	75109221	14789	protein coding	-1.32	1.90E-03	1.45E-02
ENSG00000038295	TLL1	4	165873237	166104457	231220	protein coding	-1.32	3.20E-03	2.07E-02
ENSG00000158815	FGF17	8	22042398	22048809	6411	protein coding	-1.32	3.36E-03	2.13E-02
ENSG00000151338	MIPOL1	14	37197913	37552361	354448	protein coding	-1.32	1.01E-04	1.99E-03
ENSG00000163239	TDRD10	1	154502219	154548147	45928	protein coding	-1.32	6.95E-03	3.49E-02
ENSG00000177788	AL162595.1	1	229256892	229271242	14350	lncRNA-bidirectional promoter lncRNA	-1.32	1.04E-04	2.03E-03
ENSG00000121068	TBX2	17	61399843	61409466	9623	protein coding	-1.32	6.50E-04	6.96E-03
ENSG00000247213	LINC01498	12	108434130	108515023	80893	lncRNA-antisense	-1.32	7.93E-03	3.81E-02
ENSG00000242017	ALG1L15P	3	156044155	156044948	793	processed pseudogene	-1.32	3.58E-03	2.23E-02
ENSG00000132938	MTUS2	13	28820348	29505947	685599	protein coding	-1.32	1.10E-04	2.09E-03
ENSG00000165323	FAT3	11	92352096	92896470	544374	protein coding	-1.32	1.92E-04	3.07E-03
ENSG00000284745	AL589702.1	1	2960658	2968707	8049	lncRNA	-1.32	4.54E-03	2.62E-02
ENSG00000180638	SLC47A2	17	19678288	19718979	40691	protein coding	-1.32	1.02E-04	2.00E-03
ENSG00000204179	PTPN20	10	46911396	47002488	91092	protein coding	-1.32	7.49E-03	3.67E-02
ENSG00000147117	ZNF157	X	47370578	47414498	43920	protein coding	-1.32	4.76E-03	2.71E-02
ENSG00000239572	AC108749.1	3	87641412	87793629	152217	lncRNA	-1.32	2.94E-03	1.95E-02
ENSG00000154040	CABYR	18	24138987	24161600	22613	protein coding	-1.32	5.30E-04	6.05E-03
ENSG00000129474	AJUBA	14	22971177	22982551	11374	protein coding	-1.32	4.03E-05	1.05E-03
ENSG00000227695	DNMBP-AS1	10	99927010	99959050	32040	lncRNA-antisense	-1.32	1.79E-03	1.39E-02
ENSG00000084674	APOB	2	21001429	21044073	42644	protein coding	-1.32	3.40E-04	4.50E-03
ENSG00000214128	TMEM213	7	138797952	138838101	40149	protein coding	-1.32	1.86E-03	1.42E-02
ENSG00000140955	ADAD2	16	84191138	84197168	6030	protein coding	-1.32	8.84E-04	8.43E-03
ENSG00000124391	IL17C	16	88638572	88640468	1896	protein coding	-1.32	1.07E-02	4.67E-02
ENSG00000259362	AC046168.1	15	77525540	77534110	8570	lncRNA	-1.32	6.43E-03	3.32E-02
ENSG00000150556	LYPD6B	2	149038107	149215622	177155	protein coding	-1.32	2.62E-04	3.80E-03
ENSG00000225689	AL008633.1	X	128027322	129326707	1299385	lncRNA	-1.32	9.13E-03	4.19E-02
ENSG00000001626	CFTR	7	117287120	117715971	428851	protein coding	-1.32	3.76E-04	4.81E-03
ENSG00000223756	TSSC2	11	3380961	3408978	28017	transcribed unprocessed pseudogene	-1.32	2.07E-03	1.53E-02
ENSG00000103449	SALL1	16	51135975	51151367	15392	protein coding	-1.32	2.14E-03	1.57E-02
ENSG00000100626	GALNT16	14	69259277	69357033	97756	protein coding	-1.32	5.60E-04	6.28E-03
ENSG00000267260	AC020928.1	19	36773112	36777078	3966	lncRNA	-1.32	1.03E-03	9.50E-03
ENSG00000162692	VCAM1	1	100719742	100739045	19303	protein coding	-1.32	3.47E-03	2.18E-02
ENSG00000245522	LINC02709	11	9754770	9759533	4763	lncRNA	-1.32	1.05E-02	4.64E-02
ENSG00000246877	DNM1P35	15	75727670	75738623	10953	lncRNA-antisense	-1.32	3.71E-03	2.28E-02
ENSG00000138944	SHSAL1	22	44243665	44312951	69286	protein coding	-1.32	1.63E-03	1.30E-02
ENSG00000198046	ZNF667	19	56439325	56478065	38740	protein coding	-1.32	1.28E-06	1.01E-04
ENSG00000160882	CYP11B1	8	142872356	142879846	7490	protein coding	-1.32	2.26E-04	3.45E-03
ENSG00000112414	ADGRG6	6	142301854	142446266	144412	protein coding	-1.32	5.20E-04	5.97E-03
ENSG00000101638	ST8SIA5	18	46667821	46759257	91436	protein coding	-1.32	7.78E-05	1.66E-03
ENSG00000227733	AC239809.3	1	148159213	148255012	95799	lncRNA	-1.32	2.80E-04	3.98E-03
ENSG00000123407	HOXC12	12	53954903	53958956	4053	protein coding	-1.32	9.71E-03	4.38E-02
ENSG00000271171	LINC00904	19	34891605	34905139	13534	lncRNA	-1.32	9.18E-03	4.21E-02
ENSG00000279725	AL391005.1	10	127734562	127736996	2434	TEC	-1.32	8.27E-03	3.92E-02
ENSG00000118729	CASQ2	1	115700021	115768714	68693	protein coding	-1.32	1.06E-02	4.65E-02
ENSG00000135480	KRT7	12	52232520	52252186	19666	protein coding	-1.32	2.95E-04	4.11E-03
ENSG00000234929	AC018685.2	2	2638178	2696285	58107	lncRNA	-1.32	5.89E-03	3.13E-02
ENSG00000163286	ALPG	2	232406844	232410714	3870	protein coding	-1.32	5.40E-04	6.13E-03
ENSG00000231028	LINC00271	6	135497422	135813990	316568	lncRNA	-1.32	1.27E-05	4.93E-04
ENSG00000248222	SLIT3-AS1	5	169013227	169037998	24771	lncRNA-antisense	-1.32	8.77E-03	4.08E-02
ENSG00000233221	AC133785.1	2	130830978	130836994	6016	lncRNA-antisense	-1.32	3.92E-03	2.36E-02
ENSG00000281344	HELLPAR	12	102197585	102402596	205011	lncRNA-macro lncRNA	-1.32	4.00E-08	9.47E-06
ENSG00000261649	GOLGA6L7	15	28841833	28848675	6842	protein coding	-1.32	5.99E-03	3.17E-02
ENSG00000149451	ADAM33	20	3667965	3682246	14281	protein coding	-1.32	9.06E-05	1.84E-03
ENSG00000106078	COBL	7	51016212	51316818	300606	protein coding	-1.32	2.39E-04	3.59E-03
ENSG00000185483	ROR1	1	63774017	64181498	407481	protein coding	-1.32	3.27E-04	4.39E-03
ENSG00000251138	LINC02882	12	73820315	74402600	582285	lncRNA	-1.32	9.65E-04	9.09E-03
ENSG00000233746	LINC00656	20	23125068	23132635	7567	lncRNA	-1.33	5.52E-04	6.22E-03
ENSG00000399877	BEST2	19	12751702	12758458	6756	protein coding	-1.33	8.20E-03	3.90E-02
ENSG00000235749	AL390860.1	1	247639630	247761255	121625	lncRNA-antisense	-1.33	8.27E-03	3.92E-02
ENSG00000215568	GAB4	22	16961936	17008222	46286	protein coding	-1.33	2.75E-04	3.92E-03
ENSG00000182752	PAPPA	9	116153791	116402321	248530	protein coding	-1.33	7.93E-05	1.69E-03
ENSG00000264964	AP001033.1	18	9310522	9334445	23923	lncRNA	-1.33	3.20E-03	2.06E-02
ENSG00000077942	FBLN1	22	45502238	45601135	98897	protein coding	-1.33	9.53E-05	1.92E-03
ENSG00000135472	FAM2	12	49866896	49904217	37321	protein coding	-1.33	1.20E-04	2.23E-03
ENSG00000251381	LINC00958	11	12961541	12989597	28056	lncRNA	-1.33	2.82E-03	1.90E-02
ENSG00000177350	RPL13AP3	14	55766177	55767717	1540	transcribed processed pseudogene	-1.33	2.83E-03	1.90E-02
ENSG00000134376	CRB1	1	197268204	197478455	210251	protein coding	-1.33	1.86E-04	3.02E-03
ENSG00000165349	SLCTA3	X	70925579	70931125	5546	protein coding	-1.33	5.54E-03	3.00E-02
ENSG00000101276	SLC52A3	20	760080	776015	15935	protein coding	-1.33	2.49E-03	1.74E-02
ENSG00000145794	MEGF10	5	127290796	127465377	174941	protein coding	-1.33	7.31E-04	7.53E-03
ENSG00000232057	AC093390.1	2	1824412	1828667	4255	lncRNA-antisense	-1.33	6.26E-03	3.26E-02
ENSG00000174233	ADCY6	12	48766194	48789037	22843	protein coding	-1.33	2.87E-04	4.03E-03

ENSG00000229272	AL157388.1	10	118784563	119029544	244981	lncRNA-antisense	-1.33	8.05E-03	3.85E-02
ENSG00000164007	CLDN19	1	42733093	42740254	7161	protein coding	-1.33	4.08E-03	2.43E-02
ENSG00000162374	ELAVL4	1	50024029	50203772	179743	protein coding	-1.33	2.69E-04	3.87E-03
ENSG00000235351	AC114730.3	2	241724615	241725693	1078	lncRNA-antisense	-1.33	1.07E-02	4.69E-02
ENSG00000223947	AC016738.1	2	100993676	101002244	8568	lncRNA-antisense	-1.33	1.16E-02	4.94E-02
ENSG00000213023	SYT3	19	50621307	50639881	18574	protein coding	-1.33	1.07E-02	4.67E-02
ENSG00000137878	GCOM1	15	57591908	57714745	122837	protein coding	-1.33	2.17E-05	6.90E-04
ENSG00000166069	TMCO5A	15	37921939	37967724	45785	protein coding	-1.33	1.16E-02	4.95E-02
ENSG00000148735	PLEKHS1	10	113751262	113783429	32167	protein coding	-1.33	5.11E-03	2.84E-02
ENSG00000166111	SVOP	12	108907741	109021068	113327	protein coding	-1.33	3.16E-04	4.29E-03
ENSG00000253955	AC008663.2	5	173578275	173585068	6793	lncRNA-antisense	-1.33	4.92E-03	2.77E-02
ENSG00000112619	PRPH2	6	42696598	42722597	25999	protein coding	-1.33	9.97E-03	4.46E-02
ENSG00000276545	PCDHGB9P	5	141439853	141442449	2596	unprocessed pseudogene	-1.33	3.33E-03	2.12E-02
ENSG00000154556	SORBS2	4	185585444	185956652	371208	protein coding	-1.33	3.27E-05	9.05E-04
ENSG00000141449	GREB1L	18	21242242	21525417	283175	protein coding	-1.33	1.44E-05	5.36E-04
ENSG00000287454	AC008149.2	12	96229563	96235650	6087	lncRNA	-1.33	5.04E-05	1.23E-03
ENSG00000116183	PAPPA2	1	176463171	176845601	382430	protein coding	-1.33	1.67E-04	2.79E-03
ENSG00000108821	COL1A1	17	50184101	50201632	17531	protein coding	-1.33	2.43E-05	7.46E-04
ENSG00000119698	PPP4R4	14	94146128	94279734	133606	protein coding	-1.33	1.25E-04	2.29E-03
ENSG00000187905	LRRC74B	22	21045960	21064168	18208	protein coding	-1.33	6.18E-04	6.72E-03
ENSG00000264006	AKR1C8P	10	5154140	5185187	31047	protein coding	-1.33	6.29E-03	3.27E-02
ENSG00000092445	TYRO3	15	41557675	41583589	25914	protein coding	-1.33	3.25E-04	4.37E-03
ENSG00000238290	AL034417.2	1	8026738	8122702	95964	lncRNA	-1.33	8.01E-03	3.84E-02
ENSG00000101144	BMP7	20	57168753	57266641	97888	protein coding	-1.33	4.00E-04	5.04E-03
ENSG00000184949	FAM227A	22	38578120	38656629	78509	protein coding	-1.33	2.15E-03	1.58E-02
ENSG00000233718	MYCNOS	2	15918350	15942249	23899	lncRNA-antisense	-1.33	4.38E-03	2.56E-02
ENSG00000224025	AL353616.1	9	68609125	68611984	2859	processed pseudogene	-1.33	4.30E-03	2.53E-02
ENSG00000101955	SRPX	X	38149336	38220924	71588	protein coding	-1.33	3.95E-03	2.37E-02
ENSG00000256193	LINC00507	12	127914707	127960028	45321	lncRNA	-1.33	1.03E-02	4.58E-02
ENSG00000250992	AC139491.3	5	176036593	176042888	6295	lncRNA-antisense	-1.33	4.52E-03	2.61E-02
ENSG00000092345	DAZL	3	16586792	16670306	83514	protein coding	-1.33	2.82E-03	1.89E-02
ENSG00000152430	BOLL	2	197726879	197786762	59883	protein coding	-1.33	6.68E-03	3.41E-02
ENSG00000237807	AC022034.1	8	53493523	53524336	30813	lncRNA	-1.33	2.52E-03	1.75E-02
ENSG00000168658	VWA3B	2	98087116	98313299	226183	protein coding	-1.33	8.43E-05	1.75E-03
ENSG00000303034	MUSK	9	110668779	110806558	137779	protein coding	-1.33	2.14E-03	1.57E-02
ENSG00000131126	TEX101	19	43401496	43418597	17101	protein coding	-1.33	6.50E-03	3.34E-02
ENSG00000189292	ALKAL2	2	279558	288851	9293	protein coding	-1.33	6.57E-03	3.37E-02
ENSG00000263400	TMEM220-AS1	17	10729777	10815164	85387	lncRNA-antisense	-1.33	4.92E-06	2.55E-04
ENSG00000260918	AC107398.3	4	47431960	47438959	6999	lncRNA-sense overlapping	-1.33	1.71E-03	1.34E-02
ENSG00000104059	FAM189A1	15	29120254	29570723	450469	protein coding	-1.33	2.07E-04	3.24E-03
ENSG00000120549	KIAA1217	10	23694746	24547848	853102	protein coding	-1.33	1.19E-04	2.21E-03
ENSG00000136848	DAB2IP	9	121567057	121785530	218473	protein coding	-1.33	8.44E-05	1.75E-03
ENSG00000260386	LDC1P	1	31500085	31509648	9563	transcribed unitary pseudogene	-1.33	1.87E-03	1.43E-02
ENSG00000150551	LYPD1	2	132643286	132671579	28293	protein coding	-1.34	9.39E-03	4.27E-02
ENSG00000069018	TRPC7	5	136212745	136365545	152800	protein coding	-1.34	2.38E-03	1.69E-02
ENSG00000110427	KJAA1549L	11	33376108	33674102	297994	protein coding	-1.34	1.19E-04	2.21E-03
ENSG00000161180	CCDC116	22	21632716	21637329	4613	protein coding	-1.34	5.83E-03	3.10E-02
ENSG00000205231	TLL10-AS1	1	1173056	1179555	6499	lncRNA-antisense	-1.34	3.41E-03	2.16E-02
ENSG00000105664	COMP	19	18782773	18791305	8532	protein coding	-1.34	2.73E-04	3.90E-03
ENSG00000117245	KIF17	1	20664014	20718017	54003	protein coding	-1.34	5.54E-04	6.24E-03
ENSG00000270533	CR382285.1	21	9975017	10119309	144292	transcribed processed pseudogene	-1.34	4.97E-03	2.79E-02
ENSG00000131080	EDA2R	X	66595637	66639298	43661	protein coding	-1.34	3.93E-03	2.37E-02
ENSG00000225683	PACRG-AS3	6	163163830	163192038	28208	lncRNA-antisense	-1.34	1.78E-03	1.38E-02
ENSG00000180422	LINC00304	16	89159146	89164245	5099	lncRNA	-1.34	7.27E-04	7.52E-03
ENSG00000146147	MLIP	6	53929982	54266280	336298	protein coding	-1.34	3.21E-03	2.07E-02
ENSG00000238063	LINC01685	1	38474825	38516520	41695	lncRNA	-1.34	1.73E-04	2.87E-03
ENSG00000248713	C4orf54	4	99636529	99654648	18119	protein coding	-1.34	3.97E-04	5.01E-03
ENSG00000138315	OIT3	10	72893584	72933036	39452	protein coding	-1.34	2.62E-03	1.80E-02
ENSG00000253686	LINC01484	5	173707614	173746279	38665	lncRNA	-1.34	1.50E-03	1.23E-02
ENSG00000125319	HROB	17	44141906	44162476	20570	protein coding	-1.34	8.69E-04	8.46E-03
ENSG00000116285	ERRF1	1	8004404	8026309	21905	protein coding	-1.34	7.97E-06	3.57E-04
ENSG00000237126	AC073254.1	2	232580948	232611971	31023	lncRNA-antisense	-1.34	1.34E-03	1.13E-02
ENSG00000132972	RNF17	13	24764169	24879921	115752	protein coding	-1.34	8.07E-03	3.86E-02
ENSG00000139287	TPH2	12	71938845	72186618	247773	protein coding	-1.34	1.86E-03	1.42E-02
ENSG00000163362	INAVA	1	200891048	200915742	24694	protein coding	-1.34	1.54E-03	1.25E-02
ENSG00000140534	TICRR	15	89575469	89631056	55587	protein coding	-1.34	3.61E-04	4.68E-03
ENSG00000203729	LINC00272	1	182407621	182414815	7194	lncRNA	-1.34	8.83E-03	4.10E-02
ENSG00000112562	SMOC2	6	168441151	168673445	232294	protein coding	-1.34	6.02E-04	6.60E-03
ENSG00000171016	PYGO1	15	55538884	55588947	50063	protein coding	-1.34	3.87E-03	2.34E-02
ENSG00000219438	TAF5	22	48489553	48850912	361359	protein coding	-1.34	1.14E-03	1.02E-02
ENSG00000164089	ETNPPL	4	108742048	108763054	21006	protein coding	-1.34	7.85E-03	3.79E-02
ENSG00000111704	NANOG	12	7787794	7799146	11352	protein coding	-1.34	5.99E-03	3.17E-02
ENSG00000157653	C9orf43	9	113410054	113429690	19636	protein coding	-1.34	2.36E-04	3.55E-03
ENSG00000249601	LINC01187	5	170191579	170199141	7562	lncRNA	-1.34	4.83E-03	2.74E-02
ENSG00000103599	IQCH	15	67254786	67502260	247474	protein coding	-1.34	1.53E-04	2.63E-03
ENSG00000130635	COL5A1	9	134641803	134844843	203040	protein coding	-1.34	2.11E-05	6.76E-04
ENSG00000110436	SLC1A2	11	35251205	35420063	168858	protein coding	-1.34	7.61E-05	1.64E-03
ENSG00000183914	DNAH2	17	7717354	7833744	116390	protein coding	-1.34	4.66E-04	5.55E-03
ENSG00000163638	ADAMT5	3	64515654	64688000	172346	protein coding	-1.34	1.03E-03	9.50E-03
ENSG00000233208	LINC00642	14	90453571	90490763	37192	lncRNA	-1.34	8.16E-04	8.14E-03
ENSG00000154678	PDE1C	7	31751179	32428131	678952	protein coding	-1.34	4.55E-04	5.46E-03
ENSG00000234817	ECI2-DT	6	4136072	4157385	21313	lncRNA	-1.34	5.93E-03	3.14E-02
ENSG00000172000	ZNF556	19	2867335	2883445	16110	protein coding	-1.34	1.18E-03	1.04E-02
ENSG00000090709	PAX7	1	18630846	18748866	118020	protein coding	-1.34	2.94E-03	1.95E-02
ENSG00000161243	FBXO27	19	38990714	39032785	42071	protein coding	-1.34	1.47E-03	1.21E-02
ENSG00000279711	AP004782.1	11	133064697	133068129	3432	TEC	-1.34	1.17E-02	4.98E-02
ENSG00000267549	AC006116.7	19	56314703	56365316	50613	lncRNA-antisense	-1.34	7.02E-04	7.32E-03
ENSG00000103375	AQP8	16	25215731	25228932	13201	protein coding	-1.34	1.11E-02	4.80E-02
ENSG00000124564	SLC17A3	6	25833066	25882286	49220	protein coding	-1.34	7.84E-03	3.79E-02
ENSG00000178662	CSRNP3	2	165469647	165689407	219760	protein coding	-1.34	3.89E-03	2.35E-02

ENSG00000147041	SYTL5	X	38006553	38128819	122266	protein coding	-1.34	6.45E-03	3.32E-02
ENSG00000204291	COL15A1	9	98943179	99070792	127613	protein coding	-1.34	2.42E-04	3.61E-03
ENSG00000159450	TCHH	1	152106317	152115454	9137	protein coding	-1.34	1.72E-03	1.35E-02
ENSG00000200397	Y RNA	7	87218611	87218712	101	misc RNA	-1.34	1.15E-02	4.93E-02
ENSG00000148123	PLPPR1	9	101028727	101325135	296408	protein coding	-1.34	8.24E-03	3.91E-02
ENSG00000138771	SHROOM3	4	76435229	76783253	348024	protein coding	-1.34	3.88E-05	1.02E-03
ENSG00000189149	CRYM-AS1	16	21300849	21339037	38188	transcribed unitary pseudogene	-1.34	2.67E-03	1.83E-02
ENSG00000243295	AC126121.3	3	59050164	59754808	704644	lncRNA	-1.34	6.60E-03	3.38E-02
ENSG00000165181	SHOC1	9	111686173	111795008	108835	protein coding	-1.34	4.74E-05	1.18E-03
ENSG00000164393	ADGRF2	6	47656436	47697797	41361	protein coding	-1.35	8.01E-03	3.84E-02
ENSG00000163092	XIRP2	2	166888480	167259753	371273	protein coding	-1.35	2.30E-03	1.65E-02
ENSG00000167281	RBFOX3	17	79089345	79516148	426803	protein coding	-1.35	1.06E-05	4.30E-04
ENSG00000109132	PHOX2B	4	41744082	41748725	4643	protein coding	-1.35	3.32E-03	2.11E-02
ENSG00000127325	BEST3	12	69643360	69699476	56116	protein coding	-1.35	3.24E-03	2.08E-02
ENSG00000143768	LEFTY2	1	225936598	225941383	4785	protein coding	-1.35	2.36E-03	1.68E-02
ENSG00000137573	SULF1	8	69466624	69660915	194291	protein coding	-1.35	3.59E-04	4.65E-03
ENSG00000069535	MAOB	X	43766610	43882450	115840	protein coding	-1.35	8.14E-03	3.88E-02
ENSG00000256654	AC005906.2	12	4909867	5026012	116145	lncRNA	-1.35	1.55E-03	1.25E-02
ENSG00000245651	AC083805.1	12	57869834	57896482	26648	lncRNA	-1.35	3.07E-03	2.01E-02
ENSG00000198221	AFDN-DT	6	167822103	167826812	4709	lncRNA	-1.35	6.22E-03	3.25E-02
ENSG00000237840	FAM21FP	10	45706431	45727231	20800	transcribed unprocessed pseudogene	-1.35	1.04E-05	4.23E-04
ENSG00000173698	ADGRG2	X	18989307	19122637	133330	protein coding	-1.35	2.78E-07	3.63E-05
ENSG00000258910	LINC01956	2	118766965	118835110	68145	lncRNA	-1.35	7.67E-03	3.73E-02
ENSG00000106688	SLC1A1	9	4490468	4587469	97001	protein coding	-1.35	4.81E-03	2.73E-02
ENSG00000228549	BX284668.2	1	16870945	16883659	12714	lncRNA	-1.35	5.45E-04	6.16E-03
ENSG00000205126	ACCSL	11	44047981	44059977	11996	protein coding	-1.35	4.03E-03	2.41E-02
ENSG00000218336	TENM3	4	182143987	182803024	659037	protein coding	-1.35	8.77E-06	3.80E-04
ENSG00000271776	AL445209.1	13	78596129	78599619	3490	lncRNA-antisense	-1.35	5.70E-03	3.06E-02
ENSG00000282021	AC100810.3	8	1758208	1760447	2239	lncRNA	-1.35	6.63E-03	3.39E-02
ENSG00000108511	HOXB6	17	48595751	48604992	9241	protein coding	-1.35	2.29E-03	1.64E-02
ENSG00000213171	LINGO4	1	151800264	151805419	5155	protein coding	-1.35	2.97E-03	1.97E-02
ENSG00000173662	TAS1R1	1	6555307	6579755	24448	protein coding	-1.35	6.10E-03	3.20E-02
ENSG00000120327	PCDHB14	5	141222932	141227759	4827	protein coding	-1.35	9.63E-03	4.35E-02
ENSG00000184454	NCMAP	1	24556087	24609328	53241	protein coding	-1.35	8.46E-03	3.98E-02
ENSG00000154133	ROBO4	11	124883691	124898500	14809	protein coding	-1.35	1.50E-03	1.22E-02
ENSG00000258702	AL137786.1	14	96592399	96605974	13575	lncRNA	-1.35	1.41E-03	1.18E-02
ENSG00000183454	GRIN2A	16	9753404	10182928	429524	protein coding	-1.35	2.53E-04	3.71E-03
ENSG00000225937	PCA3	9	76691980	76863307	171327	lncRNA-antisense	-1.35	3.81E-04	4.86E-03
ENSG00000286063	AL121888.1	20	48324812	48367976	43164	lncRNA	-1.35	1.14E-03	1.01E-02
ENSG00000204961	PCDHA9	5	140847772	141012347	164575	protein coding	-1.35	6.26E-03	3.26E-02
ENSG00000179002	TAS1R2	1	18839599	18859682	20083	protein coding	-1.35	2.03E-03	1.51E-02
ENSG00000104537	ANXA13	8	123680794	123737402	56608	protein coding	-1.35	1.09E-02	4.73E-02
ENSG00000286812	AP001120.5	18	11758977	11786181	27204	lncRNA	-1.35	1.04E-02	4.60E-02
ENSG00000176381	PRR18	6	166305300	166308448	3148	protein coding	-1.35	8.58E-03	4.02E-02
ENSG00000154864	PIEZO2	18	10666483	11149569	483086	protein coding	-1.35	2.55E-05	7.68E-04
ENSG00000170959	DCDC1	11	30830369	31369810	539441	protein coding	-1.35	8.36E-05	1.74E-03
ENSG00000163145	C10TNF7	4	15339818	15446167	106349	protein coding	-1.35	8.49E-04	8.33E-03
ENSG00000197322	C17orf102	17	34574123	34579369	5246	lncRNA-bidirectional promoter lncRNA	-1.35	1.06E-02	4.67E-02
ENSG00000144229	THSD7B	2	136765545	137677718	912173	protein coding	-1.35	6.31E-03	3.28E-02
ENSG00000170091	NSG2	5	174045706	174243501	197795	protein coding	-1.35	1.74E-03	1.92E-02
ENSG00000275016	AC015574.1	15	95638316	95826499	188183	lncRNA	-1.35	5.98E-04	6.58E-03
ENSG00000279249	AC007614.1	16	49282021	49350504	68483	lncRNA-antisense	-1.35	1.07E-03	9.72E-03
ENSG00000179431	FJX1	11	35618460	35620865	2405	protein coding	-1.35	7.48E-03	3.67E-02
ENSG00000275734	AC010538.1	16	89671568	89685304	13736	lncRNA-sense overlapping	-1.35	1.71E-03	1.34E-02
ENSG00000130477	UNC13A	19	17601328	17688365	87037	protein coding	-1.35	2.57E-03	1.78E-02
ENSG00000143839	REN	1	204154819	204190324	35505	protein coding	-1.35	5.55E-03	3.00E-02
ENSG00000104368	PLAT	8	42174718	42207709	32991	protein coding	-1.35	3.02E-05	8.62E-04
ENSG00000183921	SDRA2E2	16	22165583	22191754	26171	protein coding	-1.36	4.94E-04	5.77E-03
ENSG00000280418	AC007326.2	22	18951934	18959512	7578	lncRNA	-1.36	6.16E-04	6.70E-03
ENSG00000149596	JPH2	20	44106590	44187188	80598	protein coding	-1.36	1.29E-03	1.10E-02
ENSG00000286232	AL365229.1	20	61267525	61271827	4302	lncRNA	-1.36	3.12E-03	2.03E-02
ENSG00000229021	AL450992.1	1	151994531	152042774	48243	lncRNA-antisense	-1.36	3.84E-03	2.33E-02
ENSG00000228412	LNC-LBCS	6	19323428	19839080	515652	lncRNA-antisense	-1.36	1.33E-03	1.13E-02
ENSG00000077522	ACTN2	1	236664141	236764631	100490	protein coding	-1.36	4.38E-04	5.33E-03
ENSG00000279019	AC009090.4	16	57140896	57144586	3690	TEC	-1.36	1.57E-03	1.27E-02
ENSG00000084710	EFR3B	2	25042076	25159135	117059	protein coding	-1.36	4.45E-06	2.38E-04
ENSG00000120658	ENOX1	13	43213518	43786908	573390	protein coding	-1.36	4.75E-03	2.70E-02
ENSG00000170423	KRT78	12	52837804	52849092	11288	protein coding	-1.36	7.23E-03	3.59E-02
ENSG00000267909	CCDC177	14	69569799	69574871	5072	protein coding	-1.36	4.54E-03	2.62E-02
ENSG00000285094	LINC01488	11	69481662	69494952	13290	lncRNA	-1.36	1.20E-03	1.05E-02
ENSG00000171914	TLN2	15	62390526	62844631	454105	protein coding	-1.36	3.94E-08	9.44E-06
ENSG00000223843	EFCAB6-AS1	22	43516107	43560063	43956	lncRNA-antisense	-1.36	5.27E-03	2.90E-02
ENSG00000286449	AC016590.4	19	37304451	37309641	5190	lncRNA	-1.36	7.74E-03	3.75E-02
ENSG00000140522	RLBP1	15	89209869	89221614	11745	protein coding	-1.36	9.48E-03	4.30E-02
ENSG00000019144	PHLDB1	11	118606440	118658031	51591	protein coding	-1.36	2.65E-07	3.51E-05
ENSG00000175445	LPL	8	19901717	19967259	65542	protein coding	-1.36	1.22E-04	2.26E-03
ENSG00000260337	AC091544.4	15	92592574	92596462	3888	lncRNA	-1.36	1.07E-02	4.67E-02
ENSG00000174450	GOLGA6L2	15	23439038	23447243	8205	protein coding	-1.36	5.10E-03	2.83E-02
ENSG00000168959	GRM5	11	88504576	89065945	561369	protein coding	-1.36	7.32E-03	3.62E-02
ENSG00000267374	MIR924HG	18	39206917	39800322	593405	lncRNA	-1.36	1.05E-04	2.03E-03
ENSG00000185105	MYADM2	17	81939645	81947233	7588	protein coding	-1.36	7.93E-03	3.81E-02
ENSG00000142149	HUNK	21	31873020	32044633	171613	protein coding	-1.36	9.06E-04	8.71E-03
ENSG00000116147	TNR	1	175315194	175743616	428422	protein coding	-1.36	1.83E-06	1.34E-04
ENSG00000164746	C7orf57	7	48035511	48061304	25793	protein coding	-1.36	2.09E-03	1.54E-02
ENSG00000123843	C4BPB	1	207088860	207099993	11133	protein coding	-1.36	7.73E-03	3.75E-02
ENSG00000285564	AL031121.2	6	163338363	163346744	8381	lncRNA	-1.36	4.28E-04	5.24E-03
ENSG0000002746	HECW1	7	43112629	43566001	453372	protein coding	-1.36	6.72E-05	1.51E-03
ENSG00000182177	ASB18	2	236194872	236264409	69537	protein coding	-1.36	1.43E-04	2.50E-03
ENSG00000278746	RN7SL60P	14	32442341	32442639	298	misc RNA	-1.36	2.18E-03	1.59E-02
ENSG00000135454	B4GALNT1	12	57623409	57632339	9830	protein coding	-1.36	6.21E-04	6.73E-03

ENSG00000272595	OR10AH1P	7	5103719	5120245	16526	transcribed_unprocessed_pseudogene	-1.36	2.26E-03	1.63E-02
ENSG00000277741	GOLGA6L17P	15	82519590	82526412	6822	transcribed_unprocessed_pseudogene	-1.36	7.35E-03	3.63E-02
ENSG00000287466	AL355531.1	10	129621988	129628664	4676	lncRNA	-1.36	1.46E-03	1.20E-02
ENSG00000243766	HOTTIP	7	27198575	27207259	8684	lncRNA-antisense	-1.36	1.09E-03	9.80E-03
ENSG00000104321	TRPA1	8	72019917	72075584	55667	protein_coding	-1.36	5.30E-03	2.91E-02
ENSG00000004948	CALCR	7	93424486	93574730	150244	protein_coding	-1.36	9.72E-03	4.38E-02
ENSG00000232803	SLCO4A1-AS1	20	62663019	62666724	3705	lncRNA-antisense	-1.36	7.21E-03	3.58E-02
ENSG00000267107	PCAT19	19	41449520	41501223	51703	lncRNA	-1.36	8.48E-03	3.99E-02
ENSG00000175832	ETV4	17	43527844	43579620	51776	protein_coding	-1.36	1.26E-03	1.09E-02
ENSG00000224790	AP000704.1	21	36966461	36975164	8703	lncRNA	-1.36	2.69E-04	3.87E-03
ENSG00000124743	KLHL31	6	53647916	53665756	17840	protein_coding	-1.36	1.67E-03	1.32E-02
ENSG00000081248	CACNA1S	1	201039512	201112451	72939	protein_coding	-1.36	1.75E-03	1.36E-02
ENSG00000249715	FER1L5	2	96642737	96704887	62150	protein_coding	-1.36	7.44E-04	7.63E-03
ENSG00000195055	SYT13	11	45240302	45286341	46039	protein_coding	-1.36	1.39E-03	1.16E-02
ENSG00000146857	STRA8	7	135231979	135258492	26513	protein_coding	-1.36	5.74E-03	3.07E-02
ENSG00000163710	PCOLCE2	3	142815922	142889206	73284	protein_coding	-1.36	3.12E-03	2.03E-02
ENSG00000122728	TAF1L	9	32629454	32635669	6215	protein_coding	-1.37	1.40E-03	1.17E-02
ENSG00000224728	IMPDH1P8	3	15878047	15879571	1524	processed_pseudogene	-1.37	2.92E-03	1.94E-02
ENSG00000185933	CALHM1	10	103453240	103458900	5660	protein_coding	-1.37	2.61E-03	1.80E-02
ENSG00000267053	AC092296.2	19	36304564	36321274	16710	lncRNA	-1.37	5.07E-04	5.87E-03
ENSG00000112541	PDE10A	6	165327287	165988078	660791	protein_coding	-1.37	4.78E-06	2.51E-04
ENSG00000117971	CHRN4	15	78624111	78727754	103643	protein_coding	-1.37	7.03E-05	1.56E-03
ENSG00000250240	AC008840.1	5	95701249	95732295	31046	lncRNA-antisense	-1.37	4.30E-03	2.53E-02
ENSG00000175262	C1orf127	1	10946471	10982037	35566	protein_coding	-1.37	2.12E-04	3.29E-03
ENSG00000003989	SLCTA2	8	17497088	17570573	73485	protein_coding	-1.37	7.57E-04	7.71E-03
ENSG00000070601	FRMPD1	9	37650954	37746904	95950	protein_coding	-1.37	6.15E-04	6.69E-03
ENSG00000196616	ADH1B	4	99304971	99352760	47789	protein_coding	-1.37	3.26E-03	2.09E-02
ENSG00000225321	LINC01427	20	22263065	22284029	20964	lncRNA	-1.37	5.08E-03	2.83E-02
ENSG00000091622	PITPNM3	17	6451263	6556555	105292	protein_coding	-1.37	1.39E-04	2.45E-03
ENSG00000149948	HMG2A	12	65824460	65966291	141831	protein_coding	-1.37	3.81E-04	4.85E-03
ENSG00000150893	FREM2	13	38687077	38887131	200054	protein_coding	-1.37	6.44E-04	6.91E-03
ENSG00000171759	PAH	12	102836889	102958410	121521	protein_coding	-1.37	2.48E-03	1.74E-02
ENSG00000204381	LAYN	11	111540280	111561745	21465	protein_coding	-1.37	1.17E-04	2.18E-03
ENSG00000069482	GAL	11	68683779	68691175	7396	protein_coding	-1.37	4.83E-03	2.74E-02
ENSG00000283654	LMLN2	14	23099062	23104989	5927	protein_coding	-1.37	4.13E-03	2.45E-02
ENSG00000205592	MUC19	12	40393395	40570832	177437	protein_coding	-1.37	2.33E-05	7.25E-04
ENSG00000115221	ITGB6	2	160099667	160200313	100646	protein_coding	-1.37	9.07E-03	4.17E-02
ENSG00000251372	LINC00499	4	138309613	138663403	353790	lncRNA	-1.37	2.94E-03	1.95E-02
ENSG00000271732	AL137798.1	1	16617391	16617729	338	lncRNA	-1.37	8.26E-03	3.91E-02
ENSG00000254756	AP001107.6	11	66334494	66339875	5381	lncRNA-antisense	-1.37	3.23E-03	2.07E-02
ENSG00000152137	HSPB8	12	119171555	119224855	53300	protein_coding	-1.37	5.96E-03	3.15E-02
ENSG00000100399	CHADL	22	41229510	41240931	11421	protein_coding	-1.37	4.94E-04	5.77E-03
ENSG00000279071	AC073592.3	12	124537844	124539677	1833	TEC	-1.37	4.45E-03	2.59E-02
ENSG00000099954	CECR2	22	17359949	17558149	198200	protein_coding	-1.37	3.63E-09	1.79E-06
ENSG00000231863	AL139393.1	6	160931080	160985624	54544	lncRNA-antisense	-1.37	3.26E-03	2.09E-02
ENSG00000146950	SHROOM2	X	9786429	9949443	163014	protein_coding	-1.37	1.97E-04	3.13E-03
ENSG00000163518	FCRL4	1	157573747	157598085	24338	protein_coding	-1.37	3.98E-04	5.02E-03
ENSG00000180347	ITPRID1	7	31514071	31658720	144649	protein_coding	-1.37	3.22E-03	2.07E-02
ENSG00000234722	LINC01287	7	153355365	153413985	58620	lncRNA	-1.37	1.57E-03	1.27E-02
ENSG00000259905	PWRN1	15	24101827	24823365	721538	lncRNA	-1.38	2.10E-04	3.28E-03
ENSG00000113211	PCDH6B	5	141150022	141153287	3265	protein_coding	-1.38	8.05E-03	3.85E-02
ENSG00000261786	AC006058.1	3	44117299	44122365	5066	lncRNA	-1.38	3.62E-03	2.24E-02
ENSG00000197446	CYP2F1	19	41114432	41128381	13949	protein_coding	-1.38	8.55E-03	4.01E-02
ENSG00000113361	CDH6	5	31193686	31329146	135460	protein_coding	-1.38	7.84E-05	1.67E-03
ENSG00000186801	KRT5	12	52514575	52520530	5955	protein_coding	-1.38	9.62E-04	9.07E-03
ENSG00000204175	GPRIN2	10	46549044	46555530	6486	protein_coding	-1.38	2.40E-03	1.70E-02
ENSG00000162598	C1orf87	1	59987269	60073770	86501	protein_coding	-1.38	2.16E-03	1.58E-02
ENSG00000100234	TIMP3	22	32801705	32863041	61336	protein_coding	-1.38	4.26E-04	5.22E-03
ENSG00000234707	SEC61G-DT	7	54759348	54812727	53379	lncRNA-antisense	-1.38	1.15E-02	4.93E-02
ENSG00000185332	TMEM105	17	81311270	81330674	19404	lncRNA	-1.38	3.94E-03	2.37E-02
ENSG00000255794	RMST	12	97430884	97598415	167531	lncRNA	-1.38	7.28E-03	3.60E-02
ENSG00000233485	FHAD1-AS1	1	15326680	15343876	17196	lncRNA-antisense	-1.38	3.45E-03	2.17E-02
ENSG00000204929	AC007389.1	2	65436711	66200373	763662	lncRNA	-1.38	1.99E-03	1.49E-02
ENSG00000229921	KIF25-AS1	6	167992822	167997110	4288	lncRNA	-1.38	9.01E-03	4.15E-02
ENSG00000138028	CGREF1	2	27098889	27119128	20239	protein_coding	-1.38	1.80E-03	1.39E-02
ENSG00000196581	AJAP1	1	4654609	4792534	137925	protein_coding	-1.38	7.95E-05	1.69E-03
ENSG00000236445	LINC00608	2	218975393	218989400	14547	lncRNA-antisense	-1.38	9.90E-03	4.44E-02
ENSG00000220785	MTMR9L	1	32231658	32241620	9962	transcribed_unprocessed_pseudogene	-1.38	1.87E-04	3.03E-03
ENSG00000198691	ABCA4	1	93992834	94121148	128314	protein_coding	-1.38	5.41E-04	6.13E-03
ENSG00000198515	CNGA1	4	47935977	48016681	80704	protein_coding	-1.38	9.86E-03	4.42E-02
ENSG00000166840	GLYATL1	11	58905398	59043527	138129	protein_coding	-1.38	1.03E-02	4.58E-02
ENSG00000268869	ESPNP	1	16687339	16720157	32818	transcribed_unprocessed_pseudogene	-1.38	6.38E-04	6.85E-03
ENSG00000075429	CACNG5	17	66835117	66894751	59634	protein_coding	-1.38	3.75E-03	2.30E-02
ENSG00000103855	CD276	15	73683966	73714514	30548	protein_coding	-1.38	3.19E-05	8.91E-04
ENSG00000236519	LINC01424	21	44802577	44804717	2140	lncRNA-antisense	-1.38	4.20E-03	2.48E-02
ENSG00000238207	AC009312.1	2	117754139	117804174	50035	lncRNA-antisense	-1.38	1.11E-02	4.79E-02
ENSG00000139144	PIK3C2G	12	18242961	18648416	405455	protein_coding	-1.38	4.18E-03	2.48E-02
ENSG00000167723	TRPV3	17	3510502	3557812	47310	protein_coding	-1.38	3.70E-07	4.42E-05
ENSG00000229656	ITGB1-DT	10	32958437	33082102	123665	lncRNA	-1.38	2.58E-03	1.78E-02
ENSG00000101049	SGK2	20	43558968	43588237	29269	protein_coding	-1.38	2.36E-03	1.56E-04
ENSG00000177822	TENM3-AS1	4	181874438	182145249	270811	lncRNA-antisense	-1.38	7.78E-03	3.76E-02
ENSG00000230805	AL132709.7	14	101071978	101077910	5932	lncRNA	-1.38	2.20E-03	1.60E-02
ENSG00000178722	C5orf64	5	61610424	61793401	182977	lncRNA	-1.38	2.98E-04	4.13E-03
ENSG00000039560	Rai14	5	34656328	34832612	176284	protein_coding	-1.38	2.39E-05	7.36E-04
ENSG00000132915	PDE6A	5	149857953	149944793	86840	protein_coding	-1.38	3.58E-03	2.23E-02
ENSG00000228010	AC073343.2	7	6663974	6708901	44927	lncRNA-antisense	-1.38	3.76E-03	2.30E-02
ENSG00000115155	OTOF	2	26457203	26558756	101553	protein_coding	-1.38	1.10E-03	9.90E-03
ENSG00000065618	COL17A1	10	104031286	104085880	54594	protein_coding	-1.38	6.88E-06	3.22E-04
ENSG00000259293	LIPIC-AS1	15	58434890	58498735	63845	lncRNA-antisense	-1.38	1.15E-02	4.90E-02
ENSG00000258628	RHPN2P1	15	20228620	20277503	48883	unprocessed_pseudogene	-1.38	3.22E-03	2.07E-02

ENSG00000150510	FAM124A	13	51222334	51284239	61905	protein coding	-1.38	3.85E-05	1.02E-03
ENSG00000196932	TMEM26	10	61406642	61453381	46739	protein coding	-1.38	7.26E-03	3.60E-02
ENSG00000172900	ACTE1P	11	71382601	71423423	40822	transcribed unitary pseudogene	-1.38	4.71E-04	5.60E-03
ENSG00000261697	AC010531.4	16	87262759	87292438	29679	lncRNA-sense intronic	-1.38	5.83E-03	3.10E-02
ENSG00000111783	RFX4	12	106583004	106762803	179799	protein coding	-1.38	2.06E-03	1.53E-02
ENSG00000165966	PDZRN4	12	41188320	41574745	386425	protein coding	-1.38	9.02E-03	4.15E-02
ENSG00000121446	RGL1	1	182409192	182560599	151407	protein coding	-1.39	2.33E-04	3.52E-03
ENSG00000205622	AP001042.1	21	38812878	38956467	143589	lncRNA	-1.39	2.98E-04	4.14E-03
ENSG00000260144	AC100827.2	15	72605183	72612326	7143	unprocessed pseudogene	-1.39	3.90E-04	4.94E-03
ENSG00000250754	LINC02436	4	185051081	185115500	64419	lncRNA	-1.39	1.65E-03	1.31E-02
ENSG00000113073	SLC4A9	5	140360194	140375141	14947	protein coding	-1.39	4.08E-04	5.10E-03
ENSG00000080293	SCTR	2	119439843	119525301	85458	protein coding	-1.39	9.07E-04	8.71E-03
ENSG00000243910	TUBA4B	2	219253243	219272197	18954	protein coding	-1.39	4.89E-03	2.76E-02
ENSG00000285108	AC103718.1	8	129685401	129723023	37622	lncRNA	-1.39	1.45E-03	1.20E-02
ENSG00000127129	EDN2	1	41478775	41484683	5908	protein coding	-1.39	2.66E-03	1.82E-02
ENSG00000162631	NTNG1	1	107140007	107483458	343451	protein coding	-1.39	2.43E-05	7.46E-04
ENSG00000223884	AC068481.1	2	7045329	7077916	32587	lncRNA-antisense	-1.39	3.37E-03	2.14E-02
ENSG00000143195	ILDR2	1	166895711	166975540	79829	protein coding	-1.39	9.07E-08	1.62E-05
ENSG00000186326	RGS9BP	19	32675848	32678300	2452	protein coding	-1.39	8.26E-03	3.91E-02
ENSG00000268230	AC012313.3	19	58346854	58362751	15897	lncRNA	-1.39	5.83E-03	3.10E-02
ENSG00000250579	CTD-229D710.2	5	5132101	5140119	8018	lncRNA-antisense	-1.39	7.31E-04	7.53E-03
ENSG00000204540	PSORS1C1	6	31114750	31140092	25342	protein coding	-1.39	5.56E-03	3.00E-02
ENSG00000196990	FAM163B	9	133577081	133609389	32308	protein coding	-1.39	4.23E-03	2.49E-02
ENSG00000103546	SLC6A2	16	55655604	55706192	50588	protein coding	-1.39	3.45E-03	2.17E-02
ENSG00000092051	JPH4	14	23568035	23578790	10755	protein coding	-1.39	1.49E-06	1.14E-04
ENSG00000136634	IL10	1	206767602	206774541	6939	protein coding	-1.39	2.50E-03	1.74E-02
ENSG00000158296	SLC13A3	20	46557823	46684467	126644	protein coding	-1.39	2.86E-05	8.29E-04
ENSG00000142677	IL22RA1	1	24119771	24143140	23369	protein coding	-1.39	2.81E-03	1.89E-02
ENSG00000225813	AC009299.1	2	161281902	161282618	716	processed pseudogene	-1.39	5.08E-03	2.83E-02
ENSG00000221955	SLC12A8	3	125082636	125212864	130228	protein coding	-1.39	4.60E-05	1.15E-03
ENSG00000183470	FLJ40288	7	132648794	132728769	79975	lncRNA	-1.39	1.06E-02	4.66E-02
ENSG00000234988	LINC01849	2	100603752	100611542	7790	lncRNA	-1.39	1.17E-02	5.00E-02
ENSG00000134569	LRP4	11	46856717	46918642	61925	protein coding	-1.39	8.59E-04	8.40E-03
ENSG00000259156	CHEK2P2	15	20282744	20291586	8842	transcribed unprocessed pseudogene	-1.39	1.16E-02	4.97E-02
ENSG00000152128	TMEM163	2	134455759	134719000	263241	protein coding	-1.39	6.65E-05	1.50E-03
ENSG00000095203	EPB41L4B	9	109171975	109320964	148989	protein coding	-1.39	2.15E-03	1.58E-02
ENSG00000089250	NOS1	12	117208142	117452170	240248	protein coding	-1.39	7.12E-04	7.41E-03
ENSG00000136160	EDNRB	13	77895481	77975529	80048	protein coding	-1.39	4.90E-03	2.77E-02
ENSG00000173809	TDRD12	19	32719753	32829580	109827	protein coding	-1.39	2.61E-06	1.67E-04
ENSG00000134874	DZIP1	13	95578202	95644706	66504	protein coding	-1.39	1.34E-04	2.40E-03
ENSG00000165091	TMC1	9	72521608	72838297	316689	protein coding	-1.39	2.21E-04	3.39E-03
ENSG00000261803	LINC02140	16	54365996	54370794	4798	lncRNA	-1.39	8.08E-03	3.86E-02
ENSG00000106038	EVX1	7	27242700	27250493	7793	protein coding	-1.39	1.14E-03	1.01E-02
ENSG00000225077	LINC00337	1	6234692	6239444	4752	lncRNA	-1.39	2.26E-03	1.63E-02
ENSG00000137860	SLC28A2	15	45252234	45277846	25612	protein coding	-1.39	2.83E-03	1.90E-02
ENSG00000066382	MPPED2	11	30384493	30586872	202379	protein coding	-1.39	2.11E-04	3.28E-03
ENSG00000258773	AC087636.1	15	95078481	95105334	72053	lncRNA	-1.39	1.04E-02	4.60E-02
ENSG00000149305	HTR3B	11	113904677	113949078	44401	protein coding	-1.39	4.10E-03	2.44E-02
ENSG00000128254	C22orf24	22	31925519	31945518	19999	lncRNA	-1.39	8.83E-05	1.81E-03
ENSG00000185313	SCN10A	3	38696802	38816286	119484	protein coding	-1.39	7.26E-04	7.52E-03
ENSG00000138152	BTBD16	10	122271296	122338159	66863	protein coding	-1.39	9.56E-04	9.04E-03
ENSG00000255774	LINC02747	11	69475567	69481545	5978	lncRNA	-1.39	4.78E-03	2.72E-02
ENSG00000265646	TUFMP1	17	27082690	27084306	1346	processed pseudogene	-1.39	1.27E-03	1.09E-02
ENSG00000128408	RIBC2	22	45413693	45432509	18816	protein coding	-1.39	3.48E-03	2.18E-02
ENSG00000276067	SLC23A4P	7	135246113	135317752	71639	transcribed unprocessed pseudogene	-1.40	4.95E-04	5.77E-03
ENSG00000253230	MIR124-1HG	8	9898871	9906678	6807	lncRNA	-1.40	3.29E-04	4.41E-03
ENSG00000189229	AC069277.1	3	6490460	6736750	246290	lncRNA	-1.40	1.54E-03	1.25E-02
ENSG00000124440	HIF3A	19	46297042	46343433	46391	protein coding	-1.40	2.11E-04	3.28E-03
ENSG00000278811	LINC00624	1	147258885	147517775	258990	lncRNA-antisense	-1.40	9.77E-04	9.17E-03
ENSG00000197905	TEAD4	12	2959330	3040676	81346	protein coding	-1.40	8.93E-04	8.61E-03
ENSG00000115648	MLPH	2	237485428	237555322	15984	protein coding	-1.40	8.12E-06	3.61E-04
ENSG00000103460	TOX3	16	52436417	52547802	111385	protein coding	-1.40	7.67E-03	3.73E-02
ENSG00000186191	BPIFB4	20	33079644	33111751	32107	protein coding	-1.40	1.11E-03	9.94E-03
ENSG00000204603	LINC01257	12	131165011	131232940	67929	lncRNA	-1.40	3.74E-03	2.29E-02
ENSG00000234537	AL354751.1	9	92132398	92138629	6231	unprocessed pseudogene	-1.40	5.45E-03	2.97E-02
ENSG00000144061	NPHP1	2	110122311	110205066	82755	protein coding	-1.40	1.63E-06	1.23E-04
ENSG00000166206	GABRB3	15	26543546	26939539	395993	protein coding	-1.40	3.77E-05	1.00E-03
ENSG00000277270	AL160412.1	20	61432868	61437630	4762	lncRNA	-1.40	8.43E-03	3.97E-02
ENSG00000053108	FSTL4	5	133196455	133612541	416086	protein coding	-1.40	5.02E-06	2.60E-04
ENSG00000149488	TMC2	20	2536607	2641784	105177	protein coding	-1.40	1.30E-03	1.11E-02
ENSG00000241484	ARHGAP8	22	44752558	44862788	110230	protein coding	-1.40	4.04E-04	5.07E-03
ENSG00000129167	TPH1	11	18017564	18042426	24862	protein coding	-1.40	3.42E-06	2.00E-04
ENSG00000284237	LINC02767	1	207959292	207969329	10037	lncRNA	-1.40	6.95E-04	7.27E-03
ENSG00000235731	LINC02250	15	25456271	25578813	122542	lncRNA	-1.40	1.75E-03	1.36E-02
ENSG00000251666	ZNF346-IT1	5	177051714	177052963	1249	lncRNA-sense intronic	-1.40	7.25E-03	3.59E-02
ENSG00000174628	IQCK	16	19716456	19858467	142011	protein coding	-1.40	6.20E-08	1.29E-05
ENSG00000087303	NID2	14	52004803	52069228	64425	protein coding	-1.40	1.13E-05	4.50E-04
ENSG00000230445	LRRC37A6P	10	27246350	27259455	13105	transcribed processed pseudogene	-1.40	3.62E-03	2.24E-02
ENSG00000103021	CCDC113	16	58231157	58283836	52679	protein coding	-1.40	1.91E-03	1.45E-02
ENSG00000108684	ASIC2	17	33013087	34174964	1161877	protein coding	-1.40	1.05E-04	2.04E-03
ENSG00000170500	LONRF2	2	100271875	100322501	50626	protein coding	-1.40	3.98E-05	1.04E-03
ENSG00000236671	PRKG1-AS1	10	52230398	52314507	84109	lncRNA-antisense	-1.40	1.25E-03	1.08E-02
ENSG00000225362	CT62	15	71110244	71115494	5250	lncRNA	-1.40	1.03E-02	4.56E-02
ENSG00000141519	CCDC40	17	80038632	80100613	63981	protein coding	-1.40	4.22E-05	1.08E-03
ENSG00000075461	CACNG4	17	66964707	67033398	68691	protein coding	-1.40	7.50E-04	7.67E-03
ENSG0000011262	KCNA1	12	4909905	4918256	8351	protein coding	-1.40	5.02E-04	5.83E-03
ENSG0000021826	CP51	2	210477682	210679107	201425	protein coding	-1.40	9.68E-05	1.94E-03
ENSG00000178243	C9orf62	9	135343249	135346562	3313	lncRNA	-1.40	2.34E-03	1.67E-02
ENSG00000135111	TBX3	12	114670255	114684175	13920	protein coding	-1.40	1.36E-03	1.14E-02
ENSG00000250305	TRMT9B	8	12945642	13031503	85861	protein coding	-1.40	1.59E-05	5.66E-04

ENSG0000286151	AL732406.1	1	157400927	157417259	16332	unprocessed_pseudogene	-1.40	1.99E-03	1.49E-02
ENSG0000119125	GDA	9	72114595	72257193	142598	protein_coding	-1.40	1.80E-03	1.39E-02
ENSG0000284713	SMIM38	11	69155478	69159752	4274	protein_coding	-1.40	7.21E-04	7.48E-03
ENSG0000007174	DNAH9	17	11598470	11969748	371278	protein_coding	-1.40	2.61E-04	3.79E-03
ENSG0000267627	AC118757.1	18	35951803	35966118	14315	lncRNA	-1.40	8.21E-03	3.90E-02
ENSG0000259709	AC023966.4	15	52124561	52140246	15685	lncRNA-antisense	-1.40	8.41E-03	3.97E-02
ENSG0000163531	NFASC	1	204828651	205022822	194171	protein_coding	-1.40	1.28E-04	2.33E-03
ENSG0000227110	LMCD1-AS1	3	7951263	8611924	660661	lncRNA-antisense	-1.40	1.04E-03	9.57E-03
ENSG0000094796	KRT31	17	41393721	41397608	3887	protein_coding	-1.40	8.36E-03	3.95E-02
ENSG0000237975	FLG-AS1	1	152168125	152445456	277331	lncRNA-antisense	-1.40	4.68E-04	5.56E-03
ENSG0000185823	NPAP1	15	24675775	24683393	7618	protein_coding	-1.40	8.74E-04	8.50E-03
ENSG0000115183	TANC1	2	158968640	159232659	264019	protein_coding	-1.40	7.39E-06	3.39E-04
ENSG0000188112	C6orf132	6	42101119	42142620	41501	protein_coding	-1.40	1.11E-03	9.97E-03
ENSG0000231980	AC011899.1	7	158027373	158031128	3755	lncRNA-antisense	-1.40	9.67E-03	4.36E-02
ENSG0000196277	GRM7	3	6770001	7741533	971532	protein_coding	-1.40	6.77E-04	7.14E-03
ENSG0000258551	CRAT37	15	91408708	91605873	197165	lncRNA	-1.40	3.29E-03	2.10E-02
ENSG0000266602	AP005262.1	18	1509022	2049510	540488	lncRNA	-1.40	1.36E-03	1.15E-02
ENSG0000162592	CCDC27	1	3746460	3771645	25185	protein_coding	-1.40	6.23E-05	1.43E-03
ENSG0000163702	IL17RC	3	9917074	9933630	16556	protein_coding	-1.40	4.92E-07	5.32E-05
ENSG0000233723	LINC01122	2	58427799	59063766	635967	lncRNA	-1.40	1.72E-03	1.34E-02
ENSG0000196273	LINC00523	14	100657250	100676069	18819	lncRNA	-1.41	3.48E-03	2.18E-02
ENSG0000130561	SAG	2	233307816	233347055	39239	protein_coding	-1.41	3.93E-05	1.03E-03
ENSG0000165084	C8orf34	8	68330955	68819023	480668	protein_coding	-1.41	3.65E-03	2.26E-02
ENSG0000287089	AL138889.3	6	33800142	33802960	2818	lncRNA	-1.41	6.46E-03	3.33E-02
ENSG0000151655	ITIH2	10	7703316	7749520	46204	protein_coding	-1.41	1.79E-04	2.94E-03
ENSG0000083857	FAT1	4	186587794	186726722	138928	protein_coding	-1.41	1.03E-06	8.72E-05
ENSG0000242715	CCDC169	13	36222008	36297840	75832	protein_coding	-1.41	3.61E-03	2.24E-02
ENSG0000113594	LIFR	5	38474668	38608354	133686	protein_coding	-1.41	1.01E-04	1.99E-03
ENSG0000088756	ARHGAP28	18	6729716	6915716	186000	protein_coding	-1.41	8.00E-04	8.03E-03
ENSG0000245614	DDX11-AS1	12	31019434	31073847	54413	lncRNA-antisense	-1.41	2.43E-03	1.71E-02
ENSG0000101331	CCM2L	20	32010438	32032180	21742	protein_coding	-1.41	1.68E-03	1.32E-02
ENSG0000189410	SH2D5	1	20719731	20732837	13106	protein_coding	-1.41	3.67E-05	9.87E-04
ENSG0000229386	OR8B9P	11	124476963	124482870	5907	transcribed_unprocessed_pseudogene	-1.41	8.26E-03	3.91E-02
ENSG0000235770	LINC00607	2	215611563	215848954	237391	lncRNA	-1.41	8.23E-04	8.17E-03
ENSG0000155886	SLC24A2	9	19507452	19786928	279476	protein_coding	-1.41	1.02E-03	9.43E-03
ENSG0000166257	SCN3B	11	123629187	123655244	26057	protein_coding	-1.41	1.44E-04	2.52E-03
ENSG0000183571	PGPEP1L	15	98968229	99007792	39563	protein_coding	-1.41	3.11E-03	2.02E-02
ENSG0000250742	LINC02381	12	54126082	54147485	21403	lncRNA	-1.41	3.56E-05	9.69E-04
ENSG0000279762	AC005899.8	17	32423971	324468038	22067	lncRNA-antisense	-1.41	2.31E-03	1.65E-02
ENSG0000160867	FGFR4	5	177086905	177098144	11239	protein_coding	-1.41	5.18E-05	1.25E-03
ENSG0000234123	RHBDF1P1	3	14572852	14574792	1940	processed_pseudogene	-1.41	9.49E-03	4.30E-02
ENSG0000186628	FSD2	15	82755362	82806700	50708	protein_coding	-1.41	7.38E-05	1.61E-03
ENSG0000085552	IGSF9	1	159927039	159945613	18574	protein_coding	-1.41	9.84E-05	1.96E-03
ENSG0000258461	AC012651.1	15	42348103	42412317	64214	protein_coding	-1.41	4.11E-04	5.12E-03
ENSG0000287971	AC093642.6	2	242037716	242041501	3785	lncRNA	-1.41	9.71E-03	4.38E-02
ENSG0000175985	PLEKH1D1	14	69484692	69531551	46859	protein_coding	-1.41	5.32E-05	1.27E-03
ENSG0000206538	VGLL3	3	86876388	86911449	114761	protein_coding	-1.41	2.14E-03	1.57E-02
ENSG0000234690	EPCAM-DT	2	47192405	47345074	152669	lncRNA	-1.41	1.05E-02	4.63E-02
ENSG0000237667	LINC01115	2	779840	869608	88768	lncRNA	-1.41	3.53E-06	2.02E-04
ENSG0000169218	RSP01	1	37611350	37634892	23542	protein_coding	-1.41	7.24E-04	7.50E-04
ENSG0000236511	LINC01231	9	3181342	3200445	19103	lncRNA	-1.41	2.05E-03	1.52E-02
ENSG0000251365	LINC02236	5	6765891	6833120	67229	lncRNA	-1.41	1.64E-03	1.30E-02
ENSG0000284744	AL591163.1	1	6767954	6770038	2084	lncRNA	-1.41	5.55E-03	3.00E-02
ENSG0000261812	TUBB8P7	16	90093154	90096354	3200	transcribed_unprocessed_pseudogene	-1.41	7.84E-03	3.79E-02
ENSG0000277022	AL031663.3	20	45435272	45448325	13053	lncRNA	-1.41	4.47E-03	2.60E-02
ENSG0000250073	AP000866.2	11	124759129	124766119	6990	lncRNA-antisense	-1.41	9.63E-03	4.35E-02
ENSG0000236780	LINC01829	2	67123357	67397980	274623	lncRNA-antisense	-1.41	3.03E-03	1.99E-02
ENSG0000036565	SLC18A1	8	20144855	20183206	38351	protein_coding	-1.41	1.14E-04	2.15E-03
ENSG0000164946	FREM1	9	14737152	14910995	173843	protein_coding	-1.41	1.46E-04	2.53E-03
ENSG0000174498	IGDCC3	15	65327127	65378002	50875	protein_coding	-1.41	2.60E-04	3.78E-03
ENSG0000257083	AC073530.1	12	66950754	67096410	145656	lncRNA	-1.41	2.81E-03	1.89E-02
ENSG0000100341	PNPLA5	22	43879678	43892013	12335	protein_coding	-1.42	1.47E-03	1.21E-02
ENSG0000186684	CYP27C1	2	127183832	127220313	36481	protein_coding	-1.42	1.67E-03	1.32E-02
ENSG0000232825	AL445433.2	1	99004276	99244794	240518	lncRNA-antisense	-1.42	6.84E-03	3.46E-02
ENSG0000166407	LMO1	11	8224309	8268716	44407	protein_coding	-1.42	2.58E-03	1.79E-02
ENSG0000179314	WSCD1	17	6057807	6124427	66620	protein_coding	-1.42	3.32E-04	4.43E-03
ENSG0000279412	AC020763.3	16	70713987	70716890	2903	TEC	-1.42	1.69E-03	1.33E-02
ENSG0000162949	CAPN13	2	30722771	30820542	97771	protein_coding	-1.42	1.06E-03	9.70E-03
ENSG0000239445	ST3GAL6-AS1	3	98706236	98732757	26521	lncRNA-antisense	-1.42	1.21E-03	1.05E-02
ENSG0000113905	HRG	3	186660216	186678234	18018	protein_coding	-1.42	4.88E-03	2.76E-02
ENSG0000002079	MYH16	7	99238829	99311130	72301	transcribed_unitary_pseudogene	-1.42	6.38E-05	1.45E-03
ENSG0000168748	CA7	16	66844414	66854153	9739	protein_coding	-1.42	5.32E-03	2.92E-02
ENSG0000164949	GEM	8	94249253	94262350	13097	protein_coding	-1.42	7.97E-03	3.82E-02
ENSG0000233862	AC016907.2	2	30051066	30143804	92738	lncRNA-antisense	-1.42	3.29E-03	2.10E-02
ENSG0000226674	TEX41	2	144666312	145262988	596676	lncRNA	-1.42	1.23E-04	2.26E-03
ENSG0000250320	EDIL3-DT	5	84382424	84490765	108341	lncRNA-antisense	-1.42	3.67E-03	2.26E-02
ENSG0000152086	TUBA3E	2	130191745	130198439	6694	protein_coding	-1.42	5.01E-03	2.80E-02
ENSG0000129451	KLK10	19	51012739	51020175	7436	protein_coding	-1.42	1.82E-03	1.40E-02
ENSG0000182070	OR52A1	11	5143219	5154757	11538	protein_coding	-1.42	9.39E-05	1.89E-03
ENSG0000171060	C8orf74	8	10672628	10700950	27962	protein_coding	-1.42	1.38E-04	2.45E-03
ENSG0000281880	PAUPAR	11	31812307	32002405	190098	lncRNA	-1.42	8.61E-04	8.41E-03
ENSG0000166862	CACNG2	22	36560857	36703752	142895	protein_coding	-1.42	8.78E-03	4.08E-02
ENSG0000156113	KCNMA1	10	76869601	77638369	768768	protein_coding	-1.42	1.03E-07	1.75E-05
ENSG0000254484	AP002336.1	11	70319928	70321415	1487	lncRNA-sense_intronic	-1.42	2.57E-03	1.78E-02
ENSG0000286667	AC010641.2	19	382725	387533	4808	lncRNA	-1.42	8.50E-04	8.34E-03
ENSG0000285517	AC010198.2	12	30795458	30879268	83810	lncRNA	-1.42	1.80E-05	1.78E-03
ENSG0000122852	SFTPA1	10	79610939	79615455	4516	protein_coding	-1.42	1.05E-02	4.63E-02
ENSG0000105137	SYDE1	19	15107401	15114985	7584	protein_coding	-1.42	3.36E-04	4.46E-03
ENSG0000254180	AC004083.1	8	90198389	90620077	421688	lncRNA	-1.42	1.11E-04	2.10E-03
ENSG0000178150	ZNF114	19	48270081	48287608	17527	protein_coding	-1.42	4.75E-03	2.71E-02

ENSG0000266916	ZNF793-AS1	19	37497159	37507122	9963	lncRNA-antisense	-1.42	2.82E-03	1.90E-02
ENSG0000249771	AC108210.1	4	41883061	41935075	52015	lncRNA	-1.42	5.40E-03	2.95E-02
ENSG0000133477	FAM83F	22	39994954	40043534	48580	protein coding	-1.42	2.92E-05	8.40E-04
ENSG0000143341	HMCN1	1	185734391	186190949	456558	protein coding	-1.42	1.41E-05	5.29E-04
ENSG0000257639	AC005632.2	16	21532945	21550373	17428	unprocessed pseudogene	-1.42	1.17E-02	4.98E-02
ENSG0000229563	LINC01204	X	45505388	45632121	126733	lncRNA	-1.42	4.51E-04	5.44E-03
ENSG0000285486	AC003043.2	17	44276368	44281182	4814	lncRNA	-1.42	2.13E-03	1.56E-02
ENSG0000269235	ZNF350-AS1	19	51949134	51981367	32233	lncRNA-antisense	-1.42	3.48E-03	2.18E-02
ENSG0000157103	SLC6A1	3	10992186	11039247	47061	protein coding	-1.42	2.78E-05	8.13E-04
ENSG0000224715	Z82186.1	22	47345569	47373541	27972	lncRNA	-1.42	2.46E-03	1.72E-02
ENSG0000179935	LINC00652	20	18786065	18794579	8514	lncRNA	-1.42	1.01E-02	4.52E-02
ENSG0000178033	CALHM5	6	116511639	116524788	13149	protein coding	-1.42	7.95E-04	7.98E-03
ENSG0000184144	CNTN2	1	205042937	205078289	35352	protein coding	-1.42	4.74E-04	5.62E-03
ENSG0000235438	ESRRAP2	13	21260015	21295003	34988	transcribed processed pseudogene	-1.42	2.44E-03	1.72E-02
ENSG0000268686	AC010643.1	19	49368558	49388091	19533	lncRNA-antisense	-1.42	7.83E-03	3.78E-02
ENSG0000258429	PDF	16	69326913	69330588	3675	protein coding	-1.42	3.54E-03	2.21E-02
ENSG0000226762	LINC02668	10	3232264	3258897	26633	lncRNA	-1.42	7.15E-03	3.56E-02
ENSG0000142621	FHAD1	1	15247272	15400283	153011	protein coding	-1.42	2.78E-07	3.63E-05
ENSG0000141756	FKBP10	17	41812680	41823213	10533	protein coding	-1.42	3.08E-04	4.23E-03
ENSG0000171509	RXFP1	4	158315311	158653372	338061	protein coding	-1.42	1.79E-03	1.39E-02
ENSG0000159261	CLDN14	21	36406021	36576569	115948	protein coding	-1.42	7.73E-04	7.84E-03
ENSG0000267136	AP005131.1	18	13514520	13522888	8368	lncRNA-antisense	-1.42	9.12E-04	8.74E-03
ENSG0000254602	AP00662.1	11	57638024	57652990	14766	lncRNA-sense overlapping	-1.42	5.06E-03	2.82E-02
ENSG0000235538	AL078602.1	6	163671577	16400980	338403	lncRNA	-1.42	2.27E-03	1.63E-02
ENSG0000284543	LINC01226	1	31506226	31583306	77080	lncRNA	-1.43	4.70E-05	1.17E-03
ENSG0000198842	STYXL2	1	187094075	187129165	35090	protein coding	-1.43	2.28E-03	1.64E-02
ENSG0000225674	IPO7P2	13	24122065	24123814	1749	processed pseudogene	-1.43	1.06E-02	4.64E-02
ENSG0000215859	PDZK1P1	1	147993862	148014956	21094	transcribed unprocessed pseudogene	-1.43	6.56E-03	3.37E-02
ENSG0000145087	STXBP5L	3	120908072	121424761	516689	protein coding	-1.43	1.70E-03	1.33E-02
ENSG0000247809	NRF2F-AS1	15	96110040	96327361	217321	lncRNA-antisense	-1.43	1.48E-04	2.55E-03
ENSG0000269473	AC012313.8	19	58440448	58445849	5401	lncRNA	-1.43	2.87E-04	4.03E-03
ENSG0000214185	XPOP1	20	34213495	34215892	2397	processed pseudogene	-1.43	8.46E-04	8.32E-03
ENSG0000181123	AC004832.1	22	30475364	30492804	17440	lncRNA-antisense	-1.43	4.39E-03	2.56E-02
ENSG0000166317	SYNPO2L	10	73644881	73663803	18922	protein coding	-1.43	2.52E-03	1.75E-02
ENSG0000274776	AC090241.3	18	46786699	46789297	2598	lncRNA	-1.43	6.24E-04	6.75E-03
ENSG0000204183	GDF5-AS1	20	35433029	35435450	2421	lncRNA	-1.43	8.23E-03	3.91E-02
ENSG0000280109	PLAC4	21	41175231	41186788	11557	lncRNA-antisense	-1.43	1.68E-04	2.80E-03
ENSG0000262801	U91319.1	16	13246232	13563388	317156	lncRNA	-1.43	8.51E-03	3.99E-02
ENSG0000154553	PDLIM3	4	185500660	185535077	34847	protein coding	-1.43	2.03E-04	3.21E-03
ENSG0000259426	AC027237.3	15	69396904	69415629	18125	lncRNA-antisense	-1.43	4.72E-03	2.70E-02
ENSG0000146755	TRIM50	7	73312536	73328082	15546	protein coding	-1.43	4.18E-03	2.47E-02
ENSG0000173826	KCNH6	17	63523334	63548977	25643	protein coding	-1.43	1.06E-03	9.68E-03
ENSG0000281732	Z84468.1	22	48538900	48547387	8487	lncRNA	-1.43	3.80E-04	4.85E-03
ENSG0000224189	HAGLR	2	176164051	176188958	24907	lncRNA-antisense	-1.43	1.80E-03	1.39E-02
ENSG0000259664	LINC02254	15	97339693	97523442	183749	lncRNA	-1.43	6.68E-03	3.41E-02
ENSG0000261327	AC134312.5	16	88177298	88186929	9631	lncRNA	-1.43	3.00E-03	1.98E-02
ENSG0000197106	SLC6A17	1	110150494	110202202	51708	protein coding	-1.43	6.97E-03	3.50E-02
ENSG0000102387	TAFL7	X	101268253	101293057	24804	protein coding	-1.43	3.96E-03	2.38E-02
ENSG0000189320	FAM180A	7	135728348	135748813	20465	protein coding	-1.43	8.70E-03	4.06E-02
ENSG0000259088	AL137779.2	14	101796555	101810321	13766	lncRNA-antisense	-1.43	4.61E-03	2.64E-02
ENSG0000184194	GPR173	X	53048789	53008615	31826	protein coding	-1.43	1.53E-03	1.24E-02
ENSG0000285792	AC040169.4	16	84040790	84045333	4543	lncRNA-antisense	-1.43	5.81E-03	3.10E-02
ENSG0000180998	GPR137C	14	52552836	52637713	84877	protein coding	-1.43	2.18E-03	1.59E-02
ENSG0000213290	PGK1P2	19	12559571	12561105	1534	processed pseudogene	-1.43	3.41E-03	2.15E-02
ENSG0000148734	NFFFR1	10	70247329	70284004	36675	protein coding	-1.43	8.47E-05	1.76E-03
ENSG0000137473	TTC29	4	146706638	146945882	239244	protein coding	-1.43	9.23E-03	4.22E-02
ENSG0000164695	CHMP4C	8	81732448	81759515	27067	protein coding	-1.43	4.57E-03	2.64E-02
ENSG0000234419	CICP13	1	222468094	222470882	2788	processed pseudogene	-1.43	6.63E-03	3.39E-02
ENSG0000272631	AC067750.1	10	86749754	86756298	6544	lncRNA-antisense	-1.43	2.04E-04	3.22E-03
ENSG0000243316	GUCY2G	10	112308181	112356574	48393	transcribed unitary pseudogene	-1.43	2.35E-03	1.67E-02
ENSG0000163873	GRIK3	1	36795527	37034515	238988	protein coding	-1.43	1.57E-05	5.61E-04
ENSG0000180438	TPRXL	3	13937273	14082811	145538	transcribed processed pseudogene	-1.43	1.00E-02	4.48E-02
ENSG0000108823	SGCA	17	50164214	50175928	11714	protein coding	-1.43	9.97E-06	4.13E-04
ENSG0000205325	AC005863.1	17	14767583	14780686	13103	lncRNA	-1.43	1.10E-02	4.78E-02
ENSG0000227630	LINC01132	1	234724042	234736720	12678	lncRNA	-1.43	6.35E-03	3.29E-02
ENSG0000272848	AL135910.1	6	169426420	169452475	26055	lncRNA	-1.43	5.84E-03	3.11E-02
ENSG0000166961	MS4A15	11	60756867	60776733	19866	protein coding	-1.43	3.58E-03	2.23E-02
ENSG0000170465	KRT6C	12	52468516	52473805	5289	protein coding	-1.43	6.93E-03	3.49E-02
ENSG0000162399	BSND	1	54998933	55017172	18239	protein coding	-1.43	4.85E-03	2.75E-02
ENSG0000159184	H0XB13	17	48724763	48728750	3987	protein coding	-1.43	6.63E-03	3.39E-02
ENSG0000153707	PTPRD	9	8314246	10612723	2298477	protein coding	-1.43	6.19E-04	6.72E-03
ENSG0000156486	KCNS2	8	98426958	98432853	5895	protein coding	-1.44	2.63E-03	1.81E-02
ENSG0000225361	PPP1R26-AS1	9	135462727	135480777	18050	lncRNA-antisense	-1.44	4.04E-05	1.05E-03
ENSG0000253819	LINC01151	8	122485194	122733804	248610	lncRNA	-1.44	1.03E-04	2.01E-03
ENSG0000164619	BMPER	7	33904308	34156427	252119	protein coding	-1.44	3.07E-04	4.21E-03
ENSG0000249679	AC106897.1	4	185471461	185507055	35594	lncRNA-antisense	-1.44	9.79E-04	9.17E-03
ENSG0000160886	LY6K	8	142700111	142705127	5016	protein coding	-1.44	6.19E-03	3.24E-02
ENSG0000129437	KLK14	19	51077495	51084245	6750	protein coding	-1.44	7.67E-03	3.73E-02
ENSG0000169418	NPR1	1	153678688	153693992	15304	protein coding	-1.44	1.04E-04	2.03E-03
ENSG0000235501	AC105942.1	1	94927361	94963616	36255	lncRNA-antisense	-1.44	3.21E-04	4.33E-03
ENSG0000163637	PRICKLE2	3	64092236	64445476	353240	protein coding	-1.44	2.61E-05	7.81E-04
ENSG0000261623	LINC02179	16	49466106	49469875	3769	lncRNA	-1.44	8.22E-03	3.90E-02
ENSG0000131941	RHPN2	19	32978592	33064888	86296	protein coding	-1.44	1.99E-05	6.53E-04
ENSG0000125337	KIF25	6	167996241	168045095	48854	protein coding	-1.44	8.32E-05	1.74E-03
ENSG0000186094	AGBL4	1	48532854	50023954	1491100	protein coding	-1.44	1.13E-04	2.13E-03
ENSG0000198185	ZNF334	20	46499630	46513559	13929	protein coding	-1.44	1.42E-03	1.18E-02
ENSG0000203650	LINC01285	X	118839539	118919669	80130	lncRNA	-1.44	2.21E-03	1.60E-02
ENSG0000149633	KIAA1755	20	38210503	38260772	50269	protein coding	-1.44	4.46E-05	1.12E-03
ENSG0000230725	AL035252.2	20	25139652	25149372	9720	lncRNA	-1.44	1.12E-03	9.99E-03
ENSG0000261026	AC105046.1	8	22679013	22684009	4996	lncRNA-sense overlapping	-1.44	7.52E-03	3.68E-02

ENSG0000203734	ECT2L	6	138795911	138904070	108159	protein coding	-1.44	3.15E-04	4.28E-03
ENSG0000173114	LRRN3	7	111091006	111125454	34448	protein coding	-1.44	1.67E-05	5.80E-04
ENSG0000259974	LINC00261	20	22547671	22578642	30971	lncRNA	-1.44	7.14E-03	3.56E-02
ENSG0000272568	AC005162.2	7	28979967	29013367	33400	lncRNA-antisense	-1.44	3.05E-03	2.00E-02
ENSG0000197125	OR8B8	11	124437445	124445696	8251	protein coding	-1.44	1.29E-03	1.10E-02
ENSG0000127530	OR7C1	19	14789260	14835376	46116	protein coding	-1.44	1.16E-04	2.17E-03
ENSG0000225057	AC012485.1	2	238231684	238255633	23949	lncRNA	-1.44	4.88E-03	2.76E-02
ENSG0000128052	KDR	4	55078481	55125595	47114	protein coding	-1.44	3.79E-04	4.84E-03
ENSG0000278916	CEP83-DT	12	94460003	94462484	2481	lncRNA	-1.44	5.31E-03	2.91E-02
ENSG0000215906	LACTBL1	1	22953043	22965338	12295	protein coding	-1.44	1.23E-03	1.07E-02
ENSG0000154914	USP43	17	9644698	9729687	84989	protein coding	-1.44	7.33E-05	1.60E-03
ENSG0000227295	ELL2P1	1	158175850	158177755	1905	processed pseudogene	-1.44	2.28E-05	7.15E-04
ENSG0000141738	GRB7	17	39737927	39747291	9364	protein coding	-1.44	1.07E-03	9.74E-03
ENSG0000277215	SPANXA2-OT1	X	141177284	141649927	472643	lncRNA	-1.44	3.64E-03	2.25E-02
ENSG0000232759	AC002480.1	7	22563337	22573996	10659	lncRNA-antisense	-1.44	4.01E-03	2.40E-02
ENSG0000259439	LINC01833	2	44921077	44939199	18122	lncRNA	-1.44	6.98E-03	3.50E-02
ENSG0000287759	AL353151.2	9	4741741	4759639	17898	lncRNA	-1.44	6.26E-03	3.26E-02
ENSG0000136881	BAAT	9	101354182	101385400	31218	protein coding	-1.44	4.24E-04	5.21E-03
ENSG0000254997	KRTAP5-9	11	71548420	71549608	1188	protein coding	-1.45	5.17E-03	2.86E-02
ENSG0000168671	UGT3A2	5	36035021	36071358	36337	protein coding	-1.45	2.02E-03	1.51E-02
ENSG0000182667	NTM	11	131370478	132336822	966344	protein coding	-1.45	1.11E-04	2.10E-03
ENSG0000226026	AC092802.1	1	95161676	95233982	72306	lncRNA-antisense	-1.45	1.97E-05	6.48E-04
ENSG0000109684	CLNK	4	10486395	10684768	198373	protein coding	-1.45	6.89E-06	3.22E-04
ENSG0000250198	LINC02199	5	8839700	8898052	58352	lncRNA	-1.45	5.45E-04	6.16E-03
ENSG0000168490	PHYHIP	8	22219703	22232101	12398	protein coding	-1.45	7.79E-06	3.52E-04
ENSG0000251538	LINC02201	5	122828952	122730685	101733	lncRNA	-1.45	1.02E-02	4.55E-02
ENSG0000239921	LINC01471	3	127480690	127537817	57127	lncRNA	-1.45	1.24E-04	2.28E-03
ENSG0000287918	AF274853.1	X	151303384	151397142	93758	lncRNA	-1.45	4.18E-04	5.16E-03
ENSG0000226453	LINC02542	6	81844602	82169391	324789	lncRNA	-1.45	2.40E-03	1.70E-02
ENSG0000174527	MYO1H	12	109347903	109455523	107620	protein coding	-1.45	2.81E-04	3.98E-03
ENSG0000183169	POM121L1P	22	22639177	22644473	5296	transcribed unprocessed pseudogene	-1.45	2.88E-03	1.92E-02
ENSG0000162669	HF1M	1	91260766	91404856	144090	protein coding	-1.45	1.54E-04	2.64E-03
ENSG0000268505	AC135012.3	16	86192793	86198913	6120	lncRNA	-1.45	2.25E-03	1.62E-02
ENSG0000287583	AC018685.3	2	2697490	2701812	4322	lncRNA	-1.45	5.35E-04	6.08E-03
ENSG0000236668	AC006450.3	9	124006277	124009396	3119	lncRNA-antisense	-1.45	1.11E-02	4.79E-02
ENSG0000283380	AL807742.1	X	20769718	21374265	604547	lncRNA	-1.45	1.88E-03	1.43E-02
ENSG0000267199	AP01029.2	18	12438890	12448205	9315	lncRNA-antisense	-1.45	1.37E-03	1.15E-02
ENSG0000246228	CASC8	8	127289817	127482139	192322	lncRNA-antisense	-1.45	3.80E-03	2.31E-02
ENSG0000204625	HCG9	6	29975112	29978410	3298	lncRNA	-1.45	9.27E-04	8.86E-03
ENSG0000234130	AP2B1P1	X	93222220	93225015	2795	processed pseudogene	-1.45	1.44E-03	1.19E-02
ENSG0000176732	PFN4	2	24114809	24123464	8655	protein coding	-1.45	2.19E-03	1.60E-02
ENSG0000092607	TBX15	1	118883046	118999556	106510	protein coding	-1.45	1.97E-03	1.48E-02
ENSG0000039139	DNAH5	5	13690331	13944553	254212	protein coding	-1.45	2.91E-05	8.39E-04
ENSG0000119283	TRIM67	1	231162112	231221556	59444	protein coding	-1.45	6.65E-06	3.15E-04
ENSG0000179571	NBPF17P	1	143595216	143635641	40425	unprocessed pseudogene	-1.45	9.14E-03	4.20E-02
ENSG0000263278	AC233701.1	17	79598032	79603921	5889	lncRNA-sense intronic	-1.45	4.16E-03	2.47E-02
ENSG0000249464	LINC01091	4	123539026	123962698	423672	lncRNA	-1.45	7.68E-05	1.65E-03
ENSG0000188693	CYP51A1-AS1	7	92134604	92180725	46121	lncRNA-antisense	-1.45	1.37E-03	1.15E-02
ENSG0000162267	ITIH3	3	52794768	52809009	14241	protein coding	-1.45	4.99E-04	5.81E-03
ENSG0000135697	BCO1	16	81238689	81291142	52453	protein coding	-1.45	1.89E-03	1.44E-02
ENSG0000065325	GLP2R	17	9822206	9892099	69893	protein coding	-1.45	1.51E-03	1.23E-02
ENSG0000154479	CCDC173	2	169645425	169694405	48980	protein coding	-1.45	5.77E-03	3.08E-02
ENSG0000109819	PPARGC1A	4	23755041	23904089	149048	protein coding	-1.45	1.91E-05	6.37E-04
ENSG0000230552	AC092162.2	2	176723614	176819310	95696	lncRNA	-1.45	1.01E-02	4.49E-02
ENSG0000170858	LILRP2	19	54707916	54713453	5537	transcribed processed pseudogene	-1.45	8.89E-03	4.12E-02
ENSG0000109771	LRP2BP	4	185363879	185395899	32020	protein coding	-1.45	9.26E-08	1.63E-05
ENSG0000233623	PGAM1P11	1	10058671	10059648	977	processed pseudogene	-1.46	1.55E-03	1.25E-02
ENSG0000254968	LINC02763	11	112393118	112624567	231449	lncRNA	-1.46	8.45E-04	8.32E-03
ENSG0000136449	MYCBPAP	17	50508384	50531501	23117	protein coding	-1.46	1.31E-05	5.02E-04
ENSG0000091128	LAMB4	7	108023548	108130361	106813	protein coding	-1.46	4.67E-04	5.56E-03
ENSG0000155052	CNTNAP5	2	124025287	124915287	89000	protein coding	-1.46	3.59E-03	2.23E-02
ENSG0000240021	TEX35	1	178513109	178548602	35493	protein coding	-1.46	8.32E-03	3.94E-02
ENSG0000186334	SLC36A3	5	151276358	151303766	27408	protein coding	-1.46	8.17E-03	3.89E-02
ENSG0000105929	ATP6V0A4	7	138706294	138799560	93266	protein coding	-1.46	4.84E-03	2.74E-02
ENSG0000243016	AC112482.1	3	127221194	127221881	687	unprocessed pseudogene	-1.46	6.20E-03	3.24E-02
ENSG0000268964	ERVV-2	19	53044740	53051680	6940	protein coding	-1.46	1.10E-02	4.77E-02
ENSG0000124116	WFDC3	20	45747944	45791932	43988	protein coding	-1.46	1.04E-03	9.52E-03
ENSG0000258168	AC025569.1	12	70468080	70543040	74960	lncRNA-antisense	-1.46	2.83E-04	4.00E-03
ENSG0000223518	C5NK1A1P1	15	36798596	36818459	19863	transcribed processed pseudogene	-1.46	1.12E-02	4.82E-02
ENSG0000224259	LINC01133	1	159958035	159984750	26715	lncRNA	-1.46	8.86E-03	4.11E-02
ENSG0000196376	SLC35F1	6	117907264	118317676	410412	protein coding	-1.46	8.43E-03	3.97E-02
ENSG0000100122	CRYBB1	22	26599278	26618027	18749	protein coding	-1.46	7.75E-04	7.85E-03
ENSG0000158786	PLA2G2F	1	20139323	20150381	11058	protein coding	-1.46	1.88E-04	3.03E-03
ENSG0000273079	GRIN2B	12	13437942	13982002	544060	protein coding	-1.46	4.06E-06	2.23E-04
ENSG0000226454	AL033380.1	6	40505507	40523963	18456	lncRNA	-1.46	1.07E-03	9.74E-03
ENSG0000223813	AC007255.1	7	29514224	29563670	49446	lncRNA-antisense	-1.46	9.89E-03	4.44E-02
ENSG0000162897	FCAMR	1	206957965	206970625	12660	protein coding	-1.46	6.78E-03	3.43E-02
ENSG0000166589	CDH16	16	66908122	66918917	10795	protein coding	-1.46	1.33E-03	1.13E-02
ENSG0000237654	AP003025.1	11	131502735	131540867	38132	lncRNA-antisense	-1.46	2.05E-03	1.52E-02
ENSG0000123901	GPR83	11	94377316	94401149	24103	protein coding	-1.46	4.27E-04	5.23E-03
ENSG0000105976	MET	7	116672196	116798377	126181	protein coding	-1.46	1.39E-03	1.16E-02
ENSG0000261404	AC138627.1	16	73943078	74296762	353684	lncRNA	-1.46	3.58E-05	9.71E-04
ENSG0000249326	CTD-2194D22.4	5	1887332	1900493	13161	lncRNA-antisense	-1.46	3.76E-03	2.30E-02
ENSG0000257762	LINC02401	12	103547751	103578947	31196	lncRNA	-1.46	1.16E-02	4.97E-02
ENSG0000165186	PTCHD1	X	23334849	23404374	69525	protein coding	-1.46	7.26E-04	7.52E-03
ENSG0000271978	AL359643.2	6	5031756	5054423	22667	lncRNA	-1.46	5.92E-03	3.14E-02
ENSG0000115461	IGFBP5	2	216672105	216695549	23444	protein coding	-1.46	1.67E-04	2.80E-03
ENSG0000276462	BX255923.2	9	41100793	41119909	19116	lncRNA	-1.46	1.55E-03	1.25E-02
ENSG0000102996	MMP15	16	58025754	58046901	21147	protein coding	-1.46	2.21E-06	1.50E-04
ENSG0000280953	LINC01163	10	128181032	128317726	136694	lncRNA	-1.46	4.95E-07	5.34E-05

ENSG0000075673	ATP12A	13	24680408	24712472	32064	protein coding	-1.46	1.75E-03	1.36E-02
ENSG00000120820	GLT8D2	12	103988984	104064183	75199	protein coding	-1.46	6.69E-03	3.41E-02
ENSG00000070159	PTPN3	9	109375466	109498313	122847	protein coding	-1.46	7.07E-05	1.56E-03
ENSG00000166153	DEPDC4	12	100203669	100267079	63410	protein coding	-1.46	3.29E-03	2.10E-02
ENSG00000226009	KCNIP2-AS1	10	101818800	101828885	10085	lncRNA-antisense	-1.46	1.16E-02	4.94E-02
ENSG00000271911	AL357054.3	6	761675	780648	18973	lncRNA	-1.46	2.31E-03	1.65E-02
ENSG00000281969	AL592158.1	6	39818751	39823227	4476	TEC	-1.46	1.62E-03	1.29E-02
ENSG00000250420	AACSP1	5	178764861	178818435	53574	transcribed unprocessed pseudogene	-1.46	3.20E-04	4.32E-03
ENSG00000215704	CELA2B	1	15465909	15491395	25486	protein coding	-1.47	3.89E-03	2.35E-02
ENSG00000119715	ESRRB	14	76310712	76501837	191125	protein coding	-1.47	1.63E-04	2.75E-03
ENSG00000147113	DIPK2B	X	45148373	45200901	52528	protein coding	-1.47	7.85E-04	7.93E-03
ENSG00000103723	AP3B2	15	82659281	82709946	50665	protein coding	-1.47	7.22E-08	1.38E-05
ENSG00000205929	C21orf62	21	32790673	32813743	23070	protein coding	-1.47	1.02E-02	4.54E-02
ENSG00000134020	PEBP4	8	22713251	23000000	286749	protein coding	-1.47	7.79E-04	7.88E-03
ENSG00000095464	PDE6C	10	93612537	93666010	53473	protein coding	-1.47	6.67E-04	7.06E-03
ENSG00000286156	AC026273.1	2	94195806	94208379	12573	transcribed unprocessed pseudogene	-1.47	2.50E-03	1.75E-02
ENSG00000283973	AC099795.1	1	42959065	42961864	2799	lncRNA	-1.47	8.59E-03	4.02E-02
ENSG00000236253	SLC25A3P1	1	53413149	53440020	28871	transcribed processed pseudogene	-1.47	7.76E-03	3.76E-02
ENSG00000226430	USP17L7	8	12132417	12134099	1682	protein coding	-1.47	1.08E-02	4.71E-02
ENSG00000182326	C1S	12	6988259	7071032	82773	protein coding	-1.47	1.36E-05	5.13E-04
ENSG00000144452	ABCA12	2	214931542	215138626	207084	protein coding	-1.47	2.02E-03	1.51E-02
ENSG00000260704	LINC00543	13	27953526	27955370	1844	lncRNA	-1.47	2.58E-03	1.79E-02
ENSG00000196091	MYBPC1	12	101568353	101686028	117675	protein coding	-1.47	7.49E-04	7.67E-03
ENSG00000123977	DAWI	2	227871054	227924344	53290	protein coding	-1.47	5.54E-03	3.00E-02
ENSG00000139364	TMEM132B	12	125186836	125662377	475541	protein coding	-1.47	1.40E-04	2.47E-03
ENSG00000275088	AC026469.1	16	85142696	85146001	3305	lncRNA	-1.47	3.58E-03	2.23E-02
ENSG00000225269	LINC00705	10	4655427	4682722	27295	lncRNA	-1.47	7.16E-03	3.57E-02
ENSG00000241352	AC007688.2	12	12850982	12851740	758	processed pseudogene	-1.47	7.98E-03	3.82E-02
ENSG00000287225	CD4468.2	22	48474135	48489324	15189	lncRNA	-1.47	3.74E-03	2.29E-02
ENSG00000257582	LINC01475	10	99526350	99531177	4827	lncRNA	-1.47	1.07E-02	4.69E-02
ENSG00000166573	GALR1	18	77249848	77277900	28052	protein coding	-1.47	1.31E-03	1.12E-02
ENSG00000287633	AL161640.3	1	234550542	234554838	4296	lncRNA	-1.47	9.12E-03	4.19E-02
ENSG00000258457	AL132780.2	14	22982698	22999078	16380	lncRNA-antisense	-1.47	5.57E-03	3.01E-02
ENSG00000249781	LINC02112	5	9641305	9903852	262547	lncRNA	-1.47	8.61E-03	4.03E-02
ENSG00000279839	AL512383.1	1	3205988	3208664	2676	TEC	-1.47	3.81E-04	4.85E-03
ENSG00000111816	FRK	6	115931149	116060891	129742	protein coding	-1.47	8.64E-05	1.79E-03
ENSG00000233237	LINC00472	6	71343427	71420745	77318	lncRNA	-1.47	1.47E-04	2.55E-03
ENSG00000188523	CFAP77	9	132410043	132573319	163276	protein coding	-1.47	1.19E-03	1.04E-02
ENSG00000234261	AL138720.1	6	14661829	15090170	428341	lncRNA	-1.47	7.17E-04	7.45E-03
ENSG00000240694	PNMA2	8	26504701	26514092	9391	protein coding	-1.47	8.92E-04	8.61E-03
ENSG00000228198	OR2M3	1	248197265	248212925	15660	protein coding	-1.47	1.62E-03	1.29E-02
ENSG00000102313	ITIH6	X	54748918	54798255	49337	protein coding	-1.47	3.50E-03	2.19E-02
ENSG00000231252	AC099792.1	1	60659631	60868009	208378	lncRNA	-1.47	5.20E-03	2.87E-02
ENSG00000089101	CFAP61	20	20052514	20360703	308189	protein coding	-1.47	3.52E-04	4.60E-03
ENSG00000248332	TUB-AS1	11	8060038	8069373	9335	lncRNA-sense intronic	-1.47	4.07E-03	2.42E-02
ENSG00000087842	PIR	X	15384799	15493564	108765	protein coding	-1.48	6.05E-03	3.19E-02
ENSG00000286046	AC093998.1	4	18418662	18888662	470000	lncRNA	-1.48	1.02E-02	4.54E-02
ENSG00000118322	ATP10B	5	160563120	160852214	289094	protein coding	-1.48	5.52E-03	2.99E-02
ENSG00000100433	KCNK10	14	88180103	88326907	146804	protein coding	-1.48	3.33E-06	1.97E-04
ENSG00000229544	NKX1-2	10	124445243	124450035	4792	protein coding	-1.48	1.05E-02	4.63E-02
ENSG00000227066	Z98257.1	1	20154171	20160568	6397	lncRNA	-1.48	4.56E-03	2.63E-02
ENSG00000168334	XIRP1	3	39183210	39192596	9386	protein coding	-1.48	1.39E-03	1.16E-02
ENSG00000230483	AC124057.1	11	2404515	2407908	3393	lncRNA-antisense	-1.48	8.83E-03	4.10E-02
ENSG00000236991	EDRF1-AS1	10	125725634	125752110	26476	lncRNA-antisense	-1.48	2.19E-04	3.38E-03
ENSG00000185182	GOLGA8EP	15	22427039	22437902	10863	transcribed unprocessed pseudogene	-1.48	8.17E-03	3.89E-02
ENSG00000263089	AC007114.2	17	57092145	57096425	4280	lncRNA-antisense	-1.48	3.91E-04	4.95E-03
ENSG00000285634	SLG3827.1	9	85369591	85444230	74639	lncRNA	-1.48	3.52E-03	2.20E-02
ENSG00000179142	CYP11B2	8	142910559	142917843	7284	protein coding	-1.48	2.88E-03	1.92E-02
ENSG00000286322	AL356218.2	9	33401478	33410553	9075	lncRNA	-1.48	8.50E-03	3.99E-02
ENSG00000272636	DOC2B	17	142789	181650	38861	protein coding	-1.48	4.61E-05	1.15E-03
ENSG00000231367	LINC02613	2	38406527	38515934	109407	lncRNA	-1.48	4.45E-03	2.59E-02
ENSG00000130943	PKDREJ	22	46255663	46263343	7680	protein coding	-1.48	4.06E-03	2.42E-02
ENSG00000233304	LINC01346	1	3940486	3955262	14776	lncRNA	-1.48	6.03E-04	6.60E-03
ENSG00000178162	FAR2P2	2	130416755	130431363	14608	transcribed unprocessed pseudogene	-1.48	3.90E-04	4.95E-03
ENSG00000198963	RORB	9	74497335	74693177	195842	protein coding	-1.48	4.34E-04	5.29E-03
ENSG00000259203	AC016044.1	15	52800168	52805972	5804	lncRNA	-1.48	2.74E-03	1.86E-02
ENSG00000188611	ASAH2	10	50182778	50279720	96942	protein coding	-1.48	1.47E-06	1.13E-04
ENSG00000158055	GRHL3	1	24319357	24364482	45125	protein coding	-1.48	3.21E-04	4.33E-03
ENSG00000189325	BNIP5	6	36315761	36336888	21127	protein coding	-1.48	7.77E-04	7.87E-03
ENSG00000151577	DRD3	3	114127580	114199407	71827	protein coding	-1.48	9.76E-03	4.39E-02
ENSG00000122012	SV2C	5	76083383	76353939	270556	protein coding	-1.48	2.00E-05	6.54E-04
ENSG00000120729	MYOT	5	137867858	137887851	19993	protein coding	-1.48	7.15E-03	3.56E-02
ENSG00000132437	DDC	7	50458436	50565405	106969	protein coding	-1.48	9.36E-04	8.91E-03
ENSG00000236403	AL353611.1	9	134936524	134943207	6683	lncRNA	-1.48	7.63E-03	3.72E-02
ENSG00000167751	KLK2	19	50861568	50880567	18999	protein coding	-1.48	1.16E-03	1.02E-02
ENSG00000253301	LINC01606	8	57142659	57244793	102134	lncRNA	-1.48	2.63E-04	3.82E-03
ENSG00000279467	AP000350.8	22	23865248	23873277	8029	lncRNA-antisense	-1.48	9.41E-05	1.90E-03
ENSG00000175699	CCDC197	14	93987225	94008863	21638	protein coding	-1.48	2.18E-03	1.59E-02
ENSG00000151468	CCDC3	10	12896625	13099652	203027	protein coding	-1.48	2.95E-04	4.10E-03
ENSG00000231666	LINC01704	1	158131983	158149810	17827	lncRNA	-1.48	2.73E-03	1.85E-02
ENSG00000181333	HEPPL1	11	94021354	94114208	92854	protein coding	-1.48	1.17E-04	2.18E-03
ENSG00000184012	TMPPRSS2	21	41464300	41531116	66816	protein coding	-1.48	1.41E-04	2.48E-03
ENSG00000099960	SLC7A4	22	21028718	21032840	4122	protein coding	-1.48	1.45E-04	2.52E-03
ENSG00000234424	AL353743.4	9	85753306	85786575	33269	unprocessed pseudogene	-1.48	9.56E-03	4.33E-02
ENSG00000230927	TMBIM7P	7	92412550	92447813	35263	transcribed unitary pseudogene	-1.48	2.95E-03	1.96E-02
ENSG00000261126	RBFADN	18	80046900	80095482	48582	lncRNA	-1.48	1.69E-04	2.81E-03
ENSG00000163395	IGFN1	1	201190824	201228952	38128	protein coding	-1.48	2.84E-04	2.99E-03
ENSG00000200783	RN7SKP180	17	72663823	72664152	329	misc RNA	-1.48	3.91E-03	2.36E-02
ENSG00000173673	HES3	1	6244179	6245578	1399	protein coding	-1.48	1.14E-02	4.89E-02
ENSG00000163357	DCST1	1	155033824	155050930	17106	protein coding	-1.48	2.34E-05	7.27E-04

ENSG0000158014	SLC30A2	1	26037252	26046118	8866	protein coding	-1.48	6.77E-03	3.43E-02
ENSG0000253490	LINC02099	8	29748309	29798492	50183	lncRNA	-1.48	4.85E-03	2.75E-02
ENSG0000145692	BHMT	5	79111809	79132288	20479	protein coding	-1.48	4.11E-03	2.44E-02
ENSG0000237775	DDR1-DT	6	30866982	30875918	8936	lncRNA-antisense	-1.48	1.03E-02	4.57E-02
ENSG0000086570	FAT2	5	151504093	151568944	64851	protein coding	-1.48	1.67E-05	5.78E-04
ENSG0000113262	GRM6	5	178977587	178996206	18619	protein coding	-1.48	5.05E-04	8.55E-03
ENSG0000118526	TCF21	6	133889113	133895553	6440	protein coding	-1.49	6.84E-03	3.46E-02
ENSG0000228630	HOTAIR	12	53962308	53974956	12648	lncRNA-antisense	-1.49	1.07E-02	4.67E-02
ENSG0000153060	TEKT5	16	10627501	10694390	67429	protein coding	-1.49	1.14E-02	4.90E-02
ENSG0000187268	FAM9C	X	13035617	13044682	9065	protein coding	-1.49	2.48E-03	1.74E-02
ENSG0000276950	GSTT4	22	23998401	24005453	7052	protein coding	-1.49	8.87E-04	8.58E-03
ENSG0000267252	LINC01255	18	11486205	11523087	36882	lncRNA	-1.49	7.47E-04	7.65E-03
ENSG0000254166	CASC19	8	127072694	127227541	154847	lncRNA	-1.49	6.71E-07	6.64E-05
ENSG0000088002	SULT2B1	19	48552172	48599425	47253	protein coding	-1.49	2.65E-03	1.82E-02
ENSG0000153404	PLEKHG4B	5	92151	189972	97821	protein coding	-1.49	5.60E-05	1.32E-03
ENSG0000230699	AL645608.2	1	911435	914948	3513	lncRNA	-1.49	1.08E-03	9.77E-03
ENSG0000137809	ITGA11	15	68296532	68432163	135631	protein coding	-1.49	7.62E-06	3.47E-04
ENSG0000272808	AC015712.6	15	100849831	100876836	27005	lncRNA	-1.49	3.45E-03	2.17E-02
ENSG0000121335	PRB2	12	11391540	11501041	109501	protein coding	-1.49	5.46E-03	2.97E-02
ENSG0000171872	KLF17	1	44118821	44135140	16319	protein coding	-1.49	2.82E-03	1.89E-02
ENSG0000286195	AC007666.2	22	17521514	17570078	48564	lncRNA-antisense	-1.49	4.85E-03	2.75E-02
ENSG0000121898	CPXM2	10	123706207	123940267	234060	protein coding	-1.49	1.48E-05	5.45E-04
ENSG0000265888	DSCAS	18	31101583	31162789	61206	lncRNA-antisense	-1.49	1.12E-02	4.82E-02
ENSG0000224310	LINC01567	16	24661422	24671062	9640	lncRNA	-1.49	4.81E-03	2.73E-02
ENSG0000233117	LINC00702	10	4201141	4243912	42771	lncRNA	-1.49	3.78E-03	2.31E-02
ENSG0000286923	AC004522.5	7	99997690	100011634	13944	lncRNA	-1.49	7.86E-03	3.79E-02
ENSG0000278891	AC105101.1	18	48147634	48150864	3230	TEC	-1.49	5.01E-03	2.80E-02
ENSG0000197653	DNAH10	12	123762188	123935720	173532	protein coding	-1.49	7.72E-07	7.31E-05
ENSG0000237988	OR211P	6	29550407	29557721	7314	protein coding	-1.49	5.28E-04	6.04E-03
ENSG0000260305	NTRK3-AS1	15	88252730	88271066	18336	lncRNA	-1.49	8.82E-03	4.10E-02
ENSG0000272950	AC093799.1	7	98322853	98323430	577	lncRNA-antisense	-1.49	8.59E-03	4.02E-02
ENSG0000226203	LINC01733	20	25955795	25969288	13493	lncRNA	-1.49	9.58E-03	4.33E-02
ENSG0000204764	RANBP17	5	170861870	171300015	438145	protein coding	-1.49	3.87E-05	1.02E-03
ENSG0000247157	LINC01252	12	11548030	11590369	42339	lncRNA	-1.49	7.22E-06	3.33E-04
ENSG0000273523	AL139082.1	13	52128891	52132723	3832	lncRNA-antisense	-1.49	6.30E-03	3.27E-02
ENSG0000285081	AC004593.1	7	29191582	29194109	2527	lncRNA-sense intronic	-1.49	5.32E-03	2.91E-02
ENSG0000205426	KRT81	12	52285913	52291534	5621	protein coding	-1.49	8.03E-04	8.05E-03
ENSG0000244694	PTCHD4	6	47878028	48068689	190661	protein coding	-1.49	1.02E-02	4.55E-02
ENSG0000106018	VIPR2	7	159028175	159144867	116692	protein coding	-1.49	6.36E-07	6.47E-05
ENSG0000288568	AC092720.3	16	87492555	87516940	24385	lncRNA	-1.49	2.82E-04	4.00E-03
ENSG0000280257	AC007741.1	2	65790039	65793533	3494	TEC	-1.49	3.05E-03	2.00E-02
ENSG0000258464	AL160237.1	14	23699797	23729757	29960	lncRNA	-1.49	3.67E-03	2.26E-02
ENSG0000188039	NWD1	19	16719847	16817963	98116	protein coding	-1.49	1.76E-04	2.90E-03
ENSG0000103852	TTC23	15	99136323	99251223	114900	protein coding	-1.49	1.98E-06	1.40E-04
ENSG0000223553	SMPD4P1	22	20602595	20656914	54319	transcribed unprocessed pseudogene	-1.49	2.98E-04	4.14E-03
ENSG0000283258	AC007491.1	16	54628963	54657662	28699	lncRNA	-1.49	1.07E-02	4.68E-02
ENSG0000288253	AC010332.3	19	52453580	52458836	5256	lncRNA	-1.49	4.12E-05	1.07E-03
ENSG0000182704	TSKU	11	76782251	76798153	15902	protein coding	-1.49	2.50E-04	3.68E-03
ENSG0000230876	LINC00486	2	32825359	32926693	101334	lncRNA	-1.49	1.65E-03	1.31E-02
ENSG0000275898	AC125803.4	12	116580974	116583672	2698	lncRNA	-1.49	2.08E-04	3.26E-03
ENSG0000189143	CLDN4	7	73799542	73832693	33151	protein coding	-1.49	5.95E-04	6.55E-03
ENSG0000206043	C1orf63	18	74315839	74359189	43350	protein coding	-1.49	1.54E-03	1.25E-02
ENSG0000147647	DPYS	8	104330324	104467055	136731	protein coding	-1.49	1.74E-03	1.36E-02
ENSG0000236467	KCNMA1-AS1	10	76888044	76980624	92580	lncRNA-antisense	-1.49	1.34E-04	2.40E-03
ENSG0000261329	AC16597.1	16	27678940	27718806	39866	lncRNA-antisense	-1.50	1.84E-04	2.99E-03
ENSG0000186723	OR10H1	19	15804549	15815664	11115	protein coding	-1.50	1.37E-03	1.15E-02
ENSG0000103241	FOXF1	16	86510527	86515422	4895	protein coding	-1.50	5.12E-04	5.91E-03
ENSG0000286373	AC022387.2	10	63630672	63655769	25097	lncRNA	-1.50	6.38E-03	3.30E-02
ENSG0000206120	EGFEM1P	3	168249522	168830599	581077	transcribed unitary pseudogene	-1.50	3.79E-03	2.31E-02
ENSG0000231512	SEPTIN14P21	1	243029512	243052252	22740	transcribed unprocessed pseudogene	-1.50	1.09E-02	4.72E-02
ENSG0000173838	MARCFH10	17	62701314	62808344	107030	protein coding	-1.50	3.30E-04	4.42E-03
ENSG0000279965	AL390755.2	13	110123208	110125234	2026	TEC	-1.50	1.17E-02	4.98E-02
ENSG0000283945	LINC00032	9	27245680	27284869	39189	transcribed unprocessed pseudogene	-1.50	3.13E-03	2.04E-02
ENSG0000168676	KCTD19	16	67289428	67326760	37332	protein coding	-1.50	1.53E-04	2.62E-03
ENSG0000170790	OR10A2	11	6863057	6874717	11660	protein coding	-1.50	3.82E-03	2.32E-02
ENSG0000259380	AC087473.1	15	38139595	38226897	87302	lncRNA	-1.50	1.29E-04	2.34E-03
ENSG0000175183	CSRP2	12	76858709	76879023	20314	protein coding	-1.50	3.61E-03	2.24E-02
ENSG0000205856	C22orf42	22	32149006	32159322	10316	protein coding	-1.50	1.01E-02	4.52E-02
ENSG0000285527	AC136285.3	16	87129857	87133107	3250	lncRNA	-1.50	1.85E-03	1.42E-02
ENSG0000214376	VSTM5	11	93818232	93850618	32386	protein coding	-1.50	8.22E-04	8.17E-03
ENSG0000167080	B4GALNT2	17	49132460	49176840	44380	protein coding	-1.50	4.53E-04	5.45E-03
ENSG0000103175	WFDC1	16	84294846	84329844	34998	protein coding	-1.50	2.39E-04	3.59E-03
ENSG0000234859	AC003958.2	17	41402416	41425049	22633	lncRNA-antisense	-1.50	2.29E-03	1.64E-02
ENSG0000230385	AC012507.1	2	230908852	230910102	1250	lncRNA-antisense	-1.50	5.05E-03	2.82E-02
ENSG0000203963	C1orf141	1	67092165	67231853	139688	protein coding	-1.50	7.26E-03	3.60E-02
ENSG0000165194	PCDH19	X	100291644	100410273	118629	protein coding	-1.50	7.64E-05	1.64E-03
ENSG0000189056	RELN	7	103471784	103989658	517874	protein coding	-1.50	8.27E-06	3.64E-04
ENSG0000172236	TPSAB1	16	1240379	1242554	2175	protein coding	-1.50	8.21E-04	8.17E-03
ENSG0000186487	MYT1L	2	1789113	2331664	542551	protein coding	-1.50	3.28E-06	1.95E-04
ENSG0000277837	AC090340.1	18	57427133	57432112	4979	lncRNA	-1.50	4.10E-03	2.44E-02
ENSG0000223443	USP17L2	8	12137168	12139077	1909	protein coding	-1.50	1.59E-04	2.70E-03
ENSG0000231426	FILNC1	6	139677639	139860476	182837	lncRNA	-1.50	9.93E-03	4.45E-02
ENSG0000178804	H1-8	3	129543214	129551467	8253	protein coding	-1.50	2.69E-03	1.83E-02
ENSG0000282390	AL392083.1	10	1290018	1293002	2984	lncRNA-sense intronic	-1.50	4.84E-03	2.74E-02
ENSG0000187855	ASCL4	12	107774385	107776644	2259	protein coding	-1.50	7.86E-03	3.79E-02
ENSG0000263740	RN7SL4P	3	15738515	15738809	294	misc RNA	-1.50	6.24E-04	6.75E-03
ENSG0000257137	LINC02874	12	52205392	52213583	8191	lncRNA	-1.50	6.32E-03	2.66E-02
ENSG0000101938	CHRDL1	X	110673856	110795819	121963	protein coding	-1.50	1.94E-03	1.46E-02
ENSG0000124253	PCK1	20	57561080	57568121	7041	protein coding	-1.50	5.22E-04	5.98E-03
ENSG0000142549	IGLON5	19	51311848	51330354	18506	protein coding	-1.50	3.41E-03	2.15E-02

ENSG00000253314	LINC00293	8	46822174	46907309	85135	lncRNA	-1.50	8.51E-03	3.99E-02
ENSG00000185842	DNAH14	1	224896262	225399292	503030	protein coding	-1.50	3.28E-07	4.08E-05
ENSG00000135917	SLC19A3	2	227683763	227718028	34265	protein coding	-1.50	1.65E-03	1.31E-02
ENSG00000235726	AC010148.1	2	234803808	234913384	109576	lncRNA	-1.50	2.09E-04	3.26E-03
ENSG00000225249	LINC00378	13	60618991	61176758	557767	lncRNA	-1.50	6.07E-03	3.19E-02
ENSG00000078725	BRINP1	9	119153458	119369435	215977	protein coding	-1.50	3.25E-03	2.08E-02
ENSG00000107562	CXCL12	10	44370165	44386493	16328	protein coding	-1.50	8.47E-05	1.76E-03
ENSG00000101311	FERMT1	20	6074845	6123030	48185	protein coding	-1.51	6.57E-04	7.01E-03
ENSG00000124827	GCM2	6	10873223	10882041	8818	protein coding	-1.51	8.35E-03	3.95E-02
ENSG00000140481	CCDC33	15	74202705	74336472	133767	protein coding	-1.51	5.11E-05	1.24E-03
ENSG00000134853	PDGFRA	4	54229280	54298245	68965	protein coding	-1.51	9.51E-04	9.00E-03
ENSG00000178401	DNAJC22	12	49346888	49357546	10658	protein coding	-1.51	3.67E-03	2.26E-02
ENSG00000148584	A1CF	10	50799409	50885675	86266	protein coding	-1.51	1.28E-03	1.10E-02
ENSG00000179428	IL6-AS1	7	22725395	22727620	2225	lncRNA-antisense	-1.51	1.16E-02	4.95E-02
ENSG00000286193	AC025449.2	5	37249026	37252617	3591	lncRNA-antisense	-1.51	3.36E-03	2.13E-02
ENSG00000106278	PTPRZ1	7	121873089	122062036	188947	protein coding	-1.51	2.37E-03	1.68E-02
ENSG00000230453	ANKRD18B	9	33524394	33573009	48615	protein coding	-1.51	8.49E-04	8.33E-03
ENSG00000131711	MAP1B	5	72107234	72209565	102331	protein coding	-1.51	8.64E-08	1.56E-05
ENSG00000250241	AC105383.1	4	133075311	133149147	73836	lncRNA	-1.51	4.22E-03	2.49E-02
ENSG00000275540	AC011477.6	19	19740884	19750127	9243	unprocessed pseudogene	-1.51	6.57E-03	3.37E-03
ENSG00000143631	FLG	1	152302165	152325239	23074	protein coding	-1.51	1.51E-03	1.23E-02
ENSG00000286615	AC011416.4	5	127231977	127290731	58754	lncRNA	-1.51	2.44E-03	1.72E-02
ENSG00000185532	PRKG1	10	50990888	52298423	1307535	protein coding	-1.51	2.06E-04	3.24E-03
ENSG00000226835	ARHGAP29-AS1	1	94247819	94411036	163217	lncRNA	-1.51	2.48E-03	1.74E-02
ENSG00000114805	PLCH1	3	155375580	155745071	369491	protein coding	-1.51	5.41E-06	2.73E-04
ENSG00000287964	AC066590.1	3	11060973	11091548	30575	lncRNA	-1.51	8.86E-03	4.11E-02
ENSG00000165449	SLC16A9	10	59650761	59736002	85241	protein coding	-1.51	3.46E-03	2.17E-02
ENSG00000167098	SUN5	20	32983773	33004433	20660	protein coding	-1.51	1.06E-02	4.67E-02
ENSG00000134873	CLDN10	13	95433604	95579759	146155	protein coding	-1.51	5.40E-03	2.95E-02
ENSG00000256666	LINC02700	11	94638045	94652884	14839	lncRNA	-1.51	4.45E-03	2.59E-02
ENSG00000074410	CA12	15	63321378	63381846	60468	protein coding	-1.51	8.27E-05	1.73E-03
ENSG00000267943	AC010328.1	19	53007512	53013180	5668	lncRNA	-1.51	8.20E-03	3.90E-02
ENSG00000169752	NRG4	15	75935969	76059795	123826	protein coding	-1.51	2.20E-04	3.38E-03
ENSG00000102962	CCL22	16	57358783	57366189	7406	protein coding	-1.51	2.60E-03	1.79E-02
ENSG00000213853	EMP2	16	10528422	10580362	52210	protein coding	-1.51	1.84E-04	2.99E-03
ENSG00000228918	LINC01344	1	182096338	182314061	217723	lncRNA	-1.51	8.86E-04	8.58E-03
ENSG00000101098	RIMS4	20	44751808	44810546	58738	protein coding	-1.51	6.35E-04	6.83E-03
ENSG00000273032	DGCR5	22	18970439	19031242	60803	lncRNA	-1.51	8.27E-06	3.64E-04
ENSG00000167759	KLK13	19	51055626	51065114	9488	protein coding	-1.51	3.49E-03	2.19E-02
ENSG00000164904	ALDH7A1	5	126531200	126595362	64162	protein coding	-1.51	1.01E-07	1.74E-05
ENSG00000265933	LINC00668	18	6919496	6929966	10470	lncRNA	-1.51	5.04E-04	5.84E-03
ENSG00000126878	AIF1L	9	131096476	131123152	26676	protein coding	-1.51	7.94E-05	1.69E-03
ENSG00000056487	PHF21B	22	44881162	45010005	128843	protein coding	-1.51	1.71E-05	5.91E-04
ENSG00000221818	EBF2	8	25841725	26045413	203688	protein coding	-1.51	4.03E-04	5.06E-03
ENSG00000164113	ADAD1	4	122378966	122429802	50836	protein coding	-1.51	5.00E-03	2.80E-02
ENSG00000231407	GORAB-AS1	1	170460453	170532647	72194	lncRNA-antisense	-1.51	2.28E-03	1.64E-02
ENSG00000123572	NRK	X	105822539	105958610	136071	protein coding	-1.51	1.65E-03	1.31E-02
ENSG00000138675	FGF5	4	80266599	80336680	70081	protein coding	-1.51	2.40E-03	1.70E-02
ENSG00000187242	KRT12	17	40861303	40867223	5920	protein coding	-1.51	4.08E-04	5.09E-03
ENSG00000266467	RN7SL220P	10	68007718	68008017	299	misc RNA	-1.51	7.72E-04	7.83E-03
ENSG00000226051	ZNF503-AS1	10	75243568	75373500	129932	lncRNA	-1.51	1.07E-04	2.06E-03
ENSG00000262081	ILRP4	18	80140	88570	8430	unprocessed pseudogene	-1.51	1.54E-03	1.24E-02
ENSG00000264956	AC138761.1	17	22266395	22288301	21906	lncRNA	-1.51	6.08E-03	3.20E-02
ENSG00000268649	AL132655.2	20	58817132	58817725	593	lncRNA	-1.51	9.11E-03	4.18E-02
ENSG00000187323	DCC	18	52340197	53535903	1195706	protein coding	-1.51	4.33E-05	1.11E-03
ENSG00000224184	MIR381HG	2	11833926	12702913	868987	lncRNA	-1.51	4.57E-04	5.48E-03
ENSG00000253608	AC022915.2	8	48551567	48698510	146943	lncRNA-antisense	-1.52	3.21E-03	2.07E-02
ENSG00000169933	FRMPD4	X	11822423	12742523	902100	protein coding	-1.52	4.69E-04	5.57E-03
ENSG00000185467	KPNA7	7	99173574	99207506	33932	protein coding	-1.52	9.39E-03	4.27E-02
ENSG00000157219	HTR5A	7	155070324	155087392	17068	protein coding	-1.52	2.62E-03	1.80E-02
ENSG00000171877	FRMD5	15	43870761	44195271	324510	protein coding	-1.52	2.63E-04	3.81E-03
ENSG00000186190	BP1FB3	20	33055424	33073628	18204	protein coding	-1.52	4.22E-04	5.19E-03
ENSG00000134216	CHIA	1	111290851	111320566	29715	protein coding	-1.52	1.16E-02	4.95E-02
ENSG00000279852	AC083964.2	8	486117	488512	2395	TEC	-1.52	6.93E-03	3.49E-02
ENSG00000134258	VTCN1	1	117143587	117210960	67373	protein coding	-1.52	7.13E-03	3.56E-02
ENSG00000232234	AL355499.1	6	8102711	8343139	240428	lncRNA-bidirectional promoter lncRNA	-1.52	1.47E-03	1.21E-02
ENSG00000176040	TMPPRS7	3	112034843	112081269	46426	protein coding	-1.52	1.06E-02	4.64E-02
ENSG00000224481	AC245100.1	1	148295895	148344638	48743	lncRNA	-1.52	6.15E-03	3.22E-02
ENSG00000179709	NLRP8	19	55947832	55988629	40797	protein coding	-1.52	5.92E-03	3.14E-02
ENSG00000261670	AC012213.2	8	103464389	103468985	4596	lncRNA	-1.52	1.73E-03	1.35E-02
ENSG00000227392	HPN-AS1	19	35042902	35106307	63405	lncRNA-antisense	-1.52	6.95E-04	7.27E-03
ENSG00000214553	LRRC37A11P	17	39027277	39053205	25928	transcribed unprocessed pseudogene	-1.52	3.62E-04	4.68E-03
ENSG00000230710	LINC00332	13	40172505	40195361	22856	lncRNA	-1.52	1.54E-03	1.25E-02
ENSG00000150672	DLG2	11	83455012	85627922	2172910	protein coding	-1.52	1.60E-08	5.00E-06
ENSG00000126231	PROZ	13	113158648	113172386	13738	protein coding	-1.52	3.34E-04	4.45E-03
ENSG00000109991	P2RX3	11	57338352	57372396	34044	protein coding	-1.52	4.36E-05	1.11E-03
ENSG00000114757	PEX5L	3	179794958	180037053	242095	protein coding	-1.52	2.81E-04	3.98E-03
ENSG00000177992	SPATA31E1	9	87882877	87888903	6026	protein coding	-1.52	7.26E-04	7.52E-03
ENSG00000161609	KASH5	19	49388219	49417990	29771	protein coding	-1.52	5.74E-04	6.39E-03
ENSG00000086205	FOLH1	11	49145092	49208638	63546	protein coding	-1.52	1.75E-03	1.36E-02
ENSG00000258018	LINC02457	12	116482073	116521047	38974	lncRNA	-1.52	9.04E-03	4.16E-02
ENSG00000260470	AC023794.5	12	54145069	54147225	2156	lncRNA	-1.52	2.01E-03	1.50E-02
ENSG00000286125	AC006115.2	19	56669941	56823395	153454	lncRNA	-1.52	1.30E-06	1.02E-04
ENSG00000254656	RTL1	14	100879753	100903722	23969	protein coding	-1.52	4.03E-05	1.05E-03
ENSG00000179826	MIRGPRX3	11	18120955	18138480	17525	protein coding	-1.52	2.69E-03	1.83E-02
ENSG0000010379	SLC6A13	12	220621	262873	42252	protein coding	-1.52	5.69E-05	1.34E-03
ENSG00000285732	AC121334.3	12	39611819	39614648	2829	lncRNA-antisense	-1.52	6.57E-03	3.37E-02
ENSG00000173811	CCDC13-AS1	3	42732575	42746768	14193	lncRNA-antisense	-1.52	1.04E-02	4.58E-02
ENSG00000279440	AL008638.3	22	27019369	27024550	5181	lncRNA	-1.52	2.95E-03	1.95E-02
ENSG00000172519	OR10H5	19	15787661	15801025	13364	protein coding	-1.52	3.51E-03	2.19E-02

ENSG00000258947	TUBB3	16	89921392	89938761	17369	protein coding	-1.52	1.27E-03	1.09E-02
ENSG00000224717	LEMD1-DT	1	205455929	205469024	13095	lncRNA	-1.52	4.48E-03	2.60E-02
ENSG00000171532	NEUROD2	17	39603536	39609777	6241	protein coding	-1.52	3.33E-04	4.44E-03
ENSG00000228793	AL033523.1	6	3585101	3720081	134980	lncRNA	-1.52	1.65E-05	5.75E-04
ENSG00000281641	SAMD12-AS1	8	118620498	118906155	285657	lncRNA	-1.52	7.89E-03	3.80E-02
ENSG00000231881	AL109615.2	6	44058792	44089288	30496	lncRNA	-1.52	2.43E-05	7.46E-04
ENSG00000137868	STRA6	15	74179466	74212267	32801	protein coding	-1.52	1.85E-03	1.42E-02
ENSG00000254863	LINC02744	11	119987952	119995037	7085	lncRNA	-1.52	1.01E-02	4.52E-02
ENSG00000264177	AL353997.2	17	18379855	18388984	9129	lncRNA-antisense	-1.52	7.45E-03	3.66E-02
ENSG00000251151	HOXC-AS3	12	53981509	53985519	4010	lncRNA	-1.52	2.83E-03	1.90E-02
ENSG00000109576	AADAT	4	170060222	170091699	31477	protein coding	-1.52	1.74E-03	1.36E-02
ENSG00000122254	HS3ST2	16	22814162	22916338	102176	protein coding	-1.52	3.52E-04	4.60E-03
ENSG00000163618	CADPS	3	62398346	62875416	477070	protein coding	-1.52	8.79E-06	3.80E-04
ENSG00000228742	LINC02577	7	106774955	106838480	63525	lncRNA	-1.53	6.88E-03	3.47E-02
ENSG00000148602	LRIT1	10	84231520	84241546	10026	protein coding	-1.53	5.09E-03	2.83E-02
ENSG00000173641	HSPB7	1	16014028	16019594	5566	protein coding	-1.53	2.48E-03	1.74E-02
ENSG00000258754	LINC01579	15	93718542	94070898	352356	lncRNA	-1.53	2.03E-04	3.20E-03
ENSG00000115361	ACADL	2	210187126	210225447	38321	protein coding	-1.53	1.39E-03	1.16E-02
ENSG00000271013	LRRC37A9P	17	35912635	35918010	5375	processed pseudogene	-1.53	5.77E-04	6.42E-03
ENSG00000175267	VWA3A	16	22092538	22156964	64426	protein coding	-1.53	2.69E-06	2.16E-04
ENSG00000154175	ABI3BP	3	100749156	100993515	244359	protein coding	-1.53	9.35E-06	3.99E-04
ENSG00000264404	LINC02675	10	47588681	47619480	30799	lncRNA	-1.53	1.13E-02	4.86E-02
ENSG00000287879	AC114341.2	18	79959579	79963178	3599	lncRNA	-1.53	5.13E-04	5.92E-03
ENSG00000203985	LDLRAD1	1	54007298	54018186	10888	protein coding	-1.53	7.43E-03	3.65E-02
ENSG00000259921	AC022819.1	15	99157231	99161140	3909	lncRNA-sense intronic	-1.53	1.02E-03	9.40E-03
ENSG00000131914	LIN28A	1	26410817	26429728	18911	protein coding	-1.53	8.82E-03	4.10E-02
ENSG00000064042	LIMCH1	4	41359607	41700044	340437	protein coding	-1.53	7.09E-06	3.30E-04
ENSG00000095587	TLL2	10	96364608	96513926	149318	protein coding	-1.53	1.17E-06	9.50E-05
ENSG00000172538	FAM170B	10	49131154	49134021	2867	protein coding	-1.53	1.18E-03	1.03E-02
ENSG00000235597	LINC01102	2	104430130	104532747	102617	lncRNA	-1.53	1.36E-04	2.42E-03
ENSG00000286333	AC004828.2	14	72515407	72544622	29215	lncRNA	-1.53	5.82E-03	3.10E-02
ENSG00000215262	KCNU1	8	36784324	36936125	151801	protein coding	-1.53	1.09E-02	4.73E-02
ENSG00000262786	AC005224.1	17	14295512	14297600	2088	lncRNA	-1.53	3.67E-03	2.26E-02
ENSG00000287342	AC188616.1	7	329776	333172	3396	lncRNA	-1.53	7.38E-03	3.64E-02
ENSG00000128655	PDE11A	2	177623244	178072777	449533	protein coding	-1.53	2.30E-04	3.48E-03
ENSG00000287279	AL121932.2	6	28634861	28649538	14677	lncRNA	-1.53	3.02E-03	1.98E-02
ENSG00000146038	DDDC2	6	24171755	24358059	186304	protein coding	-1.53	4.41E-03	2.57E-02
ENSG00000173227	SYT12	11	67006778	67050863	44085	protein coding	-1.53	9.17E-04	8.78E-03
ENSG00000286418	AC018716.2	11	45397590	45412745	15155	lncRNA	-1.53	3.19E-03	2.06E-02
ENSG00000185792	NLRP9	19	55708438	55738402	29964	protein coding	-1.53	2.73E-03	1.86E-02
ENSG00000155511	GRIA1	5	153489615	153813869	324254	protein coding	-1.53	4.22E-04	5.19E-03
ENSG00000261795	AC093627.7	7	161765	164972	3207	lncRNA	-1.53	7.51E-04	7.67E-03
ENSG00000204711	C9orf135	9	69820817	69906227	85410	protein coding	-1.53	1.04E-02	4.60E-02
ENSG00000235288	AC099329.1	3	42785087	42852428	67341	lncRNA-antisense	-1.53	7.16E-04	7.45E-03
ENSG00000246740	PLA2G4E-AS1	15	41972763	41999094	26331	lncRNA-antisense	-1.53	3.38E-03	2.14E-02
ENSG00000154080	CHST9	18	26906481	27185308	278827	protein coding	-1.53	1.25E-04	2.29E-03
ENSG00000114115	RBP1	3	139517434	139539829	22395	protein coding	-1.53	1.16E-03	1.02E-02
ENSG00000279548	AL022323.4	22	25022594	25024652	2058	lncRNA-antisense	-1.53	8.68E-03	4.05E-02
ENSG00000189375	TBC1D28	17	18634247	18644427	10180	protein coding	-1.53	5.91E-04	6.52E-03
ENSG00000256292	LINC02376	12	127274265	127284328	10063	lncRNA	-1.53	8.21E-03	3.90E-02
ENSG00000280078	AC016526.3	14	76279173	76283103	3930	TEC	-1.53	6.01E-04	6.60E-03
ENSG00000286310	AC008443.6	5	181276848	181277555	707	lncRNA	-1.53	1.12E-02	4.83E-02
ENSG00000249669	CARMN	5	149406689	149432835	26146	lncRNA	-1.53	4.46E-05	1.12E-03
ENSG00000205976	AC091951.1	5	7299774	7306592	6818	unprocessed pseudogene	-1.53	4.48E-03	2.60E-02
ENSG00000100320	RBOX2	22	35738736	36028824	290088	protein coding	-1.53	8.16E-07	7.56E-05
ENSG00000151276	MAG1	3	65353525	66038834	685309	protein coding	-1.54	4.36E-07	4.84E-05
ENSG0000041982	TNC	9	115019575	115118257	98682	protein coding	-1.54	1.22E-04	2.84E-03
ENSG00000053747	LAMA3	18	23689453	23956222	266769	protein coding	-1.54	2.09E-07	3.01E-05
ENSG00000172320	OR5A1	11	59436469	59451380	14911	protein coding	-1.54	4.58E-03	2.64E-02
ENSG00000148482	SLC39A12	10	17951839	18043292	91453	protein coding	-1.54	3.94E-03	2.37E-02
ENSG00000248441	LINC01197	15	95186634	95327129	140495	lncRNA	-1.54	8.69E-05	1.79E-03
ENSG00000171560	FGA	4	154583128	154590745	7617	protein coding	-1.54	8.53E-03	4.00E-02
ENSG00000246379	AC040168.1	16	55984009	56191118	207109	lncRNA	-1.54	2.39E-05	7.36E-04
ENSG00000250770	AC005865.1	12	3296202	3366122	69920	transcribed unprocessed pseudogene	-1.54	1.09E-03	9.82E-03
ENSG00000227954	TARID	6	133502252	133892802	390550	lncRNA-antisense	-1.54	7.58E-04	7.72E-03
ENSG00000287346	AL132712.2	14	103873148	103880381	7233	lncRNA	-1.54	1.93E-05	6.40E-04
ENSG00000170689	HOXB9	17	48621156	48626358	5202	protein coding	-1.54	3.91E-03	2.36E-02
ENSG00000242147	LASTR	10	5594984	5632566	37582	lncRNA	-1.54	1.92E-03	1.45E-02
ENSG00000178094	HTR3C	3	184053047	184060673	7626	protein coding	-1.54	5.72E-03	3.07E-02
ENSG00000287485	AL451166.1	6	47374561	47397398	22837	lncRNA	-1.54	1.10E-02	4.78E-02
ENSG00000270112	AC090241.2	18	46756487	46802449	45962	lncRNA	-1.54	2.34E-06	1.55E-04
ENSG00000225564	LINC01492	9	103140523	103325034	184511	lncRNA	-1.54	1.11E-02	4.81E-02
ENSG00000159239	AC005041.1	2	74393836	74421662	27826	protein coding	-1.54	6.75E-03	3.43E-02
ENSG00000186832	KRT16	17	41609778	41615899	6121	protein coding	-1.54	6.32E-04	6.81E-03
ENSG00000233395	LINC00841	10	43909244	43981102	71858	lncRNA	-1.54	5.41E-04	6.13E-03
ENSG00000186335	SLC36A2	5	151314972	151347590	32618	protein coding	-1.54	2.36E-03	1.68E-02
ENSG00000130307	USHBP1	19	17249171	17282786	33615	protein coding	-1.54	1.83E-03	1.41E-02
ENSG00000267014	LINC01532	19	29002319	29015160	12841	lncRNA	-1.54	2.66E-03	1.82E-02
ENSG00000265798	AC138207.6	17	31038575	31059121	20546	transcribed unprocessed pseudogene	-1.54	2.00E-03	1.50E-02
ENSG00000221986	MYBPHL	1	109292365	109307011	14646	protein coding	-1.54	7.72E-03	3.74E-02
ENSG00000111241	FGF6	12	4428155	4445614	17459	protein coding	-1.54	9.84E-03	4.42E-02
ENSG00000175697	GPR156	3	120164645	120285222	120577	protein coding	-1.54	8.36E-04	8.26E-03
ENSG00000109794	FAM149A	4	186104419	186172667	68248	protein coding	-1.54	5.84E-05	1.36E-03
ENSG00000265813	RN7SL300P	3	153199700	153200017	317	misc RNA	-1.54	3.93E-03	2.36E-02
ENSG00000166159	LRTM2	12	1820267	1836753	16486	protein coding	-1.54	2.13E-04	3.30E-03
ENSG00000249328	AC036214.1	8	79769372	79871759	102387	lncRNA	-1.54	4.12E-03	2.45E-02
ENSG00000237614	AC073257.2	2	120542905	120545249	2344	lncRNA	-1.54	1.09E-02	4.75E-02
ENSG00000159708	LRRC36	16	67326798	67385204	58406	protein coding	-1.54	1.56E-05	5.60E-04
ENSG00000170745	KCNK3	2	17877847	18361616	483769	protein coding	-1.54	7.03E-03	3.52E-02
ENSG00000261231	LINC02133	16	47724568	47908431	183863	lncRNA	-1.54	9.25E-03	4.23E-02

ENSG00000284512	AC092718.8	16	81022316	81096284	73968	protein coding	-1.54	1.02E-02	4.55E-02
ENSG00000230561	CCDC192	5	127703389	127941634	238245	protein coding	-1.54	4.57E-03	2.64E-02
ENSG00000211452	DIO1	1	53891239	53911086	19847	protein coding	-1.54	3.61E-03	2.24E-02
ENSG00000144810	COL8A1	3	99638475	99799226	160751	protein coding	-1.54	1.92E-03	1.45E-02
ENSG00000236155	ZPLD2P	1	26209741	26229840	20099	transcribed unprocessed pseudogene	-1.55	5.00E-04	5.82E-03
ENSG00000283128	AC009403.2	7	155474256	155644406	170150	lncRNA	-1.55	5.54E-04	6.24E-03
ENSG00000186889	TMEM17	2	62500218	62511894	11676	protein coding	-1.55	6.25E-04	6.75E-03
ENSG00000134812	CBL1F	11	59829273	59845499	16226	protein coding	-1.55	5.41E-03	2.95E-02
ENSG00000226237	GAS1RR	9	86948666	87002033	53367	lncRNA	-1.55	4.62E-04	5.52E-03
ENSG00000186377	CYP4X1	1	47023669	47050751	27082	protein coding	-1.55	2.54E-03	1.76E-02
ENSG00000007384	RHBDF1	16	58059	76355	18296	protein coding	-1.55	4.35E-05	1.11E-03
ENSG00000166922	SCG5	15	32641676	32697098	55422	protein coding	-1.55	2.13E-04	3.30E-03
ENSG00000232613	LINC02576	2	65030727	65053017	22290	lncRNA-antisense	-1.55	2.84E-03	1.90E-02
ENSG00000235271	Z97353.2	22	26903292	26920935	17643	lncRNA	-1.55	2.46E-03	1.72E-02
ENSG00000281741	AC241377.3	1	120913151	120914238	1087	TEC	-1.55	3.42E-04	4.52E-03
ENSG00000223390	AL445685.1	1	52033391	52044279	10888	lncRNA-antisense	-1.55	2.59E-03	1.79E-02
ENSG00000129744	ART1	11	3645128	3664416	19288	protein coding	-1.55	5.87E-04	6.49E-03
ENSG00000046604	DSG2	18	31498177	31549008	50831	protein coding	-1.55	7.20E-04	7.48E-03
ENSG00000253394	LINC00534	8	90221341	90687863	466522	lncRNA	-1.55	8.43E-06	3.69E-04
ENSG00000196090	PTPRT	20	42072752	43189970	1117218	protein coding	-1.55	1.64E-05	5.73E-04
ENSG00000267251	AC139100.1	18	80183680	80202992	19312	lncRNA-antisense	-1.55	6.75E-03	3.43E-02
ENSG00000183715	OPCML	11	132414977	133532519	1117542	protein coding	-1.55	4.91E-04	5.74E-03
ENSG00000229536	LINC02572	2	129825126	129877664	52538	lncRNA	-1.55	1.55E-04	2.65E-03
ENSG00000278570	NR2E3	15	71792638	71818259	25621	protein coding	-1.55	4.12E-04	5.12E-03
ENSG00000287600	AC122719.3	5	904319	912587	8268	lncRNA	-1.55	2.30E-03	1.64E-02
ENSG00000232520	CGSIR	2	230886474	230904693	18219	lncRNA-antisense	-1.55	9.47E-04	8.97E-03
ENSG00000235478	LINC01664	22	17121560	17132104	10544	lncRNA	-1.55	1.05E-03	9.62E-03
ENSG00000144852	NR112	3	119780484	119818485	38001	protein coding	-1.55	1.10E-04	2.10E-03
ENSG00000183230	CTNNA3	10	65912523	67696195	1783672	protein coding	-1.55	4.95E-04	5.77E-03
ENSG00000166173	LARP6	15	70829130	70854157	25027	protein coding	-1.55	7.57E-05	1.64E-03
ENSG00000144290	SLC4A10	2	161424332	161985282	560950	protein coding	-1.55	2.67E-06	1.69E-04
ENSG00000140873	ADAMTSL3	16	77247813	77443504	187221	protein coding	-1.55	5.75E-05	1.35E-03
ENSG00000260737	LINC01227	16	80553256	80572808	19552	lncRNA	-1.55	5.69E-03	3.06E-02
ENSG00000185294	SPPL2C	17	45844881	45847067	2186	protein coding	-1.55	5.01E-03	2.80E-02
ENSG00000286032	FP236383.6	21	8465254	8465886	332	TEC	-1.55	1.11E-02	4.80E-02
ENSG00000259347	AC087482.1	15	66984103	67065268	81165	lncRNA-antisense	-1.55	8.45E-04	8.32E-03
ENSG00000124143	ARHGAP40	20	38601934	38651035	49101	protein coding	-1.55	1.75E-03	1.36E-02
ENSG00000280639	LINC02204	15	70570958	70586606	15648	lncRNA	-1.55	6.56E-03	3.37E-02
ENSG00000284601	AL590440.2	1	54974900	54980464	5564	lncRNA-bidirectional promoter lncRNA	-1.55	5.98E-03	3.16E-02
ENSG00000122133	PAEP	9	135561756	135566955	5199	protein coding	-1.55	8.57E-04	8.39E-03
ENSG00000147082	CCNB3	X	50202713	50351914	149201	protein coding	-1.55	5.43E-05	1.30E-03
ENSG00000056998	GYG2	X	2828822	2828220	53998	protein coding	-1.55	2.67E-03	1.82E-02
ENSG00000260034	LCMT1-AS2	16	25140577	25149032	8455	lncRNA-antisense	-1.55	8.72E-05	1.79E-03
ENSG00000226145	KRT16P6	17	16817983	16822579	4596	transcribed unprocessed pseudogene	-1.55	4.35E-03	2.55E-02
ENSG00000223949	ROR1-AS1	1	64094379	64117342	76963	lncRNA-antisense	-1.55	6.25E-04	6.75E-03
ENSG00000165633	VSTM4	10	49014236	49115522	101286	protein coding	-1.55	4.44E-04	5.38E-03
ENSG00000286364	AL512308.1	6	453391	477829	24438	lncRNA	-1.55	1.05E-02	4.64E-02
ENSG00000086159	AQP6	12	49967194	49977139	9945	protein coding	-1.55	8.23E-04	8.18E-03
ENSG00000254211	LINC01485	5	173778527	173809039	30512	lncRNA	-1.55	4.49E-04	5.42E-03
ENSG00000242866	STRC	15	43599563	43618800	19237	protein coding	-1.55	4.89E-03	2.76E-02
ENSG00000267714	AC008738.4	19	33217817	33222355	4538	lncRNA-antisense	-1.55	3.02E-03	1.98E-02
ENSG00000103832	GOLGA8UP	15	30791573	30801859	10286	unprocessed pseudogene	-1.55	1.08E-03	9.76E-03
ENSG00000261842	AC073314.1	7	149422675	149424890	2215	lncRNA	-1.55	7.17E-03	3.57E-02
ENSG00000145626	UGT3A1	5	35951006	36001028	50022	protein coding	-1.55	7.64E-04	7.78E-03
ENSG00000163354	DCST2	1	155018520	155033781	15261	protein coding	-1.55	2.69E-05	7.93E-04
ENSG00000171496	OR1L8	9	122567117	122583384	16287	protein coding	-1.56	3.54E-03	2.21E-02
ENSG00000204518	AADACL4	1	12644547	12667086	22539	protein coding	-1.56	6.69E-03	3.41E-02
ENSG00000111218	PRMT8	12	3381349	3393973	212624	protein coding	-1.56	2.71E-05	7.97E-04
ENSG00000133958	UNC79	14	93333219	93707876	374657	protein coding	-1.56	1.10E-06	9.16E-05
ENSG00000175318	GRAMD2A	15	72159806	72197787	37981	protein coding	-1.56	1.71E-05	5.91E-04
ENSG00000186442	KRT3	12	52789685	52796117	6432	protein coding	-1.56	1.03E-03	9.50E-03
ENSG00000169064	ZBBX	3	167239843	167407874	168031	protein coding	-1.56	5.09E-03	2.83E-02
ENSG00000110675	ELMOD1	11	107591091	107666779	75688	protein coding	-1.56	1.69E-03	1.33E-02
ENSG00000166866	MYO1A	12	57028517	57051198	22681	protein coding	-1.56	1.11E-05	4.47E-04
ENSG00000182035	ADIG	20	38581195	38588463	7268	protein coding	-1.56	2.98E-03	1.97E-02
ENSG00000127241	MASP1	3	187217282	187291980	74698	protein coding	-1.56	3.44E-05	9.43E-04
ENSG00000135824	RGS8	1	182641816	182684576	42760	protein coding	-1.56	1.25E-04	2.29E-03
ENSG00000154096	THY1	11	119415476	119424985	9509	protein coding	-1.56	1.73E-04	2.87E-03
ENSG00000187715	KBTBD12	3	127915232	127987671	72439	protein coding	-1.56	6.37E-04	6.85E-03
ENSG00000286572	AL592146.2	1	204064533	204073965	9432	lncRNA	-1.56	1.35E-03	1.14E-02
ENSG00000234899	SOX9-AS1	17	72067099	72237203	170104	lncRNA	-1.56	8.64E-06	3.76E-04
ENSG00000141052	MYOCD	17	12665890	12768499	103059	protein coding	-1.56	5.52E-04	6.23E-03
ENSG00000181264	TLCD5	11	120325296	120333686	8390	protein coding	-1.56	3.00E-03	1.98E-02
ENSG00000167964	RAB26	16	2140803	2154165	13362	protein coding	-1.56	1.80E-03	1.39E-02
ENSG00000287088	AP001066.1	21	44530172	44533145	2973	lncRNA	-1.56	3.67E-03	2.26E-02
ENSG00000244752	CRYBB2	22	25212564	25231870	19306	protein coding	-1.56	4.05E-03	2.41E-02
ENSG00000287041	AC079354.2	2	202137570	202149627	12057	lncRNA	-1.56	5.71E-03	3.06E-02
ENSG00000137821	LRRC49	15	70853239	71053658	200419	protein coding	-1.56	3.74E-05	1.00E-03
ENSG00000166984	TCP10L2	6	167146414	167196913	50499	protein coding	-1.56	5.18E-04	5.96E-03
ENSG00000288107	AL731769.2	10	133565797	133629507	63710	lncRNA	-1.56	9.96E-06	4.13E-04
ENSG00000148053	NTRK2	9	84668551	85027054	358503	protein coding	-1.56	1.79E-06	1.32E-04
ENSG00000242950	ERVW-1	7	92468380	92477986	9606	protein coding	-1.56	3.49E-04	4.56E-03
ENSG00000265043	AC068418.2	17	21456513	21460215	3702	lncRNA	-1.56	6.61E-03	3.38E-02
ENSG00000063438	AHRH	5	3217559	348291	116532	protein coding	-1.56	6.34E-05	1.44E-03
ENSG00000156218	ADAMTSL3	15	83654088	84039842	385754	protein coding	-1.56	1.87E-06	1.35E-04
ENSG00000187537	POTEG	14	19402486	19434341	31855	protein coding	-1.56	3.52E-03	2.20E-02
ENSG00000230863	AL137803.1	1	75641178	75724049	82871	transcribed processed pseudogene	-1.56	4.51E-03	2.61E-02
ENSG00000143001	TMEM61	1	54980628	54992288	11660	protein coding	-1.56	6.98E-03	3.50E-02
ENSG00000152661	GJA1	6	121435595	121449727	14132	protein coding	-1.56	8.14E-03	3.88E-02
ENSG00000240086	AC092969.1	3	135138469	135439888	301419	lncRNA-antisense	-1.56	1.88E-05	6.30E-04

ENSG0000036828	CASR	3	122183668	122291629	107961	protein coding	-1.56	1.50E-05	5.47E-04
ENSG00000228212	OFD1P17	5	37209364	37212381	3017	processed pseudogene	-1.56	2.60E-03	1.79E-02
ENSG00000230417	LINC00595	10	78179185	78551355	372170	lncRNA	-1.56	6.18E-07	6.31E-05
ENSG00000231095	GYG1P3	1	55222379	55223372	993	processed pseudogene	-1.56	1.10E-02	4.78E-02
ENSG00000248599	FLJ42969	8	101034868	101076407	41539	lncRNA	-1.56	4.51E-03	2.61E-02
ENSG00000203690	TCP10L3	6	167357033	167384510	27477	transcribed unprocessed pseudogene	-1.56	5.72E-04	6.38E-03
ENSG0000074317	SNCB	5	176620082	176630556	10474	protein coding	-1.56	7.32E-03	3.62E-02
ENSG00000142515	KLK3	19	50854915	50860764	5849	protein coding	-1.56	6.05E-04	6.61E-03
ENSG00000137204	SLC22A7	6	43295694	43305538	9844	protein coding	-1.56	2.64E-04	3.83E-03
ENSG00000205634	LINC00898	22	47612231	47631569	19338	lncRNA	-1.56	2.68E-04	3.86E-03
ENSG00000287306	AC016821.1	10	69510166	69544257	34091	lncRNA	-1.56	8.85E-04	8.57E-03
ENSG00000260213	AC092718.2	16	81016792	81035759	18967	lncRNA-antisense	-1.56	7.11E-03	3.55E-02
ENSG00000283959	AP002851.1	8	102656464	102687118	30654	lncRNA-bidirectional promoter lncRNA	-1.56	7.78E-04	7.87E-03
ENSG00000285707	AL008720.1	22	48254903	48259116	4213	lncRNA	-1.56	2.35E-03	1.67E-02
ENSG00000169717	ACTRT2	1	3021467	3022903	1436	protein coding	-1.56	3.06E-03	2.00E-02
ENSG00000154493	C10orf90	10	126424997	126798708	373711	protein coding	-1.56	2.31E-05	7.21E-04
ENSG00000087494	PTH1H	12	27958084	27972733	14649	protein coding	-1.56	2.27E-03	1.63E-02
ENSG00000236109	AC013402.3	2	104583138	104621767	38629	lncRNA	-1.56	8.36E-03	3.95E-02
ENSG00000151388	ADAMTS12	5	33523535	33892019	368484	protein coding	-1.56	3.44E-04	4.53E-03
ENSG00000203930	LINC00632	X	140709562	140793215	83653	lncRNA-antisense	-1.56	3.35E-07	4.11E-05
ENSG00000130612	CYP2G1P	19	40890826	40912357	21531	transcribed unprocessed pseudogene	-1.56	2.82E-03	1.90E-02
ENSG00000257817	AC026765.3	12	114682292	114767989	85697	lncRNA	-1.56	6.42E-04	6.89E-03
ENSG00000173976	RAX2	19	3769089	3772228	3139	protein coding	-1.56	7.94E-03	3.82E-02
ENSG00000196632	WNK3	X	54192823	54358642	165819	protein coding	-1.56	5.38E-06	2.73E-04
ENSG00000234170	LINC02645	10	2368561	2502200	133639	lncRNA	-1.56	5.86E-04	6.48E-03
ENSG00000259234	ANKRD34C-AS1	15	79141939	79283949	142010	lncRNA	-1.56	3.54E-04	4.61E-03
ENSG00000109846	CRYAB	11	111908564	111923722	15158	protein coding	-1.57	1.42E-03	1.18E-02
ENSG00000179676	LINC00305	18	64079989	64149088	69099	lncRNA	-1.57	7.18E-03	3.57E-02
ENSG00000236975	LINC02811.4	1	229087114	229205428	118314	lncRNA	-1.57	1.16E-03	1.02E-02
ENSG00000186603	HPDL	1	45326895	45328679	1784	protein coding	-1.57	1.91E-04	3.07E-03
ENSG00000256955	AC131009.2	12	131857420	131864538	7118	lncRNA	-1.57	5.47E-03	2.98E-02
ENSG00000227036	LINC00511	17	72290091	72640472	350381	lncRNA	-1.57	8.41E-08	1.52E-05
ENSG00000153002	CPB1	3	148791102	148860187	69085	protein coding	-1.57	8.47E-03	3.98E-02
ENSG00000143006	DMRTB1	1	53459399	53467488	8089	protein coding	-1.57	4.80E-04	5.66E-03
ENSG00000067177	PKHA1	X	72578814	72714319	135505	protein coding	-1.57	1.56E-04	2.66E-03
ENSG00000255931	AP003108.1	11	61496440	61506640	10209	lncRNA	-1.57	5.76E-03	3.08E-02
ENSG00000223403	MEG9	14	101068283	101072937	4654	lncRNA	-1.57	5.64E-04	6.31E-03
ENSG00000259354	AC025580.2	15	45448427	45513767	65340	lncRNA-antisense	-1.57	7.51E-03	3.68E-02
ENSG00000249647	C5orf66-AS2	5	135236234	135248179	11945	lncRNA	-1.57	7.30E-03	3.61E-02
ENSG00000214324	C3orf56	3	127193131	127198185	5054	protein coding	-1.57	2.49E-03	1.74E-02
ENSG00000268926	AL354861.3	9	95772323	95776282	3959	lncRNA	-1.57	2.25E-03	1.63E-02
ENSG00000215018	COL28A1	7	7356203	7355873	179670	protein coding	-1.57	2.95E-04	4.11E-03
ENSG00000280334	AC009084.2	16	67006672	67009481	2809	TEC	-1.57	5.29E-03	2.91E-02
ENSG00000285758	AC036214.4	8	79891553	79930892	39339	lncRNA-antisense	-1.57	1.03E-02	4.56E-02
ENSG00000132932	ATP8A2	13	25371974	26025851	653877	protein coding	-1.57	1.85E-09	1.03E-06
ENSG00000142224	IL19	1	206770764	206842979	72215	protein coding	-1.57	6.73E-04	7.11E-03
ENSG00000120332	TNN	1	175067833	175148075	80242	protein coding	-1.57	1.25E-03	1.08E-02
ENSG00000189221	MAOA	X	43654907	43746824	91917	protein coding	-1.57	1.54E-06	1.17E-04
ENSG00000142910	TINAGL1	1	31576485	31587686	11201	protein coding	-1.57	4.05E-04	5.07E-03
ENSG00000242686	PDE6B-AS1	4	652850	656213	3363	lncRNA-antisense	-1.57	2.99E-04	4.14E-03
ENSG00000177993	ZNRF3-AS1	22	29024999	29031476	6477	lncRNA-antisense	-1.57	6.09E-03	3.20E-02
ENSG00000175344	CHRNA7	15	31923438	32173018	249580	protein coding	-1.57	2.00E-05	6.54E-04
ENSG00000224582	LINC01015	6	29528721	29533665	4944	lncRNA	-1.57	8.59E-05	1.78E-03
ENSG00000147206	NXF3	X	103075810	103093143	17333	protein coding	-1.57	9.92E-04	9.26E-03
ENSG00000226627	SHANK2-AS1	11	70626441	70635658	9217	lncRNA-antisense	-1.57	6.39E-04	6.86E-03
ENSG00000279273	AC120024.4	17	80463451	80465593	2142	TEC	-1.57	9.13E-03	4.19E-02
ENSG00000286785	LINC01622	6	958323	110400	143077	lncRNA	-1.57	9.18E-04	8.78E-03
ENSG00000122787	AKR1D1	7	138002324	138118305	115981	protein coding	-1.57	1.17E-03	1.03E-02
ENSG00000243649	CFB	6	31945650	31952084	6434	protein coding	-1.57	4.20E-03	2.48E-02
ENSG00000286869	AC022276.1	12	13238582	13278376	39794	lncRNA	-1.57	1.12E-02	4.84E-02
ENSG00000165973	NELL1	11	20669551	21575686	906135	protein coding	-1.57	1.38E-03	1.15E-02
ENSG00000234949	AC104667.2	2	237591020	237595981	4961	lncRNA-antisense	-1.57	1.13E-02	4.86E-02
ENSG00000259345	AC013652.1	15	38865322	39427195	561873	lncRNA	-1.57	1.42E-05	5.31E-04
ENSG00000203943	SAMD13	1	84298366	84389957	91591	protein coding	-1.57	9.97E-03	4.46E-02
ENSG00000261839	AL358933.1	6	28136849	28139678	2829	lncRNA	-1.57	1.11E-03	9.97E-03
ENSG00000235881	AC114776.1	2	110709575	110716595	7020	lncRNA	-1.57	1.17E-02	4.99E-02
ENSG00000129028	THAP10	15	70881342	70892433	11091	protein coding	-1.57	5.99E-03	3.17E-02
ENSG00000176641	RNF152	18	61808067	61894247	86180	protein coding	-1.57	3.42E-07	4.16E-05
ENSG00000161940	BCL6B	17	7023050	7030290	7240	protein coding	-1.58	4.87E-04	5.72E-03
ENSG00000249906	AC006487.1	17	49505657	49574064	68407	lncRNA-antisense	-1.58	9.44E-03	4.29E-02
ENSG00000102287	GABRE	X	151953124	151974680	21556	protein coding	-1.58	4.52E-06	2.39E-04
ENSG00000288541	AL353732.2	9	21410969	21422960	11991	lncRNA	-1.58	3.78E-04	4.83E-03
ENSG00000241472	PTPRG-AS1	3	62221249	62369406	148157	lncRNA	-1.58	3.35E-04	4.45E-03
ENSG00000079112	CDH17	8	94127162	94217303	90141	protein coding	-1.58	1.37E-04	2.44E-03
ENSG00000228021	AL158835.1	10	125683229	125709677	26448	lncRNA	-1.58	5.55E-04	6.24E-03
ENSG00000137699	TRIM29	11	120111286	120185529	74243	protein coding	-1.58	2.67E-04	3.85E-03
ENSG00000271086	NAMA	9	99355337	99377240	21903	lncRNA	-1.58	1.34E-04	2.39E-03
ENSG00000168306	ACOX2	3	58505136	58537283	32147	protein coding	-1.58	8.67E-05	1.79E-03
ENSG00000235241	BX284668.4	1	16889095	16889602	507	processed pseudogene	-1.58	1.07E-03	9.73E-03
ENSG00000188859	FAM78B	1	166057426	166167001	109575	protein coding	-1.58	7.05E-05	1.56E-03
ENSG00000229586	TNPO1P3	17	20481330	20483991	2661	processed pseudogene	-1.58	9.39E-04	8.92E-03
ENSG00000106852	LHX6	9	122202577	122229626	27049	protein coding	-1.58	2.74E-04	3.91E-03
ENSG00000279628	AC131280.1	15	20658900	20664970	6070	TEC	-1.58	1.48E-04	2.56E-03
ENSG00000125046	SSUH2	3	8619400	8745040	125640	protein coding	-1.58	2.44E-04	3.63E-04
ENSG00000006047	YBX2	17	7288263	7294639	6376	protein coding	-1.58	1.09E-03	9.83E-03
ENSG00000197616	MYH6	14	23381982	23408273	26291	protein coding	-1.58	6.20E-05	1.42E-03
ENSG00000233783	AP001442.1	21	25928754	25952614	23860	lncRNA	-1.58	1.51E-03	1.23E-02
ENSG00000270792	AL050403.2	20	10672695	10994924	322229	lncRNA-antisense	-1.58	2.38E-03	1.69E-02
ENSG00000101871	MID1	X	10445310	10833654	388344	protein coding	-1.58	2.08E-05	6.71E-04
ENSG00000130707	ASS1	9	130444961	130501274	56313	protein coding	-1.58	1.39E-04	2.45E-03

ENSG00000287677	AC025839.1	8	141581658	141662209	80551	lncRNA	-1.58	3.45E-05	9.45E-04
ENSG00000237515	SHISA9	16	12901598	13204016	338818	protein coding	-1.58	5.31E-04	6.06E-03
ENSG00000255537	AP000708.1	11	125495214	125499528	4314	lncRNA-bidirectional promoter lncRNA	-1.58	2.28E-03	1.64E-02
ENSG00000147614	ATP6V0D2	8	85987323	86154225	166902	protein coding	-1.58	9.01E-03	4.15E-02
ENSG00000185518	SV2B	15	91099950	91302565	202615	protein coding	-1.58	3.20E-05	8.91E-04
ENSG00000188316	ENO4	10	116849499	116911788	62289	protein coding	-1.58	2.00E-03	1.50E-02
ENSG00000261177	AC135012.1	16	86081409	86089526	8117	lncRNA	-1.58	6.15E-05	1.41E-03
ENSG00000125850	OVOL2	20	17956979	18059188	102209	protein coding	-1.58	1.27E-03	1.09E-02
ENSG00000249635	AC109361.1	4	106003317	106022478	19161	lncRNA-antisense	-1.58	4.61E-03	2.64E-02
ENSG00000170419	VSTM2A	7	54542325	54571080	28755	protein coding	-1.58	2.51E-04	3.69E-03
ENSG00000187166	H1-7	12	48328980	48330279	1299	protein coding	-1.58	7.61E-03	3.71E-02
ENSG00000272405	AL365181.3	1	156641666	156644887	3221	lncRNA-antisense	-1.58	1.27E-03	1.09E-02
ENSG00000092054	MYH7	14	23412740	23435660	22920	protein coding	-1.58	9.67E-05	1.94E-03
ENSG00000107518	ATRNL1	10	115093365	115948999	855634	protein coding	-1.58	6.14E-04	6.69E-03
ENSG00000165899	OTOGL	12	80099537	80380879	281342	protein coding	-1.58	3.40E-05	9.37E-04
ENSG00000253633	AP002852.1	8	102528740	102539943	11203	lncRNA	-1.58	5.51E-03	2.99E-02
ENSG00000124818	OPN5	6	47781892	47832780	50798	protein coding	-1.58	3.95E-03	2.37E-02
ENSG00000126218	F10	13	113122799	113149529	26730	protein coding	-1.58	4.18E-04	5.16E-03
ENSG00000226631	SLC9A3P3	10	50025135	50027363	2228	processed pseudogene	-1.58	3.34E-03	2.12E-02
ENSG00000119913	TECTB	10	112283400	112305038	21638	protein coding	-1.58	1.06E-02	4.66E-02
ENSG00000163689	CFAP20DC	3	58717365	59050084	332719	protein coding	-1.58	4.17E-05	1.08E-03
ENSG00000156150	ALX3	1	110059870	110070672	10802	protein coding	-1.58	1.76E-03	1.36E-02
ENSG00000176771	NCKAP5	2	132671788	133568463	896675	protein coding	-1.58	1.04E-05	4.25E-04
ENSG00000246863	GPR176-DT	15	39921042	39925880	4838	lncRNA	-1.58	9.13E-04	8.74E-03
ENSG00000168367	LINC00917	16	86331632	86349688	18056	lncRNA	-1.58	7.37E-04	7.58E-03
ENSG00000248994	AC124852.1	5	1931064	2119926	188862	lncRNA	-1.58	2.90E-04	4.06E-03
ENSG00000262188	LINC01978	17	79919357	79925999	6642	lncRNA	-1.58	2.29E-03	1.64E-02
ENSG00000084628	NKAIN1	1	31179745	31239887	60142	protein coding	-1.58	5.66E-04	6.33E-03
ENSG00000273374	AC069222.1	3	99802699	99806058	3359	lncRNA	-1.58	2.84E-03	1.90E-02
ENSG00000250979	AC022905.1	8	72202751	72251565	48814	unprocessed pseudogene	-1.58	6.68E-04	7.07E-03
ENSG00000135931	ARMC9	2	231198546	231376848	178302	protein coding	-1.58	9.59E-07	8.28E-05
ENSG00000250848	AC021087.2	5	288833	290321	1488	processed pseudogene	-1.58	5.45E-03	2.97E-02
ENSG00000274317	LINC02334	13	37934298	38066444	132146	lncRNA	-1.58	1.68E-03	1.32E-02
ENSG00000287326	AL589787.1	10	126425930	126460957	35027	lncRNA	-1.58	4.22E-04	5.19E-03
ENSG00000229672	AL450322.2	10	3748966	3763712	14746	lncRNA-antisense	-1.58	5.06E-03	2.82E-02
ENSG00000264269	AC016866.1	18	49023703	49048474	24771	lncRNA-antisense	-1.58	2.65E-03	1.82E-02
ENSG00000162733	DDR2	1	162631373	162787405	156032	protein coding	-1.58	1.44E-07	2.30E-05
ENSG00000165695	AK8	9	132725578	132878777	153199	protein coding	-1.59	4.26E-06	2.31E-04
ENSG00000267443	AC010641.1	19	397589	399173	1584	lncRNA	-1.59	8.69E-03	4.05E-02
ENSG00000257403	AC008740.1	16	21347139	21352138	4999	unprocessed pseudogene	-1.59	5.54E-03	3.00E-02
ENSG00000283403	AC005394.2	19	28435388	28727680	292292	lncRNA	-1.59	9.36E-04	8.90E-03
ENSG00000090512	FETUB	3	186635969	186653141	17172	protein coding	-1.59	4.00E-03	2.39E-02
ENSG00000263745	AP005230.1	18	1883524	2489426	605902	lncRNA	-1.59	5.60E-04	6.28E-03
ENSG00000172458	IL17D	13	20702127	20723098	20971	protein coding	-1.59	3.16E-04	4.29E-03
ENSG00000117154	IGSF21	1	18107798	18378483	270685	protein coding	-1.59	2.74E-04	3.92E-03
ENSG00000259611	LINC01582	15	98081993	98103761	21768	lncRNA	-1.59	9.33E-03	4.25E-02
ENSG00000230400	LINC01747	20	22668480	22685344	16864	lncRNA	-1.59	3.81E-03	2.32E-02
ENSG00000147257	GPC3	X	133535745	133985594	449849	protein coding	-1.59	1.37E-03	1.15E-02
ENSG00000164756	SLC30A8	8	116950273	117176714	226441	protein coding	-1.59	1.28E-03	1.10E-02
ENSG00000286757	AL137139.2	13	99841879	99957167	115288	lncRNA	-1.59	1.90E-06	1.36E-04
ENSG00000232732	AC097717.1	2	199867396	199911159	43763	lncRNA	-1.59	8.41E-05	1.75E-03
ENSG00000230246	SPAT A31C1	9	87914493	87923505	9012	transcribed unprocessed pseudogene	-1.59	5.82E-04	6.45E-03
ENSG00000172478	MAB21L4	2	240886048	240896889	10841	protein coding	-1.59	6.36E-04	6.84E-03
ENSG00000279796	AL133384.2	10	114424445	114427398	2953	TEC	-1.59	5.47E-03	2.97E-02
ENSG00000215246	AC116351.1	5	987180	997308	10128	lncRNA-antisense	-1.59	5.27E-03	2.90E-02
ENSG00000137674	MMP20	11	102576832	102625332	48500	protein coding	-1.59	4.94E-03	2.78E-02
ENSG00000259692	AC104041.1	15	81633426	82013579	380153	lncRNA	-1.59	4.42E-05	1.12E-03
ENSG00000169006	NTSR2	2	11658178	11670195	12017	protein coding	-1.59	1.15E-03	1.02E-02
ENSG00000223764	LINC02593	1	916865	921016	4151	lncRNA	-1.59	2.86E-04	4.02E-03
ENSG00000148677	ANKRD1	10	90912096	90921087	8991	protein coding	-1.59	1.21E-04	2.24E-03
ENSG00000237224	AL157832.2	10	129693722	129702117	8395	lncRNA-antisense	-1.59	1.01E-03	9.34E-03
ENSG00000106331	PAX4	7	127610292	127618142	7850	protein coding	-1.59	3.26E-03	2.09E-02
ENSG00000253741	LNCOC1	8	142701857	142727016	25159	lncRNA-antisense	-1.59	1.55E-04	2.65E-03
ENSG00000187720	THSD4	15	71096952	71783383	686431	protein coding	-1.59	2.06E-05	6.67E-04
ENSG00000165566	AMER2	13	25161684	25172288	10604	protein coding	-1.59	5.20E-04	5.97E-03
ENSG00000230267	HERC2P4	16	32103245	32188107	84862	transcribed unprocessed pseudogene	-1.59	1.85E-03	1.42E-02
ENSG00000159307	SCUBE1	22	43197280	43343372	146092	protein coding	-1.59	6.09E-08	1.28E-05
ENSG00000239705	AL354710.2	9	125241663	125257071	15408	lncRNA-antisense	-1.59	1.13E-02	4.86E-02
ENSG00000124493	GRM4	6	34018643	34155622	136979	protein coding	-1.59	2.67E-06	1.69E-04
ENSG00000165837	ERIC6B	13	45534522	45615739	81217	protein coding	-1.59	7.31E-04	7.54E-03
ENSG00000224679	MED15P4	2	131535187	131536988	1801	unprocessed pseudogene	-1.59	7.98E-03	3.82E-02
ENSG00000205488	CALML3-AS1	10	5510036	5526246	16210	lncRNA-antisense	-1.59	1.54E-04	2.63E-03
ENSG00000163347	CLDN1	3	190305707	190322446	16739	protein coding	-1.59	3.42E-03	2.16E-02
ENSG00000174667	OR7D4	19	9210276	9219589	9313	protein coding	-1.59	3.02E-03	1.99E-02
ENSG00000171944	OR52A5	11	5128776	5138356	9580	protein coding	-1.59	1.02E-02	4.53E-02
ENSG00000100302	RASD2	22	35540831	35553999	13168	protein coding	-1.59	8.05E-04	8.06E-03
ENSG00000225742	LINC02036	3	194202392	194250203	47811	lncRNA	-1.59	4.03E-03	2.41E-02
ENSG00000287419	AL121929.3	10	103573157	103583687	10530	lncRNA	-1.59	1.44E-03	1.20E-02
ENSG00000264635	AP001020.2	18	738058	739662	1604	lncRNA-sense intronic	-1.59	2.75E-03	1.86E-02
ENSG00000279927	Z95114.4	22	36066533	36070110	3577	lncRNA	-1.59	4.55E-03	2.62E-02
ENSG00000256343	AC095350.1	12	130651342	130669233	17891	lncRNA	-1.59	2.43E-04	3.62E-03
ENSG0000016490	CLCA1	1	86468368	86500259	31891	protein coding	-1.59	6.68E-03	3.41E-02
ENSG00000164542	KIAO0895	7	36324152	36390125	65973	protein coding	-1.59	3.48E-05	9.51E-04
ENSG00000171903	CYP4F11	19	15912367	15934867	22500	protein coding	-1.59	7.93E-04	7.97E-03
ENSG00000227145	IL21-AS1	4	122618983	122689156	70173	lncRNA-antisense	-1.60	2.53E-03	1.76E-02
ENSG00000258590	NBEAP1	15	20657638	20688408	30770	transcribed unprocessed pseudogene	-1.60	6.71E-05	1.51E-03
ENSG00000131095	GFAP	17	44903159	44916937	13778	protein coding	-1.60	3.56E-06	2.03E-04
ENSG00000235050	MLIP-AS1	6	53978549	54079726	101177	lncRNA-antisense	-1.60	1.03E-02	4.58E-02
ENSG00000267142	AC092296.3	19	36421536	36422534	998	processed pseudogene	-1.60	8.76E-03	4.08E-02
ENSG00000287031	AC093307.1	5	6378674	6411690	33016	lncRNA	-1.60	3.41E-03	2.15E-02

ENSG00000286295	AL450307.1	10	131776386	131795277	18891	lncRNA	-1.60	2.61E-03	1.80E-02
ENSG00000270393	AC000095.1	22	19018043	19018916	873	processed_pseudogene	-1.60	4.98E-03	2.79E-02
ENSG00000260372	AQP4-AS1	18	26655737	27190698	534961	lncRNA-antisense	-1.60	8.63E-05	1.78E-03
ENSG00000062038	CDH3	16	68636189	68722616	86427	protein_coding	-1.60	7.07E-05	1.56E-03
ENSG00000171772	SYCE1	10	133553901	133569835	15934	protein_coding	-1.60	2.89E-06	1.79E-04
ENSG00000163646	CLRN1	3	150926163	150972727	46564	protein_coding	-1.60	8.21E-03	3.90E-02
ENSG00000236714	LINC01844	5	142716229	142761035	44806	lncRNA	-1.60	6.75E-03	3.43E-02
ENSG00000253154	AC100801.1	8	85833377	85951083	117706	lncRNA	-1.60	1.82E-03	1.40E-02
ENSG00000233860	SHROOM3-AS1	4	76708853	76802426	93573	lncRNA-antisense	-1.60	4.33E-03	2.54E-02
ENSG00000214650	AC073592.1	12	124513222	124516798	3576	lncRNA	-1.60	3.17E-03	2.05E-02
ENSG00000117525	F3	1	94529173	94541759	12586	protein_coding	-1.60	6.12E-05	1.41E-03
ENSG00000204398	AL359649.1	13	111588201	111672608	84407	lncRNA	-1.60	2.59E-03	1.79E-02
ENSG00000260232	PWRN4	15	23912411	24090821	178410	lncRNA	-1.60	4.84E-04	5.70E-03
ENSG00000230731	AL589745.1	13	44234118	44256596	22478	lncRNA	-1.60	1.75E-03	1.36E-02
ENSG00000165953	SERPINA12	14	94487274	94517844	30570	protein_coding	-1.60	9.43E-03	4.28E-02
ENSG00000073670	ADAM11	17	44758988	44781846	22858	protein_coding	-1.60	9.13E-07	8.08E-05
ENSG00000224479	AC104162.1	3	63741827	63827445	85618	transcribed_unitary_pseudogene	-1.60	8.21E-05	1.72E-03
ENSG00000189433	GJB4	1	34759740	34762327	2587	protein_coding	-1.60	1.76E-03	1.37E-02
ENSG00000203688	LINC02487	6	167679628	167696290	16664	lncRNA	-1.60	2.52E-03	1.75E-02
ENSG00000184937	WT1	11	32387775	32435564	47789	protein_coding	-1.60	1.11E-05	4.47E-04
ENSG00000158220	ESYT3	3	138434586	138481686	47100	protein_coding	-1.60	1.76E-05	6.00E-04
ENSG00000132975	GPR12	13	26755200	26760786	5586	protein_coding	-1.60	5.84E-04	6.47E-03
ENSG00000229326	RPL17P15	2	119698623	119700151	1528	processed_pseudogene	-1.60	3.15E-03	2.04E-02
ENSG00000268379	AC025888.1	19	57175233	57177921	2688	processed_pseudogene	-1.60	3.71E-03	2.28E-02
ENSG00000240311	AC004224.1	16	3496201	3496768	567	processed_pseudogene	-1.60	1.47E-03	1.21E-02
ENSG00000197430	OPALIN	10	96343221	96359365	16144	protein_coding	-1.60	5.44E-03	2.98E-02
ENSG00000143199	ADCY10	1	167809386	167914215	104829	protein_coding	-1.60	3.45E-06	2.00E-04
ENSG00000214141	ACTN4P2	1	37776670	37779418	2748	processed_pseudogene	-1.60	5.57E-03	3.01E-02
ENSG00000153246	PLAZR1	2	159932006	160062615	130609	protein_coding	-1.60	1.27E-03	1.09E-02
ENSG00000203799	CCDC162P	6	109165831	109355063	189232	transcribed_unitary_pseudogene	-1.60	3.24E-07	4.04E-05
ENSG00000137948	BRDT	1	91949371	92014426	65055	protein_coding	-1.60	3.31E-04	4.43E-03
ENSG00000259495	AC016705.2	15	80344853	80404214	59361	lncRNA	-1.60	3.79E-04	4.84E-03
ENSG00000158816	VWASB1	1	20290919	20354894	63975	protein_coding	-1.60	5.11E-05	1.24E-03
ENSG00000272168	CASC15	6	21664185	22654455	990270	lncRNA	-1.60	6.08E-08	1.28E-05
ENSG00000249436	LINC0003	5	57574027	57619816	45789	lncRNA	-1.60	6.79E-03	3.44E-02
ENSG00000145826	LECT2	5	135922279	135954983	32704	protein_coding	-1.61	9.03E-03	4.16E-02
ENSG00000262096	PCDHB19P	5	141239923	141243034	3111	transcribed_unprocessed_pseudogene	-1.61	1.40E-03	1.17E-02
ENSG00000143469	SYT14	1	209900923	210171389	270466	protein_coding	-1.61	1.25E-04	2.29E-03
ENSG00000231103	PRAMEF30P	1	12838125	12841357	3232	unprocessed_pseudogene	-1.61	7.69E-03	3.73E-02
ENSG00000285627	AC005343.4	12	1741197	1747099	5902	lncRNA-antisense	-1.61	6.43E-03	3.32E-02
ENSG00000241449	AC092666.1	7	150033653	150078655	43002	lncRNA	-1.61	8.66E-05	1.79E-03
ENSG00000122180	MYOG	1	203083129	203086012	2883	protein_coding	-1.61	7.16E-03	3.57E-02
ENSG00000260714	AC133552.1	16	25015978	25021023	5045	processed_pseudogene	-1.61	2.07E-04	3.24E-03
ENSG00000120068	HOXB8	17	48611377	48615292	3915	protein_coding	-1.61	3.99E-03	2.39E-02
ENSG00000287539	AC022966.2	17	78845345	78846686	1341	lncRNA	-1.61	1.55E-03	1.25E-02
ENSG00000164591	MYOZ3	5	150660882	150679368	18486	protein_coding	-1.61	4.64E-04	5.54E-03
ENSG00000168079	SCARA5	8	27869883	27992673	122790	protein_coding	-1.61	8.30E-06	3.65E-04
ENSG00000241322	CDRT1	17	15565483	15619704	54221	protein_coding	-1.61	8.00E-06	3.57E-04
ENSG00000232517	CSPG4BP	5	54808210	54872551	64341	unitary_pseudogene	-1.61	6.18E-04	6.72E-03
ENSG00000276710	CSPG4P10	15	82459472	82477258	17786	transcribed_unprocessed_pseudogene	-1.61	4.27E-07	4.78E-05
ENSG00000203585	LINC02408	12	67443105	67590771	147666	lncRNA	-1.61	7.16E-03	3.57E-02
ENSG00000267257	AC105105.1	18	58535415	58538552	3137	lncRNA-antisense	-1.61	3.39E-03	2.14E-02
ENSG00000133083	DLCK1	13	35786652	36131382	362730	protein_coding	-1.61	2.35E-05	7.29E-04
ENSG00000226808	LINC00840	10	43778946	43901004	122058	lncRNA	-1.61	5.80E-04	6.44E-03
ENSG00000277561	GOLGA8IP	15	22606022	22617854	11832	transcribed_unprocessed_pseudogene	-1.61	4.05E-05	1.05E-03
ENSG00000205562	AL049775.1	14	85518871	85531585	12714	lncRNA	-1.61	1.63E-03	1.30E-02
ENSG00000232294	AL031674.1	20	52671735	52699472	27737	lncRNA	-1.61	7.25E-03	3.59E-02
ENSG00000179603	GRM8	7	126438598	127253093	814495	protein_coding	-1.61	8.75E-04	8.50E-03
ENSG00000160808	MYL3	3	46835111	46882172	47061	protein_coding	-1.61	2.08E-03	1.54E-02
ENSG00000272321	AP003355.2	8	98436669	98439290	2621	lncRNA-antisense	-1.61	9.42E-04	8.94E-03
ENSG00000226825	LINC01509	9	107420191	107466613	46422	lncRNA	-1.61	9.36E-03	4.26E-02
ENSG00000170537	TMC7	16	18983934	19063942	80008	protein_coding	-1.61	6.83E-05	1.53E-03
ENSG00000178882	RFLNA	12	123973241	124316024	342783	protein_coding	-1.61	4.65E-04	5.54E-03
ENSG00000279149	AL356750.1	13	30344672	30347167	2495	TEC	-1.61	2.04E-03	1.52E-02
ENSG00000248896	AC105001.1	8	10729314	10772910	43596	lncRNA-antisense	-1.62	2.17E-03	1.59E-02
ENSG00000054796	SPO11	20	57329803	57343994	14191	protein_coding	-1.62	1.13E-02	4.86E-02
ENSG00000184254	ALDH1A3	15	100877714	100916626	38912	protein_coding	-1.62	2.18E-05	6.90E-04
ENSG00000188101	ALOX15P2	9	92913156	92921560	8404	unprocessed_pseudogene	-1.62	3.33E-03	2.12E-02
ENSG00000280087	AC011481.3	19	44909375	44914968	5593	TEC	-1.62	9.60E-04	9.06E-03
ENSG00000009724	MASP2	1	11026523	11047239	20716	protein_coding	-1.62	8.07E-08	1.48E-05
ENSG00000184486	POU3F2	6	98834574	98839458	4884	protein_coding	-1.62	1.80E-03	1.39E-02
ENSG00000286941	AC244250.4	22	22630546	22633849	3303	lncRNA	-1.62	6.42E-03	3.32E-02
ENSG00000255621	AC023790.2	12	13000451	13004079	40228	lncRNA	-1.62	9.31E-04	8.88E-03
ENSG00000134240	HMGCS2	1	119748002	119768905	20903	protein_coding	-1.62	8.39E-03	3.96E-02
ENSG00000166450	PRTG	15	55611544	55743152	131608	protein_coding	-1.62	4.95E-05	1.21E-03
ENSG00000185070	FLRT2	14	85530144	85654428	124284	protein_coding	-1.62	1.78E-06	1.32E-04
ENSG00000278616	BEND3P3	10	79682997	79685436	2439	processed_pseudogene	-1.62	3.95E-04	4.99E-03
ENSG00000204832	ST8SIA6-AS1	10	17386919	17445758	58839	lncRNA-antisense	-1.62	2.26E-04	3.45E-03
ENSG00000161896	IP6K3	6	33721662	33746905	25243	protein_coding	-1.62	1.14E-03	1.02E-02
ENSG00000234710	AC060834.2	7	9621764	9769513	147749	lncRNA	-1.62	1.12E-02	4.82E-02
ENSG00000184828	ZBTB7C	18	48026672	48410752	384080	protein_coding	-1.62	2.48E-07	3.37E-05
ENSG00000100170	SLCSA1	22	32043261	32113029	69768	protein_coding	-1.62	7.17E-04	7.45E-03
ENSG00000118407	FILIP1	6	75291859	75493000	201941	protein_coding	-1.62	6.62E-04	7.03E-03
ENSG00000260734	TLE7	16	71429980	71442054	12074	protein_coding	-1.62	2.26E-03	1.63E-02
ENSG00000017427	IGF1	12	102395874	102481744	85870	protein_coding	-1.62	7.88E-06	3.54E-04
ENSG00000130427	EPO	7	100720468	100723700	3232	protein_coding	-1.62	3.40E-03	2.15E-02
ENSG00000244471	AL137058.1	13	52488993	52587095	98102	transcribed_unprocessed_pseudogene	-1.62	7.52E-04	7.69E-03
ENSG00000204849	SPATA31A1	9	39355669	39361962	6293	protein_coding	-1.62	8.09E-03	3.86E-02
ENSG00000180264	ADGRD2	9	124451425	124478589	27164	protein_coding	-1.62	1.37E-04	2.43E-03
ENSG00000229649	LINC02681	10	101252821	101263550	10729	lncRNA	-1.62	1.05E-02	4.64E-02

ENSG00000101251	SEL1L2	20	13849247	13996443	147196	protein coding	-1.62	1.06E-04	2.05E-03
ENSG00000170929	OR1M1	19	9087061	9095669	8608	protein coding	-1.62	8.50E-03	3.99E-02
ENSG00000234345	ELF2P1	X	103910305	103911352	1047	processed pseudogene	-1.62	6.68E-04	7.07E-03
ENSG00000143355	LHX9	1	197911902	197935478	23576	protein coding	-1.62	1.17E-06	9.52E-05
ENSG00000248724	NPH3-AS1	3	132721750	132874223	152473	lncRNA-antisense	-1.62	1.81E-05	6.14E-04
ENSG00000177133	PRDM16-DT	1	3059615	3068437	8822	lncRNA-antisense	-1.62	1.80E-04	2.95E-03
ENSG00000231427	LINC01445	7	54330670	54455093	124423	lncRNA	-1.62	3.31E-03	2.11E-02
ENSG00000157510	AFAP1L1	5	149271859	149343637	71778	protein coding	-1.62	4.69E-06	2.47E-04
ENSG00000170748	RBMXL2	11	7088998	7091148	2150	protein coding	-1.62	1.66E-03	1.32E-02
ENSG00000197140	ADAM32	8	39106990	39284917	177927	protein coding	-1.62	6.97E-05	1.55E-03
ENSG00000229484	LINC02766	1	12527724	12528420	696	lncRNA	-1.62	1.13E-02	4.85E-02
ENSG00000156427	FGF18	5	171419647	171457626	37979	protein coding	-1.62	4.19E-04	5.17E-03
ENSG00000288537	AL162391.2	9	126270121	126275918	5797	lncRNA	-1.62	7.57E-03	3.70E-02
ENSG00000287786	AC113615.2	4	6178186	6184925	6739	lncRNA	-1.62	6.65E-03	3.40E-02
ENSG00000115380	EFEMP1	2	55865967	55924139	58172	protein coding	-1.62	5.74E-04	6.40E-03
ENSG00000249345	LINC02405	12	126915199	127060565	145366	lncRNA	-1.62	2.11E-04	3.28E-03
ENSG00000223646	AC002463.1	7	112616440	112896625	280185	lncRNA	-1.62	4.77E-04	5.64E-03
ENSG00000251652	AC092535.4	4	1113639	1132977	19338	lncRNA-antisense	-1.62	2.64E-03	1.81E-02
ENSG00000171357	LURAP1	1	46203334	46221256	17922	protein coding	-1.62	2.03E-04	3.20E-03
ENSG00000175426	PCSK1	5	96390333	96434143	43810	protein coding	-1.62	1.15E-03	1.02E-02
ENSG00000182366	FAM87A	8	375931	384079	8148	lncRNA	-1.62	2.48E-04	3.67E-03
ENSG00000204695	OR14J1	6	29301701	29313017	11316	protein coding	-1.62	3.92E-03	2.36E-02
ENSG00000114547	ROPN1B	3	125969160	125983454	14294	protein coding	-1.62	3.10E-03	2.02E-02
ENSG00000125514	LINC00029	20	63034217	63037028	2811	lncRNA	-1.62	1.03E-03	9.46E-03
ENSG00000258785	LINC01580	15	93894431	93984150	89719	lncRNA	-1.62	6.22E-05	1.43E-03
ENSG00000183644	HOATZ	11	111514785	111537031	22246	protein coding	-1.62	6.98E-03	3.50E-02
ENSG00000254042	SLIT3-AS2	5	168706567	168720884	14317	lncRNA-antisense	-1.62	1.03E-03	9.46E-03
ENSG00000226527	AP000289.1	21	33110867	33123725	12858	lncRNA	-1.62	7.39E-03	3.64E-02
ENSG00000216921	FAM240C	2	241893988	241902551	8563	protein coding	-1.62	6.39E-03	3.30E-02
ENSG00000188959	C9orf152	9	110190048	110208189	18141	protein coding	-1.62	6.95E-04	7.27E-03
ENSG00000205396	LINC00661	19	16015287	16027462	12175	lncRNA	-1.63	4.45E-04	5.39E-03
ENSG00000071203	MS4A12	11	60492778	60507430	14652	protein coding	-1.63	3.48E-03	2.18E-02
ENSG00000250072	SH3TC2-DT	5	149063254	149129578	66324	lncRNA	-1.63	1.04E-02	4.59E-02
ENSG00000230342	FANCD2P2	3	11859674	11891172	31498	unprocessed pseudogene	-1.63	7.33E-03	3.62E-02
ENSG00000236052	LINC01643	22	34017422	34218796	201374	lncRNA	-1.63	6.25E-04	6.75E-03
ENSG00000278911	AC015819.3	18	75103587	75106260	2673	lncRNA	-1.63	7.25E-03	3.59E-02
ENSG00000237401	LINC01304	2	3957652	3974124	16472	lncRNA	-1.63	6.25E-04	6.75E-03
ENSG00000170827	CELP	9	133079900	133087355	7455	transcribed unprocessed pseudogene	-1.63	1.02E-03	9.41E-03
ENSG00000100604	CHGA	14	92923150	92935285	12135	protein coding	-1.63	9.91E-06	4.12E-04
ENSG00000279714	Z95114.2	22	36091148	36093352	2204	lncRNA	-1.63	1.36E-03	1.14E-02
ENSG00000286886	AJ011931.2	21	45861830	45888638	28808	lncRNA	-1.63	5.04E-04	5.84E-03
ENSG00000222036	POTEM	14	18967434	19003752	36318	protein coding	-1.63	2.70E-03	1.84E-02
ENSG00000236114	AL450326.2	10	43523256	43525177	1961	unprocessed pseudogene	-1.63	1.14E-02	4.88E-02
ENSG00000172969	FRG2C	3	75664330	75667220	2890	protein coding	-1.63	1.12E-03	9.99E-03
ENSG00000136697	ILF1F10	2	113067970	113075843	7873	protein coding	-1.63	8.22E-03	3.90E-02
ENSG00000273218	AC005776.2	19	15346068	15348417	2349	lncRNA	-1.63	7.83E-03	3.78E-02
ENSG00000157211	CDCP2	1	54132968	54153770	20802	protein coding	-1.63	5.49E-03	2.98E-02
ENSG00000248844	LINC02753	11	70056230	70065371	9141	lncRNA	-1.63	4.08E-03	2.43E-02
ENSG00000257129	AC126177.1	12	107910403	107912620	2217	transcribed processed pseudogene	-1.63	9.67E-04	9.10E-03
ENSG00000166391	MOGAT2	11	75717838	75732958	15120	protein coding	-1.63	1.95E-03	1.47E-02
ENSG00000261175	LINC02188	16	86710122	86742083	31961	lncRNA	-1.63	2.38E-04	3.57E-03
ENSG00000163817	SLC6A20	3	45755449	45796536	41087	protein coding	-1.63	6.75E-06	3.18E-04
ENSG00000176177	ENTHD1	22	39743044	39893864	150820	protein coding	-1.63	5.42E-03	2.96E-02
ENSG00000279329	AC020910.6	19	34675717	34677581	1864	TEC	-1.63	8.00E-05	1.70E-03
ENSG00000197587	DMBX1	1	46489836	46516216	26380	protein coding	-1.63	4.15E-04	5.15E-03
ENSG00000235034	C19orf81	19	50649445	50659310	9865	protein coding	-1.63	6.25E-03	3.28E-02
ENSG00000180878	C11orf42	11	6205557	6211135	5578	protein coding	-1.63	1.03E-02	4.57E-02
ENSG00000142871	CCN1	1	85580761	85584589	3828	protein coding	-1.63	1.89E-03	1.44E-02
ENSG00000284618	AL391294.1	X	81000150	81004127	4067	lncRNA	-1.63	8.55E-03	4.01E-02
ENSG00000155890	TRIM42	3	140678064	140701150	23086	protein coding	-1.63	4.17E-03	2.47E-02
ENSG00000136235	GPNMB	7	23235967	23275108	39141	protein coding	-1.63	3.76E-06	2.13E-04
ENSG00000113600	C9	5	39284140	39424868	140728	protein coding	-1.63	5.40E-03	2.95E-02
ENSG00000129170	CSRP3	11	19182030	19210571	28541	protein coding	-1.63	6.42E-03	3.32E-02
ENSG00000197815	AC122129.1	17	17858227	17860041	1814	lncRNA-antisense	-1.63	3.06E-03	2.00E-02
ENSG00000169758	TMEM266	15	76059958	76229121	169163	protein coding	-1.63	4.81E-06	2.51E-04
ENSG00000154065	ANKRD29	18	23598926	23662911	63985	protein coding	-1.63	1.01E-04	1.99E-03
ENSG00000165125	TRPV6	7	142871208	142885745	14537	protein coding	-1.63	1.34E-04	2.40E-03
ENSG00000287516	AL359764.2	1	241413716	241468661	54945	lncRNA	-1.64	7.61E-05	1.64E-03
ENSG00000227764	LINC01693	1	211639440	211654627	15187	lncRNA	-1.64	6.31E-03	3.28E-02
ENSG00000087245	MMP2	16	55389700	55506691	116991	protein coding	-1.64	8.47E-05	1.76E-03
ENSG00000187955	COL14A1	8	120059780	120373573	313793	protein coding	-1.64	2.66E-05	7.90E-04
ENSG00000140285	FGF7	15	49423237	49488775	65538	protein coding	-1.64	1.65E-03	1.31E-02
ENSG00000164129	NPY5R	4	163343892	163351934	8042	protein coding	-1.64	7.54E-03	3.69E-02
ENSG00000283503	LINC01902	18	39841709	39896298	54589	lncRNA	-1.64	1.03E-03	9.48E-03
ENSG00000130950	NUTM2F	9	94318196	94328644	10448	protein coding	-1.64	3.41E-04	4.51E-03
ENSG00000278890	FP325330.2	22	48052646	48058275	5629	lncRNA	-1.64	4.21E-05	1.08E-03
ENSG00000166415	WDR72	15	53513741	53762878	249137	protein coding	-1.64	8.17E-05	1.72E-03
ENSG00000235281	AL713851.1	10	2501600	2618739	117139	lncRNA	-1.64	3.02E-03	1.98E-02
ENSG00000272512	AL645608.7	1	995966	998051	2085	lncRNA	-1.64	2.47E-04	3.66E-03
ENSG00000170927	PKHD1	6	51615299	52087613	472314	protein coding	-1.64	3.64E-04	4.70E-03
ENSG00000233701	PRR23C	3	139042102	139044892	2790	protein coding	-1.64	4.18E-03	2.48E-02
ENSG00000165495	PKNOX2	11	125164687	125433389	268702	protein coding	-1.64	6.25E-05	1.43E-03
ENSG00000132677	RHBG	1	156369211	156385219	16008	protein coding	-1.64	4.04E-04	5.06E-03
ENSG00000121769	FABP3	1	31365253	31376850	11597	protein coding	-1.64	6.20E-03	3.24E-02
ENSG00000206195	DUXAP8	22	15784959	15829984	45025	lncRNA	-1.64	1.04E-03	9.55E-03
ENSG00000236130	PTCSC2	9	97699625	97853080	153455	lncRNA	-1.64	1.11E-03	9.94E-03
ENSG00000182013	PNMA8A	19	46466491	46471563	5072	protein coding	-1.64	9.54E-04	9.02E-03
ENSG00000256546	AC156455.1	12	122063306	122068616	5310	lncRNA	-1.64	3.81E-05	1.01E-03
ENSG00000229267	SNHG3	2	214810181	214963575	153394	lncRNA-antisense	-1.64	1.10E-02	4.78E-02
ENSG00000175147	TMEM51-AS1	1	15111815	15153618	41803	lncRNA-antisense	-1.64	9.29E-06	3.97E-04

ENSG00000162753	SLC9C2	1	173500460	173603072	102612	protein coding	-1.64	4.18E-04	5.16E-03
ENSG00000173157	ADAMTS20	12	43353866	43552203	198337	protein coding	-1.64	2.60E-04	3.78E-03
ENSG00000284668	LINC02780	1	3976133	40127004	36571	lncRNA	-1.64	1.27E-03	1.09E-02
ENSG00000184166	OR1D2	17	3088484	3104422	15938	protein coding	-1.64	3.56E-03	2.22E-02
ENSG00000187021	PNLIPRP1	10	116590385	116609175	18790	protein coding	-1.64	1.71E-03	1.34E-02
ENSG00000229240	LINC00710	10	10917866	10952234	34368	lncRNA	-1.64	3.57E-03	2.22E-02
ENSG00000224215	AL606469.1	10	23343957	23345181	1224	lncRNA-antisense	-1.64	8.22E-03	3.90E-02
ENSG00000167634	NLRP7	19	54923509	54966312	42803	protein coding	-1.64	7.18E-06	3.33E-04
ENSG00000279317	AC006994.1	2	210171518	210233976	62458	lncRNA-bidirectional promoter lncRNA	-1.64	4.76E-03	2.71E-02
ENSG00000165970	SLC6A5	11	20599594	20659285	59691	protein coding	-1.64	4.44E-05	1.12E-03
ENSG00000084636	COL16A1	1	31652263	31704319	52056	protein coding	-1.64	4.18E-05	1.08E-03
ENSG00000167757	KLK11	19	51022216	51028039	5823	protein coding	-1.64	1.28E-03	1.10E-02
ENSG00000170011	MYRIP	3	39808914	40260321	451407	protein coding	-1.64	1.29E-05	4.98E-04
ENSG00000254367	AC087269.1	8	8723693	8724799	58786	lncRNA	-1.64	3.27E-03	2.09E-02
ENSG00000157542	KCNJ6	21	37607373	38121345	513972	protein coding	-1.64	2.50E-05	7.57E-04
ENSG00000237991	RPL35P1	1	236981339	236981708	369	processed pseudogene	-1.64	1.68E-03	1.32E-02
ENSG00000134760	DSG1	18	31318160	31359246	41086	protein coding	-1.64	8.87E-04	8.58E-03
ENSG00000140835	CHST4	16	71525233	71538748	13515	protein coding	-1.64	7.16E-03	3.57E-02
ENSG00000101951	PAGE4	X	49829260	49834264	5004	protein coding	-1.64	8.84E-03	4.10E-02
ENSG00000286720	AC097375.5	4	151988526	152045275	56749	lncRNA	-1.64	5.43E-03	2.96E-02
ENSG00000179447	SLC24A3-AS1	20	19242302	19284596	42294	lncRNA-antisense	-1.64	2.55E-03	1.77E-02
ENSG00000235724	AC009299.2	2	161222785	161308389	85604	lncRNA-antisense	-1.64	8.61E-04	8.41E-03
ENSG00000238123	MID1IP1-AS1	X	38801568	38803883	2315	lncRNA-antisense	-1.64	6.33E-03	3.28E-02
ENSG00000123307	NEUROD4	12	55019974	55030017	10043	protein coding	-1.64	4.04E-03	2.41E-02
ENSG00000273396	LINC01396	4	4844188	4850827	6639	lncRNA	-1.64	6.01E-04	6.60E-03
ENSG00000263142	LRRCC37A17P	17	46978481	47054569	76088	transcribed unprocessed pseudogene	-1.64	3.96E-06	2.19E-04
ENSG00000124237	C2orf85	20	58150902	58161150	10248	protein coding	-1.64	6.65E-03	3.40E-02
ENSG00000128422	KRT17	17	41619442	41624842	5400	protein coding	-1.65	6.39E-05	1.45E-03
ENSG00000234093	RPS15AP11	1	44780331	44780715	384	processed pseudogene	-1.65	1.14E-02	4.88E-02
ENSG00000106128	GHRHR	7	30938669	30933254	54585	protein coding	-1.65	5.87E-05	1.37E-03
ENSG00000255093	AP002008.2	11	111448450	111475397	26947	transcribed unitary pseudogene	-1.65	1.45E-05	5.36E-04
ENSG00000182674	KCNB2	8	72537225	72938349	401124	protein coding	-1.65	9.73E-03	4.38E-02
ENSG00000157060	SHCBP1L	1	182898665	182953525	53660	protein coding	-1.65	3.55E-03	2.21E-02
ENSG00000285980	AP003025.2	11	131542030	131581145	39115	lncRNA-antisense	-1.65	2.32E-03	1.66E-02
ENSG00000266357	LINC02074	17	74043452	74154212	110760	lncRNA	-1.65	7.65E-03	3.72E-02
ENSG00000203808	BVES-AS1	6	105136308	105169952	33644	lncRNA-antisense	-1.65	1.19E-04	2.21E-03
ENSG00000129221	AIP1L	17	6393693	6435199	41506	protein coding	-1.65	4.05E-04	5.07E-03
ENSG00000286990	AC016026.2	22	17800722	17820235	1313	lncRNA	-1.65	1.09E-02	4.72E-02
ENSG00000182048	TRPC2	11	3609901	36375599	27658	transcribed unprocessed pseudogene	-1.65	4.65E-05	1.16E-03
ENSG00000180667	YOD1	1	207043849	207052980	9131	protein coding	-1.65	7.58E-12	2.39E-08
ENSG00000236404	VLDLR-AS1	9	2421597	2643359	221762	lncRNA-antisense	-1.65	7.46E-05	1.62E-03
ENSG00000287717	AC133637.2	15	89361157	89362421	1264	lncRNA	-1.65	9.44E-03	4.29E-02
ENSG00000250295	RDH10-AS1	8	73297711	73356461	58750	lncRNA-antisense	-1.65	1.11E-02	4.81E-02
ENSG00000235419	AC010149.1	2	230520594	230580006	59412	lncRNA-antisense	-1.65	3.84E-03	2.33E-02
ENSG00000259868	AL163952.1	14	55896443	55962970	66527	lncRNA	-1.65	3.77E-03	2.30E-02
ENSG00000168619	ADAM18	8	39584489	39730065	145576	protein coding	-1.65	5.22E-03	2.88E-02
ENSG00000225216	AC007362.1	2	205756469	205764006	7537	lncRNA-antisense	-1.65	8.91E-03	4.12E-02
ENSG00000178055	PRSS42P	3	46829542	46834095	4553	transcribed unitary pseudogene	-1.65	4.79E-03	2.72E-02
ENSG00000287338	AL929091.1	1	223091872	223103335	11463	lncRNA	-1.65	1.74E-05	5.97E-04
ENSG00000205293	LINC01602	8	57855500	57984126	128626	lncRNA	-1.65	1.12E-02	4.83E-02
ENSG00000135858	GPRC5A	12	12891559	12917937	26378	protein coding	-1.65	5.88E-03	3.12E-02
ENSG00000280118	AC090983.1	15	24848355	24852253	3898	lncRNA	-1.65	4.94E-03	2.78E-02
ENSG00000165807	PPP1R36	14	64549920	64589381	39461	protein coding	-1.65	2.82E-03	1.89E-02
ENSG00000188828	GLRA4	X	103702210	103728655	26445	protein coding	-1.65	1.08E-03	9.78E-03
ENSG00000204362	LINC02783	1	17189783	17197617	7834	lncRNA	-1.65	9.65E-04	9.09E-03
ENSG00000246851	AL157938.3	9	131189910	131194205	4295	lncRNA-antisense	-1.65	1.08E-05	4.35E-04
ENSG00000254519	AC044839.1	11	45722279	45748209	25750	lncRNA	-1.65	1.30E-04	2.35E-03
ENSG00000128573	FOXP2	7	114086327	114693772	607445	protein coding	-1.65	4.34E-06	2.35E-04
ENSG00000224655	LINC01823	2	121779133	121809962	30829	lncRNA	-1.65	8.33E-05	1.74E-03
ENSG00000153237	CCDC148	2	158171073	158456753	285680	protein coding	-1.65	8.12E-04	8.11E-03
ENSG00000163072	NOSTRIN	2	168786539	168865514	78975	protein coding	-1.66	4.18E-04	5.16E-03
ENSG00000006059	KRT33A	17	41346092	41350828	4736	protein coding	-1.66	2.10E-03	1.55E-02
ENSG00000130540	SULT4A1	22	43824509	43862513	38004	protein coding	-1.66	1.44E-04	2.52E-03
ENSG00000175329	ISX	22	35066136	35087387	21251	protein coding	-1.66	4.47E-03	2.60E-02
ENSG00000256278	AC048382.1	15	84611689	84614969	3280	lncRNA-antisense	-1.66	7.94E-03	3.82E-02
ENSG00000227589	TP73-AS3	1	3658938	3668772	9834	lncRNA-antisense	-1.66	8.37E-03	3.95E-02
ENSG00000197376	AC089987.1	12	48507354	48529897	22543	transcribed processed pseudogene	-1.66	1.14E-02	4.89E-02
ENSG00000071539	TRIP13	5	892884	893957	26473	protein coding	-1.66	1.40E-05	5.24E-04
ENSG00000236751	LINC01186	X	46256759	46327680	70921	lncRNA	-1.66	7.01E-03	3.51E-02
ENSG00000185303	SFTPA2	10	79555852	79560407	4555	protein coding	-1.66	4.52E-04	5.45E-03
ENSG00000124089	MC3R	20	56248732	56249815	1083	protein coding	-1.66	1.08E-02	4.71E-02
ENSG00000234869	AL021392.1	22	46541495	46548196	6701	lncRNA-antisense	-1.66	4.18E-04	5.17E-03
ENSG00000166869	CHP2	16	23755026	23758935	3909	protein coding	-1.66	5.87E-03	3.12E-02
ENSG00000180720	CHRM4	11	46385098	46386608	1510	protein coding	-1.66	2.20E-03	1.60E-02
ENSG00000117650	NEK2	1	211658657	211675630	16973	protein coding	-1.66	5.07E-04	5.87E-03
ENSG00000244342	LINC00698	3	62950430	63125062	174632	lncRNA	-1.66	8.94E-03	4.13E-02
ENSG00000167580	AQP2	12	49950737	49958878	8141	protein coding	-1.66	9.86E-04	9.21E-03
ENSG00000285984	AC009301.1	2	30887626	30897387	9761	lncRNA	-1.66	8.67E-04	8.45E-03
ENSG00000223944	AL353604.1	1	37154761	37325100	170339	lncRNA	-1.66	2.22E-03	1.61E-02
ENSG00000248550	OTX2-AS1	14	56813183	57152177	338994	lncRNA	-1.66	5.68E-03	3.05E-02
ENSG00000286117	AL121894.3	20	23656151	23674888	18737	lncRNA	-1.66	7.90E-04	7.95E-03
ENSG00000279685	MAPT-IT1	17	45895783	45898798	3015	lncRNA-sense intronic	-1.66	1.87E-03	1.42E-02
ENSG00000285278	TFAP2A-AS2	6	10404502	10407928	3426	lncRNA-antisense	-1.66	7.06E-03	3.53E-02
ENSG00000189280	GJB5	1	34755047	34758512	3465	protein coding	-1.66	7.95E-03	3.82E-02
ENSG00000278725	AC020765.4	16	28602340	28604519	2179	unprocessed pseudogene	-1.66	9.68E-03	4.37E-02
ENSG00000187979	FAM230D	22	18178038	18205915	27877	lncRNA-antisense	-1.66	5.73E-03	3.07E-02
ENSG00000260913	LINC01254	18	10405133	10414515	9382	lncRNA	-1.66	1.03E-03	9.46E-03
ENSG00000070778	PTPN21	14	84645778	84655007	89229	protein coding	-1.66	1.57E-05	5.62E-04
ENSG00000260788	AC009063.2	16	83720402	83772974	52572	lncRNA-antisense	-1.66	1.16E-04	2.18E-03
ENSG00000066629	EML1	14	99737693	99942060	204367	protein coding	-1.66	1.29E-05	4.98E-04

ENSG00000152591	DSPP	4	87608529	87616873	8344	protein coding	-1.66	5.75E-03	3.07E-02
ENSG00000275226	LINC00547	13	37534940	37551536	16596	lncRNA	-1.66	8.57E-03	4.02E-02
ENSG00000160339	FCN2	9	134880810	134887523	6713	protein coding	-1.66	1.05E-03	9.58E-03
ENSG00000285697	AC002059.3	22	29387909	29417757	29848	transcribed unprocessed pseudogene	-1.66	1.00E-03	9.34E-03
ENSG00000223788	DIS3L2P1	2	232442034	232447418	5384	unprocessed pseudogene	-1.66	6.76E-03	3.43E-02
ENSG00000174990	CA5A	16	87881546	87936580	55034	protein coding	-1.66	3.65E-04	4.71E-03
ENSG00000187812	AC019294.1	15	75775553	75786898	11345	transcribed unprocessed pseudogene	-1.66	2.26E-03	1.63E-02
ENSG00000069431	ABCC9	12	21797401	21942529	145128	protein coding	-1.67	6.21E-05	1.42E-03
ENSG00000244558	KCNK15-AS1	20	44694892	44746201	51129	lncRNA-antisense	-1.67	8.80E-03	4.09E-02
ENSG00000250934	AC016924.1	3	126266747	126291525	24778	lncRNA	-1.67	8.25E-05	1.73E-03
ENSG00000197332	AC008543.1	19	11639754	11686569	46815	lncRNA	-1.67	7.88E-03	3.80E-02
ENSG00000250634	LINC01182	4	13654374	14003756	349382	lncRNA	-1.67	9.56E-06	4.05E-04
ENSG00000224565	LINC01754	20	47391925	47412327	20402	lncRNA	-1.67	5.41E-03	2.95E-02
ENSG00000101074	R3HDML	20	44337043	44351238	14195	protein coding	-1.67	2.52E-03	1.75E-02
ENSG00000112186	CAP2	6	17393505	17557190	164285	protein coding	-1.67	3.07E-04	4.22E-03
ENSG00000204952	FBXO47	17	38936432	38967403	30971	protein coding	-1.67	3.68E-03	2.27E-02
ENSG00000138587	MNS1	15	56421544	56465137	43593	protein coding	-1.67	8.42E-04	8.31E-03
ENSG00000185960	SHOX	X	624344	659411	35067	protein coding	-1.67	1.34E-05	5.11E-04
ENSG00000172554	SNTG2	2	950849	1367613	416764	protein coding	-1.67	2.75E-06	1.72E-04
ENSG00000248738	AC037441.1	8	22877972	22888022	10050	lncRNA-antisense	-1.67	5.44E-03	2.96E-02
ENSG00000230894	AL133284.1	9	11656736	116586328	18692	lncRNA-antisense	-1.67	3.29E-03	2.10E-02
ENSG00000115616	SLC9A2	2	102619553	102711355	91802	protein coding	-1.67	9.50E-04	9.00E-03
ENSG00000279220	GPR1-AS	2	206203543	206265326	61783	lncRNA	-1.67	8.48E-03	3.99E-02
ENSG00000264116	AC116003.1	18	75407012	75426607	19595	lncRNA-antisense	-1.67	2.48E-03	1.74E-02
ENSG00000282418	AC092811.1	1	225465021	225473837	8816	lncRNA	-1.67	6.74E-03	3.43E-02
ENSG00000153956	CACNA2D1	7	81946444	82443777	497333	protein coding	-1.67	7.65E-04	7.79E-03
ENSG00000144285	SCN1A	2	165984641	166149214	164573	protein coding	-1.67	1.13E-04	2.14E-03
ENSG00000128849	CGNL1	15	57375967	57550717	174750	protein coding	-1.67	5.22E-06	2.66E-04
ENSG00000105392	CRX	19	47819779	47843330	23551	protein coding	-1.67	4.71E-05	1.71E-03
ENSG00000280273	AF131216.4	8	11283481	11285608	1587	lncRNA-antisense	-1.67	4.77E-03	2.71E-02
ENSG00000204442	FAM155A	13	107163510	107867496	703986	protein coding	-1.67	3.53E-03	2.20E-02
ENSG00000237399	LINC01502	9	135574935	135587112	12177	lncRNA	-1.67	1.13E-05	4.50E-04
ENSG00000267134	LINC01924	18	64041555	64423601	382046	lncRNA	-1.67	1.59E-03	1.28E-02
ENSG00000272217	AL645940.1	6	33246075	33246856	781	lncRNA	-1.67	8.45E-03	3.98E-02
ENSG00000227912	AL441943.2	10	2150480	2169460	18980	lncRNA	-1.67	8.54E-03	4.00E-02
ENSG00000225526	MKRN2OS	3	12514934	12561059	46125	protein coding	-1.67	1.38E-03	1.15E-02
ENSG00000243478	AOXP2	2	200738608	200794239	55631	transcribed unprocessed pseudogene	-1.67	1.99E-04	3.16E-03
ENSG00000118271	TTR	18	31557009	31598833	41824	protein coding	-1.67	3.80E-03	2.31E-02
ENSG00000159398	CES5A	16	55846154	55965031	109877	protein coding	-1.67	3.63E-04	4.69E-03
ENSG00000231817	LINC01198	13	46455131	46515958	60827	lncRNA	-1.67	1.90E-04	3.06E-03
ENSG00000196979	GPRACR	9	130140610	130144219	3609	lncRNA	-1.67	2.33E-03	1.66E-02
ENSG00000226983	LINC01692	21	24840550	25057746	217196	lncRNA	-1.67	1.07E-02	4.68E-02
ENSG00000258502	LINC02290	14	66111557	66131716	20159	lncRNA	-1.67	7.55E-04	7.71E-03
ENSG00000258583	LINC01500	14	58646631	59184427	537616	lncRNA	-1.68	1.96E-05	6.46E-04
ENSG00000286837	AC087533.1	8	42842989	42848476	1887	lncRNA	-1.68	4.78E-04	5.65E-03
ENSG00000105143	SLC1A6	19	14950034	15022990	72956	protein coding	-1.68	3.48E-05	9.50E-04
ENSG00000130649	CYP2E1	10	133520406	133561220	40814	protein coding	-1.68	2.73E-08	7.59E-06
ENSG00000100344	PNPLA3	22	43923792	43964488	40696	protein coding	-1.68	5.87E-05	1.36E-03
ENSG00000230102	LINC02028	3	194005259	194071025	65766	lncRNA	-1.68	4.64E-05	1.16E-03
ENSG00000197594	ENPP1	6	131808016	131895155	87139	protein coding	-1.68	1.52E-06	1.16E-04
ENSG00000228718	LINC02521	6	26171444	26400011	22857	lncRNA	-1.68	7.88E-04	7.94E-03
ENSG00000231764	DLX6-AS1	7	96955141	97014088	58947	lncRNA-antisense	-1.68	3.51E-06	2.02E-04
ENSG00000183840	GPR39	2	132416805	132646582	229777	protein coding	-1.68	3.38E-04	4.48E-03
ENSG00000157578	LCA5L	21	39405844	39445805	39961	protein coding	-1.68	4.50E-06	2.39E-04
ENSG00000265843	LINC01029	18	77970637	77993731	23094	lncRNA	-1.68	5.18E-03	2.86E-02
ENSG00000105679	GAPDH5	19	35533455	35545319	11864	protein coding	-1.68	2.10E-03	1.55E-02
ENSG00000280200	AC073862.5	12	130976786	130978812	2026	TEC	-1.68	6.89E-03	3.48E-02
ENSG00000229867	STEAP3-AS1	2	119244222	119270174	26292	lncRNA-antisense	-1.68	5.97E-06	2.91E-04
ENSG00000184647	PRSS55	8	10525532	10554166	28634	protein coding	-1.68	1.15E-05	4.55E-04
ENSG00000276975	HYDIN2	1	146472566	146914294	441728	transcribed unprocessed pseudogene	-1.68	2.65E-06	1.69E-04
ENSG00000148225	WDR31	9	113313222	113340298	27076	protein coding	-1.68	4.11E-05	1.07E-03
ENSG00000241226	RN7SL836P	19	45651510	45651805	295	misc RNA	-1.68	3.17E-03	2.05E-02
ENSG00000235493	LINC01967	3	27916774	28059268	142494	lncRNA	-1.68	7.95E-03	3.82E-02
ENSG00000258458	AL180314.2	14	22701476	22766562	65086	lncRNA	-1.68	7.62E-05	1.64E-03
ENSG00000259144	RANBP20P	14	20720742	20723127	2385	processed pseudogene	-1.68	1.67E-03	1.32E-02
ENSG00000234721	LINC02092	17	73786675	73800966	14291	lncRNA	-1.68	1.37E-03	1.15E-02
ENSG00000169344	UMOD	16	20333052	20356301	23249	protein coding	-1.68	8.59E-04	8.40E-03
ENSG00000141665	FBXO15	18	74073353	74147843	74490	protein coding	-1.68	5.23E-09	2.22E-06
ENSG00000151917	BEND6	6	56955107	57027346	72239	protein coding	-1.68	2.03E-04	3.20E-03
ENSG00000152779	SLC16A12	10	89430299	89556641	126342	protein coding	-1.68	3.46E-03	2.17E-02
ENSG00000177839	PCDHB9	5	141187127	141191541	4414	protein coding	-1.68	1.98E-03	1.49E-02
ENSG00000262898	AC19099.2	17	83135734	83221442	85708	lncRNA	-1.68	4.16E-04	5.15E-03
ENSG00000259564	AC009554.1	15	61834682	61935738	101056	lncRNA-antisense	-1.68	3.45E-03	2.17E-02
ENSG00000183578	TNFAIP8L3	15	51056598	51105276	48678	protein coding	-1.68	1.73E-03	1.35E-02
ENSG00000177108	ZDHHC22	14	77131270	77142734	11464	protein coding	-1.68	4.52E-04	5.45E-03
ENSG00000232406	AL121895.1	20	36147334	36155760	8426	lncRNA-antisense	-1.68	1.32E-03	1.12E-02
ENSG00000267313	KC6	18	41465783	41632185	166402	lncRNA	-1.68	2.19E-03	1.60E-02
ENSG00000180806	HOXC9	12	53994895	54003337	8442	protein coding	-1.68	3.18E-03	2.05E-02
ENSG00000205086	C2orf91	2	41935368	41956806	21438	lncRNA	-1.68	3.23E-03	2.07E-02
ENSG00000109832	DDX25	11	125903348	125943702	40354	protein coding	-1.68	6.77E-05	1.52E-03
ENSG00000267665	AC021683.3	17	77516887	77536601	19714	lncRNA	-1.68	2.72E-04	3.90E-03
ENSG00000188153	COL4A5	X	108439838	108697545	257707	protein coding	-1.68	5.00E-04	5.82E-03
ENSG00000280660	AL157396.1	10	93762453	93771991	9538	lncRNA-sense intronic	-1.68	3.05E-05	8.68E-04
ENSG00000249346	LINC01016	6	33867506	33896914	29408	lncRNA	-1.68	3.23E-05	8.96E-04
ENSG00000157884	CIB4	2	26581205	26641366	60161	protein coding	-1.69	7.91E-03	3.81E-02
ENSG00000157703	SVOPL	7	138594285	138701362	107077	protein coding	-1.69	2.50E-05	7.58E-04
ENSG00000188817	SNTN	3	63652675	63679020	26345	protein coding	-1.69	7.61E-03	3.71E-03
ENSG00000287117	AC105916.1	4	9567474	9691786	124312	lncRNA	-1.69	1.62E-03	1.29E-02
ENSG00000170485	NPAS2	2	100820139	100996829	176690	protein coding	-1.69	6.21E-11	9.41E-08
ENSG00000260254	AP000997.3	11	115638563	115646962	8399	lncRNA	-1.69	1.04E-05	4.23E-04

ENSG00000256124	LINC01152	17	72030291	72041310	11019	lncRNA	-1.69	2.65E-03	1.82E-02
ENSG00000203987	AL727363.1	9	137867925	137892570	24645	lncRNA-antisense	-1.69	8.37E-05	1.74E-03
ENSG00000275645	AC068338.3	15	75346744	75347161	417	lncRNA-antisense	-1.69	3.52E-03	2.20E-02
ENSG00000275591	XKR5	8	6808517	6835524	27007	protein coding	-1.69	4.76E-05	1.18E-03
ENSG00000237880	LINC01885	2	107382715	107748270	365555	lncRNA	-1.69	7.58E-03	3.70E-02
ENSG00000235790	PEF1-AS1	1	31644049	31660162	16113	lncRNA-antisense	-1.69	1.99E-05	6.52E-04
ENSG00000227582	ADGRF5P1	9	62860873	62864957	4084	transcribed processed pseudogene	-1.69	1.00E-02	4.48E-02
ENSG00000287243	THCAT155	12	3483714	3492819	9105	lncRNA	-1.69	6.82E-04	7.19E-03
ENSG00000285736	AC131025.3	5	149324220	149345333	21113	lncRNA-bidirectional promoter lncRNA	-1.69	1.04E-02	4.61E-02
ENSG00000279662	AC131649.2	16	10445309	10449747	4438	TEC	-1.69	3.28E-03	2.10E-02
ENSG00000104901	DKKL1	19	49361783	49375116	13333	protein coding	-1.69	2.03E-03	1.51E-02
ENSG00000286505	AC087468.2	15	84913144	84915705	2561	lncRNA	-1.69	4.75E-03	2.71E-02
ENSG00000187492	CDHR4	3	49790732	49799873	9141	protein coding	-1.69	2.03E-03	1.51E-02
ENSG00000255970	LINC02421	12	67709047	67729475	20428	lncRNA	-1.69	5.11E-03	2.84E-02
ENSG00000279096	AL356289.2	1	48102068	48104736	2668	TEC	-1.69	1.12E-02	4.84E-02
ENSG00000268621	IGFL2-AS1	19	46189029	46203160	14131	lncRNA	-1.69	1.12E-03	1.00E-02
ENSG00000282916	LINC02746	11	92913227	92915644	2417	lncRNA	-1.69	6.24E-03	3.25E-02
ENSG00000250509	AC034213.1	5	180416949	180443240	28291	lncRNA	-1.69	9.99E-03	4.47E-02
ENSG00000287425	AP003717.4	11	73983449	73985562	2113	lncRNA	-1.69	1.52E-04	2.61E-03
ENSG00000205424	PCBP3-AS1	21	45827961	45837987	10026	lncRNA-antisense	-1.69	1.66E-04	2.77E-03
ENSG00000122176	FMOD	1	203340628	203351758	11130	protein coding	-1.69	6.07E-04	6.63E-03
ENSG00000212710	CTAGE1	18	22413599	22417915	4316	protein coding	-1.69	3.33E-04	4.44E-03
ENSG00000172986	GXYLT2	3	72888046	72988138	110092	protein coding	-1.69	7.84E-05	1.67E-03
ENSG00000081818	PCDHB4	5	141121818	141125623	3805	protein coding	-1.69	3.27E-03	2.09E-02
ENSG00000182083	OR6B2	2	240028965	240030456	1491	protein coding	-1.69	9.81E-03	4.41E-02
ENSG00000277531	PNMA8C	19	46424697	46428951	4254	protein coding	-1.69	4.27E-04	5.23E-03
ENSG00000112981	NME5	5	138115175	138139443	24268	protein coding	-1.69	7.88E-03	3.80E-02
ENSG00000259737	AC087516.2	15	36438972	36471016	32044	lncRNA	-1.69	3.24E-03	2.08E-02
ENSG00000254186	AC11344.1	5	162424042	163437326	1013284	lncRNA-antisense	-1.69	1.00E-04	1.98E-03
ENSG00000238084	AL031284.1	1	25398721	25399198	477	processed pseudogene	-1.69	2.65E-03	1.82E-02
ENSG00000134160	TRPM1	15	31001061	31161273	160212	protein coding	-1.69	1.21E-04	2.24E-03
ENSG00000284674	LINC02781	1	4973381	4981568	8187	lncRNA	-1.69	2.18E-03	1.59E-02
ENSG00000197953	AADACL2	3	151733916	151761339	27423	protein coding	-1.69	5.25E-03	2.89E-02
ENSG00000232926	AC000078.1	22	19887289	19887970	681	processed pseudogene	-1.69	6.54E-03	3.36E-02
ENSG00000109625	CPZ	4	8592660	8619759	27099	protein coding	-1.69	1.59E-03	1.28E-02
ENSG00000205866	FAM99A	11	1665597	1667856	2259	lncRNA	-1.69	5.05E-03	2.82E-02
ENSG00000136011	STAB2	12	103587273	103766719	179446	protein coding	-1.69	2.00E-07	2.94E-05
ENSG00000285735	LINC02717	11	134994982	135007779	12797	lncRNA	-1.69	5.18E-03	2.86E-02
ENSG00000166828	SCNN1G	16	23182475	23216883	34138	protein coding	-1.70	2.43E-04	3.63E-03
ENSG00000198732	SMOC1	14	69854131	70032366	178235	protein coding	-1.70	7.15E-07	6.87E-05
ENSG00000274775	Z82195.2	X	130445085	130524257	79172	transcribed unprocessed pseudogene	-1.70	6.46E-06	3.08E-04
ENSG00000284696	LINC02808	1	50229662	50321192	91530	lncRNA	-1.70	7.23E-03	3.59E-02
ENSG00000244122	UGT1A7	2	233681938	233773299	91361	protein coding	-1.70	6.49E-03	3.34E-02
ENSG00000224072	VEZTP1	X	46454097	46457199	3102	processed pseudogene	-1.70	4.02E-03	2.40E-02
ENSG00000054938	CHRDL2	11	74696429	74731426	34997	protein coding	-1.70	2.00E-04	3.17E-03
ENSG00000125851	PCSK2	20	17226107	17484578	258471	protein coding	-1.70	3.50E-05	9.55E-04
ENSG00000280162	AL136531.3	20	1320710	1324367	3657	TEC	-1.70	5.01E-04	5.82E-03
ENSG00000284931	AC104389.6	11	5248270	5254783	6513	protein coding	-1.70	5.08E-03	2.83E-02
ENSG00000100167	SEPTIN3	22	41969475	41998221	28746	protein coding	-1.70	3.96E-05	1.04E-03
ENSG00000253767	PCDHGA8	5	141390157	141512979	122822	protein coding	-1.70	1.01E-05	4.15E-04
ENSG00000244411	KRTAP5-7	11	71527267	71528669	1402	protein coding	-1.70	3.31E-03	2.11E-02
ENSG00000248540	AC010931.1	15	74125915	74129341	3426	lncRNA	-1.70	1.66E-03	1.31E-02
ENSG00000181143	MUC16	19	8848844	8981342	132498	protein coding	-1.70	9.14E-13	4.95E-09
ENSG00000279804	PRAMEF18	1	13222705	13226106	3401	protein coding	-1.70	9.17E-03	4.20E-02
ENSG00000230317	LINC01284	X	51095836	51224432	128596	lncRNA	-1.70	3.19E-07	4.01E-05
ENSG00000228838	AL355483.1	1	53288024	53289706	1682	lncRNA-antisense	-1.70	9.46E-03	4.30E-02
ENSG00000232892	RG55-AS1	1	163161675	163213023	51348	lncRNA-antisense	-1.70	8.65E-03	4.04E-02
ENSG00000255367	AC127526.2	11	3481520	3581211	99691	lncRNA	-1.70	2.85E-04	4.01E-03
ENSG00000234546	LNCTAM34A	1	9182004	9196284	14280	lncRNA	-1.70	1.07E-04	2.06E-03
ENSG00000178645	C10orf53	10	49679651	49710261	30610	protein coding	-1.70	2.70E-03	1.84E-02
ENSG00000156194	PPEF2	4	75859864	75902571	42707	protein coding	-1.70	1.33E-05	5.07E-04
ENSG00000112077	RHAG	6	49605175	49638839	31664	protein coding	-1.70	2.52E-05	7.61E-04
ENSG00000266290	AC015813.3	17	58078891	58083204	6313	lncRNA	-1.70	1.27E-03	1.09E-02
ENSG00000280278	FLJ130679	16	86555320	86557299	1979	TEC	-1.70	6.20E-03	3.24E-02
ENSG00000144644	GADL1	3	30726200	30894765	168565	protein coding	-1.70	1.74E-04	2.88E-03
ENSG00000188869	TMC3	15	81331088	81374213	43125	protein coding	-1.70	9.98E-05	1.98E-03
ENSG00000279110	AL022323.3	22	25052122	25065241	13119	lncRNA-antisense	-1.70	5.87E-08	1.25E-05
ENSG00000165061	ZMAT4	8	40530590	40897833	367243	protein coding	-1.70	5.90E-05	1.37E-03
ENSG00000117148	ACTL8	1	17755333	17827063	71730	protein coding	-1.70	7.87E-04	7.93E-03
ENSG00000268144	NIFKP6	19	51396755	51403526	6771	processed pseudogene	-1.70	8.60E-03	4.02E-02
ENSG00000280560	LINC01374	10	89853595	90225443	371848	lncRNA	-1.70	7.61E-05	1.64E-03
ENSG00000259705	AC084757.3	15	48645951	48652016	6065	lncRNA	-1.70	4.89E-03	2.76E-02
ENSG00000176495	OR5AN1	11	59358895	59371714	12819	protein coding	-1.70	2.50E-04	3.68E-03
ENSG00000277013	AC008556.1	19	33906352	33908391	2039	lncRNA	-1.70	5.72E-03	3.07E-02
ENSG00000159251	ACTC1	15	34790230	34795549	5319	protein coding	-1.70	5.54E-03	3.00E-02
ENSG00000129988	LBP	20	38346482	38377013	30531	protein coding	-1.70	4.73E-05	1.17E-03
ENSG00000134249	ADAM30	1	119893533	119896515	2982	protein coding	-1.70	1.06E-02	4.64E-02
ENSG00000237986	CEL2F-AS2	10	11071541	11105773	34232	lncRNA-antisense	-1.70	2.93E-03	1.95E-02
ENSG00000248752	AC113662.1	5	125333369	126368755	1035386	lncRNA	-1.70	2.68E-03	1.83E-02
ENSG00000259708	AC090607.3	15	78250502	78264156	13654	lncRNA-antisense	-1.70	1.14E-02	4.90E-02
ENSG00000234177	LINC01114	2	104746638	104757719	11081	lncRNA	-1.70	5.70E-04	6.37E-03
ENSG00000283528	TCAF2C	7	143639230	143647646	8416	protein coding	-1.70	8.86E-03	4.11E-02
ENSG00000236507	BX470209.2	9	89797880	89803100	5220	lncRNA	-1.70	6.51E-04	6.96E-03
ENSG00000154783	FGD5	3	14810853	14934511	123718	protein coding	-1.70	5.82E-06	2.87E-04
ENSG00000147488	ST18	8	52110839	52460959	350120	protein coding	-1.70	5.70E-08	1.22E-05
ENSG00000204694	OR11A1	6	29425504	29457071	31567	protein coding	-1.70	6.35E-03	3.29E-02
ENSG00000186976	EFCAB6	22	43528744	43812337	283593	protein coding	-1.70	1.92E-05	6.37E-04
ENSG00000204393	NOL4L-DT	20	32564992	32608893	43901	lncRNA	-1.70	3.08E-03	2.01E-02
ENSG00000230314	ELOVL2-AS1	6	11043482	11079154	35672	lncRNA-antisense	-1.70	2.75E-03	1.86E-02
ENSG00000104413	ESRP1	8	94641074	94707466	66392	protein coding	-1.70	4.52E-05	1.13E-03

ENSG00000176253	OR4K13	14	20029399	20036038	6639	protein coding	-1.71	2.23E-03	1.62E-02
ENSG00000274808	TBC1D3B	17	36165681	36176636	10955	protein coding	-1.71	2.93E-03	1.95E-02
ENSG00000249961	TERB1	16	66754640	66801620	46980	protein coding	-1.71	2.27E-04	3.45E-03
ENSG00000178795	GDPD4	11	77216558	77301687	85129	protein coding	-1.71	1.06E-03	9.65E-03
ENSG00000279588	AC087762.2	15	100782417	100786189	3772	TEC	-1.71	2.70E-03	1.84E-02
ENSG00000266554	LINC01443	18	14946267	14974215	27948	lncRNA	-1.71	3.62E-03	2.24E-02
ENSG00000224153	LINC02054	3	184399790	184457891	58101	lncRNA	-1.71	1.71E-03	1.34E-02
ENSG00000274414	AL121772.1	20	25239007	25245229	6222	lncRNA	-1.71	8.26E-03	3.91E-02
ENSG00000256659	LINC02368	12	128116730	128123103	6373	lncRNA	-1.71	1.48E-03	1.22E-02
ENSG00000253348	AC008514.1	5	170747047	170788650	41603	lncRNA-antisense	-1.71	7.91E-03	3.81E-02
ENSG00000280241	AC079298.3	4	153948718	154300500	351782	lncRNA-antisense	-1.71	1.60E-03	1.28E-02
ENSG00000232762	AL355483.2	1	53304536	53307462	2926	lncRNA-antisense	-1.71	5.28E-03	2.90E-02
ENSG00000214336	FOXI3	2	88446787	88452693	5906	protein coding	-1.71	1.06E-02	4.64E-02
ENSG00000174038	C9orf131	9	35041095	35045986	4891	protein coding	-1.71	1.22E-03	1.06E-02
ENSG00000230666	CEACAM22P	19	44537058	44620821	83763	transcribed unprocessed pseudogene	-1.71	5.74E-04	6.39E-03
ENSG00000120054	CPN1	10	100042193	100081869	39676	protein coding	-1.71	3.31E-03	2.11E-02
ENSG00000282386	AL358472.4	1	153964361	153965070	709	lncRNA-antisense	-1.71	9.31E-03	4.25E-02
ENSG00000198838	RYR3	15	33310962	33866121	555159	protein coding	-1.71	1.56E-08	4.95E-06
ENSG00000158560	DYNC111	7	95772506	96110322	337816	protein coding	-1.71	2.13E-05	6.79E-04
ENSG00000196341	OR8D1	11	124302831	124315099	12268	protein coding	-1.71	3.17E-04	4.29E-03
ENSG00000104415	CCN4	8	133191039	133231690	40651	protein coding	-1.71	3.56E-04	4.63E-03
ENSG00000177757	FAM87B	1	817371	819837	2466	lncRNA	-1.71	2.80E-03	1.89E-02
ENSG00000241544	LINC02029	3	157081738	157088547	6809	lncRNA	-1.71	7.26E-03	3.60E-02
ENSG00000125409	TEKT3	17	15303811	15341632	37821	protein coding	-1.71	1.72E-04	2.86E-03
ENSG00000279246	AP003108.3	11	61352244	61354477	2233	TEC	-1.71	1.15E-03	1.02E-02
ENSG00000261257	AP000821.1	11	126100505	126102413	1908	lncRNA	-1.71	8.43E-03	3.97E-02
ENSG00000134533	RERG	12	15107783	15348675	240892	protein coding	-1.71	8.32E-04	8.24E-03
ENSG00000163630	SYNPR	3	63228315	63616924	388609	protein coding	-1.71	1.61E-03	1.29E-02
ENSG00000260172	LINC01413	15	57319138	57325039	5901	lncRNA	-1.71	6.37E-03	3.30E-02
ENSG00000229951	FLJ31356	2	28384409	28394672	10263	lncRNA-antisense	-1.71	1.24E-04	2.28E-03
ENSG00000187870	RNF11P3	17	20743333	20754501	11168	unprocessed pseudogene	-1.71	3.83E-03	2.32E-02
ENSG00000248736	AC094105.2	5	2921496	2967955	46459	lncRNA	-1.71	3.23E-04	4.34E-03
ENSG00000173404	INSM1	20	20368104	20370949	2845	protein coding	-1.71	4.42E-03	2.57E-02
ENSG00000279581	AC073862.2	12	130980667	130981367	700	TEC	-1.71	8.98E-03	4.14E-02
ENSG00000280053	AC011199.1	3	126973065	126976426	3361	TEC	-1.71	5.53E-03	3.00E-02
ENSG00000171388	APLN	X	129645259	129654956	9697	protein coding	-1.71	1.17E-03	1.03E-02
ENSG00000285367	AC087564.1	16	51150770	51442519	291749	lncRNA	-1.71	1.02E-05	4.18E-04
ENSG00000249740	OSMR-AS1	5	38682581	38845829	163248	lncRNA	-1.71	2.98E-04	4.14E-03
ENSG00000279388	AC073578.3	12	131478844	131483034	4190	TEC	-1.71	5.54E-04	6.24E-03
ENSG00000138347	MYPN	10	68106117	68212017	105900	protein coding	-1.71	3.12E-04	4.25E-03
ENSG00000286933	AL022170.1	6	25632673	25640931	8258	lncRNA	-1.71	4.93E-03	2.78E-02
ENSG00000164692	COL1A2	7	94394895	94431227	36332	protein coding	-1.71	1.01E-05	4.15E-04
ENSG00000288575	AL159996.1	9	86751297	86758347	7050	lncRNA	-1.71	4.80E-03	2.73E-02
ENSG00000145040	UCN2	3	48561718	48563781	2063	protein coding	-1.71	9.37E-03	4.26E-02
ENSG00000286962	AC027128.1	3	10914196	10977981	63785	lncRNA	-1.71	2.19E-03	1.59E-02
ENSG00000261115	TMEM17B	7	141074064	141480380	406316	protein coding	-1.71	2.09E-07	3.01E-05
ENSG00000204532	ZSCAN5C	19	56202301	56209452	7151	protein coding	-1.71	5.01E-03	2.80E-02
ENSG00000272274	LINC00551	13	106586261	106716679	148418	lncRNA	-1.71	4.52E-05	1.13E-03
ENSG00000132561	MATN2	8	97868840	98036724	167884	protein coding	-1.71	6.95E-08	1.36E-05
ENSG00000284705	AL596257.1	1	36703953	36710582	6629	lncRNA	-1.71	2.86E-04	4.02E-03
ENSG00000224791	KRT18P39	2	203764295	203765593	1298	processed pseudogene	-1.71	1.05E-02	4.62E-02
ENSG00000155495	MAGEC1	X	141903894	141909374	5480	protein coding	-1.71	6.65E-03	3.40E-02
ENSG00000283638	AC002407.1	X	134168911	134174089	5178	lncRNA	-1.72	1.54E-04	2.64E-03
ENSG00000138356	AOX1	2	200586014	200677064	91050	protein coding	-1.72	1.30E-04	2.35E-03
ENSG00000243276	AC068633.1	3	118004819	118810836	806017	lncRNA	-1.72	1.07E-02	4.67E-02
ENSG00000260325	HSPB9	17	42122804	42123352	548	protein coding	-1.72	1.10E-02	4.78E-02
ENSG00000163810	TGM4	3	44874608	44914990	40382	protein coding	-1.72	7.22E-05	1.58E-03
ENSG00000205312	KRT17P4	17	16847635	16852777	5142	transcribed unprocessed pseudogene	-1.72	8.86E-03	4.11E-02
ENSG00000147434	CHRNA6	8	42752620	42796392	43772	protein coding	-1.72	5.80E-03	3.09E-02
ENSG00000123094	RASSF8	12	25959029	26079892	120863	protein coding	-1.72	5.67E-05	1.34E-03
ENSG00000279301	OR2T11	1	248623557	248635091	11534	protein coding	-1.72	8.58E-03	4.02E-02
ENSG00000203356	LINC01562	1	51195095	51235096	40001	lncRNA	-1.72	5.29E-03	2.90E-02
ENSG00000169894	MUC3A	7	100949534	100968347	18813	protein coding	-1.72	1.52E-05	5.52E-04
ENSG00000214264	KCTD9P4	11	112180773	112183191	2418	processed pseudogene	-1.72	7.52E-03	3.68E-02
ENSG00000234548	LINC02020	3	186439239	186457299	18060	lncRNA	-1.72	6.59E-03	3.38E-02
ENSG00000105388	CEACAM5	19	41708585	41730433	21848	protein coding	-1.72	1.31E-03	1.11E-02
ENSG00000288072	AC008507.5	19	30078133	30085893	7760	lncRNA	-1.72	9.18E-03	4.21E-02
ENSG00000237720	AC011995.2	2	2707368	2840512	133144	lncRNA	-1.72	3.86E-05	1.02E-03
ENSG00000229349	ACTG1P9	6	46204729	46207386	2657	processed pseudogene	-1.72	2.58E-03	1.79E-02
ENSG00000224944	CASC6	6	91557292	91690428	133136	lncRNA	-1.72	2.62E-03	1.80E-02
ENSG00000260392	AC090518.1	15	56542952	56629592	86640	lncRNA	-1.72	1.12E-04	2.12E-03
ENSG00000158258	CLSTN2	3	139935185	140577397	842212	protein coding	-1.72	1.11E-05	4.47E-04
ENSG00000100987	VSX1	20	25070885	25082141	11256	protein coding	-1.72	4.00E-04	5.04E-03
ENSG00000232190	LINC02181	16	87057784	87070105	12321	lncRNA	-1.72	1.61E-04	2.72E-03
ENSG00000156009	MAGEA8	X	149881141	149885835	4694	protein coding	-1.72	3.85E-03	2.33E-02
ENSG00000237640	AC004522.3	7	99929392	99948620	19228	lncRNA-antisense	-1.72	1.00E-02	4.47E-02
ENSG00000236384	LINC00479	21	41711520	41715725	4255	lncRNA	-1.72	1.67E-03	1.32E-02
ENSG00000287463	AC110620.2	2	134718188	134725474	7286	lncRNA	-1.72	2.31E-04	3.49E-03
ENSG00000286115	AC010092.1	2	170890393	170914873	24480	lncRNA	-1.72	1.14E-02	4.88E-02
ENSG00000204897	KRT25	17	40748021	40755331	7310	protein coding	-1.72	3.67E-03	2.26E-02
ENSG00000277041	AC106788.1	16	22537478	22537584	106	unprocessed pseudogene	-1.72	5.22E-03	2.88E-02
ENSG00000224190	LINC02667	10	128912810	128916429	3619	lncRNA	-1.72	6.23E-03	3.25E-02
ENSG00000245694	CRND6	16	54845189	54929189	84000	lncRNA	-1.72	2.57E-06	1.66E-04
ENSG00000175604	AC007601.1	16	12086746	12090302	3556	lncRNA-antisense	-1.72	2.75E-03	1.86E-02
ENSG00000257943	AC084879.1	12	95311312	95442482	131170	transcribed unitary pseudogene	-1.72	3.88E-03	2.35E-02
ENSG00000166473	PKD1L2	16	81100875	81220370	119495	polymorphic pseudogene	-1.72	7.36E-06	3.38E-04
ENSG00000163827	LRRC2	3	46515385	46580099	64714	protein coding	-1.72	2.89E-06	1.79E-04
ENSG00000152670	DDX4	5	55738017	55817157	79140	protein coding	-1.72	1.82E-04	2.97E-03
ENSG00000287792	AC140118.2	12	131350844	131371721	20877	lncRNA	-1.72	2.01E-04	3.19E-03
ENSG00000232023	LINC01807	2	228475224	228841689	366465	lncRNA	-1.72	1.05E-02	4.63E-02

ENSG00000125207	PIWIL1	12	130337887	130372637	34750	protein coding	-1.72	2.04E-05	6.61E-04
ENSG00000255393	OOSP4B	11	59978020	60031077	53057	protein coding	-1.72	8.65E-03	4.04E-02
ENSG00000131386	GALNT15	3	16174680	16231992	57312	protein coding	-1.72	3.17E-04	4.30E-03
ENSG00000256969	AC084375.1	12	4012902	4026658	13756	lncRNA	-1.72	7.30E-03	3.61E-02
ENSG0000021852	C8B	1	56929207	56966140	36933	protein coding	-1.72	9.30E-04	8.87E-03
ENSG00000184984	CHRM5	15	33968497	34067458	98961	protein coding	-1.72	2.59E-05	7.77E-04
ENSG00000286957	AC097776.5	2	129877896	129884441	6545	lncRNA	-1.72	1.94E-03	1.46E-02
ENSG00000224081	SLC44A3-AS1	1	94613814	94855426	241612	transcribed processed pseudogene	-1.73	7.53E-08	1.42E-05
ENSG00000255087	AP001993.1	11	127021736	127172363	150627	lncRNA	-1.73	1.96E-05	6.46E-04
ENSG00000204033	LRI2	10	84220571	84225544	4973	protein coding	-1.73	4.59E-03	2.64E-02
ENSG00000233606	OR6C66P	12	55385837	55392964	7127	transcribed unprocessed pseudogene	-1.73	3.18E-03	2.06E-02
ENSG00000155754	C2CD6	2	201487421	201619178	131757	protein coding	-1.73	1.03E-05	4.21E-04
ENSG00000175356	SCUBE2	11	9019476	9138114	118638	protein coding	-1.73	3.87E-08	9.34E-06
ENSG00000286157	AC011467.6	19	22518414	22520580	2166	lncRNA-antisense	-1.73	2.40E-03	1.70E-02
ENSG00000257771	LINC02395	12	49900311	49932764	32453	lncRNA	-1.73	5.28E-05	1.27E-03
ENSG00000254092	AC021613.1	8	20942863	21298168	355305	lncRNA	-1.73	5.62E-06	2.80E-04
ENSG00000264985	AC128404.1	17	73513469	73521407	7938	lncRNA-antisense	-1.73	1.35E-04	2.40E-03
ENSG00000255344	LINC02706	11	134712539	134716250	3711	lncRNA	-1.73	1.35E-03	1.14E-02
ENSG00000101333	PLCB4	20	9068763	9481242	412479	protein coding	-1.73	6.71E-06	3.17E-04
ENSG00000229212	AC044860.1	15	85180200	85234795	54595	transcribed unprocessed pseudogene	-1.73	9.23E-03	4.22E-02
ENSG00000101134	DOK5	20	54475593	54651169	175576	protein coding	-1.73	9.56E-04	9.04E-03
ENSG00000205858	LRRC72	7	16526825	16581568	54743	protein coding	-1.73	2.52E-03	1.75E-02
ENSG00000266786	LGAL59DP	17	27746132	27754954	8822	unprocessed pseudogene	-1.73	1.36E-03	1.14E-02
ENSG00000235602	POU5F1P3	12	8133772	8134849	1077	processed pseudogene	-1.73	8.26E-03	3.91E-02
ENSG00000117215	PLA2G2D	1	20111939	20119566	7627	protein coding	-1.73	1.15E-05	4.54E-04
ENSG00000261239	ANKRD26P1	16	46469341	46569097	99756	transcribed unprocessed pseudogene	-1.73	7.55E-05	1.64E-03
ENSG00000269186	LINC01082	16	86195954	86199720	3766	lncRNA	-1.73	2.24E-03	1.62E-02
ENSG00000284640	AL590434.1	1	35141515	35146435	4920	lncRNA	-1.73	6.08E-03	3.20E-02
ENSG00000275212	LINC02826	12	125983702	12604385	59783	lncRNA	-1.73	5.69E-04	6.36E-03
ENSG00000266242	GRAMD4P7	18	14485806	14487501	1695	processed pseudogene	-1.73	8.19E-03	3.90E-02
ENSG00000104067	TJP1	15	29699367	29968915	269548	protein coding	-1.73	7.79E-07	7.36E-05
ENSG00000159173	TNNI1	1	201403768	201429866	26098	protein coding	-1.73	2.60E-05	7.78E-04
ENSG00000187079	TEAD1	11	12674421	12944737	270316	protein coding	-1.73	1.07E-07	1.79E-05
ENSG00000285974	AC026624.1	15	82180743	82182700	1957	lncRNA-antisense	-1.73	4.13E-03	2.45E-02
ENSG00000138039	LHCGR	2	48686774	48755730	68956	protein coding	-1.73	7.22E-03	3.58E-02
ENSG00000287514	AL450267.2	9	36779475	36830456	50981	lncRNA	-1.73	1.12E-03	1.00E-02
ENSG00000276087	AC008073.3	2	24124366	24190336	66070	protein coding	-1.73	7.91E-03	3.81E-02
ENSG00000223901	AP001469.1	21	46220269	46225364	5095	lncRNA-antisense	-1.73	2.42E-03	1.71E-02
ENSG00000250799	PRODH2	19	35799888	35813299	13311	protein coding	-1.73	2.55E-04	3.73E-03
ENSG00000262999	AC099489.3	16	11465260	11473174	7914	lncRNA-antisense	-1.73	3.73E-03	2.29E-02
ENSG00000106125	MINDY4	7	30771417	30892387	120970	protein coding	-1.73	2.90E-04	4.06E-03
ENSG00000179813	FAM216B	13	42781550	42791549	9999	protein coding	-1.73	4.36E-03	2.55E-02
ENSG00000220238	POTEJ	2	130611440	130658037	46597	protein coding	-1.73	3.44E-03	2.17E-02
ENSG00000254299	LINC01944	5	172543403	172559202	15799	lncRNA	-1.73	8.09E-03	3.86E-02
ENSG00000267609	SNX33P1	19	16034776	16036537	1761	processed pseudogene	-1.73	3.92E-03	2.36E-02
ENSG00000267387	AC020931.1	19	10089032	10090377	1345	lncRNA-antisense	-1.73	2.67E-04	3.86E-03
ENSG00000101115	SALL4	20	51782331	51802521	20190	protein coding	-1.73	9.26E-07	8.14E-05
ENSG00000188386	PPP3R2	9	101591604	101595021	3417	protein coding	-1.73	6.44E-03	3.32E-02
ENSG00000204296	TSBP1	6	32288526	32371912	83396	protein coding	-1.73	2.51E-03	1.75E-02
ENSG00000243024	AC012158.1	12	64222337	64397065	174728	transcribed processed pseudogene	-1.73	2.06E-03	1.53E-02
ENSG00000203995	ZYG11A	1	52842511	52894998	52487	protein coding	-1.73	1.01E-04	1.99E-03
ENSG00000163982	OTOP1	4	4188726	4226929	38203	protein coding	-1.73	5.71E-04	6.37E-03
ENSG00000249695	AC026369.1	12	137411	149169	11758	lncRNA-antisense	-1.73	4.42E-05	1.12E-03
ENSG00000140945	CDH13	16	82628665	83800640	1173675	protein coding	-1.74	5.50E-05	1.30E-03
ENSG00000230866	LINC02558	22	31970823	32037995	67172	lncRNA	-1.74	5.27E-03	2.90E-02
ENSG00000170324	FRMPD2	10	48153088	48274696	121608	protein coding	-1.74	3.84E-06	2.15E-04
ENSG00000224977	LINC02776	1	174022509	174022985	476	lncRNA	-1.74	3.52E-03	2.20E-02
ENSG00000227964	LINC01429	20	51831797	51862912	31115	lncRNA	-1.74	7.28E-03	3.60E-02
ENSG00000146001	PCDH18P	5	141234333	141237529	3196	transcribed unprocessed pseudogene	-1.74	4.00E-03	2.39E-02
ENSG00000259358	DEPDC1P1	15	31765743	31768201	2458	processed pseudogene	-1.74	3.65E-03	2.25E-02
ENSG00000235189	AL034405.1	X	129869064	129957528	88464	lncRNA-antisense	-1.74	9.61E-04	9.06E-03
ENSG00000268282	AC010328.2	19	53004040	53005150	1110	processed pseudogene	-1.74	2.32E-03	1.66E-02
ENSG00000283529	AL035685.1	20	49318337	49441654	123317	transcribed unprocessed pseudogene	-1.74	6.51E-07	6.54E-05
ENSG00000267026	AL136084.1	9	98847172	98872415	25243	lncRNA-antisense	-1.74	3.42E-04	4.52E-03
ENSG00000180934	OR56A1	11	6019336	6034338	15002	protein coding	-1.74	5.61E-05	1.32E-03
ENSG00000254081	LINC01299	8	65526738	65562781	36043	lncRNA	-1.74	7.16E-03	3.56E-02
ENSG00000270885	RASL10B	17	35731639	35743521	11882	protein coding	-1.74	9.59E-07	8.28E-05
ENSG00000235779	AC097979.3	2	290941	314373	23432	lncRNA	-1.74	1.16E-04	2.17E-03
ENSG00000079933	FMO3	1	171090901	171117819	28918	protein coding	-1.74	2.80E-03	1.88E-02
ENSG00000206142	FAM230H	22	21300990	21325042	24052	lncRNA	-1.74	9.44E-03	4.29E-02
ENSG00000224795	NTM-AS1	11	131622451	131663583	41132	lncRNA	-1.74	1.22E-03	1.06E-02
ENSG00000120440	TTL2	6	167325071	167359503	34432	protein coding	-1.74	3.58E-03	2.23E-02
ENSG00000243479	MNX1-AS1	7	157010805	157016426	5621	lncRNA	-1.74	3.00E-03	1.98E-02
ENSG00000266830	AC061975.6	17	28246454	28248006	1552	lncRNA	-1.74	3.97E-03	2.38E-02
ENSG00000279712	FP32530.3	22	47916728	47926264	9536	lncRNA	-1.74	1.77E-05	6.05E-04
ENSG00000237525	AC012668.3	2	215533133	215713895	180762	lncRNA	-1.74	1.27E-03	1.09E-02
ENSG00000162456	KNCN	1	46545641	46551647	6006	protein coding	-1.74	8.34E-04	8.25E-03
ENSG00000140505	CYP1A2	15	74748845	74756607	7762	protein coding	-1.74	1.02E-03	9.43E-03
ENSG00000260440	LINC01544	18	61748082	61758464	10382	lncRNA	-1.74	3.03E-04	4.19E-03
ENSG00000182950	ODF3L1	15	75724041	75727688	3647	protein coding	-1.74	2.35E-03	1.68E-02
ENSG00000142619	PADI3	1	17249098	17284233	35135	protein coding	-1.74	4.87E-04	5.72E-03
ENSG00000250316	AC068880.1	8	19237737	19241912	4175	unprocessed pseudogene	-1.74	3.71E-03	2.28E-02
ENSG00000124212	PTGIS	20	49503874	49568137	64263	protein coding	-1.74	3.78E-04	4.83E-03
ENSG00000006042	TMEM98	17	32927910	32945106	17196	protein coding	-1.74	1.46E-05	5.39E-04
ENSG00000260604	AL590004.3	6	3904920	3911979	7059	lncRNA	-1.74	1.92E-05	6.37E-04
ENSG00000287630	AC011370.1	5	147725551	147728464	2913	lncRNA	-1.74	9.38E-04	8.91E-03
ENSG00000123999	INHA	2	219569162	219575711	6549	protein coding	-1.74	1.29E-03	1.10E-02
ENSG00000248587	GDNF-AS1	5	37811589	37953827	142238	lncRNA-antisense	-1.74	2.32E-05	7.22E-04
ENSG00000287161	AC093519.2	16	86899356	86961268	61912	lncRNA	-1.74	1.43E-04	2.50E-03
ENSG00000168398	BDKRB2	14	96204679	96244166	39487	protein coding	-1.74	1.93E-04	3.08E-03

ENSG00000153930	ANKFN1	17	55882301	56511659	629358	protein coding	-1.74	1.86E-05	6.26E-04
ENSG00000095981	KCNK16	6	39314698	39322968	8270	protein coding	-1.75	1.11E-03	9.91E-03
ENSG00000286620	AC239860.3	1	145459798	145462007	2209	TEC	-1.75	2.44E-03	1.71E-02
ENSG00000254008	LINC00051	8	142198356	142209003	10647	lncRNA-antisense	-1.75	3.98E-03	2.38E-02
ENSG00000251537	AC005324.2	17	15571491	15651653	80162	protein coding	-1.75	1.67E-03	1.32E-02
ENSG00000163218	PGLYRP4	1	153330120	153348841	18721	protein coding	-1.75	2.85E-03	1.91E-02
ENSG00000287079	AL109806.2	20	56550605	56555579	4974	lncRNA	-1.75	5.30E-04	6.05E-03
ENSG00000286346	AC021613.3	8	21167240	21170137	2897	lncRNA	-1.75	7.45E-03	3.66E-02
ENSG00000230468	CLUHP5	10	133657235	133660635	3400	unprocessed pseudogene	-1.75	1.05E-02	4.61E-02
ENSG00000267568	AC016168.2	17	76950317	76969156	18839	lncRNA	-1.75	1.47E-03	1.21E-02
ENSG00000100312	ACR	22	50738196	50745339	7143	protein coding	-1.75	4.34E-03	2.54E-02
ENSG00000226668	AL136981.1	9	92882567	92899608	17041	transcribed unprocessed pseudogene	-1.75	1.58E-03	1.27E-02
ENSG00000141441	GAREM1	18	32124877	32470882	346005	protein coding	-1.75	7.79E-06	3.52E-04
ENSG00000165891	E2F7	12	77021248	77065569	44321	protein coding	-1.75	5.11E-06	2.62E-04
ENSG00000261348	LINC02136	16	71366933	71426464	59531	lncRNA	-1.75	1.25E-03	1.08E-02
ENSG00000241111	PRICKLE2-AS1	3	64067964	64103131	35167	lncRNA-antisense	-1.75	1.33E-03	1.13E-02
ENSG00000279480	AC138466.4	12	132200436	132201287	851	TEC	-1.75	4.92E-03	2.77E-02
ENSG00000280222	AL365209.1	1	18109389	18115861	6472	TEC	-1.75	5.27E-05	1.27E-03
ENSG00000254966	AC103974.1	11	18706537	18740568	34031	lncRNA-antisense	-1.75	3.48E-03	2.18E-02
ENSG00000164972	C9orf24	9	34379019	34397810	18791	protein coding	-1.75	8.00E-05	1.70E-03
ENSG00000091428	RAPGEF4	2	172735274	173052893	317619	protein coding	-1.75	1.36E-06	1.06E-04
ENSG00000261275	AC092447.8	7	56493124	56497285	4161	lncRNA	-1.75	1.50E-03	1.23E-02
ENSG00000214347	AC011491.1	19	6393794	6412404	18610	transcribed unitary pseudogene	-1.75	8.23E-03	3.91E-02
ENSG00000283535	AC007064.4	22	16844399	16846357	1958	unprocessed pseudogene	-1.75	5.27E-03	2.90E-02
ENSG00000171671	SHANK2-AS3	11	70862790	70865115	2325	lncRNA-antisense	-1.75	6.92E-03	3.49E-02
ENSG00000261447	AL162412.1	9	69672749	69673713	964	lncRNA	-1.75	5.81E-03	3.10E-02
ENSG00000260577	AC126773.4	16	68644248	68646168	1920	lncRNA-antisense	-1.75	4.99E-03	2.80E-02
ENSG00000184845	DRD1	5	175440036	175444182	4146	protein coding	-1.75	1.76E-03	1.36E-02
ENSG00000235931	LINC01553	10	59955430	59960913	5483	lncRNA	-1.75	3.30E-03	2.10E-02
ENSG00000185985	SLITRK2	X	145817829	145829856	12027	protein coding	-1.75	6.64E-05	1.49E-03
ENSG00000285606	AC079200.1	8	10275499	10279737	4238	lncRNA-antisense	-1.75	7.12E-04	7.40E-03
ENSG00000007216	SLC13A2	17	28473293	28497781	24488	protein coding	-1.75	5.59E-05	1.32E-03
ENSG00000113578	FGF1	5	142592178	142698070	105892	protein coding	-1.75	3.37E-04	4.46E-03
ENSG00000226488	LINC01824	2	6495651	6511839	16188	lncRNA	-1.75	6.99E-03	3.51E-02
ENSG00000245248	USP2-AS1	11	119364359	119526664	162305	lncRNA-antisense	-1.75	3.85E-05	1.02E-03
ENSG00000198491	AC007920.1	3	187197090	187207629	10539	lncRNA-antisense	-1.75	8.35E-03	3.95E-02
ENSG00000108417	KRT37	17	41420547	41424585	4038	protein coding	-1.75	4.88E-04	5.72E-03
ENSG00000285587	AC012470.1	10	116274270	116281071	6801	lncRNA-bidirectional promoter lncRNA	-1.75	1.02E-02	4.53E-02
ENSG00000102468	HTR2A	13	46831546	46897076	65530	protein coding	-1.75	5.78E-04	6.42E-03
ENSG00000064655	EYA2	20	46894624	47188844	294220	protein coding	-1.75	1.22E-05	4.76E-04
ENSG00000069206	ADAM7	8	24440930	24526970	86040	protein coding	-1.76	7.00E-05	1.56E-03
ENSG00000263724	DLGAP1-AS3	18	3878058	3897609	19011	lncRNA-antisense	-1.76	1.72E-05	5.93E-04
ENSG00000186471	AKAP14	X	119895837	119920716	24879	protein coding	-1.76	1.52E-03	1.24E-02
ENSG00000172987	HPSE2	10	98457077	99235862	778785	protein coding	-1.76	5.51E-06	2.76E-04
ENSG00000260848	AC092114.1	16	73543927	73569309	25382	lncRNA	-1.76	3.02E-03	1.98E-02
ENSG00000224982	TMEM233	12	119593774	119643075	49301	protein coding	-1.76	3.19E-03	2.06E-02
ENSG00000171885	AQP4	18	26852043	26865717	13728	protein coding	-1.76	1.01E-03	9.39E-03
ENSG00000171346	KRT15	17	41513745	41522529	8784	protein coding	-1.76	1.48E-04	2.55E-03
ENSG00000269846	AL136172.1	20	37095785	37097178	1393	lncRNA-antisense	-1.76	8.14E-03	3.88E-02
ENSG00000244968	LIFR-AS1	5	38556765	38671216	114451	lncRNA-antisense	-1.76	6.17E-05	1.52E-03
ENSG00000270165	AC10530.1	16	67738588	67739922	1334	lncRNA-sense intronic	-1.76	5.16E-03	2.86E-02
ENSG00000132958	TPTE2	13	19422877	19536762	113885	protein coding	-1.76	2.15E-04	3.33E-03
ENSG00000197309	OR10D3	11	124183345	124188780	5435	protein coding	-1.76	8.57E-03	4.02E-02
ENSG00000267057	LINC01905	18	56031830	56135295	103465	lncRNA	-1.76	9.98E-04	9.30E-03
ENSG00000247345	AC092343.1	5	59039761	59063503	23742	lncRNA-antisense	-1.76	9.44E-03	4.29E-02
ENSG00000267489	LINC01837	19	31797666	32072113	274447	lncRNA	-1.76	1.23E-04	2.27E-03
ENSG00000267440	LINC02594	17	43679341	43706709	27368	lncRNA	-1.76	2.49E-03	1.74E-02
ENSG00000169213	RAB3B	1	51907956	51907000	82744	protein coding	-1.76	3.41E-05	9.39E-04
ENSG00000263375	AC233702.2	17	21592794	21594180	1386	processed pseudogene	-1.76	5.21E-03	2.87E-02
ENSG00000090534	THPO	3	184371935	184381968	10033	protein coding	-1.76	1.94E-03	1.47E-02
ENSG00000173077	DELEC1	9	114850968	115402644	551676	lncRNA	-1.76	3.50E-07	4.22E-05
ENSG00000286069	AC079698.2	12	53739611	53898976	159365	lncRNA	-1.76	2.43E-03	1.71E-02
ENSG00000179133	C10orf67	10	23202696	23344845	142149	protein coding	-1.76	3.30E-06	1.96E-04
ENSG00000137766	UNC13C	15	53978201	54633414	655213	protein coding	-1.76	4.50E-05	1.13E-03
ENSG00000073712	FERMT2	14	52857268	52952435	95167	protein coding	-1.76	4.62E-06	2.44E-04
ENSG00000253141	AC008632.1	5	173463484	173484584	21100	lncRNA	-1.76	6.35E-03	3.29E-02
ENSG00000284966	AL138689.2	13	106491147	106521630	30483	lncRNA-antisense	-1.76	1.05E-04	2.03E-03
ENSG00000260351	AC024270.1	15	83022571	83090782	68211	lncRNA-antisense	-1.76	8.03E-03	3.84E-02
ENSG00000285781	AL117340.1	10	31362799	31364049	1250	unprocessed pseudogene	-1.76	1.65E-03	1.31E-02
ENSG00000250041	AC069360.1	11	10884158	10899364	15206	lncRNA	-1.76	7.07E-03	3.53E-02
ENSG00000272674	PCDHB16	5	141181399	141186399	5000	protein coding	-1.76	6.58E-04	7.02E-03
ENSG00000108231	LG11	10	93757840	93806272	48432	protein coding	-1.76	6.02E-06	2.92E-04
ENSG00000155761	SPAG17	1	117953590	118185228	231638	protein coding	-1.76	2.60E-06	1.67E-04
ENSG00000280890	ELDR	7	55235965	55255635	19670	lncRNA	-1.76	6.61E-03	3.38E-02
ENSG00000204361	NXPE2	11	114678527	114707069	28542	protein coding	-1.76	1.01E-02	4.50E-02
ENSG00000282057	AC092807.3	1	85482281	85578250	95969	lncRNA	-1.76	1.20E-03	1.05E-02
ENSG00000182330	PRAMEF8	1	13281035	13285174	4139	protein coding	-1.76	1.03E-02	4.57E-02
ENSG00000163217	BMP10	2	68860909	68871397	10488	protein coding	-1.76	4.51E-03	2.61E-02
ENSG00000131738	KRT33B	17	41363498	41369813	6315	protein coding	-1.76	7.28E-03	3.60E-02
ENSG00000197532	OR6Y1	1	158544550	158554405	9855	protein coding	-1.76	4.70E-03	2.68E-02
ENSG00000171724	VAT1L	16	77788564	77980107	191543	protein coding	-1.76	1.26E-04	2.31E-03
ENSG00000077274	CAPN6	X	111245099	111270483	25384	protein coding	-1.77	3.52E-03	2.20E-02
ENSG00000115252	PDE1A	2	182140036	182523192	383156	protein coding	-1.77	1.34E-03	1.13E-02
ENSG00000284623	LINC02786	1	38129464	38140593	11129	lncRNA	-1.77	2.21E-03	1.61E-02
ENSG00000254561	AP00393.1	11	119608423	119659284	50861	lncRNA-antisense	-1.77	2.91E-04	4.07E-03
ENSG00000244040	IL12A-AS1	3	159902045	160225299	323254	lncRNA-antisense	-1.77	1.44E-05	5.36E-04
ENSG00000186732	MPPED1	22	43411196	43507848	96652	protein coding	-1.77	3.72E-07	4.43E-05
ENSG00000154997	SEPTIN14	7	55793540	55862755	69215	protein coding	-1.77	5.34E-04	6.08E-03
ENSG00000265158	LRRC37A7P	18	31724198	31726956	2758	transcribed processed pseudogene	-1.77	2.83E-03	1.90E-02
ENSG00000259560	AC020687.1	15	87325829	87703852	378023	lncRNA	-1.77	4.11E-03	2.44E-02

ENSG00000258676	AC091544.2	15	92580741	92600545	19804	lncRNA	-1.77	7.45E-04	7.64E-03
ENSG00000240687	AC082651.1	2	9638745	9712920	74175	lncRNA	-1.77	1.50E-03	1.23E-02
ENSG00000250893	AC098869.2	4	40426119	40427585	1466	lncRNA-antisense	-1.77	7.67E-03	3.73E-02
ENSG00000165325	DEUP1	11	93329971	93438487	108516	protein coding	-1.77	7.04E-04	7.34E-03
ENSG00000102290	PCDH11X	X	91779261	92623230	843969	protein coding	-1.77	1.40E-04	2.46E-03
ENSG00000230623	AC104461.1	1	200333193	200478669	145476	lncRNA	-1.77	5.09E-04	5.89E-03
ENSG00000259125	LRP1-AS	12	57144620	57147619	2999	lncRNA-antisense	-1.77	5.72E-03	3.07E-02
ENSG00000255346	NOX5	15	68930525	69062762	132237	protein coding	-1.77	1.18E-04	2.21E-03
ENSG00000285985	LINC02689	11	1350359	1364286	13927	lncRNA	-1.77	9.88E-04	9.23E-03
ENSG00000267719	LINC02078	17	79707266	79712317	5051	lncRNA	-1.77	8.71E-05	1.79E-03
ENSG00000106410	NOBOX	7	144397240	144410227	12987	protein coding	-1.77	8.75E-04	8.50E-03
ENSG00000113389	NPR3	5	32689070	32791724	102654	protein coding	-1.77	2.79E-07	3.63E-05
ENSG00000137875	BCL2L10	15	52109263	52112775	3512	protein coding	-1.77	8.13E-03	3.88E-02
ENSG00000137225	CAPN11	6	44158811	44184401	25590	protein coding	-1.77	2.87E-06	1.78E-04
ENSG00000257060	AC091078.1	15	93230034	93569483	339449	lncRNA	-1.77	1.06E-04	2.05E-03
ENSG00000226101	LINC02097	17	72072333	72103305	30702	lncRNA	-1.77	9.46E-04	8.96E-03
ENSG00000198183	BPIFA1	20	33235995	33243311	7316	protein coding	-1.77	3.61E-03	2.24E-02
ENSG00000226519	LINC00390	13	44094822	44147762	52940	lncRNA	-1.77	3.15E-04	4.28E-03
ENSG00000137033	IL33	9	6215786	6257983	42197	protein coding	-1.77	9.04E-03	4.16E-02
ENSG00000224271	AL117329.1	22	47630827	48023004	392177	lncRNA	-1.77	4.32E-08	9.91E-06
ENSG00000234736	FAM170B-AS1	10	49121839	49151547	29708	lncRNA-antisense	-1.77	2.63E-04	3.82E-03
ENSG00000287866	AC009102.4	16	56282886	56299351	16465	lncRNA	-1.77	1.07E-02	4.67E-02
ENSG00000228779	Z69666.1	16	125737	127219	1482	lncRNA-antisense	-1.77	6.47E-03	3.33E-02
ENSG00000125414	MYH2	17	10521148	10549700	28552	protein coding	-1.77	1.30E-03	1.11E-02
ENSG00000280117	AC122888.4	12	125160525	125164918	4393	TEC	-1.77	2.80E-03	1.89E-02
ENSG00000124557	BTN1A1	6	26501221	26510422	9201	protein coding	-1.77	1.22E-04	2.28E-03
ENSG00000184058	TBX1	22	19756703	19783593	26890	protein coding	-1.77	1.06E-06	8.90E-05
ENSG00000286393	Z97192.4	22	49662312	49664968	2656	lncRNA	-1.77	3.36E-04	4.46E-03
ENSG00000205212	CCDC144NL	17	20836447	20896140	59693	transcribed unprocessed pseudogene	-1.77	7.82E-05	1.67E-03
ENSG00000102195	GRP50	X	151176584	151181465	4881	protein coding	-1.77	2.36E-03	1.68E-02
ENSG00000079689	SCGN	6	25652201	25701783	49582	protein coding	-1.77	1.72E-03	1.35E-02
ENSG00000224682	SOC55P2	9	135447446	135450154	2708	processed pseudogene	-1.77	1.91E-03	1.45E-02
ENSG00000255258	LINC02743	11	133783671	133810376	28705	lncRNA	-1.77	3.07E-03	2.01E-02
ENSG00000277322	GOLGA6L6	15	20531856	20541800	9944	protein coding	-1.77	1.00E-02	4.47E-02
ENSG00000160868	CYP3A4	7	99756960	99784248	27288	protein coding	-1.77	2.22E-03	1.61E-02
ENSG00000227179	PGBP	1	111382860	111391819	8959	transcribed unprocessed pseudogene	-1.77	1.13E-02	4.87E-02
ENSG00000230133	LINC01721	20	24063255	24226013	162758	lncRNA	-1.77	7.02E-05	1.56E-03
ENSG00000232310	AL078590.2	6	134520163	134689399	169236	lncRNA	-1.77	2.42E-03	1.71E-02
ENSG00000251455	AC092811.1	4	151674483	151677893	3410	lncRNA-antisense	-1.77	6.45E-04	6.92E-03
ENSG00000084734	GCKR	2	27496839	27523684	28845	protein coding	-1.77	7.77E-04	7.87E-03
ENSG00000234910	IL6R1P1	9	90081297	90082569	1272	processed pseudogene	-1.78	4.59E-03	2.64E-02
ENSG00000251216	AC106895.2	4	173924207	173991024	66817	lncRNA	-1.78	9.16E-03	4.20E-02
ENSG00000253837	AC090197.1	8	23336171	23366125	29954	lncRNA	-1.78	1.01E-04	1.99E-03
ENSG00000134042	MRO	18	50795120	50825402	30282	protein coding	-1.78	6.91E-04	7.24E-03
ENSG00000277229	AC084781.1	15	58454327	58454982	655	lncRNA-sense intronic	-1.78	9.28E-03	4.24E-02
ENSG00000258584	FAM181A-AS1	14	93904730	93927066	22336	lncRNA-antisense	-1.78	1.55E-05	5.58E-04
ENSG00000287750	AL353572.4	9	88066445	88076975	10530	lncRNA	-1.78	8.50E-03	3.99E-02
ENSG00000235140	AC026391.1	10	59578467	59650345	71878	lncRNA	-1.78	7.20E-03	3.58E-02
ENSG00000258162	AC069228.1	12	81378042	81556637	178595	lncRNA-antisense	-1.78	1.55E-03	1.25E-02
ENSG00000267593	LINC01926	18	58808468	58834364	25896	lncRNA	-1.78	1.10E-02	4.78E-02
ENSG00000077279	DCX	X	111293779	111412429	118650	protein coding	-1.78	6.89E-05	1.54E-03
ENSG00000286339	Z99496.1	6	118565660	118576840	11180	lncRNA	-1.78	3.38E-03	2.14E-02
ENSG00000267530	LINC01836	19	782755	786902	3337	lncRNA	-1.78	2.75E-03	1.86E-02
ENSG00000285841	AC005692.3	7	141392155	141396517	4362	lncRNA	-1.78	1.69E-03	1.33E-02
ENSG00000287707	AC115284.4	3	51927071	51932483	5412	lncRNA	-1.78	1.96E-04	3.13E-03
ENSG00000255234	AP000446.1	11	83286120	83423516	137396	lncRNA-antisense	-1.78	5.18E-03	2.86E-02
ENSG00000075035	WSCD2	12	108129288	108250537	121249	protein coding	-1.78	6.05E-06	2.93E-04
ENSG00000153558	BFXL2	3	33277025	33403662	126637	protein coding	-1.78	2.44E-06	1.60E-04
ENSG00000287044	AL139106.1	6	108441880	108558286	116406	lncRNA	-1.78	1.29E-03	1.11E-02
ENSG00000172061	LRRC15	3	194355249	194369743	14494	protein coding	-1.78	2.13E-06	1.47E-04
ENSG00000157782	CABP1	12	120640552	120667324	26772	protein coding	-1.78	7.22E-08	1.38E-05
ENSG00000232265	LINC02805	1	148156139	148186980	30841	lncRNA	-1.78	1.57E-04	2.67E-03
ENSG00000224647	AC026954.1	17	7330452	73354113	4961	unitary pseudogene	-1.78	3.37E-03	2.14E-02
ENSG00000251249	AC097375.3	4	151955991	151969381	13390	lncRNA	-1.78	3.04E-03	1.99E-02
ENSG00000227404	KRT8P20	7	38655205	38656613	1408	processed pseudogene	-1.78	1.04E-02	4.60E-02
ENSG00000231574	LINC02015	3	177816865	177899224	82359	lncRNA	-1.78	4.39E-03	2.56E-02
ENSG00000224272	AC131097.2	2	241808312	241812016	3704	lncRNA-antisense	-1.78	3.97E-04	5.01E-03
ENSG00000237972	TUBG1P	7	43918697	43920054	1357	processed pseudogene	-1.78	6.68E-03	3.40E-02
ENSG00000235486	ANAPC1P6	2	106369724	106378247	8523	unprocessed pseudogene	-1.78	7.04E-03	3.52E-02
ENSG00000284430	AC020912.1	19	31100304	31147891	47677	lncRNA	-1.78	1.33E-04	2.39E-03
ENSG00000174844	DNAH12	3	57293699	57544344	250645	protein coding	-1.78	7.97E-09	3.11E-06
ENSG00000077800	FKBP6	7	73328161	73358637	30476	protein coding	-1.78	1.83E-03	1.41E-02
ENSG00000188784	PLA2G2E	1	19920009	19923617	3608	protein coding	-1.78	1.59E-03	1.28E-02
ENSG00000265763	ZNF488	10	47365496	47384293	18797	protein coding	-1.78	5.74E-04	6.39E-03
ENSG00000132321	IQCA1	2	236324147	236507535	183388	protein coding	-1.78	1.69E-06	1.26E-04
ENSG00000224973	LARGE-AS1	22	33725007	33750843	25836	lncRNA	-1.78	1.38E-04	2.45E-03
ENSG00000258422	AL160191.1	14	70187123	70230187	43064	lncRNA-antisense	-1.78	7.75E-03	3.75E-02
ENSG00000145975	FAM217A	6	4049434	4087344	37910	protein coding	-1.78	6.45E-03	3.33E-02
ENSG00000279091	AC026523.2	15	97533738	97541476	7738	TEC	-1.78	2.84E-04	4.01E-03
ENSG00000227237	AL672291.1	1	248859164	248864796	5632	lncRNA-antisense	-1.78	4.90E-04	5.74E-03
ENSG00000279578	AC04899.2	7	48847766	48851625	3859	TEC	-1.78	9.68E-03	4.37E-02
ENSG00000228623	ZNF883	9	112957722	113012227	54505	transcribed unprocessed pseudogene	-1.78	3.69E-05	9.92E-04
ENSG00000189348	FAM90A27P	19	53281559	53284944	3385	transcribed unprocessed pseudogene	-1.78	9.59E-04	9.06E-03
ENSG00000188783	PRELP	1	203475806	203491352	15546	protein coding	-1.79	7.06E-05	1.56E-03
ENSG00000267506	AC021683.2	17	77546940	77563243	16303	lncRNA	-1.79	5.40E-04	6.13E-03
ENSG00000279365	AP000695.3	21	36485867	36487760	1893	TEC	-1.79	6.52E-04	6.97E-03
ENSG00000260995	AL512634.1	9	79135374	79198314	62940	lncRNA	-1.79	8.83E-03	4.10E-02
ENSG00000126266	FFAR1	19	35351552	35353862	2310	protein coding	-1.79	1.11E-03	9.95E-03
ENSG00000288047	AP001992.3	11	119892700	119919966	27296	lncRNA	-1.79	4.37E-03	2.55E-02
ENSG00000198774	RASSF9	12	85800703	85836409	35706	protein coding	-1.79	1.06E-03	9.67E-03

ENSG00000278638	AC244093.5	17	37045228	37052890	7662	lncRNA-antisense	-1.79	4.07E-03	2.42E-02
ENSG00000262966	AC005695.1	17	9171068	9179118	8050	lncRNA-antisense	-1.79	3.60E-05	9.75E-04
ENSG00000101670	LIPG	18	49560699	49599185	38486	protein coding	-1.79	1.22E-06	9.76E-05
ENSG00000230523	LINC01756	1	29329620	29350114	20494	lncRNA	-1.79	1.19E-03	1.04E-02
ENSG00000253771	TPT2P1	13	24924677	24968487	43810	transcribed unprocessed pseudogene	-1.79	1.51E-04	2.60E-03
ENSG00000174567	GOLT1A	1	204198163	204213988	15825	protein coding	-1.79	1.92E-03	1.45E-02
ENSG00000285040	AC092723.4	16	85963328	85985386	22058	lncRNA	-1.79	3.32E-03	2.11E-02
ENSG00000213540	TXN2P1	1	84085741	84086233	492	processed pseudogene	-1.79	1.17E-02	4.99E-02
ENSG00000275830	AL390755.1	13	109988097	110129136	141039	lncRNA	-1.79	2.70E-04	3.88E-03
ENSG00000227301	AL356489.1	9	33719690	33722555	2865	lncRNA	-1.79	6.60E-03	3.38E-02
ENSG00000225857	LINC02816	1	180906651	180909166	2515	lncRNA	-1.79	9.33E-03	4.25E-02
ENSG00000217455	AC073316.1	7	3140234	3174654	34420	lncRNA	-1.79	2.20E-04	3.38E-03
ENSG0000047617	ANO2	12	5531869	5946232	414363	protein coding	-1.79	9.77E-06	4.10E-04
ENSG00000255491	AC100858.2	8	124811042	124857516	46474	lncRNA	-1.79	3.87E-07	4.53E-05
ENSG00000214491	SEC14L6	22	30522799	30546682	23883	protein coding	-1.79	1.38E-03	1.16E-02
ENSG00000214719	AC005662.1	17	30576464	30672789	96325	lncRNA	-1.79	6.64E-08	1.32E-05
ENSG00000138685	FGF2	4	122826708	122898236	71528	protein coding	-1.79	4.43E-04	5.37E-03
ENSG00000227555	MIR4290HG	9	90020654	90041499	20845	lncRNA	-1.79	3.94E-03	2.37E-02
ENSG00000236013	AL357146.1	6	139976352	140093721	117369	lncRNA	-1.79	7.67E-03	3.73E-02
ENSG00000149124	GLYAT	11	58640426	58731974	91548	protein coding	-1.79	4.66E-03	2.67E-02
ENSG0000027268	LHX1-DT	17	36861674	36936670	74996	lncRNA-antisense	-1.79	2.82E-04	4.00E-03
ENSG00000166923	GREM1	15	32718004	32745106	27102	protein coding	-1.79	9.09E-09	3.44E-06
ENSG00000255216	AP001360.1	11	120008044	120013620	5576	lncRNA	-1.79	6.06E-05	1.40E-03
ENSG00000271826	PLS3-AS1	X	115518182	115562731	44549	lncRNA-antisense	-1.79	1.01E-02	4.50E-02
ENSG00000288531	AL669831.7	1	860226	868202	7976	lncRNA	-1.79	6.58E-05	1.48E-03
ENSG00000106819	ASPN	9	92456205	92482506	28301	protein coding	-1.79	3.71E-03	2.28E-02
ENSG00000215478	CE55AP1	22	23359603	23387731	28128	transcribed unprocessed pseudogene	-1.79	5.06E-03	2.82E-02
ENSG00000175206	NPPA	1	11845709	11848345	2636	protein coding	-1.79	3.65E-03	2.25E-02
ENSG00000124721	DNAH8	6	38715311	39030792	315481	protein coding	-1.79	1.14E-08	4.07E-06
ENSG00000285875	AL035446.2	6	140575788	140898381	322593	lncRNA	-1.79	9.06E-03	4.17E-02
ENSG00000183067	IGSF5	21	39745407	39802096	56689	protein coding	-1.79	7.91E-04	7.96E-03
ENSG00000230990	AL049649.1	20	11234170	11301525	67355	lncRNA	-1.79	1.49E-03	1.22E-02
ENSG00000230533	AL356234.2	6	13765798	13776394	105986	lncRNA	-1.79	4.35E-03	2.55E-02
ENSG00000140557	ST8SIA2	15	92393881	92468728	74847	protein coding	-1.79	2.81E-07	3.63E-05
ENSG00000249335	AC093523.1	5	68792609	69007185	214576	lncRNA	-1.79	7.69E-03	3.73E-02
ENSG00000219073	CELA3B	1	21977022	21998642	21620	protein coding	-1.79	4.07E-03	2.42E-02
ENSG00000234139	AL035420.1	20	36051491	36085703	34212	lncRNA	-1.79	4.20E-05	1.08E-03
ENSG00000259776	AC093426.1	1	239247808	239250818	3010	lncRNA	-1.79	6.55E-03	3.36E-02
ENSG00000133105	RFXP2	13	31739526	31803389	63863	protein coding	-1.79	7.75E-05	1.66E-03
ENSG00000154478	GPR26	10	123666355	123697399	31044	protein coding	-1.79	5.03E-05	1.23E-03
ENSG00000121904	CSMD2	1	33513999	34165842	651843	protein coding	-1.79	2.57E-06	1.66E-04
ENSG00000286722	AC009244.1	7	129366827	129374486	7659	lncRNA	-1.79	5.05E-03	2.82E-02
ENSG00000182459	TEX19	17	82359247	82363775	4528	protein coding	-1.79	3.01E-03	1.98E-02
ENSG00000250423	KIAA1210	X	119078635	119150579	71944	protein coding	-1.79	4.74E-04	5.62E-03
ENSG00000287672	AC003086.1	7	91880791	91886490	5699	lncRNA	-1.79	2.08E-03	1.54E-02
ENSG00000264448	MIR378D2HG	8	93915734	93916682	948	lncRNA	-1.79	4.92E-03	2.77E-02
ENSG00000101448	EPPIN	20	45540626	45547752	7126	protein coding	-1.80	2.14E-03	1.57E-02
ENSG00000110887	DAO	12	108858932	108901043	42111	protein coding	-1.80	2.52E-04	3.70E-03
ENSG00000135750	KCNK1	1	233614106	233672514	58408	protein coding	-1.80	1.60E-05	5.66E-04
ENSG00000226759	DAB1-AS1	1	57860532	57880905	20373	lncRNA-antisense	-1.80	1.51E-04	2.59E-04
ENSG00000287122	AC026495.2	15	20301481	20331583	30102	lncRNA	-1.80	2.96E-05	8.50E-04
ENSG00000285269	AL160269.1	9	96235331	96352058	116727	protein coding	-1.80	7.28E-04	7.52E-03
ENSG00000214043	LINC02347	12	126438837	126472790	33953	lncRNA	-1.80	1.47E-04	2.54E-03
ENSG00000242221	PSG2	19	43064209	43083045	18836	protein coding	-1.80	3.03E-04	4.19E-03
ENSG00000285905	BMP8B-AS1	1	39779969	39781418	1449	lncRNA	-1.80	6.48E-03	3.34E-02
ENSG00000277870	FAM230A	22	18422244	18500594	78350	lncRNA	-1.80	5.57E-03	3.01E-02
ENSG00000144481	TRPM8	2	233917373	234019522	102149	protein coding	-1.80	2.95E-06	1.81E-04
ENSG00000171124	FUT3	19	5842888	5851474	8586	protein coding	-1.80	1.49E-03	1.22E-02
ENSG00000280310	AC092437.1	4	4820405	4821452	1047	TEC	-1.80	9.83E-03	4.41E-02
ENSG00000249550	LINC01234	12	113583886	113773726	189840	lncRNA	-1.80	1.61E-05	5.67E-04
ENSG00000151812	SLC35F4	14	57563920	57982194	418274	protein coding	-1.80	6.90E-04	7.24E-03
ENSG00000189152	GRAPL	17	19127535	19159187	31652	protein coding	-1.80	8.47E-04	8.33E-03
ENSG00000169327	OR5AU1	14	21148370	21159060	10690	protein coding	-1.80	7.30E-04	7.53E-03
ENSG00000168505	GBX2	2	236165236	236168386	3150	protein coding	-1.80	9.12E-04	8.74E-03
ENSG00000168631	MUCL3	6	30934523	30954221	19698	protein coding	-1.80	2.15E-03	1.58E-02
ENSG00000007171	NOS2	17	27756766	27800529	43763	protein coding	-1.80	7.63E-05	1.64E-03
ENSG00000261170	AC090953.3	16	74422120	74441937	19817	lncRNA-antisense	-1.80	1.12E-05	4.48E-04
ENSG00000232615	AC026412.2	5	1614836	1616334	1498	processed pseudogene	-1.80	5.43E-03	2.96E-02
ENSG00000261572	AC097639.1	3	32236688	32238578	1890	lncRNA-sense intronic	-1.80	1.74E-03	1.36E-02
ENSG00000279486	OR2AG1	11	6783020	6791558	8538	protein coding	-1.80	3.14E-03	2.04E-02
ENSG00000197614	MFAP5	12	8637346	8662888	25542	protein coding	-1.80	7.37E-04	7.58E-03
ENSG00000279460	AC112243.1	4	184984277	184988127	3850	TEC	-1.80	2.91E-03	1.94E-02
ENSG00000247381	PLUT	13	27819376	27917298	97922	lncRNA	-1.80	6.79E-03	3.44E-02
ENSG00000169604	ANTXR1	2	69013179	69249327	236148	protein coding	-1.80	3.10E-05	8.74E-04
ENSG00000184735	DDX53	X	22999960	23003589	3629	protein coding	-1.80	5.59E-03	3.01E-02
ENSG00000287608	AC022137.3	19	53434661	53473936	39275	lncRNA	-1.80	1.41E-03	1.17E-02
ENSG00000280623	PCAT14	22	23536881	23547797	10916	lncRNA	-1.80	8.75E-04	8.50E-03
ENSG00000286502	AL645768.1	9	134770651	134775671	5020	lncRNA	-1.80	5.84E-05	1.36E-03
ENSG00000184507	NUMT1	15	34343315	34357377	14422	protein coding	-1.80	2.85E-04	4.01E-03
ENSG00000185002	RFX6	6	116877212	116932161	54949	protein coding	-1.80	2.84E-03	1.90E-02
ENSG00000279879	AC091152.4	17	44689858	44693340	3482	TEC	-1.80	3.37E-03	2.14E-02
ENSG00000156076	WIF1	12	65050626	65121305	70679	protein coding	-1.80	3.57E-04	4.63E-03
ENSG00000165685	TMEM52B	12	10170542	10191801	21259	protein coding	-1.80	1.67E-04	2.79E-03
ENSG00000225511	LINC00475	9	92141298	92160114	18816	transcribed unprocessed pseudogene	-1.80	8.41E-06	3.69E-04
ENSG00000167941	SOST	17	43753738	43758791	5053	protein coding	-1.80	1.46E-04	2.53E-03
ENSG00000231876	AC009158.1	16	26302064	26340815	38751	lncRNA	-1.80	8.21E-04	8.17E-03
ENSG00000163666	HESX1	3	57197838	57227066	29768	protein coding	-1.80	1.20E-05	4.71E-04
ENSG00000266903	AC243964.3	19	44631573	44725217	93644	lncRNA-antisense	-1.80	2.30E-03	1.64E-02
ENSG00000234255	AC012370.2	2	65439838	65456571	16733	lncRNA	-1.80	4.92E-03	2.77E-02
ENSG00000271128	AL589743.3	14	19124807	19175530	50723	lncRNA	-1.81	2.57E-03	1.78E-02

ENSG0000007062	PROM1	4	15963076	16084378	121302	protein coding	-1.81	9.86E-07	8.45E-05
ENSG00000232662	LDHBP1	13	113276616	113277734	1118	processed_pseudogene	-1.81	1.14E-02	4.90E-02
ENSG00000261959	AC015909.3	17	50163523	50163516	1793	lncRNA-antisense	-1.81	9.31E-04	8.88E-03
ENSG00000129596	CDO1	5	115804733	115816659	11926	protein coding	-1.81	6.22E-04	6.74E-03
ENSG00000124467	PSG8	19	42752686	42855691	103005	protein coding	-1.81	2.76E-03	1.87E-02
ENSG00000254067	AC123767.1	8	39522976	39580134	57158	transcribed unitary_pseudogene	-1.81	1.08E-02	4.70E-02
ENSG00000249094	AC007834.1	12	109880676	109888467	7791	lncRNA	-1.81	3.79E-03	2.31E-02
ENSG00000183379	SYNDIG1L	14	74405894	74426210	20316	protein coding	-1.81	3.76E-05	1.00E-03
ENSG00000233296	TMEM18-DT	2	677186	697382	20196	lncRNA-antisense	-1.81	1.12E-06	9.20E-05
ENSG0000042304	C2orf83	2	227610090	227648606	38516	protein coding	-1.81	2.15E-03	1.57E-02
ENSG00000163631	ALB	4	73397114	73421482	24368	protein coding	-1.81	4.48E-04	5.42E-03
ENSG00000287410	AL161941.1	20	16177933	16259603	81670	lncRNA	-1.81	2.94E-04	4.09E-03
ENSG00000244675	AC108676.1	3	194496317	194501503	5186	lncRNA-sense overlapping	-1.81	9.12E-04	8.74E-03
ENSG00000235244	DANT2	X	115694880	115969130	274250	lncRNA	-1.81	1.24E-03	1.07E-02
ENSG00000167419	LPO	17	58218548	58268518	49970	protein coding	-1.81	1.07E-10	1.28E-07
ENSG00000227043	LINC01682	1	229812917	229892046	79129	lncRNA	-1.81	1.46E-03	1.20E-02
ENSG00000255158	AC131934.1	11	665910	678391	12481	lncRNA-antisense	-1.81	1.03E-02	4.58E-02
ENSG00000249364	AC112206.2	5	67379378	67806600	427222	lncRNA	-1.81	4.54E-04	5.46E-03
ENSG00000089225	TBX5	12	114353911	114408442	54531	protein coding	-1.81	3.33E-04	4.44E-03
ENSG00000256151	ADGRD1-AS1	12	130990138	130993976	3838	lncRNA	-1.81	5.39E-03	2.94E-02
ENSG00000287336	AL137157.1	1	172210711	172213499	2788	lncRNA	-1.81	5.16E-03	2.86E-02
ENSG00000285051	SLC7A14-AS1	3	170448639	170860993	412354	lncRNA	-1.81	4.51E-06	2.39E-04
ENSG00000204706	MAMDC2-AS1	9	70033921	70175888	141967	lncRNA-antisense	-1.81	4.35E-08	9.91E-06
ENSG00000283164	AC012567.3	2	230924567	230929919	5352	lncRNA-antisense	-1.81	5.10E-03	2.83E-02
ENSG00000286583	AC105101.2	18	48162039	48184725	22686	lncRNA	-1.81	2.79E-03	1.88E-02
ENSG00000249258	AC079193.2	8	17131181	17149789	18608	lncRNA	-1.81	1.45E-04	2.52E-03
ENSG00000213215	ORZF1	7	143954844	143997312	42468	protein coding	-1.81	4.19E-03	2.48E-02
ENSG00000287566	AL732437.3	10	5549637	5554329	4692	lncRNA	-1.81	1.02E-04	2.01E-03
ENSG00000188803	SHISA6	17	11241213	11564063	322850	protein coding	-1.81	2.04E-06	1.43E-04
ENSG00000235880	AL158832.1	9	267966	273002	5036	lncRNA-antisense	-1.81	9.67E-03	4.36E-02
ENSG00000243083	LINC00870	3	72151236	72207776	56540	lncRNA	-1.81	2.06E-05	6.67E-04
ENSG00000280011	AL031595.2	22	44210442	44229512	19070	lncRNA-antisense	-1.81	5.82E-09	2.42E-06
ENSG00000286950	AC087588.2	12	32755510	32756463	953	lncRNA	-1.81	1.10E-02	4.77E-02
ENSG00000285671	AL139405.1	10	14372001	14377586	5585	lncRNA	-1.81	1.30E-03	1.11E-02
ENSG00000229926	IL9RP1	9	138137095	138143864	6769	unprocessed_pseudogene	-1.81	3.30E-03	2.11E-02
ENSG00000268089	GABRQ	X	152637895	152657542	19647	protein coding	-1.82	9.12E-05	1.85E-03
ENSG00000287000	AC024651.3	15	97945208	97950018	4810	lncRNA	-1.82	1.06E-02	4.66E-02
ENSG00000140538	NTRK3	15	87859751	88256768	397017	protein coding	-1.82	1.45E-09	8.46E-07
ENSG00000167858	TEKT1	17	6789133	6831761	42628	protein coding	-1.82	1.24E-04	2.28E-03
ENSG00000172146	OR1A1	17	3207539	3218896	11357	protein coding	-1.82	2.80E-04	3.98E-03
ENSG00000236172	MIR7515HG	2	6615389	6651104	35715	lncRNA	-1.82	2.18E-05	6.90E-04
ENSG00000196136	SERPINA3	14	94612384	94624055	11671	protein coding	-1.82	1.16E-03	1.02E-02
ENSG00000288006	AC137735.3	17	73912190	73931436	19246	lncRNA	-1.82	7.88E-03	3.80E-02
ENSG00000214803	AC090921.1	8	124192671	124247398	54727	lncRNA	-1.82	1.08E-02	4.71E-02
ENSG00000234512	TLR12P	1	33466249	33468954	2705	unitary_pseudogene	-1.82	6.84E-04	7.20E-03
ENSG00000211654	IGLV5-37	22	22427540	22428035	495	IG_V_gene	-1.82	1.02E-02	4.55E-02
ENSG00000287990	AL358334.4	14	51022967	51031032	8065	lncRNA	-1.82	2.30E-03	1.65E-02
ENSG00000260633	AC010207.1	3	134347288	134349233	1945	lncRNA	-1.82	1.13E-02	4.87E-02
ENSG00000205940	HSP90AB2P	4	13333414	13338657	5243	transcribed processed_pseudogene	-1.82	7.41E-03	3.65E-02
ENSG00000241186	TDGF1	3	46574534	46582457	7923	protein coding	-1.82	7.86E-03	3.79E-02
ENSG00000177675	CD163L1	12	7346685	7479897	133212	protein coding	-1.82	1.22E-05	4.76E-04
ENSG00000228620	Z97056.1	22	38424288	38427336	3048	lncRNA-antisense	-1.82	7.81E-03	3.77E-02
ENSG00000276772	AC025271.4	15	57553955	57555680	1725	lncRNA	-1.82	7.28E-03	3.60E-02
ENSG00000267650	AC008742.1	19	9959597	9997163	1166	lncRNA-antisense	-1.82	1.06E-02	4.66E-02
ENSG00000275325	PDCD6IP1	15	22727104	22744918	17814	transcribed unprocessed_pseudogene	-1.82	6.29E-03	3.27E-02
ENSG00000102024	PLS3	X	115561174	115650861	89687	protein coding	-1.82	1.46E-04	2.53E-03
ENSG00000174948	GPR149	3	154334943	154403190	95247	protein coding	-1.82	1.79E-03	1.39E-02
ENSG00000258197	NKX2-2-AS1	20	21511447	21512309	862	lncRNA-antisense	-1.82	7.65E-03	3.73E-02
ENSG00000278522	POTEB3	15	21405401	21440499	35098	protein coding	-1.82	1.95E-03	1.47E-02
ENSG00000255883	FUNDC2P1	5	73508685	73509254	569	processed_pseudogene	-1.82	1.09E-03	9.83E-03
ENSG00000286326	Z95115.2	22	26597028	26611453	14425	lncRNA	-1.82	1.05E-04	2.04E-03
ENSG00000256195	AP002518.1	11	114343052	114396219	53167	lncRNA-antisense	-1.82	6.04E-04	6.60E-03
ENSG00000259882	AC142384.1	16	33577502	33622547	45045	unprocessed_pseudogene	-1.82	1.08E-02	4.71E-02
ENSG00000116031	CD207	2	70830211	70835816	5605	protein coding	-1.82	1.35E-04	2.40E-03
ENSG00000238125	SLC9A3P2	22	20652730	20654750	2020	processed_pseudogene	-1.82	5.07E-03	2.82E-02
ENSG00000173239	LIPM	10	88802730	88820546	17816	protein coding	-1.82	6.08E-03	3.19E-02
ENSG00000121101	TEX14	17	58556678	58692055	135377	protein coding	-1.82	1.23E-07	2.02E-05
ENSG00000213822	CEACAM18	19	51478622	51490952	12330	protein coding	-1.82	4.54E-03	2.62E-02
ENSG00000249306	LINC01411	5	174336295	174532457	196162	lncRNA	-1.82	7.22E-05	1.58E-03
ENSG00000259035	AL355838.1	14	81741002	82030349	289347	lncRNA	-1.82	3.20E-03	2.07E-02
ENSG00000181126	HLA-V	6	29790954	29797811	6857	transcribed unprocessed_pseudogene	-1.82	1.49E-07	2.33E-05
ENSG00000235142	LINC02532	6	106705334	106788148	82814	lncRNA	-1.82	2.52E-05	7.62E-04
ENSG00000229042	AL031656.1	20	42685404	42688562	3158	lncRNA-antisense	-1.82	5.00E-03	2.80E-02
ENSG00000143536	CRNN	1	152409243	152414263	5020	protein coding	-1.82	2.32E-03	1.66E-02
ENSG00000140459	CYP11A1	15	74337759	74367646	29887	protein coding	-1.82	9.58E-06	4.05E-04
ENSG00000253199	LINC02153	8	20972021	20995119	23098	lncRNA	-1.83	3.32E-04	4.44E-03
ENSG00000279845	AC097372.2	4	146180851	146181316	465	TEC	-1.83	8.23E-03	3.91E-02
ENSG00000103316	CRYM	16	21238874	21303083	64209	protein coding	-1.83	3.86E-06	2.16E-04
ENSG00000214691	LINC01913	2	41860155	41894050	33895	lncRNA	-1.83	5.41E-04	6.13E-03
ENSG00000233760	AC004947.1	7	26551686	26558880	7194	lncRNA	-1.83	1.55E-03	1.25E-02
ENSG00000203697	CAPN8	1	223538007	223665723	127716	protein coding	-1.83	9.64E-08	1.67E-05
ENSG00000276397	LINC01879	18	76686058	76693336	7578	lncRNA	-1.83	4.33E-03	2.54E-02
ENSG00000286708	AP003783.1	11	70886090	70896305	10215	lncRNA	-1.83	7.37E-05	1.60E-03
ENSG00000147255	IGSF1	X	131273506	131578899	305393	protein coding	-1.83	9.70E-07	8.33E-05
ENSG00000075643	MOCOS	18	36187497	36272157	84660	protein coding	-1.83	1.91E-05	6.37E-04
ENSG00000111339	ART4	12	14825569	14843526	17957	protein coding	-1.83	3.83E-03	2.33E-02
ENSG00000237153	AL162725.2	9	16917511	17114122	196611	lncRNA	-1.83	2.64E-03	1.81E-02
ENSG00000240405	SAMMSON	3	69999550	70518064	518514	lncRNA	-1.83	1.26E-06	9.97E-05
ENSG00000196132	MYT1	20	64102394	64242253	139859	protein coding	-1.83	2.73E-06	1.72E-04
ENSG00000142698	C1orf94	1	34166883	34219131	52248	protein coding	-1.83	1.08E-04	2.07E-03

ENSG00000214846	AC114744.1	4	15730962	15731627	665	processed_pseudogene	-1.83	6.18E-03	3.23E-02
ENSG00000261097	LINC005643	13	46296445	46297844	1399	lncRNA	-1.83	4.19E-04	5.17E-03
ENSG00000232872	CTAGE5P	13	51908218	51910621	2403	processed_pseudogene	-1.83	1.71E-03	1.34E-02
ENSG00000144406	UNC80	2	209771832	209999300	227468	protein_coding	-1.83	1.05E-06	8.84E-05
ENSG00000258460	AL355096.1	14	101332511	101335497	2986	lncRNA	-1.83	2.83E-03	1.90E-02
ENSG00000272425	AC009902.3	8	81275399	81277570	2171	lncRNA	-1.83	9.54E-03	4.32E-02
ENSG00000180616	SSTR2	17	73165010	73176633	11623	protein_coding	-1.83	2.56E-06	1.66E-04
ENSG00000227411	ACNATP	9	101334084	101339347	5263	unitary_pseudogene	-1.83	3.10E-03	2.02E-02
ENSG00000286641	AC108073.3	4	187942164	187963345	21181	lncRNA	-1.83	2.71E-03	1.85E-02
ENSG00000231258	ZSWIM5P2	17	20583758	20591180	7422	unprocessed_pseudogene	-1.83	3.07E-03	2.01E-02
ENSG00000197085	NPSR1-AS1	7	34346512	34871582	525070	lncRNA	-1.83	3.43E-04	4.53E-03
ENSG00000100078	PLAZG3	22	31134807	31140508	5701	protein_coding	-1.83	9.62E-04	9.07E-03
ENSG00000233639	PANTR1	2	104794848	104853183	58335	lncRNA	-1.83	2.23E-04	3.41E-03
ENSG00000286179	AL139351.2	20	48007875	48022337	14362	lncRNA	-1.83	9.76E-04	9.16E-03
ENSG00000225988	LAMP5-AS1	20	9505180	9514298	9818	lncRNA-antisense	-1.83	2.54E-03	1.76E-02
ENSG00000157399	ARSL	X	2934521	2968475	33954	protein_coding	-1.83	3.68E-04	4.74E-03
ENSG00000231317	AC091812.1	7	55656768	55678490	21722	unprocessed_pseudogene	-1.83	7.14E-03	3.56E-02
ENSG00000184148	SPRR4	1	152970648	152972574	1926	protein_coding	-1.83	9.54E-03	4.32E-02
ENSG00000132554	RG522	8	99960936	100131268	170332	protein_coding	-1.83	8.88E-06	3.83E-04
ENSG00000245598	DACT3-AS1	19	46660364	46677447	17083	lncRNA-antisense	-1.83	5.05E-03	2.82E-02
ENSG00000227947	LINC01738	1	47688463	47704029	15566	lncRNA	-1.83	3.29E-03	2.10E-02
ENSG00000228051	WBP11P3	X	80560146	80562054	1908	processed_pseudogene	-1.83	4.15E-03	2.46E-02
ENSG00000166948	TGM6	20	2380901	2432753	51852	protein_coding	-1.83	2.55E-04	3.73E-03
ENSG00000232306	AC012485.2	2	238295392	238300620	5228	lncRNA	-1.83	7.11E-03	3.55E-02
ENSG00000231831	MTHFD1P1	X	57392646	57395409	2763	processed_pseudogene	-1.84	3.49E-03	2.19E-02
ENSG00000186513	OR9Q2	11	58189070	58194053	4983	protein_coding	-1.84	1.33E-03	1.13E-02
ENSG00000287581	AC016549.1	5	14356886	14359285	2399	lncRNA	-1.84	1.21E-03	1.06E-02
ENSG00000170961	HAS2	8	121612116	121644400	29324	protein_coding	-1.84	1.29E-03	1.10E-02
ENSG00000237222	LINC01968	3	194708093	194826008	117915	lncRNA	-1.84	3.75E-05	1.00E-03
ENSG00000187527	ATP13A5	3	193274789	193378820	104031	protein_coding	-1.84	4.43E-06	2.38E-04
ENSG00000158315	RHBDL2	1	38885807	38941830	56023	protein_coding	-1.84	8.94E-05	1.82E-03
ENSG00000258609	LINC-ROR	18	57054558	57072119	17561	lncRNA	-1.84	1.25E-03	1.08E-02
ENSG00000170848	PSG6	19	42902086	42919563	17477	protein_coding	-1.84	1.74E-04	2.88E-03
ENSG00000188124	OR2AG2	11	6765628	6771978	6350	protein_coding	-1.84	1.68E-03	1.32E-02
ENSG00000268388	FENDRR	16	86474529	86509099	34570	lncRNA	-1.84	5.68E-06	2.81E-04
ENSG00000225718	AC092100.1	7	69186821	69430923	244102	lncRNA	-1.84	3.24E-03	2.08E-02
ENSG00000228056	CFL1P3	1	63843196	63843685	489	processed_pseudogene	-1.84	9.98E-03	4.47E-02
ENSG00000102239	BR33	X	136487947	136493780	5833	protein_coding	-1.84	4.28E-03	2.52E-02
ENSG00000220891	LL22NC03-63E9.3	22	22559343	22566602	7259	lncRNA-antisense	-1.84	5.37E-04	6.11E-03
ENSG00000248144	ADH1C	4	99336497	99352746	16249	protein_coding	-1.84	6.04E-03	3.18E-02
ENSG00000280061	AC011504.1	19	30553956	30558058	4102	TEC	-1.84	1.77E-03	1.37E-02
ENSG00000146267	FAXC	6	99271168	99350062	7894	protein_coding	-1.84	9.63E-05	1.93E-03
ENSG00000286411	AC002458.1	7	91030149	91033725	3576	lncRNA	-1.84	1.11E-02	4.81E-02
ENSG00000166049	PASD1	X	151563675	151676739	113064	protein_coding	-1.84	2.87E-04	4.03E-03
ENSG00000250961	AC025470.2	5	57395060	57534504	139444	lncRNA-antisense	-1.84	4.85E-03	2.75E-02
ENSG00000275038	AC091980.2	5	171305980	171309777	3797	lncRNA-antisense	-1.84	8.60E-04	8.40E-03
ENSG00000136487	GH2	17	63880215	63881944	1729	protein_coding	-1.84	9.59E-03	4.34E-02
ENSG00000235824	LINC00837	10	28789188	28796113	6925	lncRNA	-1.84	3.28E-03	2.10E-02
ENSG00000253690	AC021678.2	8	28250063	28339255	89192	lncRNA-antisense	-1.84	1.56E-03	1.26E-02
ENSG00000285812	AL390719.3	1	1097585	1104598	7013	lncRNA-antisense	-1.84	1.27E-03	1.09E-02
ENSG00000275722	LYZL6	17	35934518	35943713	9195	protein_coding	-1.84	1.53E-03	1.24E-02
ENSG00000158445	CNBN1	20	49293394	49484297	190903	protein_coding	-1.84	5.72E-07	5.93E-05
ENSG00000235012	JCADP1	21	39525583	39529855	4272	processed_pseudogene	-1.84	4.78E-04	5.65E-03
ENSG00000232591	LINC02642	10	7444340	7472040	27700	lncRNA	-1.84	8.93E-03	4.13E-02
ENSG00000249767	ENPP7P10	4	9079023	9141608	62585	unprocessed_pseudogene	-1.84	7.70E-03	3.74E-02
ENSG00000176256	HMCGB4	1	33860475	33864791	4316	protein_coding	-1.84	8.39E-04	8.28E-03
ENSG00000224853	LINC00393	13	73413473	73661891	248418	lncRNA	-1.84	1.10E-03	9.88E-03
ENSG00000260695	AC022164.1	16	65861112	65863784	2672	lncRNA	-1.84	4.48E-03	2.60E-02
ENSG00000286033	CR381670.2	21	8762386	8836565	74179	lncRNA	-1.84	7.49E-05	1.62E-03
ENSG00000173769	TOPAZ1	3	44241886	44332098	90212	protein_coding	-1.84	2.58E-04	3.77E-03
ENSG00000260266	PPIAP46	15	74350768	74364620	13852	transcribed_processed_pseudogene	-1.85	2.83E-03	1.90E-02
ENSG00000286627	AP005900.1	18	8012257	8016565	4308	lncRNA	-1.85	3.01E-03	1.98E-02
ENSG00000236466	AL035670.1	6	46492052	46606162	114110	lncRNA-antisense	-1.85	1.57E-04	2.67E-03
ENSG00000223784	LINP1	10	6709530	6740532	31002	lncRNA	-1.85	7.67E-04	7.79E-03
ENSG00000264859	DSG2-AS1	18	31542146	31556948	14802	lncRNA-antisense	-1.85	3.04E-03	1.99E-02
ENSG00000162279	AXDND1	1	179365720	179554735	189015	protein_coding	-1.85	3.18E-05	8.91E-04
ENSG00000137869	CYP19A1	15	51208057	51338601	130544	protein_coding	-1.85	9.48E-05	1.91E-03
ENSG00000283849	AC092053.2	3	39152906	39154723	1817	lncRNA-antisense	-1.85	2.09E-03	1.54E-02
ENSG00000243710	CFAP57	1	43172330	43254358	82028	protein_coding	-1.85	6.06E-06	2.93E-04
ENSG00000214146	LINC02026	3	193957372	194003760	46388	lncRNA	-1.85	1.91E-04	3.07E-03
ENSG00000205497	OR51A4	11	4942831	4947605	4774	protein_coding	-1.85	4.20E-03	2.48E-02
ENSG00000286799	AC124066.1	17	19362760	19370236	7476	lncRNA	-1.85	5.64E-03	3.04E-02
ENSG00000169618	PROKR1	2	68643579	68658251	14672	protein_coding	-1.85	3.33E-03	2.12E-02
ENSG00000226251	LINC02608	1	212225278	212338977	13699	lncRNA	-1.85	2.70E-04	3.87E-03
ENSG00000281548	LINC00895	22	19565203	19566839	1636	lncRNA	-1.85	7.53E-03	3.68E-02
ENSG00000133454	MYO18B	22	25742144	26031045	288901	protein_coding	-1.85	4.27E-07	4.78E-05
ENSG00000197253	TPSB2	16	1227272	1230184	2912	protein_coding	-1.85	6.05E-04	6.61E-03
ENSG00000272381	LINC02664	10	31187715	31261910	74195	lncRNA	-1.85	5.45E-04	6.16E-03
ENSG00000104140	RHOV	15	40872214	40874234	2020	protein_coding	-1.85	2.18E-03	1.59E-02
ENSG00000237626	AL161629.1	9	89825964	90019549	193585	lncRNA	-1.85	5.47E-05	1.30E-03
ENSG00000233896	PDYN-AS1	20	1947246	2030028	82782	lncRNA-antisense	-1.85	3.01E-04	4.16E-03
ENSG00000168243	GN4G	1	235547685	235650754	103069	protein_coding	-1.85	1.07E-06	8.96E-05
ENSG00000234474	MIR3663HG	10	117144564	117169108	24544	lncRNA	-1.85	5.78E-03	3.09E-02
ENSG00000251046	ZNF969P	4	110415898	110418504	2606	processed_pseudogene	-1.85	2.76E-03	1.87E-02
ENSG00000078295	ADCY2	5	7396138	7830081	433943	protein_coding	-1.85	4.66E-08	1.04E-05
ENSG00000101440	ASIP	20	34194569	34269344	74775	protein_coding	-1.85	8.60E-04	8.40E-03
ENSG00000259417	CTXND1	15	80195481	80252213	56732	protein_coding	-1.85	1.80E-05	4.30E-04
ENSG00000260573	AC007493.1	16	50407184	50546347	139163	lncRNA	-1.85	1.35E-05	5.11E-04
ENSG00000179994	SPDYEP7	7	72862757	72871581	8824	transcribed_unprocessed_pseudogene	-1.85	5.66E-03	3.05E-02
ENSG00000189332	SLC25A51P4	11	18209138	18214562	5424	transcribed_unprocessed_pseudogene	-1.85	9.20E-04	8.80E-03

ENSG00000224931	AC152010.1	X	153122145	153128323	6178	processed_pseudogene	-1.85	5.95E-03	3.15E-02
ENSG00000234238	AC022498.1	3	188107072	188147310	40238	lncRNA	-1.85	5.08E-03	2.83E-02
ENSG00000242772	AKP2	2	31823413	31823817	404	processed_pseudogene	-1.85	2.20E-03	1.60E-02
ENSG00000254265	AC100810.2	8	1730206	1731452	1246	processed_pseudogene	-1.85	6.32E-03	3.28E-02
ENSG00000103710	RASL12	15	65053337	65076690	23353	protein_coding	-1.85	1.79E-03	1.38E-02
ENSG00000168356	SCN11A	3	38845764	39052157	206393	protein_coding	-1.85	1.82E-11	4.31E-08
ENSG00000157330	C1orf158	1	12746200	12763699	17499	protein_coding	-1.85	2.80E-04	3.98E-03
ENSG00000187672	ERC2	3	55508311	56468467	960156	protein_coding	-1.85	9.36E-07	8.17E-05
ENSG00000229116	AL137026.1	10	44282489	44293998	11509	lncRNA	-1.86	6.81E-04	7.18E-03
ENSG00000246465	AC138904.1	16	28284885	28292064	7179	lncRNA	-1.86	5.31E-04	6.06E-03
ENSG00000168418	KCNG4	16	84218667	84239750	21083	protein_coding	-1.86	2.55E-07	3.39E-05
ENSG00000172318	B3GALT1	2	167868948	167874041	5093	protein_coding	-1.86	4.37E-03	2.55E-02
ENSG00000116329	OPRD1	1	28812142	28871267	59125	protein_coding	-1.86	3.31E-06	1.96E-04
ENSG00000226789	WBP11P2	2	127247258	127250082	2824	processed_pseudogene	-1.86	3.52E-03	2.20E-02
ENSG00000233608	TWIST2	2	238848032	238910534	62502	protein_coding	-1.86	4.69E-04	5.57E-03
ENSG00000213176	RPL13P6	14	103041469	103042094	625	processed_pseudogene	-1.86	6.77E-03	3.43E-02
ENSG00000227115	LINC01630	18	51346249	51643939	297690	lncRNA	-1.86	3.31E-07	4.10E-05
ENSG00000255082	GRM5-AS1	11	88504576	88524054	19478	lncRNA-antisense	-1.86	4.95E-04	5.77E-03
ENSG00000165694	FRMD7	X	132076990	132128020	51030	protein_coding	-1.86	6.84E-04	7.20E-03
ENSG00000226250	LINC00408	13	18905419	18935554	30135	lncRNA	-1.86	2.26E-03	1.63E-02
ENSG00000286732	AC091181.2	17	57253236	57255855	2619	lncRNA	-1.86	7.68E-03	3.73E-02
ENSG00000249069	LINC01033	5	54313564	54415238	101674	lncRNA	-1.86	1.83E-04	2.98E-03
ENSG00000224893	LINC02840	6	152754903	152875991	121088	lncRNA	-1.86	3.71E-04	4.76E-03
ENSG00000180532	ZSCAN4	19	57668935	57679152	10217	protein_coding	-1.86	6.24E-03	3.25E-02
ENSG00000232139	LINC00867	10	118341437	118398468	57031	lncRNA	-1.86	5.88E-04	6.50E-03
ENSG00000236858	AL008638.2	22	27048144	27061247	13103	lncRNA	-1.86	2.42E-03	1.71E-02
ENSG00000287591	AL360169.3	6	158296671	158303372	6701	lncRNA	-1.86	4.60E-03	2.64E-02
ENSG00000137675	MMP27	11	102691487	102705769	14282	protein_coding	-1.86	7.95E-03	3.82E-02
ENSG00000116721	PRAMEF1	1	12791397	12796628	5231	protein_coding	-1.86	2.39E-03	1.69E-02
ENSG00000091583	APOH	17	66212033	66256525	44492	protein_coding	-1.86	5.21E-03	2.87E-02
ENSG00000279936	AC00806.1	19	37401404	37403846	2442	TEC	-1.86	3.04E-04	4.20E-03
ENSG00000231703	AL354993.1	20	53397661	53412910	15249	lncRNA-antisense	-1.86	3.20E-05	8.91E-04
ENSG00000197658	SLC22A24	11	63079940	63144221	64281	protein_coding	-1.86	5.49E-03	2.98E-02
ENSG00000204655	MOG	6	29657002	29672372	15370	protein_coding	-1.86	7.86E-04	7.93E-03
ENSG00000261018	AC002101.1	9	133611798	133633099	21301	lncRNA-antisense	-1.86	1.80E-03	1.39E-02
ENSG00000235054	LINC01777	1	4412027	4424689	12662	lncRNA	-1.86	9.98E-05	1.98E-03
ENSG00000248966	BCLAF1P1	5	110948029	110950780	2751	processed_pseudogene	-1.86	3.05E-03	2.00E-02
ENSG00000221843	C2orf16	2	27537386	27582721	45335	protein_coding	-1.86	1.49E-06	1.14E-04
ENSG00000259236	GOLGA8VP	15	101771758	101781989	10231	unprocessed_pseudogene	-1.86	2.45E-04	3.64E-03
ENSG00000165757	JCAD	10	30012803	30115494	102691	protein_coding	-1.86	6.95E-08	1.36E-05
ENSG00000287743	AL031289.2	1	40659848	40667480	7632	lncRNA	-1.86	9.36E-03	4.28E-02
ENSG00000255650	FAM222A-AS1	12	109734166	109773508	39342	lncRNA-antisense	-1.86	6.71E-04	7.10E-03
ENSG00000223930	AC117453.1	3	178164008	178385479	221471	lncRNA-antisense	-1.86	4.87E-05	1.20E-03
ENSG00000126785	RHOJ	14	63204114	63293508	89394	protein_coding	-1.86	1.10E-03	9.87E-03
ENSG00000173124	ACSM6	10	95194200	95228928	34728	protein_coding	-1.86	1.38E-03	1.15E-02
ENSG00000225877	PSG8-AS1	19	42821863	42826878	5015	lncRNA	-1.86	1.50E-03	1.22E-02
ENSG00000153904	DDAH1	1	85318481	85578363	259882	protein_coding	-1.86	3.78E-05	1.01E-03
ENSG00000286773	AL353593.3	1	228329467	228331191	1724	lncRNA	-1.86	9.23E-03	4.22E-02
ENSG00000257501	PAFAB1B2P2	12	97713412	97761859	48447	transcribed_processed_pseudogene	-1.86	1.72E-03	1.34E-02
ENSG00000203837	PNLIPRP3	10	116427847	116477957	50110	protein_coding	-1.86	3.30E-03	2.10E-02
ENSG00000223723	TFDP1P2	X	36962196	36963425	1229	processed_pseudogene	-1.86	6.85E-04	7.21E-03
ENSG00000229037	MRPL32P2	X	53807776	53808623	847	processed_pseudogene	-1.86	4.87E-03	2.76E-02
ENSG00000227098	AC073636.1	2	176830839	176849428	18589	lncRNA	-1.86	2.27E-03	1.63E-02
ENSG00000230612	AC004039.1	5	132688681	132723725	35044	lncRNA-antisense	-1.86	1.04E-02	4.59E-02
ENSG00000182898	TCHHL1	1	152084141	152089064	4923	protein_coding	-1.86	1.12E-03	1.00E-02
ENSG00000141434	MEP1B	18	32185069	32220404	35335	protein_coding	-1.86	1.01E-03	9.38E-03
ENSG00000260289	AC093515.1	16	7878799	8112756	233957	lncRNA	-1.86	4.88E-04	5.72E-03
ENSG00000258240	AC002351.1	12	110951683	110957820	6137	lncRNA	-1.87	7.80E-04	7.89E-03
ENSG00000175189	INHBC	12	57434784	57452062	17278	protein_coding	-1.87	5.20E-03	2.87E-02
ENSG00000244383	FAM3D-AS1	3	58607080	58644491	37411	lncRNA-antisense	-1.87	2.10E-03	1.55E-02
ENSG00000235584	AC008268.1	2	95660588	95668727	8139	lncRNA	-1.87	1.57E-04	2.67E-03
ENSG00000203908	KHDC3L	6	73362658	73364171	1513	protein_coding	-1.87	1.43E-03	1.18E-02
ENSG00000260477	LINC01584	15	86078809	86116747	37938	lncRNA-antisense	-1.87	2.25E-04	3.43E-03
ENSG00000176194	CIDEA	18	12254361	12277595	23234	protein_coding	-1.87	1.46E-04	2.53E-03
ENSG00000106025	TSPAN12	7	120787320	120858402	71082	protein_coding	-1.87	6.89E-04	7.23E-03
ENSG00000229466	LINC02627	10	105808225	105820349	12124	lncRNA	-1.87	8.16E-03	3.89E-02
ENSG00000134365	CFHR4	1	196888014	196918713	30699	protein_coding	-1.87	6.77E-03	3.43E-02
ENSG00000260785	CASC17	17	71097774	71202203	104429	lncRNA	-1.87	8.28E-03	3.92E-02
ENSG00000248152	ANK2-AS1	4	112973272	113071962	98690	lncRNA-antisense	-1.87	9.94E-04	9.27E-03
ENSG00000198812	LRRC10	12	69608564	69610907	2343	protein_coding	-1.87	6.41E-03	3.31E-02
ENSG00000287906	AC127526.5	11	3475280	3477065	1785	lncRNA	-1.87	5.03E-03	2.81E-02
ENSG00000253227	AC090192.2	8	124271667	124279580	7913	lncRNA	-1.87	1.07E-03	9.71E-03
ENSG00000285675	AC023385.1	8	10118005	10147423	29418	lncRNA-antisense	-1.87	1.91E-03	1.45E-02
ENSG00000261227	AC140912.1	16	73232055	73233970	1915	lncRNA	-1.87	1.74E-03	1.36E-02
ENSG00000227906	SNAP25-AS1	20	10006381	10368776	362395	lncRNA-antisense	-1.87	4.62E-06	2.44E-04
ENSG00000206172	HBA1	16	176680	177522	842	protein_coding	-1.87	9.29E-05	1.88E-03
ENSG00000268940	CT45A1	X	135713453	135723539	10086	protein_coding	-1.87	5.75E-05	1.35E-03
ENSG00000259425	AC011767.1	15	22770523	22776199	5676	transcribed_unprocessed_pseudogene	-1.87	8.81E-05	1.81E-03
ENSG00000196534	OR9K1P	12	55113077	55118632	5555	transcribed_unitary_pseudogene	-1.87	4.49E-03	2.60E-02
ENSG00000134962	KLB	4	39406930	39451533	44603	protein_coding	-1.87	7.66E-05	1.65E-03
ENSG00000283538	AC005972.3	17	62910021	62968549	58528	lncRNA	-1.87	4.50E-05	1.13E-03
ENSG00000226358	KRT8P38	10	88727485	88728914	1429	processed_pseudogene	-1.87	1.17E-02	4.98E-02
ENSG00000180525	PRR26	10	649948	669581	19633	lncRNA	-1.87	3.17E-06	1.90E-04
ENSG00000152208	GRID2	4	92303966	93810157	1506191	protein_coding	-1.87	1.08E-04	2.07E-03
ENSG00000239552	HOXB-AS2	17	48557262	48560333	3071	lncRNA-antisense	-1.87	1.05E-02	4.63E-02
ENSG00000176294	OR4N2	14	19719015	19830253	111238	protein_coding	-1.87	3.24E-03	2.08E-02
ENSG00000187012	LINC00207	22	44569295	44572453	3158	lncRNA	-1.87	8.94E-04	8.62E-03
ENSG00000162365	CYP4A22	1	47137435	47149375	12300	protein_coding	-1.87	1.03E-04	2.01E-03
ENSG00000234805	AC090505.1	3	194755589	194757422	1833	processed_pseudogene	-1.87	8.34E-04	8.25E-03
ENSG00000126010	GRPR	X	16123565	16135318	29953	protein_coding	-1.87	7.99E-05	1.69E-03

ENSG00000233048	LINC01722	20	12865202	12952519	87317	lncRNA	-1.87	1.07E-03	9.75E-03
ENSG00000175676	GOLGA8DP	15	23157366	23170711	13345	transcribed_unprocessed_pseudogene	-1.87	3.98E-03	2.39E-02
ENSG00000227917	AL449043.1	9	100804	110138	9334	lncRNA	-1.87	6.50E-03	3.34E-02
ENSG00000226622	AC092155.1	2	62533681	62662829	129148	lncRNA-antisense	-1.87	8.88E-05	1.81E-03
ENSG00000171056	SOX7	8	10723768	10730511	6743	protein coding	-1.87	2.59E-04	3.77E-03
ENSG00000224865	AC009518.1	7	131897289	131948953	51664	lncRNA	-1.87	1.59E-04	2.70E-03
ENSG00000163530	DPPA2	3	109293788	109316517	22729	protein coding	-1.87	3.99E-03	2.39E-02
ENSG00000177181	RIMKLA	1	42380792	42424232	43440	protein coding	-1.87	1.33E-07	2.16E-05
ENSG00000157214	STEAP2	7	90167590	90238137	70547	protein coding	-1.87	6.08E-05	1.40E-03
ENSG00000171433	GLD5	X	48761747	48773648	11901	protein coding	-1.87	4.03E-03	2.41E-02
ENSG00000242100	RPL9P32	19	29956369	29956988	619	processed_pseudogene	-1.87	4.40E-03	2.57E-02
ENSG00000267204	LINC01782	19	32102088	32105916	3828	lncRNA	-1.87	5.43E-04	6.14E-03
ENSG00000243388	RPL3P3	14	56978409	56979621	1212	processed_pseudogene	-1.87	8.00E-03	3.83E-02
ENSG00000273540	AGBL1	15	86079973	87029052	949079	protein coding	-1.87	4.68E-07	5.15E-05
ENSG00000235253	AC010240.2	5	132942932	132945050	2118	processed_pseudogene	-1.88	6.29E-04	6.78E-03
ENSG00000130055	GDPD2	X	70423031	70433390	10359	protein coding	-1.88	1.39E-03	1.16E-02
ENSG00000286289	AL133482.1	10	113482069	113492054	9885	lncRNA	-1.88	3.81E-03	2.32E-02
ENSG00000287469	AC044798.3	16	49072543	49275579	203036	lncRNA	-1.88	1.71E-05	5.89E-04
ENSG00000261683	LINC00838	10	33759713	33772702	12989	lncRNA	-1.88	7.76E-03	3.76E-02
ENSG00000221852	KRTAP1-5	17	41026026	41027208	1182	protein coding	-1.88	3.78E-03	2.31E-02
ENSG00000170605	OR9K2	12	55126406	55132750	6344	protein coding	-1.88	1.08E-02	4.70E-02
ENSG00000285632	AC084024.4	8	38223957	38231695	7738	lncRNA-bidirectional_promoter_lncRNA	-1.88	1.04E-02	4.60E-02
ENSG00000181626	ANKRD62	18	12093843	12129764	35921	protein coding	-1.88	1.01E-05	4.15E-04
ENSG00000227059	ANHX	12	133218312	133235877	17565	protein coding	-1.88	3.76E-05	1.00E-03
ENSG00000205108	FAM205A	9	34723053	34729488	6435	protein coding	-1.88	1.06E-03	9.66E-03
ENSG00000173093	CCDC63	12	110846769	110807535	60766	protein coding	-1.88	1.64E-04	2.75E-03
ENSG00000257398	AC126177.3	12	107809483	107864562	55079	lncRNA	-1.88	2.49E-05	7.57E-04
ENSG00000259299	AC061965.2	15	29233673	29235137	1464	processed_pseudogene	-1.88	2.67E-03	1.83E-02
ENSG00000153721	CNKSR3	6	154387515	154510685	123170	protein coding	-1.88	2.08E-07	3.01E-05
ENSG00000245384	CXXC-AS1	4	104490849	104734546	243697	lncRNA-antisense	-1.88	4.31E-05	1.10E-03
ENSG00000163762	TMSF18	3	149318498	149334414	15916	protein coding	-1.88	6.93E-04	7.27E-03
ENSG00000219294	PIF5K1P1	6	7986537	7988192	1655	processed_pseudogene	-1.88	5.72E-03	3.07E-02
ENSG00000231256	CFAP97D1	17	43780435	43787620	7185	protein coding	-1.88	2.66E-04	3.85E-03
ENSG00000144820	ADGRG7	3	100609601	100695479	85878	protein coding	-1.88	9.96E-05	1.98E-03
ENSG00000256987	AC023050.5	12	31953889	31955268	1379	processed_pseudogene	-1.88	7.22E-03	3.58E-02
ENSG00000260802	SERTM2	X	111511662	111522399	10737	protein coding	-1.88	1.06E-02	4.66E-02
ENSG00000260338	LINC01570	16	5596856	5616373	19517	lncRNA-antisense	-1.88	3.05E-04	4.20E-03
ENSG00000286922	AC068787.2	12	127486938	127533242	46304	lncRNA	-1.88	6.34E-03	3.29E-02
ENSG00000285867	BX470102.2	1	153586813	153606283	19470	lncRNA	-1.88	1.50E-03	1.22E-02
ENSG00000196301	HLA-DRB9	6	32459821	32473500	13679	unprocessed_pseudogene	-1.88	1.12E-02	4.84E-02
ENSG00000230563	AL121757.1	20	5445838	5475483	29645	lncRNA	-1.88	1.68E-04	2.80E-03
ENSG00000061492	WNT8A	5	138083990	138092365	8375	protein coding	-1.88	9.66E-04	9.10E-03
ENSG00000168032	ENTPD3	3	40387184	40428744	41560	protein coding	-1.88	4.80E-05	1.19E-03
ENSG00000285540	AC020203.2	10	114109856	114118700	8844	lncRNA	-1.88	2.20E-04	3.38E-03
ENSG00000254361	AC046195.2	8	137852204	138019873	167669	lncRNA	-1.88	1.11E-02	4.79E-02
ENSG00000273492	AP000229.1	21	26170871	26217381	46510	lncRNA	-1.88	2.64E-03	1.81E-02
ENSG00000264672	SEPTIN4-AS1	17	58519837	58557799	37962	lncRNA-antisense	-1.88	1.38E-03	1.15E-02
ENSG00000225670	CADM3-AS1	1	159194325	159207973	13648	lncRNA-antisense	-1.88	1.20E-04	2.23E-03
ENSG00000287636	AC005229.5	7	148584818	148625479	40661	lncRNA	-1.88	2.88E-03	1.92E-02
ENSG00000255248	MIR100HG	11	122028325	122556721	528396	lncRNA	-1.88	1.00E-06	8.55E-05
ENSG00000171815	PCDHB1	5	141051374	141059346	7972	protein coding	-1.88	2.03E-04	3.20E-03
ENSG00000105697	HAMP	19	35280716	35285143	4427	protein coding	-1.88	1.80E-04	2.95E-03
ENSG00000231119	AL031666.1	20	47352561	47354633	2072	lncRNA-antisense	-1.89	6.15E-04	6.69E-03
ENSG00000233123	LINC01007	7	101562779	101569006	6227	lncRNA	-1.89	3.77E-03	2.30E-02
ENSG00000286733	LINC02348	15	101602786	101614531	11745	lncRNA	-1.89	2.11E-06	1.46E-04
ENSG00000196660	SLC30A10	1	219685427	219958647	273220	protein coding	-1.89	1.32E-05	5.03E-04
ENSG00000229010	AL161672.1	1	23140325	23141142	817	processed_pseudogene	-1.89	2.76E-03	1.87E-02
ENSG00000271755	AL031118.1	6	27404010	27406964	2954	lncRNA	-1.89	2.32E-03	1.66E-02
ENSG00000163075	CFAP221	2	119544432	119662251	117819	protein coding	-1.89	1.53E-05	5.54E-04
ENSG00000106823	ECM2	9	92493554	92536655	43101	protein coding	-1.89	5.95E-05	1.38E-03
ENSG00000164303	ENPP6	4	184088706	184221230	132524	protein coding	-1.89	1.31E-04	2.36E-03
ENSG00000165182	CXorf58	X	23908006	23939509	31503	protein coding	-1.89	2.74E-03	1.86E-02
ENSG00000256417	AC006206.2	12	5290480	5383653	93173	lncRNA	-1.89	1.36E-03	1.15E-02
ENSG00000237290	LINC01343	1	38209034	38214806	5772	lncRNA	-1.89	7.66E-04	7.79E-03
ENSG00000188580	NKAIN2	6	123803865	124825640	1021775	protein coding	-1.89	1.23E-03	1.07E-02
ENSG00000219159	AC011298.1	2	240686334	240690414	4080	lncRNA	-1.89	2.80E-04	3.98E-03
ENSG00000248538	AC022784.1	8	9151695	9425524	273829	lncRNA	-1.89	7.69E-09	3.03E-06
ENSG00000214896	RPSAP5	15	52885595	52886470	875	processed_pseudogene	-1.89	6.35E-03	3.29E-02
ENSG00000285569	AC099344.3	2	11405508	11427186	21678	lncRNA	-1.89	1.75E-05	5.99E-04
ENSG00000257279	AC127164.1	12	116977442	116987337	9895	lncRNA-antisense	-1.89	3.46E-04	4.55E-03
ENSG00000286816	AP005273.2	11	64486136	64490674	4538	lncRNA	-1.89	1.17E-02	4.98E-02
ENSG00000287223	Z94277.1	X	42723209	42755892	32683	lncRNA	-1.89	7.96E-03	3.82E-02
ENSG00000287009	AC021037.1	10	96129055	96130528	1473	lncRNA	-1.89	3.26E-05	9.05E-04
ENSG00000233183	AL138889.1	6	33891327	33927631	36304	lncRNA	-1.89	9.43E-06	4.01E-04
ENSG00000287427	AL390236.1	10	128026878	128029444	2566	lncRNA	-1.89	3.11E-03	2.02E-02
ENSG00000239828	AC063944.1	3	107272611	107421338	148727	lncRNA	-1.89	1.32E-04	2.37E-03
ENSG00000285523	AC005906.3	12	5088002	5092742	4740	lncRNA	-1.89	6.71E-03	3.41E-02
ENSG00000226673	LINC01108	6	14280127	14285454	5327	lncRNA	-1.89	2.87E-04	4.03E-03
ENSG00000212658	KRTAP29-1	17	41301826	41302851	1025	protein coding	-1.89	7.62E-03	3.71E-02
ENSG00000228392	AL162391.1	9	126286999	126298593	11594	lncRNA	-1.89	5.59E-05	1.32E-03
ENSG00000239810	PRAMEF11	1	12824605	12831410	6805	protein coding	-1.89	2.14E-03	1.57E-02
ENSG00000271609	AC005632.4	16	21538487	21538794	307	processed_pseudogene	-1.89	7.33E-03	3.62E-02
ENSG00000287005	AC090018.2	3	195260632	195263628	2996	lncRNA	-1.89	3.49E-06	2.01E-04
ENSG00000162621	LRRRC53	1	74469376	74512611	43235	protein coding	-1.89	5.05E-03	2.82E-02
ENSG00000166211	SPIC	12	101475336	101486997	11661	protein coding	-1.89	7.89E-03	3.80E-02
ENSG00000286442	AL512603.1	10	23575012	23586224	11212	lncRNA	-1.89	3.89E-03	2.35E-02
ENSG00000284513	AC006063.2	12	4960113	4963450	3337	lncRNA	-1.90	5.46E-03	2.97E-02
ENSG00000259219	AC084855.2	15	99976481	99980774	4293	lncRNA-antisense	-1.90	1.28E-04	2.33E-03
ENSG00000204616	TRIM31	6	30102897	30113090	10193	protein coding	-1.90	1.19E-04	2.21E-03
ENSG00000261578	AP003119.3	11	76800364	76804555	4191	lncRNA-sense overlapping	-1.90	2.20E-03	1.60E-02

ENSG00000233478	AL031280.1	1	25644544	25659111	14567	lncRNA-antisense	-1.90	3.16E-04	4.29E-03
ENSG00000180785	OR51E1	11	4643420	4655488	12068	protein coding	-1.90	5.84E-04	6.47E-03
ENSG00000285595	AC105114.2	18	25196663	25218241	21578	lncRNA-antisense	-1.90	1.60E-03	1.28E-02
ENSG00000286279	AC108721.2	12	59322765	59436874	114109	lncRNA	-1.90	7.11E-03	3.55E-02
ENSG00000286635	AC006112.1	16	6380476	6395578	15102	lncRNA	-1.90	8.06E-03	3.85E-02
ENSG00000288549	AC026412.4	5	1639627	1644700	5073	lncRNA	-1.90	1.60E-04	2.70E-03
ENSG00000196972	SMIM10L2B	X	135094985	135098712	3727	protein coding	-1.90	1.82E-03	1.40E-02
ENSG00000267424	AC020934.1	19	12825711	12832983	7272	lncRNA-antisense	-1.90	1.08E-02	4.71E-02
ENSG00000137819	PAQR5	15	69298912	69407780	108868	protein coding	-1.90	2.37E-05	7.34E-04
ENSG00000283162	AL390726.5	9	38433696	38543880	110184	transcribed unprocessed pseudogene	-1.90	1.20E-04	2.23E-03
ENSG00000283095	FP565171.1	10	131891640	131895297	3657	lncRNA	-1.90	8.81E-04	8.53E-03
ENSG00000148408	CACNA1B	9	137877782	138124624	246842	protein coding	-1.90	4.02E-07	4.61E-05
ENSG00000184478	OR56A3	11	5938751	5951347	12596	protein coding	-1.90	6.55E-04	6.99E-03
ENSG00000237417	XRCC6P1	10	93206857	93209627	2770	processed pseudogene	-1.90	1.03E-03	9.46E-03
ENSG00000241469	LINC00635	3	107840228	107882250	42022	lncRNA	-1.90	3.07E-05	8.71E-04
ENSG00000224958	PGM5-AS1	9	68353614	68357893	4279	lncRNA-antisense	-1.90	5.19E-03	2.87E-02
ENSG00000173250	GPR151	5	146513103	146516190	3078	protein coding	-1.90	2.94E-03	1.95E-02
ENSG00000164434	FABP7	6	122779716	122784074	4358	protein coding	-1.90	1.11E-02	4.80E-02
ENSG00000100867	DHRS2	14	23630115	23645639	15524	protein coding	-1.90	1.24E-05	4.83E-04
ENSG00000137872	SEMA6D	15	47184101	47774228	590127	protein coding	-1.90	1.31E-05	5.02E-04
ENSG00000225156	AC012354.1	2	44954664	44968762	14098	lncRNA	-1.90	1.92E-03	1.45E-02
ENSG00000277526	AC245123.1	8	2562813	2623382	60569	lncRNA	-1.90	8.50E-04	8.34E-03
ENSG00000259168	AC104002.3	15	27483035	27541991	58956	lncRNA-antisense	-1.90	6.09E-03	3.20E-02
ENSG00000101892	ATP1B4	X	120362085	120383249	21164	protein coding	-1.90	2.22E-03	1.61E-02
ENSG00000232084	LINC01104	2	100208254	100251484	43230	lncRNA	-1.90	8.02E-04	8.04E-03
ENSG00000250708	LINC02269	4	173699082	174001488	302406	lncRNA	-1.90	1.16E-03	1.03E-02
ENSG00000268532	LINC02135	16	86286427	86293389	6962	lncRNA	-1.90	3.49E-04	4.56E-03
ENSG00000130377	ACSBG2	19	6135247	6193094	57847	protein coding	-1.90	2.27E-04	3.45E-03
ENSG00000257958	AC008125.1	12	115077325	115080153	2828	lncRNA	-1.90	3.94E-03	2.37E-02
ENSG00000258705	AC245055.2	14	22011910	22014964	3054	processed pseudogene	-1.91	5.09E-04	5.89E-03
ENSG00000229723	LINC01054	13	114329559	114333948	4389	lncRNA-antisense	-1.91	8.41E-03	3.97E-02
ENSG00000205301	MGAT4D	4	140442262	140498377	56115	protein coding	-1.91	8.71E-05	1.79E-03
ENSG00000172742	OR4D9	11	59511368	59520703	9335	protein coding	-1.91	3.01E-04	4.16E-03
ENSG00000232685	LINC00442	13	19008259	19026802	18543	lncRNA-antisense	-1.91	4.23E-03	2.49E-02
ENSG00000185860	CCDC190	1	162824458	162868815	44357	protein coding	-1.91	2.90E-04	4.06E-03
ENSG00000273274	ZBTB88	1	32465072	32496686	31614	protein coding	-1.91	2.20E-06	1.50E-04
ENSG00000105550	FGF21	19	48755524	48758333	2809	protein coding	-1.91	2.87E-03	1.92E-02
ENSG00000261285	AC009117.2	16	82491738	82575518	83780	lncRNA	-1.91	2.33E-03	1.67E-02
ENSG00000082126	MPP4	2	201644870	201698994	53824	protein coding	-1.91	2.35E-05	7.29E-04
ENSG00000229613	LINC01501	9	90462899	90583821	120922	lncRNA	-1.91	1.05E-04	2.04E-03
ENSG00000134940	ACRV1	11	125671522	125680874	9352	protein coding	-1.91	8.51E-03	3.99E-02
ENSG00000281196	LINC00934	12	119283825	119303380	19555	lncRNA	-1.91	1.16E-02	4.96E-02
ENSG00000279733	AP001642.1	11	88165575	88167891	2116	TEC	-1.91	1.04E-02	4.60E-02
ENSG00000228189	LINC02843	9	86627063	86652180	25117	lncRNA	-1.91	5.66E-05	1.33E-03
ENSG00000261303	AC022748.2	15	78660644	78736684	76040	transcribed unprocessed pseudogene	-1.91	7.46E-06	3.41E-04
ENSG00000228075	BOD1L2	18	57147087	57150410	3323	protein coding	-1.91	1.87E-04	3.02E-03
ENSG00000196240	ORT2T2	1	248445512	248455725	10213	protein coding	-1.91	5.46E-03	2.97E-02
ENSG00000230753	ZNF341-AS1	20	33787373	33811109	23736	lncRNA-antisense	-1.91	4.64E-03	2.66E-02
ENSG00000224609	HSD52	1	59131932	59296491	164559	lncRNA	-1.91	2.36E-08	6.72E-06
ENSG00000256340	ABC6P1	16	18571162	18598328	27166	transcribed unprocessed pseudogene	-1.91	8.08E-05	1.71E-03
ENSG00000213355	CNN2P8	2	94737337	94738249	912	processed pseudogene	-1.91	8.84E-03	4.10E-02
ENSG00000164326	CARTPT	5	71719275	71721048	1773	protein coding	-1.91	1.07E-02	4.67E-02
ENSG00000182585	EPGN	4	74308470	74316789	8319	protein coding	-1.91	6.02E-04	6.60E-03
ENSG00000267640	AC016582.3	19	37817359	37832160	14801	transcribed unprocessed pseudogene	-1.91	5.95E-07	6.10E-05
ENSG00000120952	PRAMEF2	1	12857086	12861909	4823	protein coding	-1.91	1.23E-03	1.07E-02
ENSG00000286043	AC091214.1	12	82673070	82888632	13562	lncRNA	-1.91	4.11E-03	2.44E-02
ENSG00000228330	AL355355.1	10	13142185	13142977	792	processed pseudogene	-1.91	4.58E-03	2.64E-02
ENSG00000233002	TBC1D26-AS1	17	15735023	15749192	14169	lncRNA-antisense	-1.91	1.92E-04	3.08E-03
ENSG00000153294	ADGRF4	6	47685864	47722021	36157	protein coding	-1.91	6.55E-03	3.36E-02
ENSG00000156968	MPV17L	16	15395754	15413271	17517	protein coding	-1.91	4.57E-05	1.14E-03
ENSG00000182698	RESP18	2	219327407	219333177	5770	protein coding	-1.91	4.69E-03	2.68E-02
ENSG00000181101	ENTR1P2	1	175044626	175045648	1022	processed pseudogene	-1.91	4.96E-03	2.79E-02
ENSG00000137975	CLCA2	1	86424171	86456553	32382	protein coding	-1.91	2.25E-04	3.43E-03
ENSG00000232554	RSU1P2	10	45099487	45154606	55119	transcribed unprocessed pseudogene	-1.91	3.52E-03	2.20E-02
ENSG0000077935	SMC1B	22	45344063	45413819	69556	protein coding	-1.92	2.10E-06	1.46E-04
ENSG00000280719	PCAT5	10	35778302	35800920	22618	lncRNA	-1.92	7.17E-03	3.57E-02
ENSG00000258791	LINC00520	14	55781132	55796731	15599	lncRNA	-1.92	2.56E-04	3.75E-03
ENSG00000231943	PGM5P4-AS1	2	113526836	113542694	15858	lncRNA	-1.92	4.23E-03	2.49E-02
ENSG00000132639	SNAP25	20	10218830	10307418	88588	protein coding	-1.92	6.75E-06	3.18E-04
ENSG00000226191	CLK3P2	1	247936061	247937513	1452	processed pseudogene	-1.92	1.39E-03	1.16E-02
ENSG00000285940	AC009899.1	18	37565281	37762131	196850	lncRNA-antisense	-1.92	1.37E-05	5.18E-04
ENSG00000215866	LINC01356	1	112820170	112850643	30473	lncRNA	-1.92	7.19E-05	1.58E-03
ENSG00000232511	OR2AH1P	11	56667545	56674664	7119	transcribed unprocessed pseudogene	-1.92	1.04E-02	4.61E-02
ENSG00000188089	PLA2G4E	15	41981582	42051190	69608	protein coding	-1.92	1.20E-05	4.71E-04
ENSG00000275431	AC244100.2	17	35983656	35990270	6614	lncRNA-antisense	-1.92	1.03E-05	4.21E-04
ENSG00000259697	AC126323.2	15	62196066	62222911	26845	lncRNA	-1.92	1.89E-03	1.44E-02
ENSG00000228789	HCG22	6	31053450	31059890	6440	transcribed unitary pseudogene	-1.92	2.13E-03	1.57E-02
ENSG00000268654	MIMT1	19	56840866	56848556	7690	lncRNA	-1.92	4.67E-03	2.67E-02
ENSG00000286450	AC021573.1	11	46920880	46929320	8440	lncRNA	-1.92	7.78E-03	3.76E-02
ENSG00000261033	AC005730.2	17	20008051	20009234	1183	lncRNA-antisense	-1.92	1.12E-03	1.00E-02
ENSG00000233542	AL391845.2	1	2013213	2015639	2426	lncRNA-antisense	-1.92	4.62E-04	5.52E-03
ENSG00000214929	SPAT1A31D1	9	81988772	81995253	6481	protein coding	-1.92	1.00E-03	9.33E-03
ENSG00000279790	AL590552.1	6	73971346	73973115	1769	TEC	-1.92	6.48E-03	3.34E-02
ENSG00000106536	POU6F2	7	38977909	39493095	515186	protein coding	-1.92	2.23E-07	3.16E-05
ENSG00000246022	ALDH1L1-AS2	3	126180012	126210169	30157	lncRNA-antisense	-1.92	1.46E-03	1.20E-02
ENSG00000153923	CLCA3P	1	86634273	86655376	21103	transcribed unprocessed pseudogene	-1.92	9.11E-04	8.74E-03
ENSG00000140798	ABCC12	16	48081006	48156018	75012	protein coding	-1.92	1.91E-06	1.36E-04
ENSG00000279302	AC013643.3	8	27701194	27703789	2595	TEC	-1.92	4.80E-04	5.66E-03
ENSG00000226277	AC105393.1	2	421057	424059	3002	lncRNA	-1.92	5.30E-04	6.05E-03
ENSG00000286400	AC110926.1	2	127141976	127143793	1817	lncRNA	-1.92	8.98E-03	4.14E-02

ENSG00000237038	USP17L8	8	7971661	7973253	1592	protein coding	-1.92	5.61E-04	6.29E-03
ENSG00000124260	MAGEA10	X	152133310	152138578	5268	protein coding	-1.92	7.16E-03	3.57E-02
ENSG00000279593	AL132642.2	14	93895762	93897759	1997	TEC	-1.92	7.33E-03	3.62E-02
ENSG00000077943	ITGA8	10	15513954	15719922	205968	protein coding	-1.92	2.70E-07	3.56E-05
ENSG00000144730	IL17RD	3	57089982	57170306	80324	protein coding	-1.92	3.45E-06	2.00E-04
ENSG00000141028	CDRT15P1	17	14024514	14025488	974	unprocessed pseudogene	-1.92	9.32E-04	8.88E-03
ENSG00000286765	AP005899.2	18	8971624	8974580	2956	lncRNA	-1.92	7.26E-03	3.60E-02
ENSG00000287084	AL355337.1	6	142671980	142681267	9287	lncRNA	-1.93	8.53E-04	8.36E-03
ENSG00000251400	ALDH7A1P1	5	77290268	77291800	1532	processed pseudogene	-1.93	4.66E-03	2.67E-02
ENSG00000262953	EIF4A1P9	17	2586330	2587866	1536	processed pseudogene	-1.93	1.93E-03	1.46E-02
ENSG00000259404	EFL1P1	15	84080168	84128604	48436	transcribed unprocessed pseudogene	-1.93	1.75E-04	2.89E-03
ENSG00000257884	AL512310.7	14	19677837	19680104	2267	transcribed processed pseudogene	-1.93	6.76E-06	3.18E-04
ENSG00000259130	AL133371.3	14	20870278	20873848	3570	lncRNA	-1.93	1.02E-02	4.55E-02
ENSG00000261873	SMIM36	17	55448433	55511444	63011	protein coding	-1.93	5.84E-05	1.36E-03
ENSG00000235180	LINC00661	10	126413869	126421879	8010	lncRNA	-1.93	3.64E-03	2.25E-02
ENSG00000285763	AL358777.3	6	10659498	10692860	33362	lncRNA-antisense	-1.93	6.98E-05	1.55E-03
ENSG00000186847	KRT14	17	41582279	41586895	4616	protein coding	-1.93	7.19E-05	1.58E-03
ENSG00000260009	LINC02130	16	14363109	14370266	7157	lncRNA	-1.93	1.03E-02	4.57E-02
ENSG00000268153	AC005176.1	19	39638685	39642401	3716	transcribed unprocessed pseudogene	-1.93	7.75E-03	3.75E-02
ENSG00000186225	ATP1A2	1	160115759	160143591	27832	protein coding	-1.93	6.01E-06	2.92E-04
ENSG00000253474	AC044893.1	8	49086301	49229174	142873	lncRNA	-1.93	9.53E-03	4.32E-02
ENSG00000250328	MG3C2805	5	122436497	122479087	42590	lncRNA-antisense	-1.93	3.47E-04	4.56E-03
ENSG00000243319	FGF14-IT1	13	102292327	102394519	102192	lncRNA-sense intronic	-1.93	3.81E-03	2.32E-02
ENSG00000181798	LINC00471	2	231508422	231514366	5944	lncRNA	-1.93	9.94E-04	9.27E-03
ENSG00000234381	MED15P7	22	15635180	15644330	9150	unprocessed pseudogene	-1.93	8.41E-03	3.97E-02
ENSG00000185479	KRT6B	12	52448651	52452146	5495	protein coding	-1.93	6.08E-05	1.40E-03
ENSG00000138379	MSTN	2	190055700	190062729	7029	protein coding	-1.93	9.12E-04	8.74E-03
ENSG00000145192	AHSG	3	186613060	186621318	8258	protein coding	-1.93	1.92E-04	3.08E-03
ENSG00000233143	DIRC3-AS1	2	217261699	217336120	74421	lncRNA	-1.93	7.30E-04	7.53E-03
ENSG00000267712	LINC01539	18	56083356	56137536	54180	lncRNA	-1.93	1.63E-04	2.75E-03
ENSG00000114248	LRR3C1	3	169839172	169869935	30763	protein coding	-1.93	1.61E-03	1.29E-02
ENSG00000169208	OR10G3	14	21568520	21580076	11556	protein coding	-1.93	2.83E-04	4.00E-03
ENSG00000116726	PRAMEF12	1	12773738	12777906	4168	protein coding	-1.93	1.53E-05	5.54E-04
ENSG00000086717	PPEF1	X	18675909	18827921	152012	protein coding	-1.93	2.02E-06	1.42E-04
ENSG00000156920	ADGRG4	X	136300963	136416890	115927	protein coding	-1.93	1.44E-04	2.52E-03
ENSG00000286428	AL161731.1	9	126701173	126704691	3518	lncRNA	-1.93	5.39E-04	6.12E-03
ENSG00000182264	IZUMO1	19	48740852	48746909	6057	protein coding	-1.93	2.21E-04	3.38E-03
ENSG00000165794	SLC39A2	14	20999255	21001871	2616	protein coding	-1.93	9.00E-03	4.15E-02
ENSG00000284957	AF131216.5	8	11479203	11481068	1865	lncRNA	-1.93	9.07E-03	4.17E-02
ENSG00000232148	FMO11P	1	166763334	166792767	29433	unprocessed pseudogene	-1.93	5.88E-03	3.12E-02
ENSG00000231434	HSP90AA3P	1	158523672	158525838	2166	processed pseudogene	-1.93	2.60E-03	1.80E-02
ENSG00000249948	GBA3	4	22692914	22819575	126661	polymorphic pseudogene	-1.93	7.59E-03	3.70E-02
ENSG00000267339	LINC00906	19	28883430	28970874	87444	lncRNA	-1.93	5.46E-05	1.30E-03
ENSG00000268864	AC011487.2	19	53599628	53608451	8823	transcribed unprocessed pseudogene	-1.93	3.66E-04	4.72E-03
ENSG00000278819	AC005156.1	7	92540268	92557877	17609	unprocessed pseudogene	-1.93	8.69E-03	4.05E-02
ENSG00000286951	AL356113.1	10	24410183	24416459	6276	lncRNA	-1.93	1.84E-03	1.41E-02
ENSG00000229537	LINC01739	1	62975751	63022504	46753	lncRNA	-1.93	1.09E-03	9.83E-03
ENSG00000287519	AC004921.2	7	77487317	77489865	11648	lncRNA	-1.93	2.42E-03	1.71E-02
ENSG00000287136	AC073578.5	12	131457018	131458324	1306	lncRNA	-1.93	9.10E-03	4.18E-02
ENSG00000235785	AL109767.1	14	99262948	99264735	1787	lncRNA-antisense	-1.94	1.10E-03	9.88E-03
ENSG00000286443	AC091178.2	17	39086976	39091942	4966	lncRNA	-1.94	3.75E-03	2.30E-02
ENSG00000237978	KCNMB2-AS1	3	178526505	178937352	410847	lncRNA-antisense	-1.94	6.30E-05	1.44E-03
ENSG00000204669	C9orf57	9	72051376	72072721	21345	protein coding	-1.94	5.85E-04	6.47E-03
ENSG00000237596	AL138828.1	6	135991936	136225751	23815	lncRNA-antisense	-1.94	6.74E-07	6.64E-05
ENSG00000132031	MATN3	2	19992052	20012668	20616	protein coding	-1.94	1.09E-04	2.08E-03
ENSG00000148798	INA	10	103277138	103290346	13208	protein coding	-1.94	1.50E-04	2.58E-03
ENSG00000197641	SERPINB13	18	63586989	63604639	17650	protein coding	-1.94	2.29E-05	7.18E-04
ENSG00000203782	LORICRIN	1	153259687	153262124	2437	protein coding	-1.94	1.65E-03	1.31E-02
ENSG00000259854	AP005233.1	11	69414307	69416832	2525	lncRNA	-1.94	8.01E-06	3.57E-04
ENSG00000146006	LRR12	5	138868921	138875368	6447	protein coding	-1.94	1.28E-05	4.96E-04
ENSG00000088926	F11	4	186266189	186289681	23492	protein coding	-1.94	7.23E-05	1.58E-03
ENSG00000264424	MYH4	17	10443290	10469559	28269	protein coding	-1.94	2.15E-08	6.28E-06
ENSG00000260186	LINC02137	16	58421326	58462470	41144	lncRNA	-1.94	2.81E-03	1.89E-02
ENSG00000287511	AL109984.1	20	52072685	52096480	23795	lncRNA	-1.94	8.88E-03	4.11E-02
ENSG00000182632	C6NYL2	10	42408168	42475349	67181	transcribed unprocessed pseudogene	-1.94	7.72E-04	7.83E-03
ENSG00000279076	AL136140.2	6	44551577	44553281	1704	TEC	-1.94	4.40E-03	2.57E-02
ENSG00000205359	SLOC6A1	5	102371774	102499016	127242	protein coding	-1.94	8.11E-04	8.11E-03
ENSG00000234438	KBTBD13	15	65076746	65079948	3202	protein coding	-1.94	8.22E-04	8.17E-03
ENSG00000166509	CLEC3A	16	78022515	78066761	44246	protein coding	-1.94	2.09E-03	1.54E-02
ENSG00000260209	AP000842.3	11	125873031	125874528	1497	lncRNA	-1.94	9.66E-03	4.36E-02
ENSG00000039537	C6	5	41142116	41261438	119322	protein coding	-1.94	8.75E-04	8.50E-03
ENSG00000227236	AL583844.1	1	235614674	235616397	1723	processed pseudogene	-1.94	5.27E-03	2.90E-02
ENSG00000091664	SLC17A6	11	22338381	22379503	41122	protein coding	-1.94	2.55E-03	1.77E-02
ENSG00000267762	AC048380.1	18	48673575	48688419	14844	lncRNA-antisense	-1.94	1.05E-02	4.62E-02
ENSG00000236643	AL354928.1	9	124770123	124772927	2804	lncRNA-antisense	-1.94	1.50E-03	1.23E-02
ENSG00000260555	AC092681.2	7	150000752	150005124	4372	lncRNA	-1.94	4.85E-04	5.71E-03
ENSG00000163915	IGF2BP2-AS1	3	185712528	18579787	17259	lncRNA-antisense	-1.94	1.03E-03	9.47E-03
ENSG00000254040	AC103719.1	8	21023276	21030368	7092	lncRNA	-1.94	9.84E-04	9.20E-03
ENSG00000288045	AL352979.4	14	52951432	52952864	1432	lncRNA	-1.94	2.80E-03	1.88E-02
ENSG00000248560	AC008620.2	5	181114106	181115674	1568	processed pseudogene	-1.94	6.20E-03	3.24E-02
ENSG00000164900	GBX1	7	151148589	151174745	26156	protein coding	-1.94	1.99E-03	1.49E-02
ENSG00000250899	AC125807.2	12	3041437	3044950	3513	lncRNA	-1.94	9.57E-05	1.92E-03
ENSG00000260765	CEP127	16	55728115	55750111	21996	unprocessed pseudogene	-1.94	1.51E-03	1.23E-02
ENSG00000186910	SERPINA11	14	94442464	94452800	10336	protein coding	-1.94	4.32E-03	2.54E-02
ENSG00000286698	AC027612.3	2	91759462	91767701	8239	lncRNA	-1.94	1.10E-02	4.78E-02
ENSG00000174740	PABPC5	X	91434595	91438584	3989	protein coding	-1.94	6.61E-04	7.03E-03
ENSG00000236501	AC074286.1	2	176989418	177164656	175238	lncRNA	-1.94	1.78E-04	2.92E-03
ENSG00000197408	CYP2B6	19	40991282	41018398	27116	protein coding	-1.95	7.01E-04	7.31E-03
ENSG00000285754	AC008170.1	2	34134371	34220575	86204	lncRNA	-1.95	6.88E-03	3.47E-02
ENSG00000280114	AL021920.2	1	16681097	16688749	7652	unprocessed pseudogene	-1.95	5.88E-03	3.12E-02

ENSG00000205266	KRT17P5	17	18415728	18425097	9369	transcribed unprocessed pseudogene	-1.95	1.08E-04	2.07E-03
ENSG00000286622	AC034111.2	8	9984004	10055041	71037	lncRNA	-1.95	9.80E-04	9.18E-03
ENSG00000261210	CLEC11A	16	19285731	19322145	36414	protein coding	-1.95	1.44E-04	2.52E-03
ENSG00000229608	GOLGA2P4	22	42784462	42787100	2638	unprocessed pseudogene	-1.95	2.73E-04	3.90E-03
ENSG00000228151	AC004941.1	7	149398204	149401456	3252	lncRNA-antisense	-1.95	3.06E-04	4.21E-03
ENSG00000183549	ACSM5	16	20409534	20441336	31802	protein coding	-1.95	4.49E-05	1.13E-03
ENSG0000086696	HSD17B2	16	82035004	82098534	63530	protein coding	-1.95	6.37E-06	3.05E-04
ENSG00000254135	AC091939.1	5	158485190	158588546	103356	lncRNA	-1.95	1.08E-03	9.79E-03
ENSG00000130368	MAS1	6	159890988	159917447	26459	protein coding	-1.95	2.49E-05	7.56E-04
ENSG00000161850	KRT82	12	52393931	52406335	12404	protein coding	-1.95	1.22E-04	2.26E-03
ENSG00000233405	LINC01046	13	21224521	21235204	10683	lncRNA	-1.95	3.16E-03	2.05E-02
ENSG00000142973	CYP4B1	1	46757838	46819413	61575	protein coding	-1.95	3.06E-05	8.68E-04
ENSG00000234726	AC245060.3	22	22228719	22230469	1750	processed pseudogene	-1.95	4.97E-03	2.79E-02
ENSG00000226308	AL122058.1	20	57266797	57282998	16201	lncRNA	-1.95	1.28E-03	1.10E-02
ENSG00000278338	VWA8-AS1	13	41955808	41981565	25757	lncRNA-antisense	-1.95	1.59E-03	1.28E-02
ENSG00000236539	HNRNPA1P54	1	179447602	179457315	9713	processed pseudogene	-1.95	8.06E-05	1.71E-03
ENSG00000112041	TULP1	6	35497874	35512896	15022	protein coding	-1.95	6.66E-06	3.15E-04
ENSG00000287325	AC138647.2	8	141507333	141509785	2452	lncRNA	-1.95	7.53E-03	3.68E-02
ENSG00000235430	ZSWIM5P1	17	15768717	15771426	2709	processed pseudogene	-1.95	1.12E-03	1.00E-02
ENSG00000257711	AC079385.2	12	106678583	106684707	6124	lncRNA-antisense	-1.95	3.03E-05	8.66E-04
ENSG00000183853	KIRREL1	1	157993273	158100262	106989	protein coding	-1.95	1.46E-08	4.73E-06
ENSG00000123560	PLP1	X	103773718	103792619	18901	protein coding	-1.95	2.49E-04	3.68E-03
ENSG00000186526	CYP4F8	19	15615218	15630639	15421	protein coding	-1.95	1.96E-05	6.46E-04
ENSG00000180475	OR10Q1	11	58227882	58228918	1036	protein coding	-1.95	6.00E-03	3.17E-02
ENSG00000215237	AL592293.1	9	14993312	15019729	28417	unprocessed pseudogene	-1.95	5.41E-04	6.13E-03
ENSG00000257896	AC083012.1	12	43736628	43741067	4439	transcribed unprocessed pseudogene	-1.95	4.95E-03	2.78E-02
ENSG00000260478	AC007333.1	16	52238081	52269574	31493	lncRNA	-1.95	9.91E-03	4.44E-02
ENSG00000114638	UPKB1	X	119173517	119205143	31626	protein coding	-1.95	2.68E-05	7.92E-04
ENSG00000271150	F8A3	3	155456914	155458620	1706	protein coding	-1.95	8.89E-05	1.81E-03
ENSG00000198022	SAG2EP	X	135673591	135686151	12560	unprocessed pseudogene	-1.95	7.85E-03	3.79E-02
ENSG00000254506	AP003080.1	11	101584295	101595156	10861	transcribed processed pseudogene	-1.95	6.70E-03	3.41E-02
ENSG00000230485	AC000077.1	22	19630750	19633574	2824	processed pseudogene	-1.96	1.66E-03	1.31E-02
ENSG00000212961	HNRNPA1P40	11	74354443	74355720	1277	processed pseudogene	-1.96	8.18E-03	3.89E-02
ENSG00000238247	RDXP3	X	27517884	27519759	1875	processed pseudogene	-1.96	5.55E-03	3.00E-02
ENSG00000145194	ECE2	3	184276011	184293031	17020	protein coding	-1.96	3.84E-04	4.89E-03
ENSG00000198028	ZNF560	19	9466355	9498616	32261	protein coding	-1.96	4.35E-04	5.29E-03
ENSG00000167798	C3P1	19	10037803	10074135	36332	transcribed unprocessed pseudogene	-1.96	4.70E-06	2.47E-04
ENSG00000205830	AC024132.1	4	27207505	27218404	10899	lncRNA	-1.96	5.75E-03	3.08E-02
ENSG00000286240	AL034422.1	20	37338886	37344109	5223	lncRNA	-1.96	7.95E-03	3.82E-02
ENSG00000229717	AL10615.1	4	75822966	75838389	15423	lncRNA-antisense	-1.96	4.44E-03	2.59E-02
ENSG00000188910	GJB3	1	34781214	34786369	5155	protein coding	-1.96	2.87E-05	8.30E-04
ENSG00000159217	IGF2BP1	17	48997385	49056145	58760	protein coding	-1.96	1.13E-05	4.50E-04
ENSG00000203362	POLL-AS1	6	43588230	43591362	3132	lncRNA-antisense	-1.96	4.91E-03	2.77E-02
ENSG00000274261	AL130708.2	20	48406777	48410716	3939	lncRNA	-1.96	1.03E-02	4.56E-02
ENSG00000229558	SACS-AS1	13	23418971	23428869	9898	lncRNA	-1.96	9.34E-04	8.90E-03
ENSG00000126562	WNK4	17	42780610	42797066	16456	protein coding	-1.96	3.99E-07	4.59E-05
ENSG00000105549	THEG	19	361747	376026	14279	protein coding	-1.96	3.99E-06	2.20E-04
ENSG00000286884	AC012060.1	15	26261669	26265918	4249	lncRNA	-1.96	4.74E-03	2.70E-02
ENSG00000287003	AC008674.1	5	173757562	173773164	15602	lncRNA	-1.96	9.99E-04	9.30E-03
ENSG00000237686	AL109615.3	6	43995723	44074652	78929	lncRNA-antisense	-1.96	1.33E-04	2.39E-03
ENSG00000161594	KLHL10	17	41835685	41848384	12699	protein coding	-1.96	1.99E-04	3.16E-03
ENSG00000235358	AC093151.2	1	41242373	41284861	42488	lncRNA	-1.96	9.26E-08	1.63E-05
ENSG00000288162	AL596442.4	6	170135374	170142926	7552	lncRNA	-1.96	3.02E-03	1.99E-02
ENSG00000235023	AP001626.1	21	42648271	42651244	2973	lncRNA-antisense	-1.96	1.86E-05	6.25E-04
ENSG00000235979	AC004448.2	17	19417769	19492991	75222	lncRNA	-1.96	3.84E-05	1.02E-03
ENSG00000263571	AC004147.2	17	34155566	34165736	10170	lncRNA	-1.96	1.64E-04	2.75E-03
ENSG00000258776	AL161757.4	14	56817570	56893710	76140	lncRNA	-1.96	5.28E-03	2.90E-02
ENSG00000100191	SLC5A4	22	32218464	32255347	36883	protein coding	-1.96	8.95E-06	3.86E-04
ENSG00000174502	SLC26A9	1	205913048	205943460	30412	protein coding	-1.96	1.98E-06	1.40E-04
ENSG00000240253	FAR2P3	2	130690133	130718831	28698	transcribed unprocessed pseudogene	-1.96	8.26E-04	8.20E-03
ENSG00000101323	HAO1	20	7882985	7940458	57473	protein coding	-1.96	9.28E-03	4.24E-02
ENSG00000288029	AC115282.2	3	54033988	54058864	24876	lncRNA	-1.96	2.05E-04	3.23E-03
ENSG00000230628	AL160408.3	1	234669523	234696153	26630	lncRNA	-1.96	4.41E-03	2.57E-02
ENSG00000287029	AL162713.2	13	43786781	43814798	28017	lncRNA	-1.96	3.45E-04	4.54E-03
ENSG00000114113	RBP2	3	139452884	139480747	27863	protein coding	-1.96	1.28E-03	1.10E-02
ENSG00000132297	HHLA1	8	132061486	132111159	49673	protein coding	-1.96	1.54E-05	5.56E-04
ENSG00000231754	AL512380.1	6	21521678	21523783	2105	lncRNA	-1.96	5.47E-03	2.97E-02
ENSG00000220256	AC093802.1	2	239762860	239824764	61904	lncRNA	-1.96	2.18E-05	6.91E-04
ENSG00000229486	AC104454.1	1	84015865	84018371	2506	processed pseudogene	-1.96	2.37E-03	1.68E-02
ENSG00000227685	LINC02088	17	20612912	20633234	20322	lncRNA	-1.96	1.48E-03	1.21E-02
ENSG00000260664	AC004158.1	16	72425948	72533892	107944	lncRNA	-1.96	7.90E-04	7.96E-03
ENSG00000250748	AC025419.1	12	65466820	65642372	175552	lncRNA	-1.96	5.04E-05	1.23E-03
ENSG00000285810	AC018511.6	10	75041876	75055754	13878	lncRNA-antisense	-1.96	1.51E-03	1.23E-02
ENSG00000227674	LINC00355	13	63851197	64076044	224847	lncRNA	-1.96	1.07E-03	9.74E-03
ENSG00000262732	AC010401.1	16	13930677	13935635	4958	lncRNA-antisense	-1.97	1.04E-04	2.02E-03
ENSG00000161133	USP41	22	20350578	20390758	40180	protein coding	-1.97	3.83E-04	4.87E-03
ENSG00000106541	AGR2	7	16791811	16833433	41622	protein coding	-1.97	2.05E-03	1.52E-02
ENSG00000058085	LAMC2	1	183186238	183245127	58889	protein coding	-1.97	4.58E-05	1.14E-03
ENSG00000188558	OR2G6	1	248508073	248527337	19264	protein coding	-1.97	2.30E-04	3.49E-03
ENSG00000137707	BTG4	11	111467526	111512354	44828	protein coding	-1.97	7.97E-03	3.82E-02
ENSG00000165078	CPA6	8	67422038	67746378	324340	protein coding	-1.97	4.02E-05	1.05E-03
ENSG00000236133	LINC01069	13	77979817	77997881	18064	lncRNA	-1.97	5.61E-03	3.02E-02
ENSG00000133863	TEX15	8	30831544	30913008	81464	protein coding	-1.97	3.20E-04	4.32E-03
ENSG00000283175	AC007920.2	3	187291272	187297933	6661	lncRNA-antisense	-1.97	3.63E-03	2.25E-02
ENSG00000204949	FAM83A-AS1	8	123196536	123202743	6207	lncRNA-antisense	-1.97	5.69E-03	3.06E-02
ENSG00000260120	AC104066.3	4	52680609	52692999	12390	lncRNA	-1.97	5.62E-03	3.03E-02
ENSG00000229606	LINC01718	20	61079049	61083750	4701	lncRNA	-1.97	5.47E-04	6.17E-03
ENSG00000267733	AP005264.4	18	12201982	12223539	21557	transcribed processed pseudogene	-1.97	3.21E-06	1.92E-04
ENSG00000183862	CNMA2	X	151738451	151745304	6853	protein coding	-1.97	1.13E-03	1.00E-02
ENSG00000171804	WDR87	19	37884823	37906677	21854	protein coding	-1.97	2.66E-06	1.69E-04

ENSG00000264515	AC011474.1	19	29287011	29525752	238741	lncRNA	-1.97	1.82E-05	6.16E-04
ENSG00000196832	OR11G2	14	20190894	20201075	10181	protein coding	-1.97	4.47E-04	5.41E-03
ENSG00000263574	AC125421.1	17	73737854	73756932	19078	lncRNA	-1.97	8.17E-05	1.72E-03
ENSG00000258779	LINC01568	16	73386771	73504954	118183	lncRNA	-1.97	7.02E-07	6.80E-05
ENSG00000286826	AL136129.1	6	169097799	169102428	4629	lncRNA	-1.97	7.86E-03	3.79E-02
ENSG00000255159	AC026894.1	11	8768778	8810231	41453	lncRNA-antisense	-1.97	8.64E-03	4.04E-02
ENSG00000248319	LINC02275	4	169917761	169975904	58143	lncRNA	-1.97	8.97E-04	8.64E-03
ENSG00000102359	SRPX2	X	100644195	100675788	31593	protein coding	-1.97	1.07E-05	4.33E-04
ENSG00000273362	AP000547.2	22	16521059	16527237	6178	lncRNA	-1.97	8.42E-03	3.97E-02
ENSG00000234766	LINC01496	X	51498490	51511005	12515	lncRNA	-1.97	3.01E-03	1.98E-02
ENSG00000136943	CTSV	9	97029677	97039643	9966	protein coding	-1.97	1.76E-05	6.02E-04
ENSG00000242290	ZBTB20-AS5	3	114445521	114529452	83931	lncRNA	-1.97	1.76E-03	1.37E-02
ENSG00000282996	MPP7-DT	10	28303300	28307658	4358	lncRNA	-1.97	4.71E-03	2.69E-02
ENSG00000256150	ITFG2-AS1	12	2695765	2812902	117137	lncRNA	-1.97	1.12E-03	1.00E-02
ENSG00000146276	GABRR1	6	89177504	89231278	53774	protein coding	-1.97	6.95E-04	7.27E-03
ENSG00000279625	AL591122.1	1	22364630	22366482	1852	TEC	-1.97	6.10E-03	3.20E-02
ENSG00000226954	AL023802.1	22	49718053	49724506	6453	lncRNA	-1.97	4.28E-06	2.31E-04
ENSG00000186860	KRTAP17-1	17	41314912	41315710	798	protein coding	-1.97	3.23E-03	2.08E-02
ENSG00000270110	AL353593.2	1	228295549	228303002	7453	lncRNA-antisense	-1.97	6.95E-03	3.49E-02
ENSG00000286898	AL049569.2	1	16976302	16977792	1490	lncRNA	-1.97	8.56E-03	4.01E-02
ENSG00000261453	LINC01735	1	208606564	208614295	7731	lncRNA	-1.98	2.03E-03	1.51E-02
ENSG00000230323	LINC00159	21	32080316	32197813	117497	lncRNA	-1.98	7.70E-03	3.74E-02
ENSG00000250060	AC122710.1	5	6868554	6888087	19533	lncRNA	-1.98	3.16E-03	2.05E-02
ENSG00000238169	LINC01053	13	25168969	25190643	21674	lncRNA-antisense	-1.98	7.62E-03	3.71E-02
ENSG00000240048	DDX50P2	3	154352136	154354799	2663	processed pseudogene	-1.98	3.11E-03	2.02E-02
ENSG00000177462	OR2T8	1	247920252	247921956	1704	protein coding	-1.98	2.79E-03	1.88E-02
ENSG00000266261	AC005324.4	17	15651590	15654489	2899	lncRNA-antisense	-1.98	5.06E-03	2.82E-02
ENSG00000285820	AL17829.1	9	116838144	116877264	39120	lncRNA-antisense	-1.98	1.84E-03	1.41E-02
ENSG00000153012	LG12	4	24998847	25030946	32099	protein coding	-1.98	1.89E-05	6.32E-04
ENSG00000269927	AC004817.3	14	71141125	71134523	2128	lncRNA	-1.98	5.31E-03	2.91E-02
ENSG00000147081	AKAP4	X	50190777	50201007	10230	protein coding	-1.98	4.23E-03	2.49E-02
ENSG00000148082	SHC3	9	89005771	89178818	173047	protein coding	-1.98	6.61E-08	1.32E-05
ENSG00000204684	AL133464.1	20	22371216	22471557	100341	lncRNA	-1.98	7.82E-07	7.36E-05
ENSG00000230506	AL354824.1	20	10172522	10200824	28302	lncRNA	-1.98	1.13E-02	4.84E-02
ENSG00000187185	AC092118.1	16	57798186	57816946	18760	lncRNA	-1.98	2.54E-04	3.73E-03
ENSG00000170608	FOXA3	19	45863989	45873797	9808	protein coding	-1.98	2.04E-03	1.52E-02
ENSG00000225746	MEG8	14	100894770	101038859	144089	lncRNA	-1.98	1.80E-09	1.02E-06
ENSG00000176798	OR51L1	11	4994851	5005536	10685	protein coding	-1.98	1.44E-04	2.52E-03
ENSG00000230221	AL157384.1	9	95292338	95294810	2472	processed pseudogene	-1.98	1.64E-03	1.31E-02
ENSG00000280039	RNTSKP23	16	23412380	23416680	4300	TEC	-1.98	2.21E-06	1.50E-04
ENSG00000260019	LINC01992	17	27928924	27991787	62863	lncRNA	-1.98	7.90E-05	1.68E-03
ENSG00000254401	LINC02752	11	11020883	11183611	162728	lncRNA	-1.98	3.52E-04	4.60E-03
ENSG00000166569	CPLX4	18	59275156	59318649	43493	protein coding	-1.98	1.86E-03	1.42E-02
ENSG00000263096	AC007638.2	17	55271504	55273653	2149	lncRNA-antisense	-1.98	8.61E-03	4.03E-02
ENSG00000272372	AC009102.2	16	56351886	56353524	1638	lncRNA-antisense	-1.98	1.10E-04	2.10E-03
ENSG00000226985	LINC01203	X	13333952	13403305	69083	lncRNA	-1.98	2.62E-06	1.68E-04
ENSG00000115963	RND3	2	150468195	150539011	70816	protein coding	-1.98	9.80E-04	9.18E-03
ENSG00000224222	LINC02636	10	69994276	70019496	25220	lncRNA	-1.98	1.07E-03	9.74E-03
ENSG00000205403	CFI	4	109740694	109802179	61485	protein coding	-1.99	1.19E-03	1.04E-02
ENSG00000186103	ARGFX	3	121567949	121590222	22673	protein coding	-1.99	1.32E-04	2.38E-03
ENSG00000231782	LINC000575	4	82610974	82621610	10636	lncRNA	-1.99	7.32E-03	3.62E-02
ENSG00000215162	LINC00269	X	69179557	69209924	30367	lncRNA	-1.99	5.55E-04	6.24E-03
ENSG00000285740	AC090692.3	11	35894987	35897735	2748	lncRNA	-1.99	7.17E-03	3.57E-02
ENSG00000249743	AC116345.1	5	73213930	73295258	81328	lncRNA	-1.99	2.24E-04	3.43E-03
ENSG00000254254	AC012349.1	8	56445807	56556513	110706	lncRNA-antisense	-1.99	3.39E-07	4.14E-05
ENSG00000182645	CDC172	10	116324448	116380029	55581	protein coding	-1.99	1.44E-03	1.19E-02
ENSG00000237365	AL512330.1	1	7008376	7014279	5903	lncRNA-antisense	-1.99	6.04E-03	3.18E-02
ENSG00000256811	AC079360.1	12	121856259	121857059	800	lncRNA-antisense	-1.99	1.13E-02	4.87E-02
ENSG00000267166	AC007993.1	17	43922775	43927388	4613	unprocessed pseudogene	-1.99	2.05E-04	3.23E-03
ENSG00000173572	NLRP13	19	55891699	55932336	40637	protein coding	-1.99	2.54E-05	7.66E-04
ENSG00000254443	AC068733.1	11	6362799	6365267	2468	lncRNA	-1.99	2.77E-03	1.87E-02
ENSG00000101076	HNF4A	20	44355700	44434596	78896	protein coding	-1.99	9.18E-08	1.63E-05
ENSG00000268949	MRPS17P1	1	44988705	44991834	3129	processed pseudogene	-1.99	4.39E-04	5.34E-03
ENSG00000178130	FAM27E5	17	22298691	22299893	1202	lncRNA	-1.99	5.42E-03	2.95E-02
ENSG00000260071	AC012178.1	16	9365540	9518325	152785	lncRNA	-1.99	5.94E-06	2.90E-04
ENSG00000162409	PRKAA2	1	56645314	56715335	70021	protein coding	-1.99	2.94E-06	1.80E-04
ENSG00000287275	AC011451.4	19	9458119	9462388	4269	lncRNA	-1.99	1.51E-03	1.23E-02
ENSG00000244301	AOX3P	2	200678233	200734109	55876	transcribed unprocessed pseudogene	-1.99	1.82E-04	2.97E-03
ENSG00000239218	RPS20P22	8	38434347	38435664	1317	transcribed processed pseudogene	-1.99	3.67E-03	2.26E-02
ENSG00000260990	Z94057.1 (TNR-AS1)	1	175307218	175335459	28241	lncRNA-antisense	-1.99	7.33E-03	3.62E-02
ENSG00000095627	TDRD1	10	114179270	114232304	53034	protein coding	-1.99	1.82E-06	1.33E-04
ENSG00000273372	SFTPD-AS1	10	79968213	79973213	5000	lncRNA-antisense	-1.99	1.01E-03	9.34E-03
ENSG00000233821	ENOX1-AS1	13	43543918	43548056	4138	lncRNA	-1.99	9.45E-04	8.95E-03
ENSG00000281566	AL157778.1	X	98450688	98892061	441373	lncRNA	-1.99	1.17E-03	1.03E-02
ENSG00000155719	OTOA	16	21663968	21761935	97967	protein coding	-1.99	9.15E-06	3.93E-04
ENSG00000235062	BCRP5	22	20697962	20698934	972	unprocessed pseudogene	-1.99	8.42E-03	3.97E-02
ENSG00000157423	HYDIN	16	70802084	71230722	428638	protein coding	-1.99	4.27E-07	4.78E-05
ENSG00000255556	AC087203.2	8	12378679	12380265	1586	processed pseudogene	-1.99	1.57E-05	5.61E-04
ENSG00000171431	KRT20	17	40875889	40885242	9353	protein coding	-1.99	1.30E-03	1.11E-02
ENSG00000287587	AL158216.1	1	42036143	42051784	15641	lncRNA	-1.99	5.72E-03	3.07E-02
ENSG00000257551	HLX-AS1	1	220832763	220880140	47377	lncRNA-antisense	-1.99	4.22E-03	2.49E-02
ENSG00000153446	C16orf89	16	5044122	5066110	21988	protein coding	-1.99	4.40E-05	1.12E-03
ENSG00000262406	MMP12	11	102862736	102874982	12246	protein coding	-1.99	7.66E-03	3.73E-02
ENSG00000141338	ABCA8	17	68867289	68955392	88103	protein coding	-1.99	2.68E-08	7.52E-06
ENSG00000205363	INSY1	15	73735431	73752747	17316	protein coding	-2.00	3.13E-05	8.79E-04
ENSG00000182854	OR4F15	15	101812202	101820197	7995	protein coding	-2.00	8.40E-03	3.96E-02
ENSG00000286277	AL009177.1	6	14431683	14502701	71018	lncRNA	-2.00	7.74E-03	3.75E-02
ENSG00000279047	AC244517.5	5	141046260	141096402	50142	lncRNA-antisense	-2.00	5.19E-04	5.96E-03
ENSG00000226235	LEMD1-AS1	1	205373252	205387440	14188	lncRNA-antisense	-2.00	7.84E-04	7.92E-03
ENSG00000266979	LINC01180	17	44646364	44650349	3985	lncRNA	-2.00	1.47E-03	1.21E-02

ENSG00000259889	AC093802.2	2	239734956	239735538	582	lncRNA	-2.00	1.08E-02	4.71E-02
ENSG00000270035	AL359881.2	1	7698303	7698872	569	lncRNA	-2.00	8.00E-03	3.83E-02
ENSG00000287719	AP001531.1	18	8913999	8919414	5415	lncRNA	-2.00	4.57E-03	2.63E-02
ENSG0000011677	GABRA3	X	152166234	152451315	285081	protein coding	-2.00	6.60E-04	7.02E-03
ENSG00000233681	CEACAMP1	19	42620212	42633034	12822	unprocessed pseudogene	-2.00	8.72E-03	4.06E-02
ENSG00000260969	WWOX-AS1	16	78234652	78241989	7337	lncRNA-antisense	-2.00	8.84E-03	4.10E-02
ENSG00000228933	AC107419.1	X	27174920	27399006	224086	lncRNA	-2.00	3.84E-05	1.02E-03
ENSG00000205143	ARID3C	9	34621379	34628086	6707	protein coding	-2.00	1.16E-04	2.17E-03
ENSG00000233124	LINC00456	13	97168751	97187578	18827	lncRNA	-2.00	1.17E-03	1.03E-02
ENSG00000279669	AC079801.1	21	5232668	5243833	11165	lncRNA	-2.00	1.13E-02	4.85E-02
ENSG00000286960	AC009869.1	11	15864452	15883653	19201	lncRNA	-2.00	2.80E-03	1.89E-02
ENSG00000165192	ASB11	X	15281697	15315640	33943	protein coding	-2.00	2.35E-03	1.68E-02
ENSG00000241104	CEACAMP10	19	43211791	43248646	36855	transcribed processed pseudogene	-2.00	5.37E-03	2.94E-02
ENSG00000125999	BPIFB1	20	33273480	33309871	36391	protein coding	-2.00	2.10E-05	6.73E-04
ENSG00000163364	LINC01116	2	176629572	176637931	8359	lncRNA	-2.00	5.82E-04	6.45E-03
ENSG00000141748	ARL5C	17	39156894	39167484	10590	protein coding	-2.00	2.20E-04	3.38E-03
ENSG00000046774	MAGEC2	X	142202342	142205290	2948	protein coding	-2.00	1.83E-03	1.40E-02
ENSG00000214050	FBXO16	8	28348287	28490278	141991	protein coding	-2.00	4.88E-03	2.76E-02
ENSG00000148942	SLC5A12	11	26667020	26723427	56407	protein coding	-2.00	9.75E-05	1.94E-03
ENSG00000186105	LRRC70	5	62578819	62581446	2627	protein coding	-2.00	1.09E-02	4.75E-02
ENSG00000213512	GBP7	1	89131742	89176009	44267	protein coding	-2.00	8.44E-03	3.97E-02
ENSG00000249816	LINC00964	8	124823702	124962531	138829	lncRNA	-2.00	4.40E-06	2.37E-04
ENSG00000139304	PTPRQ	12	80402178	80680273	278095	protein coding	-2.00	2.56E-06	1.66E-04
ENSG00000198300	PEG3	19	56810077	56840728	30651	protein coding	-2.00	5.47E-06	2.74E-04
ENSG00000255107	AC079089.2	8	69859264	69860540	1276	processed pseudogene	-2.00	2.77E-03	1.87E-02
ENSG00000258909	AC091078.2	15	93416850	93422576	5726	lncRNA	-2.00	4.63E-04	5.53E-03
ENSG00000226521	AC087499.2	17	20716481	20737127	20646	transcribed unprocessed pseudogene	-2.00	1.80E-04	2.95E-03
ENSG00000267478	AP020414.3	18	12091674	12093141	1467	processed pseudogene	-2.00	1.26E-03	1.08E-02
ENSG00000251209	LINC00923	15	97572185	97875650	303465	lncRNA	-2.00	4.07E-09	1.90E-06
ENSG00000223991	AC104809.1	2	240981515	240986072	4557	lncRNA-antisense	-2.00	2.51E-05	7.60E-04
ENSG00000227544	AC018647.1	7	35715032	35734924	19892	lncRNA	-2.00	2.31E-06	1.53E-04
ENSG00000204928	GRXC2R	5	145858521	145937126	78605	protein coding	-2.00	1.90E-03	1.45E-02
ENSG00000088386	SLC15A1	13	98683801	98752672	68871	protein coding	-2.01	1.57E-05	5.61E-04
ENSG00000234942	GRID1-AS1	10	85577731	85607213	29482	lncRNA-antisense	-2.01	9.46E-03	4.29E-02
ENSG00000166426	CRABP1	15	78340353	78348225	7872	protein coding	-2.01	4.29E-03	2.52E-02
ENSG00000261522	AL845331.2	2	94575976	94587183	11207	transcribed unprocessed pseudogene	-2.01	7.77E-04	7.86E-03
ENSG00000229770	AL022337.1	22	26161905	26169341	7436	lncRNA-bidirectional promoter lncRNA	-2.01	1.43E-04	2.50E-03
ENSG00000285797	AL512658.2	6	156350579	156390246	39667	lncRNA	-2.01	2.63E-03	1.81E-02
ENSG00000205669	AC076	14	73610945	73619888	8943	protein coding	-2.01	4.92E-03	2.77E-02
ENSG00000228081	AC092810.1	1	209173014	209173375	361	processed pseudogene	-2.01	8.13E-03	3.88E-02
ENSG00000173702	MUC13	3	124905442	124953819	48377	protein coding	-2.01	8.85E-06	3.82E-04
ENSG00000256407	AL357673.1	1	54132686	54200073	67387	protein coding	-2.01	2.51E-03	1.75E-02
ENSG00000109061	MYH1	17	10492307	10518542	26235	protein coding	-2.01	6.24E-06	3.00E-04
ENSG00000268038	LINC01785	19	22615552	22623971	8419	lncRNA	-2.01	2.11E-03	1.55E-02
ENSG00000285914	AC022440.1	5	171724575	171737519	12944	lncRNA	-2.01	1.06E-03	9.70E-03
ENSG00000225849	MKRN7P	20	46463719	46477232	13513	transcribed processed pseudogene	-2.01	5.94E-03	3.15E-02
ENSG00000251459	AC013724.1	4	57490808	57495844	5036	lncRNA	-2.01	7.57E-03	3.70E-02
ENSG00000229699	AL161836.1	1	153174518	153191676	17158	lncRNA	-2.01	1.34E-03	1.13E-02
ENSG00000075290	WNT8B	10	100463009	100483744	20735	protein coding	-2.01	4.86E-04	5.71E-03
ENSG0000013293	SLC7A14	3	170459548	170586075	126527	protein coding	-2.01	2.26E-05	7.08E-04
ENSG00000287708	AL137017.1	9	14395791	14472407	76616	lncRNA	-2.01	3.75E-03	2.30E-02
ENSG00000220585	DDX18P6	10	91053051	91055047	1996	processed pseudogene	-2.01	1.09E-02	4.75E-02
ENSG00000184374	COLEC10	8	118995452	119108455	113003	protein coding	-2.01	6.36E-04	6.84E-03
ENSG00000197241	SLC2A7	1	9003300	9026345	23045	protein coding	-2.01	9.72E-05	1.94E-03
ENSG00000286421	AL360013.4	1	221555550	221563653	8103	lncRNA	-2.01	5.56E-03	3.01E-02
ENSG00000185674	LYG2	2	99242246	99255282	13036	protein coding	-2.01	1.64E-03	1.30E-02
ENSG00000259570	AC243562.1	15	84394512	84395514	1002	unprocessed pseudogene	-2.01	9.84E-03	4.42E-02
ENSG00000227406	RNF6P1	21	39373763	39377066	3303	processed pseudogene	-2.01	7.02E-03	3.51E-02
ENSG00000143494	VASH2	1	212950520	212992037	41517	protein coding	-2.01	3.28E-11	5.65E-08
ENSG00000253125	AC055854.1	8	22690150	22798616	108466	lncRNA	-2.01	4.12E-04	5.12E-03
ENSG00000102794	ACOD1	13	76948511	76958638	101227	protein coding	-2.01	1.46E-03	1.20E-02
ENSG00000267961	OR10B1P	19	15141105	15142062	957	unprocessed pseudogene	-2.01	3.87E-03	2.34E-02
ENSG00000228768	AC003101.1	17	31571142	31575659	4517	lncRNA	-2.01	7.48E-03	3.67E-02
ENSG00000271850	LINC02343	13	34347986	34616216	268230	lncRNA	-2.02	5.14E-03	2.85E-02
ENSG00000267308	LINC01764	19	15827005	15835853	8848	lncRNA	-2.02	1.52E-03	1.24E-02
ENSG00000172379	ARN2T	15	80404350	80597933	193583	protein coding	-2.02	1.81E-07	2.74E-05
ENSG00000260340	LINC02176	16	84928353	84939603	11250	lncRNA	-2.02	3.72E-03	2.28E-02
ENSG00000120289	MAGEB4	X	30242000	30244187	2187	protein coding	-2.02	7.54E-03	3.69E-02
ENSG00000280276	AC009229.4	2	38121935	38123881	1946	TEC	-2.02	6.78E-03	3.43E-02
ENSG00000219932	RPL12P8	10	67874332	67874911	579	processed pseudogene	-2.02	1.21E-03	1.05E-02
ENSG00000275340	FGD5P1	3	13933056	13937477	4421	transcribed unprocessed pseudogene	-2.02	2.10E-06	1.46E-04
ENSG00000145451	GLRA3	4	174636920	17482947	192327	protein coding	-2.02	1.20E-04	2.23E-03
ENSG00000258710	LINC01193	15	20940380	21058440	118060	lncRNA	-2.02	4.41E-04	5.35E-03
ENSG00000118492	ADGB	6	146598967	146815462	216495	protein coding	-2.02	3.87E-06	2.16E-04
ENSG00000144837	PLA1A	3	119597875	119629811	31936	protein coding	-2.02	2.99E-05	8.55E-04
ENSG00000159961	OR3A3	17	3411370	3424070	12700	protein coding	-2.02	1.03E-04	2.01E-03
ENSG00000229582	AL358074.1	9	125743754	125746552	2798	lncRNA	-2.02	1.11E-04	2.10E-03
ENSG00000241884	AC114401.1	3	67296300	67306359	10059	lncRNA	-2.02	4.38E-03	2.56E-02
ENSG00000255303	OR5BA1P	11	57861948	57873588	11640	transcribed unprocessed pseudogene	-2.02	6.05E-04	6.61E-03
ENSG00000286042	LCAL1	6	79307669	79313384	5715	lncRNA	-2.02	8.99E-04	8.65E-03
ENSG00000261035	AL139348.1	20	60812004	60814211	2207	lncRNA	-2.02	1.94E-03	1.47E-02
ENSG00000234380	LINC01426	21	34745757	34784886	39129	lncRNA	-2.02	2.62E-05	7.81E-04
ENSG00000261617	LINC02177	16	9355588	9408093	52505	lncRNA	-2.02	7.56E-05	1.64E-03
ENSG00000231057	AC096837.2	1	211675749	211690103	14354	lncRNA-antisense	-2.02	1.05E-04	2.04E-03
ENSG00000236461	AL162425.1	9	115119539	115138409	18870	lncRNA	-2.02	3.92E-03	2.36E-02
ENSG00000229404	LINC00858	10	84267747	84294659	26912	lncRNA	-2.02	8.41E-05	1.75E-03
ENSG00000231749	ABCAG-AS1	17	68944531	69042784	98253	lncRNA-antisense	-2.02	7.69E-05	1.65E-03
ENSG00000263887	AC053481.2	17	62282702	62297026	14324	transcribed unprocessed pseudogene	-2.02	1.06E-04	2.04E-03
ENSG00000256533	AP002373.2	11	114453064	114454123	1059	processed pseudogene	-2.02	3.71E-04	4.76E-03
ENSG00000133020	MYH8	17	10390322	10421950	31628	protein coding	-2.02	6.72E-07	6.64E-05

ENSG00000204869	IGFL4	19	46039748	46077118	37370	protein coding	-2.02	2.53E-05	7.65E-04
ENSG00000230947	AP000356.1	22	24598054	24599398	1344	lncRNA-sense intronic	-2.02	1.12E-02	4.82E-02
ENSG00000230638	AL445933.1	1	41542069	41544310	2241	processed pseudogene	-2.02	5.11E-03	2.84E-02
ENSG00000177414	UBE2U	1	64203627	64267368	63741	protein coding	-2.02	5.73E-04	6.39E-03
ENSG00000261202	Z83847.1	22	40043068	40044530	1462	lncRNA-antisense	-2.02	1.17E-02	4.97E-02
ENSG00000284883	AC021066.2	12	52263948	52267461	3513	unprocessed pseudogene	-2.03	3.20E-03	2.06E-02
ENSG00000101306	MYLK2	20	31819308	31834689	15381	protein coding	-2.03	1.33E-04	2.38E-03
ENSG00000152936	LMNTD1	12	25409307	25648579	239272	protein coding	-2.03	4.88E-04	5.72E-03
ENSG00000287120	AL138773.1	10	9292842	9309772	16930	lncRNA	-2.03	9.22E-03	4.22E-02
ENSG00000244234	GMCL2	5	178184505	178187371	2866	protein coding	-2.03	1.79E-03	1.39E-02
ENSG00000234593	KAZN-AS1	1	14338825	14419973	81148	lncRNA	-2.03	4.51E-05	1.13E-03
ENSG00000273259	AL049839.2	14	94592058	94624646	32588	protein coding	-2.03	3.29E-03	2.10E-02
ENSG00000238062	SPATA3-AS1	2	230984368	230996032	11664	lncRNA	-2.03	7.09E-06	3.30E-04
ENSG00000139292	LGR5	12	71439798	71586310	146512	protein coding	-2.03	1.34E-04	2.40E-03
ENSG00000183709	IFNL2	19	39268396	39270188	1792	protein coding	-2.03	1.05E-03	9.61E-03
ENSG00000261816	AC134312.6	16	88191486	88193667	2181	lncRNA	-2.03	7.95E-03	3.82E-02
ENSG00000232079	LINC01694	21	28048404	28137611	89207	lncRNA	-2.03	4.54E-04	5.46E-03
ENSG00000253258	AC068228.1	8	123181638	123182788	1150	lncRNA-antisense	-2.03	2.49E-03	1.74E-02
ENSG00000251670	AC113346.2	5	174751304	174850725	99421	lncRNA	-2.03	8.77E-03	4.08E-02
ENSG00000286792	AC005703.6	17	15266848	15311760	44912	lncRNA	-2.03	8.71E-03	4.06E-02
ENSG00000237623	NICN2P	X	47273366	47274390	1024	processed pseudogene	-2.03	7.44E-03	3.66E-02
ENSG00000242611	AC093627.6	7	77038	77038	4140	lncRNA	-2.03	8.35E-05	1.74E-03
ENSG00000215808	LINC01139	1	238476542	238486060	9518	lncRNA	-2.03	1.45E-03	1.20E-02
ENSG00000264215	AC126365.1	17	20788071	20789584	1513	lncRNA	-2.03	9.77E-03	4.39E-02
ENSG00000270816	LINC00221	14	106482435	106521073	38638	lncRNA	-2.03	2.64E-05	7.86E-04
ENSG00000258630	LINC02292	14	95319483	95357557	16274	lncRNA	-2.03	1.01E-04	1.99E-03
ENSG00000271159	AL139384.2	13	112602828	112606417	3589	lncRNA	-2.03	1.92E-04	3.07E-03
ENSG00000226469	ADAM1B	12	111927018	111929017	1999	unitary pseudogene	-2.03	1.38E-03	1.15E-02
ENSG00000264359	NEK4P2	17	16666107	16667118	1011	processed pseudogene	-2.03	3.34E-04	4.45E-03
ENSG00000184774	MGAT4EP	1	202820266	202827225	6959	transcribed unitary pseudogene	-2.03	3.74E-03	2.29E-02
ENSG00000101890	GUCY2F	X	109372906	109482086	109180	protein coding	-2.03	1.42E-05	5.30E-04
ENSG00000138207	RBP4	10	93591687	93601744	10057	protein coding	-2.03	1.16E-04	2.17E-03
ENSG00000254590	AP003396.2	11	119402792	119404088	1296	processed pseudogene	-2.03	8.21E-03	3.90E-02
ENSG00000227375	DLG1-AS1	3	197298252	197303755	5503	lncRNA-antisense	-2.03	2.16E-03	1.58E-02
ENSG00000131050	BPIFA2	20	33161768	33181412	19644	protein coding	-2.03	1.23E-04	2.27E-03
ENSG00000176601	MAP3K19	2	134964485	135047468	82983	protein coding	-2.03	1.31E-05	5.02E-04
ENSG00000283459	AC009804.2	12	114894632	114898529	3897	lncRNA	-2.04	5.32E-03	2.91E-02
ENSG00000187223	LCE2D	1	152663380	152664659	1279	protein coding	-2.04	3.13E-04	4.26E-03
ENSG00000197083	ZNF300P1	5	150930645	150946289	15644	transcribed unprocessed pseudogene	-2.04	9.51E-03	4.31E-02
ENSG00000228135	LINC01494	2	218900811	218930636	29825	lncRNA-antisense	-2.04	5.93E-03	2.94E-02
ENSG00000240216	CPLH1P	3	149228356	149291800	62444	transcribed unitary pseudogene	-2.04	1.63E-05	5.73E-04
ENSG00000181984	GOLGA8P	15	20562375	20575696	13321	unprocessed pseudogene	-2.04	9.71E-04	9.13E-03
ENSG00000262038	AC007599.2	16	47529190	47529916	726	lncRNA-sense intronic	-2.04	5.23E-03	2.88E-02
ENSG00000249680	TUBA3GP	22	21065462	21070097	4635	unprocessed pseudogene	-2.04	2.37E-03	1.68E-02
ENSG00000197849	OR8G1	11	124241095	124254364	13269	protein coding	-2.04	7.47E-04	7.65E-03
ENSG00000169248	CXCL11	4	76033682	76041415	7733	protein coding	-2.04	8.18E-03	3.89E-02
ENSG00000080572	DNAAF6	X	107206611	107244247	37636	protein coding	-2.04	3.82E-03	2.32E-02
ENSG00000237999	ACTG1P19	9	100731240	100732355	1115	processed pseudogene	-2.04	5.33E-04	6.07E-03
ENSG00000168314	MOBP	3	39467198	39529479	62281	protein coding	-2.04	2.41E-06	1.58E-04
ENSG00000267908	ZSCAN5DP	19	56244043	56247482	3439	unprocessed pseudogene	-2.04	3.00E-03	1.98E-02
ENSG00000263667	AL035696.3	6	181466	205519	24053	lncRNA	-2.04	4.67E-04	5.56E-03
ENSG00000258933	LINC02279	14	94960277	94962976	2699	lncRNA	-2.04	2.01E-03	1.50E-02
ENSG00000198535	C2CD4A	15	62066977	62070917	3940	protein coding	-2.04	5.44E-05	1.30E-03
ENSG00000230657	PRB4	12	11307077	11310436	3359	protein coding	-2.04	6.20E-03	3.24E-02
ENSG00000261076	AC016396.2	10	58325614	58327030	1416	lncRNA	-2.04	9.94E-03	4.45E-02
ENSG00000235838	HSP90AB7P	10	9721963	9724416	2453	processed pseudogene	-2.04	3.15E-03	2.04E-02
ENSG00000226562	CYP4F26P	9	33580695	33607874	27179	lncRNA	-2.04	5.77E-04	6.42E-03
ENSG00000189398	OR7E12P	11	3390780	3391752	972	unprocessed pseudogene	-2.04	2.95E-03	1.95E-02
ENSG00000235805	SOC55P3	3	44709311	44710886	1575	processed pseudogene	-2.04	1.11E-02	4.80E-02
ENSG00000203643	AC012456.1	2	11721619	11724222	2603	lncRNA-antisense	-2.04	3.15E-03	2.04E-02
ENSG00000183671	GPR1	2	206175316	206218047	42731	protein coding	-2.04	2.24E-03	1.62E-02
ENSG00000211961	IGHV1-45	14	106506996	106507491	495	IG V gene	-2.04	1.95E-03	1.47E-02
ENSG00000280309	AC023300.3	15	74299503	74304527	5024	TEC	-2.04	6.33E-05	1.44E-03
ENSG00000285691	AL445259.1	6	123519697	123557670	37973	lncRNA-antisense	-2.04	1.15E-02	4.93E-02
ENSG00000103023	PRSS54	16	58279997	58295047	15050	protein coding	-2.04	8.20E-05	1.72E-03
ENSG00000146233	CYP39A1	6	46549580	46652830	103250	protein coding	-2.04	3.36E-04	4.46E-03
ENSG00000259134	LINC00924	15	95326528	95507865	181337	lncRNA	-2.04	4.25E-04	5.21E-03
ENSG00000253606	AFG3L2P1	8	43270198	43271960	1762	processed pseudogene	-2.04	4.24E-03	2.50E-02
ENSG00000256995	AC084816.1	12	22699859	23188807	488948	lncRNA	-2.04	4.84E-05	1.19E-03
ENSG00000120498	TEX11	X	70528940	70908711	379771	protein coding	-2.04	1.25E-05	4.87E-04
ENSG00000259470	KRT8P9	15	70858714	70860162	1448	processed pseudogene	-2.04	1.84E-03	1.41E-02
ENSG00000184809	B3GALT5-AS1	21	39597147	39612910	15763	lncRNA-antisense	-2.04	7.19E-06	3.33E-04
ENSG00000261647	IMPDH1P11	16	10111382	10112885	1503	processed pseudogene	-2.04	5.58E-04	6.26E-03
ENSG00000283342	NBPF13P	1	147099482	147124285	24803	unprocessed pseudogene	-2.04	9.71E-05	1.94E-03
ENSG00000184608	FAM167A-AS1	8	11368402	11438658	70256	lncRNA-antisense	-2.05	1.95E-05	6.44E-04
ENSG00000226689	LHFPL3-AS1	7	104738597	104804107	65510	lncRNA	-2.05	9.88E-04	9.23E-03
ENSG00000145888	GLRA1	5	151822513	151924851	102338	protein coding	-2.05	2.89E-04	4.05E-03
ENSG00000163207	IVL	1	152908546	152911886	3340	protein coding	-2.05	4.91E-04	5.74E-03
ENSG00000230368	FAM41C	1	868071	876903	8832	lncRNA	-2.05	4.08E-03	2.43E-02
ENSG00000287955	AL137067.3	9	99359336	99371887	12551	lncRNA	-2.05	3.17E-03	2.05E-02
ENSG00000186118	TEX38	1	46668855	46673594	4739	protein coding	-2.05	4.74E-03	2.70E-02
ENSG00000183778	B3GALT5	21	39556442	39673137	116695	protein coding	-2.05	9.78E-11	1.23E-07
ENSG00000237289	CKMT1B	15	43593054	43604901	11847	protein coding	-2.05	1.03E-02	4.58E-02
ENSG00000233973	LINC01360	1	73305609	73355253	49644	lncRNA	-2.05	2.81E-03	1.89E-02
ENSG00000006788	MYH13	17	10300865	10373130	72265	protein coding	-2.05	1.63E-06	1.23E-04
ENSG00000153292	ADGRF1	6	46997708	47042350	44642	protein coding	-2.05	3.34E-06	1.97E-04
ENSG00000186867	QRFRP	4	121328642	121381059	52417	protein coding	-2.05	5.30E-04	6.05E-03
ENSG00000269054	AC012313.6	19	58362583	58367593	5010	lncRNA-antisense	-2.05	9.87E-06	4.12E-04
ENSG00000169302	STK32A	5	147234963	147387855	152892	protein coding	-2.05	1.45E-05	5.36E-04
ENSG00000267594	CYP4F24P	19	15760241	15779909	19668	unprocessed pseudogene	-2.05	2.94E-05	8.44E-04

ENSG0000268104	SLC6A14	X	116436606	116461458	24852	protein coding	-2.05	2.17E-04	3.34E-03
ENSG00000162039	MEIOB	16	1833986	1884294	50308	protein coding	-2.05	3.39E-04	4.49E-03
ENSG00000279358	AP002833.3	11	126934886	126937150	2264	TEC	-2.05	3.77E-03	2.30E-02
ENSG00000236704	CNOT4P1	13	20921664	20923233	1569	processed pseudogene	-2.05	4.14E-03	2.46E-02
ENSG00000270427	NRBF2P5	10	5776071	5776858	787	processed pseudogene	-2.05	1.10E-02	4.78E-02
ENSG00000167104	BPIFB6	20	33031648	33044047	12399	protein coding	-2.05	2.38E-05	7.36E-04
ENSG00000223806	LINC00114	21	38733890	38747460	13570	lncRNA	-2.05	1.87E-03	1.42E-02
ENSG00000237008	LAPTM4BP1	1	153379821	153380799	978	processed pseudogene	-2.05	4.58E-03	2.64E-02
ENSG00000249584	LINC02225	5	57890327	57899162	8835	lncRNA	-2.05	5.96E-03	3.16E-02
ENSG00000287831	AL135926.2	1	168898633	168902836	4203	lncRNA	-2.05	4.20E-03	2.48E-02
ENSG00000203971	AL354984.1	20	57957126	57960176	3050	lncRNA	-2.05	9.07E-04	8.71E-03
ENSG00000230630	DNM3OS	1	172138397	172144840	6443	lncRNA-antisense	-2.05	2.50E-03	1.74E-02
ENSG00000271382	AC012464.3	12	93945041	93947813	2772	lncRNA	-2.05	2.48E-03	1.74E-02
ENSG00000237463	LRRCS2-AS1	1	165476838	165582155	105317	lncRNA-antisense	-2.06	3.56E-08	8.82E-06
ENSG00000265313	LINC01476	17	59422088	59526946	104858	lncRNA	-2.06	1.45E-06	1.12E-04
ENSG00000233858	LINC02599	8	48590401	48594621	4220	lncRNA	-2.06	6.16E-04	6.70E-03
ENSG00000269667	AC092723.1	16	85981750	85984881	3131	lncRNA	-2.06	1.91E-03	1.45E-02
ENSG00000204478	PRAMEF20	1	13416351	13421328	4977	protein coding	-2.06	1.44E-05	5.36E-04
ENSG00000285734	AC005414.1	12	2440189	2457392	17203	lncRNA-antisense	-2.06	1.24E-03	1.07E-02
ENSG00000272874	AL034548.1	20	267186	268857	1671	lncRNA	-2.06	3.29E-03	2.10E-02
ENSG00000103310	ZP2	16	21197450	21214510	17060	protein coding	-2.06	5.01E-04	5.82E-03
ENSG00000171495	MROH2B	5	40998017	41071342	73325	protein coding	-2.06	4.46E-06	2.38E-04
ENSG00000276092	AC040896.1	18	68721082	68721560	478	lncRNA-sense intronic	-2.06	5.10E-03	2.83E-02
ENSG00000167749	KLK4	19	50906352	50910738	4386	protein coding	-2.06	3.78E-05	1.01E-03
ENSG00000198326	TMEM239	20	2816302	2820284	3982	protein coding	-2.06	6.66E-03	3.40E-02
ENSG00000205334	LINC01460	2	27705786	27715732	9946	lncRNA	-2.06	1.08E-03	9.79E-03
ENSG00000256286	AC078878.2	12	126874804	126888718	13914	lncRNA	-2.06	5.73E-03	3.07E-02
ENSG00000286963	AC074096.1	2	29319554	29322114	32660	lncRNA	-2.06	1.90E-03	1.45E-02
ENSG00000187847	OR7E25P	19	9198354	9210067	11713	transcribed unprocessed pseudogene	-2.06	4.52E-06	2.39E-04
ENSG00000164744	SUN3	7	47987148	48029119	41971	protein coding	-2.06	9.05E-07	8.05E-05
ENSG00000261548	HLA-P	6	29800415	29802425	2010	unprocessed pseudogene	-2.06	5.94E-03	3.15E-02
ENSG00000273980	AL592071.1	10	133257144	133257551	407	lncRNA	-2.06	2.08E-03	1.54E-02
ENSG00000255085	AF186192.2	8	144700353	144708517	8164	transcribed unprocessed pseudogene	-2.06	2.74E-03	1.86E-02
ENSG00000158486	DNAH3	16	20933111	21159441	226330	protein coding	-2.06	7.91E-08	1.48E-05
ENSG00000182352	C17orf77	17	74584679	74594209	9530	lncRNA-antisense	-2.06	7.49E-03	3.67E-02
ENSG00000132840	BHMT2	5	79069767	79090069	20302	protein coding	-2.06	6.98E-05	1.55E-03
ENSG00000233425	KRT18P67	9	122837557	122838820	1263	processed pseudogene	-2.06	4.26E-03	2.51E-02
ENSG00000164049	FBXW12	3	48372219	48401259	29040	protein coding	-2.06	1.64E-04	2.76E-03
ENSG00000287756	AL031293.1	1	14774469	14777727	3258	lncRNA	-2.06	1.28E-03	1.10E-02
ENSG00000234265	LINC01723	20	12950288	13008417	58129	lncRNA	-2.06	3.88E-03	2.35E-02
ENSG00000251003	ZFPM2-AS1	8	105546089	106060524	514435	lncRNA	-2.06	2.33E-03	1.66E-02
ENSG00000259335	HNRNPMP1	15	44447577	44494344	1767	processed pseudogene	-2.06	7.43E-03	3.65E-02
ENSG00000259928	AC011840.2	17	30564057	30565576	1519	lncRNA	-2.06	1.44E-03	1.19E-02
ENSG0000015592	STMN4	8	27235323	27258420	23097	protein coding	-2.06	1.49E-05	5.46E-04
ENSG00000255804	OR6J1	14	22630929	22644352	13423	protein coding	-2.06	2.05E-03	1.52E-02
ENSG00000224539	SAGE4P	X	135598927	135615431	16504	unprocessed pseudogene	-2.06	1.52E-04	2.62E-03
ENSG00000286746	AL590807.1	13	80697177	81017737	320560	lncRNA	-2.06	1.52E-05	5.52E-04
ENSG00000248210	LINC02355	4	149154279	149278123	123844	lncRNA	-2.06	6.50E-03	3.34E-02
ENSG00000259473	LINC02205	15	70503907	70505928	2021	lncRNA	-2.06	9.28E-03	4.24E-02
ENSG00000197935	ZNF311	6	28994785	29005316	10531	protein coding	-2.06	1.68E-04	2.80E-03
ENSG00000227527	AC096540.1	1	42335386	42338376	9960	lncRNA-sense overlapping	-2.06	8.73E-03	4.06E-02
ENSG00000261748	AC098965.1	16	16952502	16953468	966	processed pseudogene	-2.06	5.43E-03	2.96E-02
ENSG00000269321	AC01466.2	19	48145908	48147413	1505	lncRNA-antisense	-2.06	5.13E-03	2.85E-02
ENSG00000285100	AL359555.2	20	38270778	38274020	3242	lncRNA	-2.06	2.44E-05	7.48E-04
ENSG00000163017	ACTG2	2	73892314	73919865	27551	protein coding	-2.07	5.45E-05	1.30E-03
ENSG00000224318	CHL1-AS2	3	109707	197341	87634	lncRNA	-2.07	7.48E-04	7.66E-03
ENSG00000279910	AL731532.1	10	85526880	85531115	4235	TEC	-2.07	9.06E-03	4.17E-02
ENSG00000251575	C5orf64-AS1	5	61732774	61735715	2941	lncRNA	-2.07	9.39E-03	4.27E-02
ENSG00000242412	DBIL5P2	2	63117851	63119542	1691	transcribed processed pseudogene	-2.07	1.10E-03	9.88E-03
ENSG00000172457	OR9G4	11	56741223	56748697	7474	protein coding	-2.07	8.47E-03	3.98E-02
ENSG00000256008	AC125616.1	12	120628830	120641591	12761	lncRNA-antisense	-2.07	3.20E-04	4.32E-03
ENSG00000163216	SPRR2D	1	153039732	153041931	2199	protein coding	-2.07	1.48E-03	1.21E-02
ENSG00000224666	ETV7-AS1	6	36386831	36393462	6631	lncRNA-antisense	-2.07	4.21E-03	2.49E-02
ENSG00000288079	AC026329.1	3	113259786	113266824	7038	lncRNA	-2.07	1.08E-04	2.07E-03
ENSG00000265107	GJA5	1	147756199	147773362	17163	protein coding	-2.07	5.24E-04	6.00E-03
ENSG00000224689	ZNF812P	19	9689924	9700776	10852	transcribed unprocessed pseudogene	-2.07	3.17E-04	4.29E-03
ENSG00000284686	AC119674.2	1	56173433	56524495	351062	protein coding	-2.07	9.32E-03	4.25E-02
ENSG00000214617	SLC6A10P	16	32877469	32885501	8032	transcribed unprocessed pseudogene	-2.07	4.10E-06	2.25E-04
ENSG00000256022	LINC02411	12	127631248	127636488	5240	lncRNA	-2.07	5.26E-04	6.02E-03
ENSG00000253279	LINC02209	8	29920560	29953724	33164	lncRNA	-2.07	1.20E-03	1.05E-02
ENSG00000114279	FGF12	3	192139395	192767764	628369	protein coding	-2.07	5.01E-05	1.22E-03
ENSG00000258390	LINC02318	14	95573520	95582305	8785	lncRNA	-2.07	1.96E-04	3.13E-03
ENSG00000259774	AC243562.3	15	84422618	84425882	3264	lncRNA	-2.07	3.52E-03	2.20E-02
ENSG00000124568	SLC17A1	6	25782915	25832052	49137	protein coding	-2.07	1.27E-03	1.09E-02
ENSG00000228613	AC141930.1	2	1546665	1620113	73448	lncRNA-antisense	-2.07	3.93E-03	2.36E-02
ENSG00000287671	AC068418.3	17	21442805	21451525	8720	lncRNA	-2.07	2.32E-05	7.24E-04
ENSG00000197565	COL4A6	X	108155607	108439497	283890	protein coding	-2.07	1.35E-07	2.17E-05
ENSG00000179873	NLRP11	19	55785397	55836800	51403	protein coding	-2.07	2.31E-05	7.20E-04
ENSG00000253656	AC090987.1	8	130595299	130655712	60413	lncRNA	-2.07	6.91E-04	7.24E-03
ENSG00000255345	AP002957.1	11	79092848	79098003	5155	lncRNA	-2.07	1.34E-03	1.13E-02
ENSG00000284703	AL805961.1	1	4012921	4019508	6587	lncRNA	-2.07	1.90E-05	6.33E-04
ENSG00000227467	LINC01537	11	72570660	72573229	2569	lncRNA	-2.07	8.29E-03	3.92E-02
ENSG00000279146	AC063926.2	12	130465008	130466315	1307	TEC	-2.07	1.38E-04	2.45E-03
ENSG00000237761	AL161646.1	10	104566931	104624795	57864	lncRNA	-2.07	6.36E-03	3.29E-02
ENSG00000243137	PSG4	19	43192702	43207299	14597	protein coding	-2.07	4.18E-05	1.08E-03
ENSG00000278895	AC008507.3	19	29915862	29917830	1968	TEC	-2.07	2.25E-03	1.63E-02
ENSG00000260762	ACSM5P1	16	20586550	20607107	20557	unprocessed pseudogene	-2.07	3.00E-04	4.16E-03
ENSG00000285521	AC119673.1	1	205775559	205783623	8064	lncRNA-bidirectional promoter lncRNA	-2.07	5.70E-03	3.06E-02
ENSG00000227929	SRGAP3-AS3	3	9216895	9219508	2613	lncRNA-antisense	-2.07	1.18E-03	1.04E-02
ENSG00000253224	PGAM5P1	5	109884610	109885423	813	processed pseudogene	-2.08	9.74E-03	4.39E-02

ENSG00000287146	AC000085.1	22	19291969	19328901	36932	lncRNA	-2.08	5.79E-03	3.09E-02
ENSG00000261400	AC011525.1	19	31588040	31595720	7680	lncRNA	-2.08	4.11E-04	5.12E-03
ENSG00000164399	IL3	5	132060655	132063204	2549	protein coding	-2.08	2.50E-03	1.74E-02
ENSG00000280182	AC131888.1	16	81261924	81264091	2167	TEC	-2.08	5.85E-04	6.48E-03
ENSG00000228141	AC105339.1	15	82710471	82714029	3558	transcribed unitary pseudogene	-2.08	8.68E-06	3.76E-04
ENSG00000286058	AC018865.2	2	130026845	130051131	24286	lncRNA	-2.08	7.21E-04	7.48E-03
ENSG00000287720	AC023480.1	3	3918709	4046722	128013	lncRNA	-2.08	2.88E-03	1.92E-02
ENSG00000279485	AC016734.1	2	63517892	63519268	1376	TEC	-2.08	9.21E-04	8.81E-03
ENSG00000229967	MAGEA4-AS1	X	151904431	151913968	9537	lncRNA-antisense	-2.08	5.91E-03	3.13E-02
ENSG00000228566	AC013287.1	10	63664664	64693446	1028782	lncRNA	-2.08	2.20E-03	1.60E-02
ENSG00000197291	RAMP2-AS1	17	42753914	42761257	7343	lncRNA	-2.08	2.58E-04	3.78E-03
ENSG00000259356	AC022710.1	15	100126106	100129743	3637	lncRNA-antisense	-2.08	8.18E-04	8.15E-03
ENSG00000203805	PLPP4	10	120457227	120592065	134838	protein coding	-2.08	3.80E-05	1.01E-03
ENSG00000204091	TDRG1	6	40334775	40387590	52815	lncRNA-antisense	-2.08	2.96E-05	8.49E-04
ENSG00000172137	CALB2	16	71358713	71390436	31723	protein coding	-2.08	1.24E-04	2.28E-03
ENSG00000205879	FAM90A2P	8	12172761	12175771	3010	unprocessed pseudogene	-2.08	1.14E-03	1.01E-02
ENSG00000259553	AC140725.1	15	101959539	101961408	1869	lncRNA	-2.08	8.77E-04	8.51E-03
ENSG00000246695	RASSF8-AS1	12	25936683	25959765	23082	lncRNA-antisense	-2.08	1.01E-06	8.56E-05
ENSG00000183560	IZUMO1R	11	94305592	94307721	2129	protein coding	-2.08	3.57E-04	4.63E-03
ENSG00000261595	AL603832.2	1	112715672	11271796	2124	lncRNA-antisense	-2.08	9.02E-04	8.68E-03
ENSG00000248245	AC010307.2	5	133160438	133224413	63975	lncRNA-antisense	-2.09	3.44E-03	2.17E-02
ENSG00000116981	NT5C1A	1	39659121	39672038	12917	protein coding	-2.09	7.79E-04	7.88E-03
ENSG00000227586	RPS26P39	10	123171535	123171875	340	processed pseudogene	-2.09	5.01E-04	5.82E-03
ENSG00000264050	AC005412.1	17	29197071	29197785	714	processed pseudogene	-2.09	1.12E-02	4.82E-02
ENSG00000244691	RPL10AP1	14	103412119	103412761	642	processed pseudogene	-2.09	7.65E-03	3.72E-02
ENSG00000273586	OR10G1P	14	21801882	21802825	943	unprocessed pseudogene	-2.09	8.87E-03	4.11E-02
ENSG00000274528	AC090970.2	15	52017167	52018032	865	lncRNA-sense intronic	-2.09	1.14E-02	4.89E-02
ENSG00000244588	RAD21L1	20	1226056	1296241	70365	protein coding	-2.09	1.44E-04	2.52E-03
ENSG00000235038	AL445193.2	1	58060139	58080274	20135	lncRNA	-2.09	2.50E-03	1.75E-02
ENSG00000287435	AC069404.1	2	73305941	73307890	1949	lncRNA	-2.09	5.21E-03	2.87E-02
ENSG00000238158	AL391422.3	6	3831933	3855737	23804	lncRNA-sense overlapping	-2.09	6.69E-03	3.41E-02
ENSG00000284391	AL139398.1	X	70427450	70435350	7900	lncRNA-antisense	-2.09	8.08E-04	8.09E-03
ENSG00000251127	AC091173.1	8	61759094	61765969	6875	lncRNA	-2.09	1.05E-02	4.62E-02
ENSG00000287408	AC027811.1	15	79331591	79337277	5686	lncRNA	-2.09	5.44E-05	1.30E-03
ENSG00000273963	ENPP7P14	16	5110793	5148685	37892	unprocessed pseudogene	-2.09	8.47E-04	8.33E-03
ENSG00000257829	AC121757.1	12	52306616	52308371	1755	lncRNA-antisense	-2.09	7.41E-03	3.64E-02
ENSG00000286892	AC084212.1	3	157579694	157587495	7801	lncRNA	-2.09	3.91E-03	2.36E-02
ENSG00000176605	C14orf177	14	98711613	98717761	6148	lncRNA	-2.09	3.02E-03	1.98E-02
ENSG00000261610	AP000265.1	21	32259804	32261585	1781	lncRNA	-2.09	9.81E-06	4.11E-04
ENSG00000203189	AC008267.2	7	66427949	66453634	25685	transcribed unprocessed pseudogene	-2.09	5.98E-05	1.38E-03
ENSG00000183929	DUSP5P1	1	228650241	228651379	1138	processed pseudogene	-2.09	7.45E-03	3.66E-02
ENSG00000141485	SLC13A5	17	6684719	6713377	28658	protein coding	-2.09	4.98E-09	2.15E-06
ENSG00000197683	KRTAP26-1	21	30319124	30320315	1191	protein coding	-2.09	9.80E-03	4.41E-02
ENSG00000233985	LINC01681	1	170173865	170304358	130493	lncRNA	-2.09	3.60E-03	2.24E-02
ENSG00000250493	AP004147.1	11	120867933	120894797	26864	lncRNA-antisense	-2.09	8.14E-06	3.61E-04
ENSG00000267638	AC023855.1	17	44115912	44120595	4683	lncRNA-antisense	-2.09	8.65E-03	4.04E-02
ENSG00000261810	AC133565.1	16	10033684	10037297	3613	lncRNA-antisense	-2.09	7.94E-03	3.81E-02
ENSG00000196184	OR10J1	1	159437845	159443078	5233	protein coding	-2.09	5.28E-03	2.90E-02
ENSG00000248851	AC006427.1	4	16307456	16308167	711	processed pseudogene	-2.09	1.07E-02	4.67E-02
ENSG00000279717	AC005336.3	19	15904556	15907234	2678	TEC	-2.09	4.57E-03	2.63E-02
ENSG00000248138	AC097515.1	4	16400430	16512187	111757	lncRNA-antisense	-2.09	6.32E-03	3.28E-02
ENSG00000249177	MTND4P29	2	201554384	201556051	1667	unprocessed pseudogene	-2.09	9.75E-03	4.39E-02
ENSG00000165124	SVEP1	9	110365248	110579880	214632	protein coding	-2.09	4.78E-09	2.10E-06
ENSG00000258483	LINC02251	15	98003038	98087384	84346	lncRNA	-2.09	3.48E-04	4.56E-03
ENSG00000079101	CLUL1	18	596988	650334	53346	protein coding	-2.09	3.21E-04	4.33E-03
ENSG00000260343	LINC01043	13	112313467	112321758	8291	lncRNA	-2.09	1.65E-05	5.75E-04
ENSG00000286455	AL162400.3	1	63011197	63018614	7417	lncRNA	-2.10	5.44E-03	2.96E-02
ENSG00000229798	KRT18P26	2	74306728	74308008	1280	processed pseudogene	-2.10	2.76E-03	1.87E-02
ENSG00000279217	Z95114.1	22	36071000	36085573	14573	lncRNA	-2.10	6.95E-07	6.75E-05
ENSG00000282142	AC245187.2	8	2517898	2556440	38542	lncRNA	-2.10	1.89E-03	1.44E-02
ENSG00000250247	SEPHS2P1	5	14960232	14961393	1161	processed pseudogene	-2.10	3.00E-03	1.98E-02
ENSG00000283040	AL669831.1	1	874529	877234	2705	transcribed unprocessed pseudogene	-2.10	6.13E-03	3.21E-02
ENSG00000237510	GPAT2P5	2	95789654	95800166	10512	transcribed unprocessed pseudogene	-2.10	3.56E-05	9.69E-04
ENSG00000169876	MUC17	7	101020072	101058859	38787	protein coding	-2.10	1.90E-06	1.36E-04
ENSG00000261121	LINC02473	4	24659856	24671568	11712	lncRNA	-2.10	2.67E-03	1.82E-02
ENSG00000175728	LINC02873	11	130672956	130717352	44396	lncRNA	-2.10	6.97E-04	7.28E-03
ENSG00000104938	CLEC4M	19	7763210	7769605	6395	protein coding	-2.10	1.47E-03	1.21E-02
ENSG00000232675	AL121830.1	20	19693209	19697576	4367	lncRNA	-2.10	2.23E-03	1.62E-02
ENSG00000286685	AL158077.2	9	19789179	19894856	105677	lncRNA	-2.10	3.65E-03	2.25E-02
ENSG00000131059	BP1FA3	20	33217310	33227806	10496	protein coding	-2.10	8.88E-04	8.59E-03
ENSG00000217889	KRT18P48	X	153604497	153605348	851	processed pseudogene	-2.10	8.92E-03	4.13E-02
ENSG00000230952	AC099344.1	2	11357515	11365636	8121	lncRNA	-2.10	2.18E-03	1.59E-02
ENSG00000285424	AL162718.1	6	4304942	4583871	278929	lncRNA	-2.10	6.47E-04	6.93E-03
ENSG00000248991	AC097375.1	4	151919468	151943933	24465	lncRNA	-2.10	2.25E-03	1.63E-02
ENSG00000272695	GAS6-DT	13	113864112	113866834	2722	lncRNA	-2.10	4.96E-03	2.79E-02
ENSG00000166796	LDHC	11	18412318	18452063	39745	protein coding	-2.10	4.29E-04	5.24E-03
ENSG00000279030	AC007336.3	16	55486618	55488777	2159	TEC	-2.10	2.23E-03	1.62E-02
ENSG00000276170	AC244153.1	17	38450394	38452444	2050	lncRNA	-2.10	4.87E-04	5.72E-03
ENSG00000198471	RTP2	3	187698259	187702557	4298	protein coding	-2.10	2.94E-03	1.95E-02
ENSG00000204006	C1orf185	1	51102221	51148086	45865	protein coding	-2.10	5.54E-03	3.00E-02
ENSG00000231137	RBM22P5	9	76286494	76288081	1587	processed pseudogene	-2.10	4.20E-03	2.48E-02
ENSG00000215296	TMC05B	15	33235552	33247621	12069	transcribed unitary pseudogene	-2.10	7.93E-04	7.97E-03
ENSG00000259756	AC100839.1	15	62682916	62690448	7532	lncRNA-antisense	-2.10	3.77E-03	2.30E-02
ENSG00000286752	AC022509.5	12	26139249	26167411	28492	lncRNA	-2.10	4.93E-02	2.78E-02
ENSG00000261664	TTC39A-AS1	1	51329654	51335324	5670	lncRNA-antisense	-2.10	8.11E-04	8.10E-03
ENSG00000227061	AC097979.1	2	197569	209892	12323	lncRNA-antisense	-2.10	1.30E-05	5.00E-04
ENSG00000285662	FAM245B	10	46721002	46751738	30736	lncRNA	-2.10	1.35E-03	1.14E-02
ENSG00000276807	AC022188.1	15	73730048	73731711	1663	lncRNA	-2.10	1.39E-03	1.16E-02
ENSG00000229522	LINC01523	20	47983404	47984313	909	lncRNA	-2.10	1.10E-02	4.78E-02
ENSG00000235033	DAAM2-AS1	6	39881804	39900071	18267	lncRNA-antisense	-2.10	1.16E-09	7.59E-07

ENSG00000268581	SIGLEC18P	19	51119987	51122965	2978	unprocessed_pseudogene	-2.10	1.78E-04	2.93E-03
ENSG00000148604	RGR	10	84230666	84259660	29294	protein_coding	-2.10	1.05E-06	8.82E-05
ENSG00000166670	MMP10	11	102770502	102780628	10126	protein_coding	-2.10	2.40E-03	1.70E-02
ENSG00000262950	AC007861.1	16	49442910	49454109	11199	lncRNA	-2.10	6.55E-06	3.12E-04
ENSG00000274279	SPATA31E3P	15	22401208	22406944	5736	unprocessed_pseudogene	-2.10	4.56E-03	2.63E-02
ENSG00000142511	GPR32	19	50770464	50771732	1268	protein_coding	-2.10	1.62E-03	1.30E-02
ENSG00000285640	AP001999.2	11	134685044	134702004	16960	lncRNA	-2.10	5.36E-04	6.10E-03
ENSG00000233179	Z82249.1	22	48448890	48451217	2327	lncRNA	-2.11	3.40E-03	2.15E-02
ENSG00000251533	LINC00605	14	103187221	103189028	1807	lncRNA	-2.11	2.54E-03	1.77E-02
ENSG00000243978	RTL9	X	110358816	110456334	97518	protein_coding	-2.11	1.16E-04	2.17E-03
ENSG00000225280	AL158013.1	20	21397740	21400391	2651	lncRNA-antisense	-2.11	9.96E-03	4.46E-02
ENSG00000276980	AC008760.2	19	6716386	6717742	1356	lncRNA-sense intronic	-2.11	1.11E-02	4.79E-02
ENSG00000154975	CA10	17	51630313	52160017	529704	protein_coding	-2.11	6.48E-07	6.54E-05
ENSG00000238099	LINC01625	6	139435636	139474658	39022	lncRNA	-2.11	9.54E-06	4.05E-04
ENSG00000249332	LINC02149	5	15112120	15266541	154421	lncRNA	-2.11	3.59E-03	2.23E-02
ENSG00000287609	AL589787.2	10	126393489	126398789	5300	lncRNA	-2.11	5.92E-04	6.53E-03
ENSG00000105894	PTN	7	137227341	137343774	116433	protein_coding	-2.11	1.16E-02	4.96E-02
ENSG00000287372	AL627316.1	1	90388193	90420396	32203	lncRNA	-2.11	1.92E-03	1.46E-02
ENSG00000285773	AL161893.1	13	30388785	30404967	16182	lncRNA	-2.11	6.64E-04	7.05E-03
ENSG00000228397	LINC01635	1	22023990	22026048	2058	lncRNA	-2.11	3.34E-04	4.45E-03
ENSG00000254946	LINC02751	11	15552855	15604169	51314	lncRNA	-2.11	9.62E-04	9.07E-03
ENSG00000264449	AP001021.1	18	5887487	5989369	101882	lncRNA-antisense	-2.11	5.54E-04	6.24E-03
ENSG00000279017	AC098476.1	3	45749627	45750651	1024	TEC	-2.11	1.87E-05	6.29E-04
ENSG00000272514	CFAP206	6	87407972	87464465	56493	protein_coding	-2.11	2.82E-03	1.89E-02
ENSG00000229887	HNRNPA1P6	1	58047889	58049335	1446	transcribed_unprocessed_pseudogene	-2.11	3.57E-03	2.22E-02
ENSG00000225602	MTOR-AS1	1	11143898	11149537	5639	lncRNA-antisense	-2.11	8.45E-03	3.98E-02
ENSG00000233372	AL137076.1	1	30140263	30141607	1344	lncRNA	-2.11	3.43E-04	4.52E-03
ENSG00000184544	DHR57C	17	9771434	9791592	20158	protein_coding	-2.11	1.57E-03	1.26E-02
ENSG00000217165	ANKRD18EP	6	39110321	39112952	2631	processed_pseudogene	-2.11	1.07E-03	9.72E-02
ENSG00000278967	AL138847.2	1	62607766	62609584	1818	TEC	-2.11	9.34E-03	4.26E-02
ENSG00000253286	AC135166.1	8	123614219	123667248	53029	lncRNA-antisense	-2.11	1.34E-03	1.13E-02
ENSG00000197790	GLT5M1	11	4545191	4546144	953	protein_coding	-2.11	1.05E-02	4.63E-02
ENSG000002055138	GLTPP1	11	18189000	18189621	621	processed_pseudogene	-2.11	1.47E-03	1.21E-02
ENSG00000253702	LINC02847	8	48597458	48621018	23560	lncRNA	-2.12	8.84E-03	4.10E-02
ENSG00000263727	AP001178.1	18	653985	657259	3274	lncRNA-sense intronic	-2.12	1.17E-02	5.00E-02
ENSG00000287433	AC107222.2	4	184100482	184106038	5556	lncRNA	-2.12	4.35E-04	5.29E-03
ENSG00000238212	LINC02096	17	14834557	14957216	122659	lncRNA	-2.12	1.86E-04	3.02E-03
ENSG00000127472	PLA2G5	1	20028179	20091911	63732	protein_coding	-2.12	6.46E-06	3.08E-04
ENSG00000073754	CD5L	1	157830911	157898256	67345	protein_coding	-2.12	5.45E-06	2.74E-04
ENSG00000259720	AC009562.1	15	30992171	31042302	50131	lncRNA-antisense	-2.12	1.33E-03	1.13E-02
ENSG00000152910	CNTNAP4	16	76277278	76560757	283479	protein_coding	-2.12	4.56E-04	5.48E-03
ENSG00000231768	LINC01354	1	234527887	234531803	3916	lncRNA	-2.12	3.94E-04	4.99E-03
ENSG00000267391	MIR122HG	18	58445788	58453766	7978	lncRNA	-2.12	2.25E-06	1.52E-04
ENSG00000278505	C17orf78	17	37375985	37392708	16723	protein_coding	-2.12	1.74E-03	1.36E-02
ENSG00000277211	AC092132.2	16	20155648	20158391	2743	processed_pseudogene	-2.12	4.46E-03	2.59E-02
ENSG00000169040	PMCHL2	5	71375786	71385993	10207	transcribed_unprocessed_pseudogene	-2.12	1.03E-03	9.47E-03
ENSG00000285717	AL162719.1	6	6450356	6507443	57087	lncRNA	-2.12	6.11E-03	3.20E-02
ENSG00000259847	LINC02126	16	65141751	65176713	34962	lncRNA	-2.12	1.17E-02	4.98E-02
ENSG00000288090	AC010163.3	10	78289059	78290565	2506	lncRNA	-2.12	3.87E-03	2.34E-02
ENSG0000020219	CCT8L1P	7	152445477	152447150	1673	processed_pseudogene	-2.12	4.15E-04	5.15E-03
ENSG00000229913	AL360295.1	1	56823679	56826920	3241	lncRNA-antisense	-2.12	3.90E-03	2.35E-02
ENSG00000160505	NLRP4	19	55836540	55881855	45315	protein_coding	-2.12	9.97E-06	4.13E-04
ENSG00000250230	AP002754.1	11	61588442	61607550	19108	lncRNA	-2.12	6.65E-06	3.15E-04
ENSG00000276715	YWHAEP7	17	37828305	37884743	56438	transcribed_unprocessed_pseudogene	-2.12	8.95E-07	8.04E-05
ENSG00000230156	LINC00443	13	106653897	106672177	18280	lncRNA	-2.12	5.88E-03	3.12E-02
ENSG00000282876	Z98752.4	20	43590009	43590596	587	lncRNA	-2.12	8.71E-03	4.06E-02
ENSG00000169594	BNC1	15	83255903	83284714	28811	protein_coding	-2.12	2.54E-04	3.72E-03
ENSG00000214249	CTAGE11P	13	75237944	75240296	2352	processed_pseudogene	-2.12	3.94E-03	2.37E-02
ENSG00000171864	PRND	20	4721909	4728460	6551	protein_coding	-2.12	4.40E-05	1.12E-03
ENSG00000164627	KIF6	6	39329990	39725408	395418	protein_coding	-2.12	2.29E-06	1.53E-04
ENSG00000235710	TRIM67-AS1	1	231184098	231187627	3529	lncRNA	-2.12	2.67E-03	1.82E-02
ENSG00000260162	AC134312.1	16	88177289	88178646	1357	lncRNA	-2.12	1.11E-02	4.80E-02
ENSG00000248545	AC105290.1	4	25529177	25619468	90291	lncRNA	-2.12	5.72E-03	3.07E-02
ENSG00000260922	AC009139.1	16	77234877	77299950	65073	lncRNA-antisense	-2.12	3.22E-03	2.07E-02
ENSG00000270171	AL359881.3	1	7693124	7694844	1720	lncRNA	-2.12	6.29E-04	6.78E-03
ENSG00000212232	SNORD17	20	17962710	17962946	236	snoRNA	-2.12	1.13E-05	4.50E-04
ENSG00000287796	AC016925.3	X	147879361	147885249	5888	lncRNA	-2.12	2.00E-03	1.49E-02
ENSG00000185069	KRT76	12	52768155	52777345	9190	protein_coding	-2.13	7.58E-05	1.64E-03
ENSG00000203593	AC005342.1	12	2004666	2011392	6726	lncRNA-antisense	-2.13	2.33E-03	1.66E-02
ENSG00000278920	AC005005.4	22	31051630	31068327	16697	lncRNA-sense overlapping	-2.13	1.92E-06	1.37E-04
ENSG00000261634	AC026992.2	15	69278328	69298795	20467	lncRNA-antisense	-2.13	2.47E-05	7.54E-04
ENSG00000279137	AL356309.3	9	126518840	126520773	1933	TEC	-2.13	4.60E-03	2.64E-02
ENSG00000110195	FOLR1	11	72189558	72196323	6765	protein_coding	-2.13	1.20E-03	1.05E-02
ENSG00000287290	AC093765.3	4	116751473	116952699	201226	lncRNA	-2.13	1.09E-02	4.73E-02
ENSG00000279261	PP2672	1	234757619	234760056	2437	lncRNA	-2.13	7.90E-04	7.95E-03
ENSG00000286218	AC005040.2	2	106933739	106996534	62795	lncRNA	-2.13	2.08E-05	6.70E-04
ENSG00000122194	PLG	6	160702238	160754097	51859	protein_coding	-2.13	4.14E-06	2.26E-04
ENSG00000265273	PGDP1	18	31962178	31963618	1440	processed_pseudogene	-2.13	1.46E-05	5.40E-04
ENSG00000237159	CNTFR-AS1	9	34568012	34583072	15060	lncRNA-antisense	-2.13	1.47E-04	2.55E-03
ENSG00000287452	AL391477.1	1	181962889	181998985	36096	lncRNA	-2.13	4.66E-04	5.55E-03
ENSG00000170923	OR7G2	19	9100407	9107475	7068	protein_coding	-2.13	1.10E-03	9.88E-03
ENSG00000188991	SLC15A5	12	16188485	16277685	89200	protein_coding	-2.13	1.32E-03	1.12E-02
ENSG00000152254	G6PC2	2	168901291	168910000	8709	protein_coding	-2.13	1.75E-03	1.36E-02
ENSG00000201412	Y_RNA	10	92710499	92710608	109	misc_RNA	-2.13	3.18E-03	2.05E-02
ENSG00000235497	AC012506.4	2	23375229	23381299	6070	lncRNA	-2.13	7.67E-03	3.73E-02
ENSG00000230176	LINC01433	20	4192932	4195953	3021	lncRNA-antisense	-2.13	7.95E-03	3.82E-02
ENSG00000251307	AC026704.1	5	55233934	55295201	61267	lncRNA-antisense	-2.13	7.52E-03	3.68E-02
ENSG00000164669	INTS4P1	7	65141032	65234216	93184	transcribed_unprocessed_pseudogene	-2.13	5.15E-08	1.12E-05
ENSG00000253802	SIRLNT	8	40298697	40353133	54436	lncRNA	-2.13	1.03E-02	4.58E-02
ENSG00000286645	AC013267.1	2	25000147	25010274	10127	lncRNA	-2.13	1.36E-03	1.15E-02

ENSG00000259751	TUBAP11	15	34849137	34850395	1258	processed_pseudogene	-2.13	2.92E-03	1.94E-02
ENSG00000141316	SPACA3	17	32970376	32997877	27501	protein_coding	-2.13	8.06E-06	3.59E-04
ENSG00000258603	AC005225.2	14	73555115	73633941	78826	lncRNA-antisense	-2.13	6.04E-04	6.60E-03
ENSG00000169154	GOT1L1	8	37934281	37940124	5843	protein_coding	-2.14	4.49E-03	2.60E-02
ENSG00000151632	AKR1C2	10	4987400	5018031	30631	protein_coding	-2.14	1.84E-05	6.19E-04
ENSG00000196600	SLC22A25	11	63163776	63229652	65876	protein_coding	-2.14	3.87E-05	1.02E-03
ENSG00000261558	LINC01859	19	23015059	23031818	16759	lncRNA	-2.14	2.49E-03	1.74E-02
ENSG00000169126	ARMC4	10	27775186	27999079	223893	protein_coding	-2.14	1.29E-05	4.98E-04
ENSG00000284418	AL391117.1	9	22703516	23438700	735184	lncRNA	-2.14	1.18E-03	1.04E-02
ENSG00000271615	ACTG1P22	2	57755428	57766052	10624	transcribed_processed_pseudogene	-2.14	1.89E-03	1.44E-02
ENSG00000277631	PGM5P3-AS1	9	72670	89850	17180	lncRNA	-2.14	2.14E-03	1.57E-02
ENSG00000272642	AP003121.1	11	127188885	127223449	34564	lncRNA	-2.14	8.11E-03	3.87E-02
ENSG00000267535	LINC00868	17	76849840	76861836	11996	lncRNA	-2.14	2.56E-03	1.77E-02
ENSG00000286250	AL161945.1	20	52840936	52843775	2839	lncRNA	-2.14	6.68E-03	3.41E-02
ENSG00000259504	AC026992.1	15	69278675	69295322	16647	lncRNA	-2.14	1.54E-03	1.25E-02
ENSG00000265702	AC005821.1	17	62699244	62754973	55729	lncRNA-antisense	-2.14	2.00E-05	6.54E-04
ENSG00000214369	CY5BAP2	2	169790093	169790885	792	processed_pseudogene	-2.14	8.66E-03	4.04E-02
ENSG00000253238	AC034114.2	8	80265907	80484481	218574	lncRNA	-2.14	2.30E-05	7.19E-04
ENSG00000177234	LINC01561	10	120597949	120600124	2175	lncRNA	-2.14	2.86E-04	4.02E-03
ENSG00000280217	AC126564.1	12	131235511	131237523	2012	TEC	-2.14	7.06E-05	1.56E-03
ENSG00000278913	AC026797.1	5	6134303	6137171	2868	TEC	-2.14	1.65E-03	1.31E-02
ENSG00000259594	AC023034.1	15	81554003	81696780	142777	lncRNA	-2.14	1.94E-03	1.47E-02
ENSG00000286570	AC104304.3	3	46647171	46661507	14336	lncRNA	-2.14	6.76E-03	3.43E-02
ENSG00000187857	OR6C75	12	55362975	55369279	6304	protein_coding	-2.14	5.45E-05	1.30E-03
ENSG00000261302	AC106779.1	16	56708450	56730010	21560	lncRNA-antisense	-2.14	6.10E-04	6.65E-03
ENSG00000116882	HAO2	1	119368779	119394130	25351	protein_coding	-2.14	5.92E-04	6.53E-03
ENSG00000287004	AC007686.5	14	77084689	77085977	1288	lncRNA	-2.14	8.97E-03	4.14E-02
ENSG00000146521	LINC01558	6	167784537	167796872	12335	lncRNA	-2.14	3.22E-06	1.92E-04
ENSG00000275944	AC244100.3	17	36001419	36011618	10199	lncRNA-antisense	-2.14	6.85E-04	7.21E-03
ENSG00000268066	FMR1-AS1	X	147909431	147911817	2386	lncRNA	-2.15	3.11E-04	4.25E-03
ENSG00000254622	NAV2-AS4	11	19510890	19519896	9006	lncRNA-antisense	-2.15	8.25E-03	3.91E-02
ENSG00000174417	TRHR	8	109086585	109121565	34980	protein_coding	-2.15	3.39E-03	2.14E-02
ENSG00000248469	AC139491.1	5	176049678	176062021	12343	lncRNA-antisense	-2.15	6.59E-04	7.02E-03
ENSG00000260518	BMS1P8	16	33687025	33707213	20188	transcribed_unprocessed_pseudogene	-2.15	7.12E-05	1.57E-03
ENSG00000265369	PCAT18	18	26687621	26703638	16017	lncRNA	-2.15	4.36E-03	2.55E-02
ENSG00000179165	PXT1	6	36390551	36442854	52303	protein_coding	-2.15	9.17E-04	8.78E-03
ENSG00000183760	ACP7	19	39083913	39111493	27580	protein_coding	-2.15	3.37E-06	1.97E-04
ENSG00000232679	LINC01705	1	222010825	222064773	53948	lncRNA	-2.15	2.56E-03	1.77E-02
ENSG00000170683	OR10A3	11	7937171	7941708	4537	protein_coding	-2.15	2.08E-03	1.54E-02
ENSG00000277718	LINC02255	15	74379083	74390535	11452	lncRNA	-2.15	6.88E-03	3.47E-02
ENSG00000124092	CTCF1	20	57495966	57525652	29686	protein_coding	-2.15	2.11E-06	1.46E-04
ENSG00000007952	NOX1	X	100843324	100874359	31035	protein_coding	-2.15	1.16E-04	2.17E-03
ENSG00000232928	DDX3P1	X	74121012	74131923	10911	processed_pseudogene	-2.15	1.57E-03	1.26E-02
ENSG00000257790	EIF4A1P4	12	53153272	53154484	1212	processed_pseudogene	-2.15	1.31E-03	1.11E-02
ENSG00000287311	AC140121.1	12	128052122	128068361	16239	lncRNA	-2.15	3.16E-04	4.29E-03
ENSG00000274461	AC023282.1	10	120608580	120825317	216737	lncRNA	-2.15	2.07E-05	6.70E-04
ENSG00000183668	PSG9	19	43211791	43269530	57739	protein_coding	-2.15	5.35E-05	1.28E-03
ENSG00000267465	AC011525.2	19	31588159	31593786	5627	lncRNA	-2.15	8.33E-05	1.74E-03
ENSG00000248482	AC008406.1	5	135124380	135131249	6869	lncRNA	-2.15	1.05E-02	4.63E-02
ENSG00000283039	KLF18	1	44137821	44141631	3810	protein_coding	-2.15	3.98E-04	5.02E-03
ENSG00000254529	MRGPRX7P	11	18863558	18864509	951	unprocessed_pseudogene	-2.15	1.14E-03	1.02E-02
ENSG00000251211	AC136632.2	5	178165702	178166562	860	processed_pseudogene	-2.15	2.63E-03	1.81E-02
ENSG00000284692	Z98259.3	1	5478736	5493057	14321	lncRNA	-2.15	1.84E-04	3.00E-03
ENSG00000255433	LINC02735	11	56848478	56878078	29600	lncRNA	-2.15	1.05E-02	4.62E-02
ENSG00000244541	LINC01213	3	150238519	150244232	5713	lncRNA	-2.15	1.08E-02	4.71E-02
ENSG00000276188	AC069234.4	12	120709112	120709523	411	lncRNA	-2.15	1.13E-03	1.01E-02
ENSG00000286592	LINC02885	22	34756676	35002862	246186	lncRNA	-2.15	1.25E-03	1.08E-02
ENSG00000231971	CT69	6	134428239	134520585	92346	lncRNA	-2.15	5.69E-03	3.06E-02
ENSG00000233854	POU6F2-AS2	7	38980370	39013551	33181	lncRNA-antisense	-2.15	1.61E-03	1.29E-02
ENSG00000274659	LINC02371	12	2740064	2746662	6598	lncRNA	-2.16	1.43E-04	2.50E-03
ENSG00000214651	AL513122.1	9	121238117	121240089	1972	processed_pseudogene	-2.16	7.93E-03	3.81E-02
ENSG00000267636	AC008992.1	19	31421997	31427302	5305	lncRNA	-2.16	1.12E-02	4.82E-02
ENSG00000236208	C10orf71-AS1	10	49296112	49299018	2906	lncRNA-antisense	-2.16	2.93E-03	1.94E-02
ENSG00000265485	LINC01915	18	24534551	24708542	173991	lncRNA	-2.16	3.73E-08	9.08E-06
ENSG00000237268	AC092447.7	7	56421857	56448375	26518	transcribed_unprocessed_pseudogene	-2.16	1.14E-03	1.02E-02
ENSG00000149452	SLC22A8	11	62989154	63015841	26687	protein_coding	-2.16	7.48E-08	1.42E-05
ENSG00000253667	AC100821.1	8	53971231	53974210	2979	processed_pseudogene	-2.16	1.67E-03	1.32E-02
ENSG00000227438	AP001471.1	21	46093264	46097530	4266	lncRNA-antisense	-2.16	4.17E-04	5.16E-03
ENSG00000184650	ODF4	17	8339840	8346048	6208	protein_coding	-2.16	2.66E-03	1.82E-02
ENSG00000275427	AF067845.2	8	1296034	1302607	6573	lncRNA	-2.16	2.68E-04	3.86E-03
ENSG00000225868	AC016582.1	19	37823722	37855215	31493	transcribed_unprocessed_pseudogene	-2.16	5.89E-06	2.89E-04
ENSG00000274330	AL160191.3	14	70230224	70232426	2202	unprocessed_pseudogene	-2.16	1.02E-02	4.55E-02
ENSG00000214942	AC113167.1	5	89900664	89908883	90219	lncRNA	-2.16	7.65E-03	3.73E-02
ENSG00000218823	PAPOLB	7	4857738	4862030	4292	protein_coding	-2.16	3.34E-04	4.45E-03
ENSG00000272281	TPT2P2	13	52219344	52334277	114933	transcribed_unprocessed_pseudogene	-2.16	2.52E-07	3.39E-05
ENSG00000285300	AC073176.2	10	70927055	71077810	150755	lncRNA	-2.16	6.62E-06	3.14E-04
ENSG00000267779	LINC01533	19	32025808	32073809	48001	lncRNA	-2.16	2.67E-06	1.69E-04
ENSG00000229720	AL109924.1	6	169034197	169035642	1445	lncRNA	-2.16	2.72E-03	1.85E-02
ENSG00000271952	LINC01954	2	10844477	10885118	40641	lncRNA	-2.16	2.06E-03	1.53E-02
ENSG00000266573	AC018697.1	18	24725762	24986980	261218	lncRNA	-2.16	9.02E-07	8.05E-05
ENSG00000287391	AC103871.1	15	87638688	87668488	29800	lncRNA	-2.16	2.47E-03	1.73E-02
ENSG00000226780	AC244035.1	1	206117783	206126805	9022	lncRNA-antisense	-2.16	2.48E-03	1.74E-02
ENSG00000188257	PLA2G2A	1	19975431	19980416	4985	protein_coding	-2.16	3.20E-04	4.32E-03
ENSG00000169194	IL13	5	132656263	132661110	4847	protein_coding	-2.16	3.85E-05	1.02E-03
ENSG00000260326	PHBP21	16	52934813	52935635	822	processed_pseudogene	-2.16	3.35E-03	2.13E-02
ENSG00000250358	LINC02200	5	112628436	11264283	14047	lncRNA	-2.16	2.89E-03	1.93E-02
ENSG00000129151	BBOX1	11	27040725	27127809	87084	protein_coding	-2.16	3.85E-03	2.33E-02
ENSG00000117472	TPSPAN1	1	46175073	46185962	10889	protein_coding	-2.16	1.32E-04	2.37E-03
ENSG00000229658	PABPC1P9	22	16423943	16426031	2088	unprocessed_pseudogene	-2.17	6.51E-04	6.96E-03
ENSG00000251687	AC104791.1	4	145833118	145839580	6462	lncRNA-antisense	-2.17	2.13E-03	1.57E-02

ENSG00000126752	SSX1	X	48255392	48267444	12052	protein coding	-2.17	1.08E-03	9.77E-03
ENSG00000231957	GNAI2P2	10	78068623	78069538	915	processed_pseudogene	-2.17	3.37E-03	2.14E-02
ENSG00000253554	LINC01144	8	63687179	64369176	681997	lncRNA	-2.17	2.41E-04	3.61E-03
ENSG00000286866	AC006063.3	12	4857283	4859904	2621	lncRNA	-2.17	1.91E-03	1.45E-02
ENSG00000224017	LINC01449	7	41089539	41133507	43968	lncRNA	-2.17	2.26E-03	1.63E-02
ENSG00000157021	CIBAR1P1	15	41163162	41164374	1212	unprocessed_pseudogene	-2.17	1.17E-02	4.97E-02
ENSG00000235738	AC092647.4	7	55797946	55798480	534	processed_pseudogene	-2.17	7.05E-03	3.53E-02
ENSG00000224856	RPL35AP36	22	43957027	43957348	321	processed_pseudogene	-2.17	6.82E-03	3.45E-02
ENSG00000287232	AC079848.2	3	126213204	126247714	34510	lncRNA	-2.17	6.00E-06	2.92E-04
ENSG00000215838	AL451074.1	1	165698750	165709968	11218	transcribed processed_pseudogene	-2.17	1.03E-04	2.02E-03
ENSG00000205693	MANSC4	12	27762427	27780236	17809	protein coding	-2.17	1.09E-02	4.73E-02
ENSG00000172689	MS4A10	11	60785533	60801305	15972	protein coding	-2.17	1.71E-08	5.28E-06
ENSG00000171489	SPACA5	X	48004336	48009729	5393	protein coding	-2.17	1.02E-03	9.43E-03
ENSG00000259867	AC105411.1	16	80154979	80563354	408375	lncRNA-antisense	-2.17	7.15E-06	3.32E-04
ENSG00000267709	AC024592.2	19	5847467	5858239	10772	lncRNA-antisense	-2.17	1.77E-03	1.37E-02
ENSG00000260818	UNGP1	16	51277852	51279112	1260	processed_pseudogene	-2.17	8.13E-03	3.88E-02
ENSG00000094661	OR111	19	15082211	15092970	10759	protein coding	-2.17	3.67E-06	2.09E-04
ENSG00000275853	Metazoa SRP	7	55731100	55731403	303	misc RNA	-2.17	8.49E-03	3.99E-02
ENSG00000260880	HCCAT5	16	73092349	73099337	6988	lncRNA	-2.17	9.94E-04	9.27E-03
ENSG00000254975	AP001189.4	11	76675079	76703195	28116	lncRNA	-2.17	1.11E-02	4.79E-02
ENSG00000228666	KRT18P1	6	28969130	28970460	1330	processed_pseudogene	-2.17	1.49E-03	1.22E-02
ENSG00000248505	LINC02380	4	57424495	57478341	53846	lncRNA	-2.18	2.75E-03	1.86E-02
ENSG00000228496	AC106875.1	2	11681460	11683328	1868	lncRNA-sense intronic	-2.18	2.08E-03	1.54E-02
ENSG00000255411	LINC02548	11	13784017	13848002	63985	lncRNA	-2.18	2.50E-03	1.74E-02
ENSG00000110680	CALCA	11	14966668	14972351	5683	protein coding	-2.18	1.04E-04	2.03E-03
ENSG00000141934	PLP2	19	281040	291403	10363	protein coding	-2.18	3.73E-09	1.81E-06
ENSG00000254066	LINC01938	5	165220577	165241756	21179	lncRNA	-2.18	9.69E-03	4.37E-02
ENSG00000171931	FBXW10	17	18744026	18779349	35323	protein coding	-2.18	2.06E-06	1.44E-04
ENSG00000237770	SPATA31D2P	9	81966564	81972130	5566	unprocessed_pseudogene	-2.18	7.45E-04	7.64E-03
ENSG00000160472	TMEM190	19	55376826	55378246	1420	protein coding	-2.18	4.32E-03	2.54E-02
ENSG00000181733	ORZ21	19	8721634	8732160	10526	protein coding	-2.18	5.93E-04	6.53E-03
ENSG00000233321	LINC02669	10	3433508	3502915	69407	lncRNA	-2.18	9.89E-10	6.69E-07
ENSG00000283297	TEX52	12	2849046	2857039	7993	protein coding	-2.18	8.48E-04	8.33E-03
ENSG00000157965	SSX8P	X	52622935	52633948	11013	transcribed processed_pseudogene	-2.18	4.49E-04	5.43E-03
ENSG00000253219	KRT18P41	5	170140664	170141940	1276	processed_pseudogene	-2.18	2.80E-03	1.88E-02
ENSG00000279221	AC068254.2	18	69659837	69663413	3576	TEC	-2.18	7.50E-03	3.68E-02
ENSG00000234810	AL603840.1	1	55329288	56070513	741225	lncRNA	-2.18	5.16E-10	4.54E-07
ENSG00000250185	RCC2P8	4	108788745	108789779	1034	processed_pseudogene	-2.18	8.05E-03	3.85E-02
ENSG00000080166	DCT	13	94436811	94479682	42871	protein coding	-2.18	9.18E-09	3.44E-06
ENSG00000104760	FGL1	8	17864380	17910365	45985	protein coding	-2.18	1.74E-04	2.88E-03
ENSG00000237166	LINC01792	2	200711535	200735186	23651	lncRNA	-2.18	6.27E-05	1.43E-03
ENSG00000287324	AL096828.6	20	63116218	63117205	987	lncRNA	-2.18	5.90E-03	3.13E-02
ENSG00000226440	LAMA4-AS1	6	112236093	112307009	70916	lncRNA-antisense	-2.18	6.71E-04	7.09E-03
ENSG00000214814	FERT1L6	8	123851987	124120061	268074	protein coding	-2.18	7.51E-07	7.13E-05
ENSG00000186198	SLS1B	15	65045387	65053397	8010	protein coding	-2.18	2.96E-03	1.96E-02
ENSG00000257474	AC027288.1	12	79540203	79550535	10332	lncRNA	-2.18	6.78E-03	3.44E-02
ENSG00000179363	TMEM31	X	103710909	103714032	3123	protein coding	-2.18	2.51E-03	1.75E-02
ENSG00000286986	AC026736.1	5	5688805	5694742	5937	lncRNA	-2.18	7.27E-03	3.60E-02
ENSG00000172324	OR5A2	11	59416969	59426412	9443	protein coding	-2.18	1.07E-04	2.06E-03
ENSG00000112761	C6orf102	6	112054075	112069686	15611	protein coding	-2.18	5.29E-04	6.05E-03
ENSG00000244681	MTHFD2P1	3	95654423	95683193	28770	transcribed processed_pseudogene	-2.18	1.29E-03	1.10E-02
ENSG00000269707	AC018730.1	2	104853285	104927722	74437	lncRNA-sense overlapping	-2.18	4.92E-04	5.76E-03
ENSG00000286601	AC007563.3	2	216821077	216831910	10833	lncRNA	-2.18	6.74E-03	3.42E-02
ENSG00000255136	AP001972.3	11	75206048	75241173	35125	lncRNA	-2.18	5.94E-05	1.38E-03
ENSG00000287864	AP000345.3	22	23510154	23512662	2508	lncRNA	-2.18	7.52E-03	3.68E-02
ENSG00000239722	IMP3P2	7	128693450	128693924	474	processed_pseudogene	-2.19	4.76E-03	2.71E-02
ENSG00000285996	AC006116.9	19	56380230	56383924	3694	lncRNA-antisense	-2.19	3.41E-08	8.61E-06
ENSG00000274363	AC087742.1	17	4267691	4268430	739	lncRNA	-2.19	7.45E-03	3.66E-02
ENSG00000253445	AC027309.1	5	172690454	172697120	7266	lncRNA-antisense	-2.19	1.77E-02	4.99E-02
ENSG00000255000	AC139103.1	8	145047860	145048889	1029	processed_pseudogene	-2.19	8.56E-03	4.01E-02
ENSG00000215023	AC131097.1	2	241800916	241801907	991	lncRNA-antisense	-2.19	4.54E-03	2.62E-02
ENSG00000237524	TEX51	2	126898664	126902097	3233	protein coding	-2.19	1.83E-03	1.40E-02
ENSG00000255808	PDE2A-AS1	11	72643237	72659407	16170	lncRNA-antisense	-2.19	4.27E-04	5.23E-03
ENSG00000260896	ARLNC1	16	80826074	80892682	66608	lncRNA	-2.19	1.14E-06	9.33E-05
ENSG00000228528	AC068057.1	2	104702650	104705813	3163	lncRNA	-2.19	2.14E-03	1.57E-02
ENSG00000260551	PWRN2	15	24162754	24169948	7194	lncRNA	-2.19	4.53E-04	5.45E-03
ENSG00000110245	APOC3	11	116829706	116833072	3366	protein coding	-2.19	6.01E-04	6.60E-03
ENSG00000229676	ZNF492	19	22634324	22667671	33347	protein coding	-2.19	2.33E-07	3.27E-05
ENSG00000286661	AC02933.2	3	196598549	196609410	10861	lncRNA	-2.19	4.13E-05	1.07E-03
ENSG00000189023	MAGEB16	X	35798342	35803735	5393	protein coding	-2.19	3.03E-03	1.99E-02
ENSG00000286135	AL603764.2	10	122672850	122679494	6644	protein coding	-2.19	6.82E-03	3.45E-02
ENSG00000182963	GJC1	17	44798448	44830816	32368	protein coding	-2.19	3.16E-06	1.90E-04
ENSG00000237423	LINC01522	20	47976739	47990127	13388	lncRNA	-2.19	2.55E-05	7.67E-04
ENSG00000233260	RPSAP63	X	133762796	133763683	887	processed_pseudogene	-2.19	9.35E-03	4.26E-02
ENSG00000237979	DNAJB12P1	2	65500993	65502138	1145	processed_pseudogene	-2.19	3.29E-03	2.10E-02
ENSG00000180723	OR51A9P	11	4660853	4661763	910	unitary_pseudogene	-2.19	9.48E-03	4.30E-02
ENSG00000231933	MYO18B-AS1	22	25876854	25903247	26393	lncRNA-antisense	-2.19	5.31E-06	2.69E-04
ENSG00000277544	AC104073.3	7	65290429	65292776	2347	unprocessed_pseudogene	-2.19	4.12E-03	2.45E-02
ENSG00000169393	ELSPBP1	19	47994632	48025154	30522	protein coding	-2.19	7.40E-03	3.64E-02
ENSG00000260072	AC008938.1	16	24472798	24495177	22379	lncRNA	-2.19	3.86E-07	4.52E-05
ENSG00000188467	SLC24A5	15	48120990	48142672	21682	protein coding	-2.19	4.84E-07	5.28E-05
ENSG00000259218	LINC00928	15	89504909	89524049	19140	lncRNA	-2.19	3.44E-04	4.53E-03
ENSG00000282419	TEX13D	X	124246249	124336863	90614	protein coding	-2.19	9.01E-05	1.83E-03
ENSG00000213514	AL731556.1	10	77730766	77734769	4003	processed_pseudogene	-2.19	1.14E-04	2.15E-03
ENSG00000217060	AL135903.1	6	85286076	85290849	4773	unprocessed_pseudogene	-2.19	2.04E-03	1.52E-02
ENSG00000254417	LINC02584	11	70072434	70075433	2999	lncRNA-antisense	-2.19	2.99E-03	1.97E-02
ENSG00000118434	SPACA1	6	88047841	88066838	18997	protein coding	-2.19	8.51E-04	8.35E-03
ENSG00000215277	RNF212B	14	23185316	23273477	88161	protein coding	-2.20	1.90E-05	6.35E-04
ENSG00000235759	ARHGAP42P3	22	15550904	15553838	2934	processed_pseudogene	-2.20	5.93E-03	3.14E-02
ENSG00000253302	STAU2-AS1	8	73420004	73441526	21522	lncRNA-antisense	-2.20	1.23E-04	2.26E-03

ENSG00000261708	DNM1P32	15	32436503	32439767	3264	unprocessed_pseudogene	-2.20	6.91E-03	3.48E-02
ENSG00000254467	AP002765.1	11	123668499	123675569	7070	lncRNA	-2.20	1.78E-04	2.93E-03
ENSG00000137745	MMP13	11	102942995	102955732	12737	protein_coding	-2.20	9.01E-05	1.83E-03
ENSG00000250148	KRT8P31	5	60743563	60744970	1407	processed_pseudogene	-2.20	1.34E-03	1.13E-02
ENSG00000275805	AC090206.1	18	26565723	26575626	9903	lncRNA-sense_intronic	-2.20	3.01E-04	4.16E-03
ENSG00000255236	AP002992.1	11	68121624	68130518	8894	lncRNA-antisense	-2.20	1.20E-03	1.06E-02
ENSG00000113722	CDX1	5	150166778	150184558	17780	protein_coding	-2.20	1.28E-04	2.33E-03
ENSG00000237174	AL445465.1	6	75357214	75399300	42086	lncRNA-antisense	-2.20	1.78E-03	1.38E-02
ENSG00000145321	GC	4	71741696	71804041	62345	protein_coding	-2.20	4.17E-04	5.16E-03
ENSG00000260832	AC125793.1	16	82953230	82990298	37068	lncRNA-antisense	-2.20	3.72E-03	2.28E-02
ENSG00000253868	FER1L6-AS2	8	124044395	124171522	127127	lncRNA-antisense	-2.20	5.48E-05	1.30E-03
ENSG00000237704	AP004289.2	8	99340305	99341761	1456	processed_pseudogene	-2.20	9.80E-05	1.95E-03
ENSG00000230461	PROX1-AS1	1	213817751	213988508	170757	lncRNA	-2.20	2.80E-07	3.63E-05
ENSG00000254605	AP003555.1	11	70014858	70021059	6201	lncRNA	-2.20	9.02E-04	8.68E-03
ENSG00000182261	NLRP10	11	7957537	7965426	7889	protein_coding	-2.20	2.25E-05	7.06E-04
ENSG00000169347	GP2	16	20309574	20327808	18234	protein_coding	-2.20	2.99E-06	1.82E-04
ENSG00000142615	CELA2A	1	15456728	15472091	15363	protein_coding	-2.20	8.48E-04	8.33E-03
ENSG00000170426	SDR9C7	12	56923133	56934408	11275	protein_coding	-2.20	3.04E-03	1.99E-02
ENSG00000259818	AL606760.3	1	53220663	53224253	3590	lncRNA-antisense	-2.20	8.18E-05	1.72E-03
ENSG00000279368	AL031123.3	6	6685148	6686984	1836	TEC	-2.20	2.69E-03	1.84E-02
ENSG00000132464	ENAM	4	70628744	70646824	18080	protein_coding	-2.20	3.40E-04	4.50E-03
ENSG00000237746	ZNF101P1	10	28338554	28340942	2388	processed_pseudogene	-2.20	3.01E-03	1.98E-02
ENSG00000258550	OR7E106P	14	51763056	51764076	1020	unprocessed_pseudogene	-2.20	7.75E-03	3.75E-02
ENSG00000232913	PLCE1-AS2	10	94081950	94108814	28864	lncRNA-antisense	-2.20	1.39E-04	2.45E-03
ENSG00000162771	FAM71A	1	212624474	212626775	2301	protein_coding	-2.20	2.46E-04	3.65E-03
ENSG00000285856	AL353704.1	13	111148196	111153171	4975	lncRNA-antisense	-2.20	2.93E-03	1.95E-02
ENSG00000188488	SERPINA5	14	94561442	94593118	31676	protein_coding	-2.20	4.41E-06	2.37E-04
ENSG00000243349	AL358394.2	10	45147394	45171389	23995	lncRNA	-2.20	3.59E-04	4.65E-03
ENSG00000253925	AC011369.1	5	168085329	168187719	102390	lncRNA-antisense	-2.21	2.66E-03	1.82E-02
ENSG00000250501	AC093766.1	4	138773537	138803567	30030	lncRNA	-2.21	3.06E-04	4.21E-03
ENSG00000259153	AC004816.1	14	70809841	70815994	6153	lncRNA	-2.21	2.10E-04	3.27E-03
ENSG00000258342	AL133304.3	14	35897936	36068261	170325	lncRNA-sense_overlapping	-2.21	2.10E-04	3.27E-03
ENSG00000205414	AC007608.1	16	50606076	50613684	7608	lncRNA-antisense	-2.21	4.90E-04	5.74E-03
ENSG00000226741	LINC02554	22	27307777	27318501	10724	lncRNA	-2.21	9.70E-07	8.33E-05
ENSG00000280306	AC137056.2	16	20487702	20489659	1957	TEC	-2.21	2.38E-03	1.69E-02
ENSG00000280415	AC005252.3	12	125858862	125861119	2257	TEC	-2.21	3.25E-03	2.08E-02
ENSG00000284739	BX005132.1	1	4963954	4973298	9344	lncRNA	-2.21	4.97E-03	2.79E-02
ENSG00000233515	LINC01518	10	42644445	42691223	47278	lncRNA	-2.21	2.23E-05	7.01E-04
ENSG00000213312	RPL7AP34	6	63548708	63549508	800	processed_pseudogene	-2.21	7.07E-03	3.53E-02
ENSG00000226965	AC073114.1	7	110108031	110534757	426726	lncRNA	-2.21	7.62E-03	3.71E-02
ENSG00000162706	CADM3	1	159171609	159203313	31704	protein_coding	-2.21	2.42E-05	7.44E-04
ENSG00000175121	WFDC5	20	45109452	45115172	5720	protein_coding	-2.21	6.48E-05	1.47E-03
ENSG00000235343	LINC01665	22	16746628	16748645	2017	lncRNA	-2.21	1.21E-03	1.05E-02
ENSG00000254702	AP002353.1	11	107736009	107738718	2709	processed_pseudogene	-2.21	5.02E-03	2.81E-02
ENSG00000136872	ALDOB	9	101420560	101449664	29104	protein_coding	-2.21	1.00E-04	1.98E-03
ENSG00000270929	SRD5A3P1	11	59898185	59899133	948	processed_pseudogene	-2.21	6.60E-03	3.38E-02
ENSG00000187054	TMPPRSS11A	4	67909395	67964140	54745	protein_coding	-2.21	7.16E-05	1.58E-03
ENSG00000250819	LINC02493	4	17171757	17186079	14322	lncRNA	-2.21	7.66E-04	7.79E-03
ENSG00000260926	NC016134.1	15	41609457	41630908	21451	lncRNA	-2.21	1.73E-03	1.35E-02
ENSG00000158077	NLRP14	11	7020479	7071526	51047	protein_coding	-2.21	7.53E-06	3.43E-04
ENSG00000225365	AC078942.1	7	158537495	158539879	2384	lncRNA-antisense	-2.21	3.31E-03	2.11E-02
ENSG00000218672	AC080860.1	7	155382076	155396356	14280	lncRNA	-2.21	1.73E-04	2.87E-03
ENSG00000279674	AC123769.1	17	34000789	34006772	5983	TEC	-2.21	1.52E-05	5.52E-04
ENSG00000231605	LINC01363	1	167175363	167195792	20429	lncRNA-antisense	-2.22	1.25E-03	1.08E-02
ENSG00000260151	LINC02673	10	27343436	27344917	1481	lncRNA	-2.22	5.02E-03	2.81E-02
ENSG00000287415	AC099541.2	3	40869548	40875980	6432	lncRNA	-2.22	1.43E-03	1.19E-02
ENSG00000254237	AC021242.2	8	9367898	9436205	68307	lncRNA	-2.22	6.69E-05	1.50E-03
ENSG00000215853	RPTN	1	152153595	152159228	5633	protein_coding	-2.22	2.95E-04	4.10E-03
ENSG00000232900	AL050403.1	20	10875333	10909279	33946	lncRNA	-2.22	3.24E-04	4.37E-03
ENSG00000188770	OPTC	1	203494153	203508949	14796	protein_coding	-2.22	1.47E-03	1.21E-02
ENSG00000237767	LINC01370	20	40004216	40011323	7107	lncRNA	-2.22	3.75E-05	1.00E-03
ENSG00000215372	ZNF705G	8	7355517	7385558	30041	protein_coding	-2.22	3.06E-05	8.68E-04
ENSG00000223460	GAPDHFP9	13	29306778	29307785	1007	processed_pseudogene	-2.22	8.58E-04	8.39E-03
ENSG00000228480	AC130464.1	16	26354796	26358355	3559	unprocessed_pseudogene	-2.22	7.10E-04	7.39E-03
ENSG00000204480	PRAMEF19	1	13369067	13371900	2833	protein_coding	-2.22	2.96E-04	4.12E-03
ENSG00000272815	AC098850.4	17	16788057	16816540	28483	lncRNA	-2.22	3.22E-04	4.33E-03
ENSG00000181767	OR8H2	11	56103687	56107658	3971	protein_coding	-2.22	1.13E-02	4.85E-02
ENSG00000125815	CST8	20	23491101	23496010	4909	protein_coding	-2.22	2.08E-03	1.54E-02
ENSG00000223492	AL391097.1	20	53168643	53179550	10907	lncRNA-antisense	-2.22	2.24E-03	1.62E-02
ENSG00000232936	AL157400.2	10	89645272	89652144	6872	lncRNA-antisense	-2.22	8.88E-04	8.59E-03
ENSG00000259555	AC067863.1	15	78625895	78628193	2298	lncRNA-antisense	-2.22	1.34E-03	1.13E-02
ENSG00000249706	AC105384.1	4	53899871	53916835	16964	lncRNA-sense_intronic	-2.22	8.22E-03	3.90E-02
ENSG00000227538	HNRNPFP1	1	42040597	42041729	1132	processed_pseudogene	-2.22	1.08E-03	9.79E-03
ENSG00000234967	AL357558.2	20	47950797	47954808	4011	lncRNA	-2.22	2.40E-04	3.60E-03
ENSG00000286092	AC117503.5	12	123713408	123723169	9761	lncRNA-antisense	-2.22	3.35E-03	2.13E-02
ENSG00000237605	DYRK3-AS1	1	206634196	206635714	1518	lncRNA-antisense	-2.22	1.05E-02	4.62E-02
ENSG00000268460	AC006262.1	19	46201552	46214838	13286	lncRNA	-2.22	1.18E-05	4.65E-04
ENSG00000249509	NEUROG2-AS1	4	112515385	112546881	31496	lncRNA-antisense	-2.22	2.07E-03	1.53E-02
ENSG00000253642	AF279873.3	8	33604856	34039104	43428	lncRNA	-2.22	2.11E-04	3.28E-03
ENSG00000260202	AL109954.1	20	23481645	23519054	37409	lncRNA	-2.22	7.48E-04	7.66E-03
ENSG00000283568	5 S rRNA	20	29297095	29297246	151	rRNA	-2.22	1.13E-02	4.84E-02
ENSG00000254661	LINC02682	11	15910528	15930951	20423	lncRNA	-2.22	8.85E-05	1.81E-03
ENSG00000221836	OR2A5	7	144048948	144058845	9897	protein_coding	-2.22	1.84E-06	1.34E-04
ENSG00000235269	LINC02331	14	53685139	53850882	165743	lncRNA	-2.23	1.06E-02	4.66E-02
ENSG00000262313	AC127496.3	17	80940418	80942033	1615	lncRNA-antisense	-2.23	1.12E-04	2.12E-03
ENSG0000018607	ZNF806	2	132304806	132326855	22049	transcribed_unprocessed_pseudogene	-2.23	4.95E-06	2.57E-04
ENSG00000232451	AC018467.1	2	23018125	23199056	180931	lncRNA	-2.23	5.99E-05	1.38E-03
ENSG00000213365	AP000593.1	11	72280151	72281178	1027	processed_pseudogene	-2.23	3.79E-03	2.31E-02
ENSG00000255027	AP000842.2	11	125903247	125938916	35669	lncRNA-antisense	-2.23	1.01E-02	4.49E-02
ENSG00000267879	AC011483.1	19	50968193	51012129	43936	lncRNA-antisense	-2.23	1.01E-03	9.36E-03

ENSG00000261592	AC010531.3	16	87396704	87400295	3591	lncRNA-antisense	-2.23	1.85E-03	1.42E-02
ENSG00000184571	PIWIL3	22	24719034	24774720	55686	protein coding	-2.23	5.92E-07	6.10E-05
ENSG00000226921	LINC00454	13	113878489	113883651	5162	lncRNA	-2.23	2.13E-05	6.79E-04
ENSG00000214546	AC087491.1	17	39619613	39622770	3157	lncRNA	-2.23	3.31E-03	2.11E-02
ENSG00000259464	SNRPCP18	15	101562536	101562974	438	processed pseudogene	-2.23	6.69E-03	3.41E-02
ENSG0000066813	ACSM2B	16	20536226	20576427	40201	protein coding	-2.23	4.79E-06	2.51E-04
ENSG00000251423	AC016576.1	5	13860303	13901036	40733	lncRNA-antisense	-2.23	5.58E-04	6.26E-03
ENSG00000224568	LINC01886	2	107529292	107556499	27207	lncRNA	-2.23	6.64E-03	3.39E-02
ENSG00000285769	AP003100.2	11	112637342	112751131	113789	lncRNA	-2.23	1.00E-07	1.73E-05
ENSG00000228407	AL139156.2	1	52160261	52160600	339	processed pseudogene	-2.23	7.93E-03	3.81E-02
ENSG00000158516	CPA2	7	130266863	130289798	22935	protein coding	-2.23	2.49E-05	7.56E-04
ENSG00000248461	LINC02119	5	38025568	38184717	159149	lncRNA	-2.23	4.05E-04	5.07E-03
ENSG00000213727	AP000533.1	22	15572089	15573265	1176	processed pseudogene	-2.23	9.91E-03	4.44E-02
ENSG00000108947	EFNB3	17	7705202	7711372	6170	protein coding	-2.23	1.11E-04	2.10E-03
ENSG00000115598	IL1RL2	2	102187006	102240002	52996	protein coding	-2.24	1.73E-05	5.93E-04
ENSG00000282998	AC009975.2	2	49202126	49451896	249770	lncRNA	-2.24	3.44E-03	2.17E-02
ENSG00000279606	AC006600.2	17	56471142	56473647	2505	TEC	-2.24	2.82E-03	1.89E-02
ENSG00000214796	TUBA5P	1	202851828	202861620	9792	transcribed unprocessed pseudogene	-2.24	1.07E-04	2.06E-03
ENSG00000258278	CLUHP8	12	38082046	38087392	5346	unprocessed pseudogene	-2.24	2.63E-03	1.81E-02
ENSG00000170054	SERPINA9	14	94462717	94479689	16972	protein coding	-2.24	3.96E-04	4.75E-03
ENSG00000249003	CLUHP4	4	190057902	190063005	5103	unprocessed pseudogene	-2.24	3.40E-03	2.15E-02
ENSG00000227519	AL008719.1	22	31963357	31970400	7043	lncRNA	-2.24	4.17E-03	2.47E-02
ENSG00000175018	TEX36	10	125576522	125683163	106641	protein coding	-2.24	6.97E-04	7.28E-03
ENSG00000213383	AC104297.1	3	17871729	17872598	869	processed pseudogene	-2.24	1.71E-03	1.34E-02
ENSG00000279200	AC020558.5	17	17616043	17617745	1702	TEC	-2.24	2.14E-04	3.31E-03
ENSG00000262147	AC124283.2	17	82587313	82588411	1098	lncRNA-antisense	-2.24	1.10E-02	4.78E-02
ENSG00000237212	AL449403.1	9	96065740	96101912	36172	lncRNA	-2.24	3.48E-06	2.01E-04
ENSG00000253421	ZNHIT1P1	8	142858354	142858797	443	processed pseudogene	-2.24	1.27E-03	1.09E-02
ENSG00000135669	TAAR5	6	132588673	132589666	1013	protein coding	-2.24	7.90E-03	3.80E-02
ENSG00000282381	AC104073.4	7	65269374	65306238	36864	lncRNA	-2.24	9.95E-03	4.46E-02
ENSG00000174339	OR2Y1	5	180739042	180740099	1057	protein coding	-2.24	3.39E-03	2.15E-02
ENSG00000204501	PRAMEF15	1	13315581	13322598	7017	protein coding	-2.24	6.54E-04	6.99E-03
ENSG00000287096	AC005165.3	7	25750890	25756256	5366	lncRNA	-2.24	1.87E-03	1.43E-02
ENSG00000230978	LINC00160	21	34723807	34737204	13397	lncRNA	-2.24	4.25E-03	2.51E-02
ENSG00000248103	AC008443.2	5	181281375	181283652	2277	lncRNA	-2.24	2.67E-04	3.86E-03
ENSG00000184459	BP1FC	22	32413847	32464484	50637	protein coding	-2.24	5.77E-05	1.35E-03
ENSG00000234145	NAP1L4P3	13	47763460	47764606	1146	processed pseudogene	-2.24	5.10E-05	1.24E-03
ENSG00000283405	AL121759.2	20	21089696	21092539	2843	lncRNA	-2.24	7.26E-03	3.60E-02
ENSG00000151379	MSGN1	2	17816460	17817798	1338	protein coding	-2.24	1.05E-02	4.63E-02
ENSG00000171561	QR2AT4	11	75081753	75096876	15123	protein coding	-2.24	8.13E-07	7.55E-05
ENSG00000214102	WEE2	7	141708353	141731271	22918	protein coding	-2.24	9.54E-05	1.92E-03
ENSG00000278110	SUSD2P2	22	18623339	18625289	1950	unprocessed pseudogene	-2.24	6.97E-03	3.50E-02
ENSG00000203859	HSD3B2	1	119414931	119423056	8104	protein coding	-2.25	7.29E-04	7.53E-03
ENSG00000172752	COL6A5	3	130345516	130484844	139328	protein coding	-2.25	1.25E-09	7.79E-07
ENSG00000262772	LINC01977	17	79819083	79827704	8621	lncRNA	-2.25	3.03E-07	3.85E-05
ENSG00000259769	AC127381.1	15	20046296	20047994	1698	processed pseudogene	-2.25	1.09E-02	4.74E-02
ENSG00000260564	AL161912.2	9	79898901	79892007	3006	lncRNA	-2.25	5.05E-03	2.82E-02
ENSG00000153822	KCNJ16	17	70053429	70135608	82179	protein coding	-2.25	7.91E-06	3.55E-04
ENSG00000234855	SLIT1-AS1	10	97102756	97104355	1599	lncRNA-antisense	-2.25	1.18E-03	1.03E-02
ENSG00000286907	AC123512.1	12	92008052	92022595	14543	lncRNA	-2.25	6.88E-03	3.47E-02
ENSG00000244176	AP003733.1	11	62011751	62012602	851	processed pseudogene	-2.25	7.81E-03	3.78E-02
ENSG00000137673	MMP7	11	102520508	102530750	10242	protein coding	-2.25	2.48E-03	1.74E-02
ENSG00000073598	FNDC8	17	35121615	35130732	9117	protein coding	-2.25	6.53E-05	1.48E-03
ENSG00000112214	FHL5	6	96562548	96616636	54088	protein coding	-2.25	2.20E-03	1.60E-02
ENSG00000284631	SCYGR4	2	227616998	227618655	1657	protein coding	-2.25	1.97E-03	1.48E-02
ENSG00000149507	OOSP2	11	60040409	60048044	7635	protein coding	-2.25	1.36E-03	1.14E-02
ENSG00000260488	AC007216.1	16	11976851	11977850	999	lncRNA-antisense	-2.25	6.03E-03	3.18E-02
ENSG00000227914	AL136979.1	9	673478	685555	12077	lncRNA-antisense	-2.25	1.52E-03	1.23E-02
ENSG00000266114	AC015908.4	17	10792059	10794985	2926	lncRNA	-2.25	1.82E-03	1.40E-02
ENSG00000183055	FAM133CP	10	58715554	58716257	703	processed pseudogene	-2.25	5.65E-03	3.04E-02
ENSG00000234962	LINC00700	10	1989076	2015005	25929	lncRNA	-2.25	8.95E-07	8.04E-05
ENSG00000234693	RIPOR3-AS1	20	50645471	50662275	16804	lncRNA-antisense	-2.25	1.32E-04	2.37E-03
ENSG00000284694	AL355602.1	1	4479131	4484375	5244	lncRNA	-2.26	2.20E-03	1.60E-02
ENSG00000258535	AL079307.1	14	51765276	51825422	60146	lncRNA-sense overlapping	-2.26	6.05E-06	2.93E-04
ENSG00000180861	LINC01559	12	13371089	13387167	16078	lncRNA	-2.26	2.44E-04	3.63E-03
ENSG00000175336	APOF	12	56360568	56362857	2289	protein coding	-2.26	4.25E-03	2.51E-02
ENSG00000230500	MKX-AS1	10	27744786	27767794	23008	lncRNA-antisense	-2.26	4.16E-04	5.16E-03
ENSG00000185681	MORN5	9	122159908	122200088	40180	protein coding	-2.26	1.91E-03	1.45E-02
ENSG00000187569	DPPA3	12	77114333	77175559	6126	protein coding	-2.26	8.80E-03	4.09E-02
ENSG00000241933	DENND6A-DT	3	57693205	57696596	3391	lncRNA	-2.26	1.64E-05	5.73E-04
ENSG00000132911	NMUR2	5	152391546	152433368	41822	protein coding	-2.26	1.25E-04	2.29E-03
ENSG00000227838	AL121885.2	22	27676559	27714970	38411	lncRNA	-2.26	4.87E-03	2.76E-02
ENSG00000278898	AC087045.3	8	134764809	134767276	2467	TEC	-2.26	3.38E-03	2.14E-02
ENSG00000280073	AL157996.1	14	69357010	69359308	2298	TEC	-2.26	5.05E-05	1.23E-03
ENSG00000288566	AL451164.3	10	3200829	3210666	9837	lncRNA	-2.26	6.93E-03	3.49E-02
ENSG00000261738	MIR3976HG	18	5721812	5876328	154516	lncRNA	-2.26	3.05E-08	8.07E-06
ENSG00000170953	OR8B12	11	124539635	124545333	5698	protein coding	-2.26	9.56E-04	9.04E-03
ENSG00000237406	NDUF9P1	22	35897270	35898404	1134	processed pseudogene	-2.26	4.99E-03	2.80E-02
ENSG00000226097	AC099342.1	7	20296637	20314512	17875	lncRNA	-2.26	1.21E-03	1.06E-02
ENSG00000250930	LNK1-AS1	4	53496400	53549578	53178	lncRNA-antisense	-2.26	1.38E-04	2.45E-03
ENSG00000206145	P2RX6P	22	21035243	21045017	9774	transcribed unprocessed pseudogene	-2.26	9.84E-04	9.20E-03
ENSG00000253557	AC100849.1	8	19084992	19259469	174477	lncRNA	-2.26	7.34E-04	7.56E-03
ENSG00000236065	AL020995.1	1	32987075	33032469	45394	lncRNA-antisense	-2.26	1.69E-03	1.28E-02
ENSG00000172497	ACOT12	5	81329996	81394179	64183	protein coding	-2.26	8.15E-06	3.61E-04
ENSG00000233009	NALCN-AS1	13	100708325	101059286	350961	lncRNA-antisense	-2.26	1.63E-05	5.73E-04
ENSG00000172421	EFCAB3	17	62343941	62416480	72539	protein coding	-2.26	6.32E-05	1.44E-03
ENSG00000174898	CATSPERD	19	5720637	5778734	58097	protein coding	-2.26	1.28E-08	4.35E-06
ENSG00000213979	RPL7AP1A	20	37444733	37445534	801	processed pseudogene	-2.26	1.65E-03	1.31E-02
ENSG00000221977	OR4E2	14	21653835	21667642	13807	protein coding	-2.26	2.00E-04	3.17E-03
ENSG00000257918	AC079385.3	12	106714924	106733066	18142	lncRNA-antisense	-2.27	2.82E-03	1.90E-02

ENSG00000236908	LINC02827	12	3318718	3325343	6625	lncRNA	-2.27	1.38E-04	2.44E-03
ENSG00000238192	BX284856.2	22	48139461	48141001	1540	lncRNA	-2.27	5.88E-03	3.12E-02
ENSG00000286677	AP006545.3	8	38082122	38092888	17166	lncRNA	-2.27	9.11E-03	4.19E-02
ENSG00000261190	C16orf97	16	52005487	52078474	72987	lncRNA	-2.27	3.36E-04	4.46E-03
ENSG00000249807	AC034229.1	5	10137138	10138365	1227	lncRNA	-2.27	1.39E-03	1.16E-02
ENSG00000227711	AL451054.1	1	227509028	227510618	1590	unprocessed pseudogene	-2.27	2.75E-04	3.92E-03
ENSG00000228559	AL033519.4	6	35539838	35546573	6735	lncRNA	-2.27	7.02E-03	3.52E-02
ENSG00000262558	AC129507.3	17	354737	356882	2145	lncRNA-antisense	-2.27	1.64E-03	1.31E-02
ENSG00000224404	Z68323.1	22	34191194	34210564	19370	lncRNA	-2.27	1.76E-05	6.02E-04
ENSG00000249489	GAPDHP70	11	88408179	88409223	1044	processed pseudogene	-2.27	5.14E-03	2.85E-02
ENSG00000125997	BP1FB9P	20	33347720	33354444	6724	transcribed unitary pseudogene	-2.27	1.48E-05	5.44E-04
ENSG00000279314	AC002525.1	13	31960325	31961946	1621	TEC	-2.27	9.63E-04	9.07E-03
ENSG00000275585	AC241377.2	1	120985692	121052167	66475	transcribed unprocessed pseudogene	-2.27	1.28E-03	1.10E-02
ENSG00000233756	DSCAM-IT1	21	40615378	40630767	15389	lncRNA-sense intronic	-2.27	1.66E-04	2.78E-03
ENSG00000124678	TCP11	6	35118071	35148610	30539	protein coding	-2.27	2.79E-05	8.15E-04
ENSG00000233492	AL133325.2	20	21530122	21535665	5543	lncRNA	-2.27	1.38E-03	1.15E-02
ENSG00000264630	PRKCA-AS1	17	66398069	66416854	18785	lncRNA-antisense	-2.27	1.58E-05	5.64E-04
ENSG00000267507	AC010327.3	19	55119250	55120383	1133	processed pseudogene	-2.27	9.77E-03	4.39E-02
ENSG00000283286	AC093277.1	5	40415137	40431491	16354	lncRNA	-2.27	3.99E-03	2.39E-02
ENSG00000187969	ZCCHC13	X	74304180	74305034	854	protein coding	-2.27	5.40E-03	2.95E-02
ENSG00000232083	RPL31P7	17	80602549	80602926	377	processed pseudogene	-2.27	3.78E-03	2.31E-02
ENSG00000280177	AC004408.2	17	39165073	39167849	2776	TEC	-2.27	7.56E-06	3.44E-04
ENSG00000198704	GPX6	6	28503296	28528215	24919	protein coding	-2.27	9.78E-04	9.17E-03
ENSG00000224346	BICD1P1	2	200844240	200845611	1221	processed pseudogene	-2.27	1.52E-03	1.24E-02
ENSG00000225166	AC012462.1	2	215453688	215486639	32951	lncRNA	-2.27	3.88E-03	2.35E-02
ENSG00000281920	AC007389.3	2	85623272	85628424	5152	lncRNA	-2.27	8.03E-03	3.84E-02
ENSG00000128617	OPN1SW	7	128772491	12877590	3299	protein coding	-2.27	1.52E-03	1.23E-02
ENSG00000233433	AC006144.1	X	121024964	121026563	1599	processed pseudogene	-2.28	2.62E-03	1.80E-02
ENSG00000167139	TBC1D21	15	73873564	73889214	15650	protein coding	-2.28	9.39E-07	8.18E-05
ENSG00000261848	AC090282.1	17	3134969	3177031	42062	lncRNA	-2.28	1.15E-03	1.02E-02
ENSG00000265750	AC090772.3	18	24159509	24162211	2702	lncRNA	-2.28	2.84E-04	4.01E-03
ENSG00000259821	AC018845.1	16	47004513	47035385	30872	lncRNA	-2.28	7.61E-03	3.71E-02
ENSG00000170703	TTL6	17	48762235	48817214	54979	protein coding	-2.28	1.23E-08	4.24E-06
ENSG00000152611	CAPSL	5	35904288	35938779	34491	protein coding	-2.28	5.11E-03	2.84E-02
ENSG00000224116	INHBA-AS1	7	41693864	41779388	85504	lncRNA-antisense	-2.28	8.93E-08	1.60E-05
ENSG00000175664	TEX26	13	30932656	30975500	42844	protein coding	-2.28	3.45E-04	4.54E-03
ENSG00000171819	ANGPTL7	1	11189355	11195981	6626	protein coding	-2.28	8.80E-06	3.81E-04
ENSG00000178586	OR6B3	2	240045077	240047027	1950	protein coding	-2.28	8.13E-04	8.12E-03
ENSG00000262298	AC004584.1	17	56939932	56941275	1343	lncRNA-antisense	-2.28	1.44E-03	1.19E-02
ENSG00000182824	FAM230E	22	18733914	18757906	23992	lncRNA	-2.28	1.23E-03	1.07E-02
ENSG00000259175	AC108451.1	15	80554609	80562944	8335	lncRNA-antisense	-2.28	1.96E-04	3.12E-03
ENSG00000144962	SPATA16	3	172889357	173141235	251878	protein coding	-2.28	4.14E-04	5.14E-03
ENSG00000223728	AC239801.1	1	147840962	147842359	1397	processed pseudogene	-2.28	1.79E-03	1.39E-02
ENSG00000242515	UGT1A10	2	233636454	233773305	136851	protein coding	-2.28	4.81E-03	2.73E-02
ENSG00000258171	LINC02412	12	93173470	93182299	8829	lncRNA	-2.28	1.07E-03	9.74E-03
ENSG00000259724	LINC01581	15	93905405	94107938	202533	lncRNA	-2.28	9.69E-05	1.94E-03
ENSG00000225055	AL606490.1	X	48357125	48359495	2370	processed pseudogene	-2.28	1.14E-02	4.89E-02
ENSG00000147432	CHRN3	8	42697366	42737407	40041	protein coding	-2.28	1.57E-03	1.27E-02
ENSG00000101349	PAK5	20	9537370	9839076	301706	protein coding	-2.28	6.05E-05	1.40E-03
ENSG00000253100	AC009623.1	8	25593197	25688786	95589	lncRNA	-2.28	4.44E-06	2.38E-04
ENSG00000213212	NCLP1	9	136812788	136815536	2748	processed pseudogene	-2.28	1.51E-03	1.23E-02
ENSG00000272692	AC010997.4	10	75409142	75411842	2700	lncRNA	-2.28	2.47E-05	7.52E-04
ENSG00000256540	AC007406.3	12	166856	182399	15543	lncRNA	-2.28	6.43E-05	1.46E-03
ENSG00000253688	AC026904.2	8	48551527	48556441	4914	lncRNA	-2.28	8.06E-04	8.07E-03
ENSG00000228100	LINC01820	2	46392291	46394228	1937	lncRNA	-2.28	4.10E-03	2.44E-02
ENSG00000224743	TEX26-AS1	13	30881933	30833846	51913	lncRNA-antisense	-2.28	2.57E-05	7.73E-04
ENSG00000251038	AC090958.1	3	11909634	11910765	1131	unprocessed pseudogene	-2.29	9.23E-03	4.22E-02
ENSG00000249478	AC010307.3	5	133243764	133248781	5017	lncRNA-antisense	-2.29	8.03E-05	1.70E-03
ENSG00000230375	GSTA11P	6	52847910	52870329	22419	unprocessed pseudogene	-2.29	9.37E-04	8.91E-03
ENSG00000225427	LINC00331	13	78786272	78840051	53779	lncRNA	-2.29	5.42E-04	6.13E-03
ENSG00000163815	CLEC3B	3	45001548	45036071	34523	protein coding	-2.29	8.31E-04	8.24E-03
ENSG00000236295	AC007557.3	2	216870441	216873932	3491	lncRNA	-2.29	9.84E-04	9.20E-03
ENSG00000226926	PDZPH1P	5	103430406	103526618	96212	transcribed unitary pseudogene	-2.29	1.02E-02	4.54E-02
ENSG00000215110	UGT2B25P	4	69389492	69402081	12589	processed pseudogene	-2.29	7.48E-03	3.67E-02
ENSG00000273172	LINC02091	17	183824	191587	7763	lncRNA	-2.29	1.08E-03	9.79E-03
ENSG00000287666	AP000821.2	11	126121889	126128081	6192	lncRNA	-2.29	6.49E-04	6.95E-03
ENSG00000228689	AL355997.1	6	51599723	51623428	23705	lncRNA-antisense	-2.29	1.83E-03	1.41E-02
ENSG00000145384	FABP2	4	119317250	119322138	4888	protein coding	-2.29	2.83E-03	1.90E-02
ENSG00000260455	NBAT1	6	22133205	22147193	13988	lncRNA	-2.29	9.92E-04	9.26E-03
ENSG00000233684	LINC01865	2	317912	342118	24206	lncRNA	-2.29	3.16E-04	4.29E-03
ENSG00000184999	SLC22A10	11	63137867	63369718	231851	protein coding	-2.29	1.55E-05	5.60E-04
ENSG00000286954	AL033539.2	6	22663507	22675493	11986	lncRNA	-2.29	2.51E-03	1.75E-02
ENSG00000255021	AC093496.1	3	14272373	14303845	31472	lncRNA	-2.29	1.10E-02	4.76E-02
ENSG00000236795	CNTNAP2-AS1	7	147080934	147097609	16675	lncRNA-antisense	-2.29	4.34E-03	2.54E-02
ENSG00000287563	AP006219.3	18	10406558	10422360	15802	lncRNA	-2.29	1.03E-03	9.46E-03
ENSG00000286191	AL158195.1	13	50372788	50387158	14370	lncRNA	-2.29	2.46E-03	1.72E-02
ENSG00000252010	SCARNA5	2	233275727	233276002	275	scaRNA	-2.29	5.05E-07	5.39E-05
ENSG00000286911	AC009533.3	12	9347028	9350947	3919	lncRNA	-2.29	4.40E-03	2.57E-02
ENSG00000229853	AL034418.1	20	47630266	47631438	1172	processed pseudogene	-2.29	2.33E-03	1.67E-02
ENSG00000272866	AL135786.2	9	5351796	53521010	614	lncRNA	-2.29	1.00E-03	9.32E-03
ENSG00000259361	LINC00927	15	80263068	80341805	78737	lncRNA	-2.29	9.38E-06	4.00E-04
ENSG00000248973	AC106799.2	5	4451930	4866311	414381	lncRNA	-2.29	3.23E-05	8.97E-04
ENSG00000167916	KRT24	17	40697991	40703752	5761	protein coding	-2.30	1.07E-04	2.06E-03
ENSG00000233157	Z97055.1	22	43759199	43759910	711	processed pseudogene	-2.30	2.80E-03	1.88E-02
ENSG00000279324	AL645730.1	1	49994318	49996218	1900	TEC	-2.30	2.61E-03	1.80E-02
ENSG00000263615	MIR4306	13	99643059	99643149	90	miRNA	-2.30	8.65E-03	4.04E-02
ENSG00000235594	AL139824.2	20	56267872	56269231	1359	processed pseudogene	-2.30	2.45E-03	1.72E-02
ENSG00000248903	AP000867.1	11	71568860	71568934	254	processed pseudogene	-2.30	4.50E-03	2.61E-02
ENSG00000285520	AL353586.1	10	12877459	12965275	87816	lncRNA-antisense	-2.30	5.20E-06	2.66E-04
ENSG00000230987	AL359976.1	1	189989570	189993097	3527	processed pseudogene	-2.30	4.33E-03	2.54E-02

ENSG00000229031	MTCO1P25	7	69331835	69333633	1798	unprocessed_pseudogene	-2.30	3.32E-03	2.11E-02
ENSG00000241832	CERC3	22	17256859	17266733	9874	lncRNA	-2.30	2.29E-03	1.64E-02
ENSG00001802869	GPR139	16	20028239	20073890	45651	protein_coding	-2.30	1.96E-06	1.39E-04
ENSG00000226140	LINC02654	10	16276871	16295858	18987	lncRNA	-2.30	9.28E-04	8.87E-03
ENSG00000229637	PRAC2	17	48723185	48724758	1573	protein_coding	-2.30	1.07E-02	4.68E-02
ENSG00000286770	AC10082.1	15	68483202	68487149	3947	lncRNA	-2.30	5.02E-04	5.82E-03
ENSG00000179141	MTUS2-AS1	13	29476515	29490105	13590	lncRNA-antisense	-2.30	4.91E-06	2.55E-04
ENSG00000280870	MIR325HG	X	76656866	77014532	357666	lncRNA	-2.30	2.47E-04	3.66E-03
ENSG00000235711	ANKRD34C	15	79293285	79298235	4950	protein_coding	-2.30	5.44E-05	1.30E-03
ENSG00000228829	AC005077.3	7	76173733	76177205	3472	transcribed_unprocessed_pseudogene	-2.30	2.79E-03	1.88E-02
ENSG00000227790	SPECC1P1	17	15829369	15908632	79263	transcribed_unprocessed_pseudogene	-2.30	4.76E-04	5.63E-03
ENSG00000270111	CELF2-DT	10	10369809	10462361	92552	lncRNA	-2.30	1.83E-06	1.34E-04
ENSG00000140465	CYP1A1	15	74719542	74725536	5994	protein_coding	-2.30	3.67E-04	4.73E-03
ENSG00000244227	LRRCL7P7	3	167864773	167924011	59238	transcribed_unitary_pseudogene	-2.31	4.14E-06	2.26E-04
ENSG00000237728	CAMTA1-AS2	1	7382487	7389754	7267	lncRNA-antisense	-2.31	1.19E-04	2.21E-03
ENSG00000264589	MAPT-AS1	17	45799390	45895680	96290	lncRNA-antisense	-2.31	3.91E-11	6.44E-08
ENSG00000130957	FBP2	9	94558720	94593824	35104	protein_coding	-2.31	1.94E-04	3.10E-03
ENSG00000175772	LINC01106	2	110375138	110384442	9304	lncRNA	-2.31	4.08E-04	5.09E-03
ENSG00000261742	LINC00922	16	65284496	65576345	291849	lncRNA	-2.31	3.38E-04	4.48E-03
ENSG00000236963	LINC01141	1	20360579	20431234	70655	lncRNA	-2.31	4.51E-08	1.01E-05
ENSG00000280380	AC009831.4	18	31982899	31986087	3188	TEC	-2.31	2.19E-04	3.38E-03
ENSG00000256443	AP003559.1	11	61539516	61542259	2743	lncRNA	-2.31	1.24E-03	1.07E-02
ENSG00000238107	LINC02806	1	148295180	148297556	2376	lncRNA	-2.31	7.12E-03	3.55E-02
ENSG00000225980	OR7E19P	19	9265440	9268819	3379	transcribed_unprocessed_pseudogene	-2.31	5.31E-04	6.06E-03
ENSG00000253871	AC068075.1	8	57341021	57365444	24423	lncRNA	-2.31	1.14E-06	9.29E-05
ENSG00000214943	GPR33	14	31482875	31488039	5164	protein_coding	-2.31	7.70E-03	3.73E-02
ENSG00000272975	MYH4S	17	10383144	10623886	240742	lncRNA-antisense	-2.31	4.61E-04	5.51E-03
ENSG00000197487	GALP	19	56176008	56185775	9767	protein_coding	-2.31	1.01E-04	1.99E-03
ENSG00000225315	AL591178.1	1	24040835	24068799	45964	lncRNA-antisense	-2.31	1.08E-03	9.76E-03
ENSG00000237473	AC068759.1	3	173153737	173336965	183228	lncRNA	-2.31	5.04E-03	2.82E-02
ENSG00000280356	AL021877.2	22	34641179	34651862	10683	lncRNA	-2.31	2.90E-06	1.79E-04
ENSG00000261456	TUBB8	10	46888	74163	27275	protein_coding	-2.31	4.56E-07	5.05E-05
ENSG00000259103	AF107885.2	14	75814502	75847698	33196	lncRNA-antisense	-2.32	3.27E-04	4.39E-03
ENSG00000271811	Z97200.1	1	170667381	170669425	2044	lncRNA	-2.32	1.97E-03	1.48E-02
ENSG00000279373	AC027228.3	15	78537681	78538946	1265	TEC	-2.32	9.36E-03	4.26E-02
ENSG00000270226	AC006548.2	22	17012404	17012932	528	processed_pseudogene	-2.32	3.94E-03	2.37E-02
ENSG00000287983	AL035251.1	20	39231115	39233836	2721	lncRNA	-2.32	2.16E-05	6.87E-04
ENSG00000272154	AC244517.2	5	141100242	141174391	74149	lncRNA-antisense	-2.32	2.12E-04	3.29E-03
ENSG00000237121	PIEZO1P2	20	58740532	58783221	43289	unprocessed_pseudogene	-2.32	8.49E-05	1.76E-03
ENSG00000157502	PWWP3B	X	106168305	106208956	40651	protein_coding	-2.32	4.78E-04	5.65E-03
ENSG00000287045	AC072028.1	3	142687982	142723881	35899	lncRNA	-2.32	8.41E-04	8.30E-03
ENSG00000200867	RN7SKP36	4	7112088	7112399	311	misc_RNA	-2.32	6.98E-04	7.29E-03
ENSG00000206129	AC006305.1	18	56003613	56191262	187649	lncRNA	-2.32	7.51E-05	1.63E-03
ENSG00000235436	DPY19L2P4	7	90119400	90125600	6200	transcribed_unprocessed_pseudogene	-2.32	4.89E-03	2.76E-02
ENSG00000225708	AL354984.2	20	58069054	58072070	3016	lncRNA	-2.32	1.59E-03	1.28E-02
ENSG00000228459	LINC01546	X	3271544	3286138	14594	lncRNA	-2.32	1.48E-04	2.56E-03
ENSG00000288048	AC104088.3	2	172234230	172237223	2993	lncRNA	-2.32	1.57E-03	1.26E-02
ENSG00000286073	AL138900.2	1	157287267	157310655	23388	unprocessed_pseudogene	-2.33	8.85E-05	1.81E-03
ENSG00000288021	AL450338.2	6	85949690	85998263	48573	lncRNA	-2.33	9.76E-03	4.39E-02
ENSG00000280025	AL008638.6	22	27102766	27107019	4253	lncRNA	-2.33	2.22E-06	1.50E-04
ENSG00000258077	AC078923.1	12	75563202	75984015	420813	lncRNA	-2.33	7.93E-03	3.81E-02
ENSG00000285644	AC108448.3	11	30575308	3064707	7169	lncRNA-antisense	-2.33	1.55E-05	5.60E-04
ENSG00000242440	LINC02046	3	148279682	148401084	121402	lncRNA	-2.33	1.43E-04	2.50E-03
ENSG00000286241	AC080089.2	4	119686538	119693563	7025	lncRNA	-2.33	6.04E-04	6.60E-03
ENSG00000253968	AC016573.1	5	173383941	173451591	67650	lncRNA	-2.33	3.79E-04	4.84E-03
ENSG00000285786	AC074325.1	10	48246525	48248512	1987	lncRNA-antisense	-2.33	9.22E-04	8.81E-03
ENSG00000233508	AL021395.1	20	43189998	43202599	12601	lncRNA	-2.33	4.87E-05	1.20E-03
ENSG00000227210	AC079145.1	2	19990209	20004795	14586	lncRNA-antisense	-2.33	6.48E-04	6.94E-03
ENSG00000254290	AC124067.4	8	37597480	37599858	2378	lncRNA	-2.33	2.68E-05	7.92E-04
ENSG00000230807	AC095935.1	3	27486247	27486617	370	processed_pseudogene	-2.33	8.02E-03	3.84E-02
ENSG00000182334	OR5P3	11	7824818	7830840	6022	protein_coding	-2.33	5.19E-03	2.87E-02
ENSG00000248529	AC026746.1	5	61658474	61698432	39958	lncRNA-antisense	-2.33	7.20E-06	3.33E-04
ENSG00000169035	KLK7	19	50976468	50984099	7631	protein_coding	-2.33	2.95E-05	8.47E-04
ENSG00000260141	AC145350.2	16	33043609	33095431	51822	lncRNA	-2.33	3.43E-04	4.52E-03
ENSG00000261019	AC010132.4	7	42901272	42902639	1367	lncRNA	-2.33	2.48E-04	3.67E-03
ENSG00000258955	LINC00519	14	51304108	51331918	27810	lncRNA	-2.33	5.47E-03	2.98E-02
ENSG00000250444	CCT5P1	5	115512077	115513694	1617	processed_pseudogene	-2.33	3.37E-03	2.14E-02
ENSG00000187754	SSX7	X	52644061	52654900	10839	protein_coding	-2.33	1.41E-03	1.17E-02
ENSG00000253235	AC111149.1	8	73326991	73370601	43610	lncRNA	-2.33	1.27E-03	1.09E-02
ENSG00000259465	AHCYP7	15	50417385	50418692	1307	processed_pseudogene	-2.33	4.16E-03	2.47E-02
ENSG00000287692	AC053545.1	4	122700445	122708788	8343	lncRNA	-2.34	1.79E-04	2.94E-03
ENSG00000233021	AL669841.1	10	437561	441170	3609	lncRNA-antisense	-2.34	4.99E-03	2.80E-02
ENSG00000183273	CCDC60	12	119334712	119541040	206328	protein_coding	-2.34	1.78E-05	6.06E-04
ENSG00000270818	AL445675.1	1	242882066	242883475	1409	processed_pseudogene	-2.34	1.05E-02	4.61E-02
ENSG00000218027	AL512329.1	6	1513698	1515289	1591	processed_pseudogene	-2.34	1.07E-03	9.73E-03
ENSG00000287882	AC134508.2	3	72301616	72319429	17813	lncRNA	-2.34	4.40E-03	2.57E-02
ENSG00000229957	AL031687.1	20	46168404	46171237	2833	lncRNA	-2.34	4.00E-04	5.04E-03
ENSG00000231216	GS1-600G.3	X	13310652	13319933	9281	lncRNA-antisense	-2.34	3.79E-04	4.84E-03
ENSG00000204581	ACOXL-AS1	2	111098345	111116407	18062	lncRNA-antisense	-2.34	1.87E-07	2.78E-05
ENSG00000267741	UBE2L4	19	9774497	9774960	463	processed_pseudogene	-2.34	4.46E-03	2.59E-02
ENSG00000255352	PPP1R10P1	11	130789231	130791025	1794	processed_pseudogene	-2.34	2.07E-03	1.53E-02
ENSG00000251292	ERVH-1	4	23723262	23733579	10317	lncRNA	-2.34	7.93E-04	7.97E-03
ENSG00000234099	MTND4P1	1	93922574	93923454	1371	unprocessed_pseudogene	-2.34	6.11E-03	3.21E-02
ENSG00000241635	UGT1A1	2	233760270	233773000	13030	protein_coding	-2.34	1.28E-04	2.33E-03
ENSG00000282943	AC004784.1	19	42977463	43171515	194052	lncRNA-antisense	-2.34	9.13E-04	8.74E-03
ENSG00000216621	AL583835.2	6	149934527	149936782	2255	transcribed_processed_pseudogene	-2.34	2.62E-03	1.80E-02
ENSG00000196166	C8orf86	8	38510834	38560939	50105	lncRNA	-2.34	1.13E-04	2.14E-03
ENSG00000286059	AC005538.3	2	233977872	233980018	2146	lncRNA-antisense	-2.34	3.14E-03	2.04E-02
ENSG00000136155	SCEL	13	77535674	77645263	109589	protein_coding	-2.34	1.50E-05	5.47E-04
ENSG00000279914	AL008638.5	22	27040197	27041494	1297	lncRNA	-2.34	6.24E-04	6.75E-03

ENSG00000207780	MIR648	22	17980868	17980961	93	miRNA	-2.34	4.80E-03	2.73E-02
ENSG00000226367	ST7-AS2	7	117072072	117146480	74408	lncRNA-antisense	-2.34	3.62E-05	9.79E-04
ENSG00000167754	KLK5	19	50943303	50953093	9790	protein coding	-2.34	2.08E-04	3.25E-03
ENSG00000268416	AC010329.1	19	20746923	20755250	8327	lncRNA	-2.34	9.75E-06	4.10E-04
ENSG00000272720	AL022322.1	22	38090127	38091559	1432	lncRNA	-2.34	1.87E-06	1.35E-04
ENSG00000240023	AL133163.1	14	35388121	35389069	948	processed_pseudogene	-2.34	1.50E-04	2.58E-03
ENSG00000285869	LINC02858	16	19334011	19337804	3793	lncRNA	-2.34	6.51E-04	6.96E-03
ENSG00000204709	LINC01556	6	28943877	28944537	660	lncRNA	-2.34	2.17E-03	1.59E-02
ENSG00000279668	AC024610.2	17	33827699	34079100	251401	lncRNA	-2.34	1.94E-08	5.79E-06
ENSG00000276627	AL117372.1	20	60755001	60767279	12278	lncRNA	-2.35	3.11E-06	1.88E-04
ENSG00000105141	CASP14	19	15049480	15058293	8813	protein coding	-2.35	3.25E-04	4.37E-03
ENSG00000250406	AC109811.1	4	144851572	144874787	23215	lncRNA	-2.35	1.61E-03	1.29E-02
ENSG00000168509	HJV	1	146017468	146036746	19278	protein coding	-2.35	2.42E-04	3.61E-03
ENSG00000280002	AC078925.4	12	130988312	130990028	1716	TEC	-2.35	7.85E-04	7.93E-03
ENSG00000258935	AL096869.1	14	90567495	90569976	2481	lncRNA	-2.35	6.90E-03	3.48E-02
ENSG00000234225	AC244394.3	1	147001931	147003618	1687	lncRNA	-2.35	5.83E-03	3.11E-02
ENSG00000243981	AC064862.6	7	57628479	57645189	16710	transcribed processed_pseudogene	-2.35	4.31E-03	2.53E-02
ENSG00000287398	AC117481.1	3	75214510	75240770	28260	lncRNA	-2.35	5.39E-03	2.94E-02
ENSG00000285142	AC006927.5	12	7637396	7647086	9690	unprocessed_pseudogene	-2.35	6.73E-03	3.42E-02
ENSG00000267226	AC104971.1	18	58670009	58671877	1868	lncRNA-bidirectional promoter lncRNA	-2.35	3.66E-04	4.72E-03
ENSG00000236246	AC073135.1	3	198121479	198123232	1753	unprocessed_pseudogene	-2.35	5.68E-03	3.05E-02
ENSG00000234921	AC006450.2	9	124031624	124032524	900	lncRNA-antisense	-2.35	6.69E-03	3.41E-02
ENSG00000233570	LINC00690	3	16524771	16541903	17132	lncRNA	-2.35	2.79E-03	1.88E-02
ENSG00000153802	TMPPRS11D	4	67820876	67884002	63126	protein coding	-2.35	3.07E-04	4.22E-03
ENSG00000255474	GAU1	12	4700417	4720102	19685	lncRNA	-2.35	9.72E-04	9.13E-03
ENSG00000107295	SH3GL2	9	17579066	17797124	218058	protein coding	-2.35	1.27E-05	4.92E-04
ENSG00000176774	MAGEB18	X	26138343	26140736	2393	protein coding	-2.35	3.63E-03	2.25E-02
ENSG00000259388	AC025040.2	15	49794246	49796097	1851	processed_pseudogene	-2.35	2.07E-03	1.53E-02
ENSG00000278408	AC108861.1	15	71547280	71549832	2552	lncRNA-antisense	-2.35	5.76E-03	3.08E-02
ENSG00000204479	PRAMEF17	1	13389632	13392629	2997	protein coding	-2.35	2.32E-04	3.50E-03
ENSG00000134588	USP26	X	133024631	133097109	72478	protein coding	-2.35	5.54E-04	6.24E-03
ENSG00000072080	SPP2	2	234050679	234077134	26455	protein coding	-2.35	4.80E-03	2.73E-02
ENSG00000167755	KLK6	19	50958631	50969673	11042	protein coding	-2.35	2.77E-05	8.13E-04
ENSG00000228983	SLC47A1P1	17	19579943	19596058	16115	transcribed unprocessed_pseudogene	-2.35	3.04E-04	4.20E-03
ENSG00000226567	LINC00066	3	10759350	10764209	4859	lncRNA	-2.35	8.13E-05	1.71E-03
ENSG00000274328	AC007551.2	7	35847038	35847426	388	processed_pseudogene	-2.35	1.94E-03	1.46E-02
ENSG00000286630	AL133240.2	14	92294771	92297648	2877	lncRNA	-2.35	8.72E-03	4.06E-02
ENSG00000282863	AC012560.1	10	78179174	78675109	495935	lncRNA	-2.35	2.65E-03	1.82E-02
ENSG00000174914	OR9G1	11	56699095	56703884	4789	protein coding	-2.35	2.81E-04	3.99E-03
ENSG00000266976	AC079466.1	19	28606688	28615229	8541	lncRNA	-2.35	1.79E-05	6.08E-04
ENSG00000237937	LINC02702	11	116639422	116658295	18873	lncRNA	-2.36	9.60E-04	9.06E-03
ENSG00000279173	AC092451.2	12	25423600	25424942	1342	TEC	-2.36	6.98E-03	3.50E-02
ENSG00000203855	HS3DBP4	1	119564066	119572067	8001	unprocessed_pseudogene	-2.36	5.19E-03	2.87E-02
ENSG00000253408	AC083973.1	8	42233674	42271266	37592	lncRNA-antisense	-2.36	1.01E-05	4.15E-04
ENSG00000233951	RCC2P3	7	138122202	138124595	2393	processed_pseudogene	-2.36	2.30E-04	3.48E-03
ENSG00000287334	AC102941.2	15	29664477	29669482	5005	lncRNA	-2.36	5.60E-03	3.02E-02
ENSG00000236494	AC008080.4	7	33793167	33803910	10023	lncRNA	-2.36	4.18E-04	5.16E-03
ENSG00000243847	RN7SL610P	2	23996795	23997085	290	misc RNA	-2.36	2.33E-03	1.67E-02
ENSG00000255968	AC024145.1	12	26318953	26421462	102509	lncRNA-antisense	-2.36	2.11E-04	3.28E-03
ENSG00000225925	AL672138.1	X	68474710	68476874	2164	processed_pseudogene	-2.36	1.86E-03	1.42E-02
ENSG00000165197	VEGFD	X	15345596	15384413	38817	protein coding	-2.36	4.35E-04	5.29E-03
ENSG00000214855	APOC1P1	19	44926804	44931386	4582	transcribed unprocessed_pseudogene	-2.36	6.65E-03	3.40E-02
ENSG00000255146	AP004247.2	11	58044110	58060138	16028	lncRNA	-2.36	1.72E-03	1.34E-02
ENSG00000240480	RPL29P2	17	7754320	7754976	656	transcribed processed_pseudogene	-2.36	5.04E-03	2.81E-02
ENSG00000271519	AL590065.1	X	35864858	35869631	4773	processed_pseudogene	-2.36	1.15E-03	1.02E-02
ENSG00000277957	SENP3-EIF4A1	17	7563287	7578715	15428	protein coding	-2.36	2.23E-03	1.62E-02
ENSG00000223602	AC125634.1	9	64878790	64889063	10273	unprocessed_pseudogene	-2.36	9.24E-03	4.23E-02
ENSG00000228815	MARK2P13	7	36109024	36110872	1848	processed_pseudogene	-2.36	1.65E-03	1.31E-02
ENSG00000255128	HSPD1P3	8	7418991	7420546	1555	processed_pseudogene	-2.36	1.80E-03	1.39E-02
ENSG00000272736	AC005323.2	17	10383132	10537862	154730	lncRNA-antisense	-2.36	7.44E-03	3.66E-02
ENSG00000286093	AC02267.1	4	56291601	56299873	8272	lncRNA-antisense	-2.36	5.09E-03	2.83E-02
ENSG00000205444	KU-MEL-3	6	4610612	4611919	1307	lncRNA	-2.36	1.09E-03	9.83E-03
ENSG00000185385	OR7A17	19	14878203	14886132	7929	protein coding	-2.37	1.16E-04	2.18E-03
ENSG00000279781	AC079336.6	17	32518322	32518934	612	TEC	-2.37	8.87E-03	4.11E-02
ENSG00000285578	AL035696.4	6	184339	186899	2560	lncRNA	-2.37	2.06E-05	6.69E-04
ENSG00000274391	TPTE	21	10521553	10606140	84587	protein coding	-2.37	1.02E-03	9.40E-03
ENSG00000260062	GOLGA2P11	15	62253730	62270680	16950	transcribed unprocessed_pseudogene	-2.37	2.04E-07	2.98E-05
ENSG00000284720	AC117945.2	1	36768122	36769725	1603	lncRNA	-2.37	7.67E-04	7.80E-03
ENSG00000260951	AC005100.1	7	25358235	25432202	73967	lncRNA	-2.37	6.29E-03	3.27E-02
ENSG00000284693	LINC02606	1	9425094	9440564	15470	lncRNA	-2.37	3.22E-05	8.95E-04
ENSG00000287836	AC016168.4	17	76831684	76841099	9415	lncRNA	-2.37	5.01E-04	5.82E-03
ENSG00000260862	AC099506.1	16	82773319	82829638	56319	lncRNA-sense intronic	-2.37	2.62E-05	7.81E-04
ENSG00000231381	RNF2P1	9	6668999	6670008	1009	processed_pseudogene	-2.37	1.62E-03	1.29E-02
ENSG00000169340	PDLIT	16	20359175	20404737	45562	protein coding	-2.37	5.18E-06	2.65E-04
ENSG00000231772	Z93403.1	X	42252459	42699385	446926	lncRNA	-2.37	3.91E-03	2.36E-02
ENSG00000234933	CDC42P1	20	34402149	34402696	547	processed_pseudogene	-2.37	7.90E-03	3.80E-02
ENSG00000274825	AL023803.2	20	38955910	38956547	637	lncRNA	-2.37	1.04E-02	4.61E-02
ENSG00000236504	AC087499.5	17	20647287	20681799	34512	unprocessed_pseudogene	-2.37	2.73E-04	3.91E-03
ENSG00000259202	AC012568.1	15	67142734	67146939	4205	lncRNA-antisense	-2.37	1.72E-03	1.35E-02
ENSG00000166763	STRCP1	15	43699441	43718260	18819	transcribed unprocessed_pseudogene	-2.37	7.44E-06	3.40E-04
ENSG00000287422	AL442071.2	1	39226670	39238620	11950	lncRNA	-2.37	4.94E-04	5.77E-03
ENSG00000215005	HSPD1P7	21	28887280	28889722	1992	processed_pseudogene	-2.37	1.32E-03	1.12E-02
ENSG00000172023	REG1B	2	79085023	79088019	2996	protein coding	-2.38	4.62E-03	2.65E-02
ENSG00000280326	AC067931.2	8	140591684	140593201	1517	TEC	-2.38	4.28E-04	5.24E-03
ENSG00000231532	LINC01249	2	4628216	4656498	28282	lncRNA	-2.38	6.94E-04	7.27E-03
ENSG00000250007	AC087457.1	15	34755084	34813505	58421	lncRNA-antisense	-2.38	3.82E-06	2.14E-04
ENSG00000253805	AC245164.1	8	2033508	2035587	2079	lncRNA	-2.38	1.50E-03	1.23E-02
ENSG00000180068	OR3A4P	17	3309986	3311446	1460	transcribed unprocessed_pseudogene	-2.38	9.37E-04	8.91E-03
ENSG00000213943	KRT18P17	3	12787393	12788671	1278	processed_pseudogene	-2.38	9.60E-03	4.34E-02
ENSG00000229817	AL133412.1	9	114845594	114848585	2991	processed_pseudogene	-2.38	1.08E-03	9.77E-03

ENSG0000106809	OGN	9	92383268	92404696	21428	protein coding	-2.38	4.19E-05	1.08E-03
ENSG00000254098	IGKV2-26	2	89196096	89196829	733	IG V pseudogene	-2.38	1.03E-02	4.56E-02
ENSG00000286280	AC108063.2	4	16114233	16117479	3246	lncRNA	-2.38	6.07E-03	3.19E-02
ENSG00000284708	AL031731.1	1	11623558	11643416	19858	lncRNA-antisense	-2.38	1.23E-05	4.80E-04
ENSG00000249497	LINC02075	17	49457861	49461749	3888	lncRNA	-2.38	3.91E-03	2.36E-02
ENSG00000286573	AL136225.1	6	163956299	163960187	3888	lncRNA	-2.38	4.59E-03	2.64E-02
ENSG00000267589	AC011444.4	19	6072823	6073527	704	processed pseudogene	-2.38	7.65E-05	1.64E-03
ENSG00000231561	CEACAMP5	19	42654200	42669076	14876	unprocessed pseudogene	-2.38	4.27E-03	2.51E-02
ENSG00000287251	AP003062.2	11	134945118	134980574	35456	lncRNA	-2.38	1.30E-06	1.02E-04
ENSG00000275894	AL021578.1	20	45345115	45345823	708	lncRNA-sense intronic	-2.38	8.15E-04	8.14E-03
ENSG00000259140	AL049839.1	14	94674877	94675829	952	processed pseudogene	-2.38	3.24E-03	2.08E-02
ENSG00000271602	KRT8P49	11	4722740	4724171	1431	processed pseudogene	-2.38	4.35E-04	5.29E-03
ENSG00000262079	AC007638.1	17	55325757	55327791	2034	lncRNA	-2.38	3.16E-03	2.05E-02
ENSG00000236678	LINC00347	13	74552503	74565445	12942	lncRNA	-2.38	3.57E-03	2.22E-02
ENSG00000240268	MOXD2P	7	142240740	142247067	6327	transcribed unprocessed pseudogene	-2.39	2.21E-05	6.98E-04
ENSG00000261409	AL035425.3	X	108719949	108724944	4995	lncRNA-sense overlapping	-2.39	2.03E-03	1.51E-02
ENSG00000162493	PDPN	1	13583465	13617957	34492	protein coding	-2.39	2.43E-06	1.60E-04
ENSG00000262231	AC104770.1	17	6163893	6190541	26648	lncRNA	-2.39	4.61E-04	5.51E-03
ENSG00000254260	AC015468.3	8	20941428	20950175	8747	lncRNA	-2.39	7.28E-03	3.60E-02
ENSG00000261028	AC012322.1	16	64242608	64343909	101301	lncRNA	-2.39	7.24E-03	3.59E-02
ENSG00000286311	AL034550.3	20	32485149	32487019	1870	lncRNA	-2.39	3.96E-04	5.00E-03
ENSG00000234522	AC073587.1	10	120434983	120440376	5393	unprocessed pseudogene	-2.39	1.36E-03	1.15E-02
ENSG00000267777	LINC01791	19	31167457	31225143	57686	lncRNA	-2.39	5.08E-06	2.62E-04
ENSG00000288070	AC016902.1	11	112822806	112835124	12318	lncRNA	-2.39	5.55E-03	3.00E-02
ENSG00000286538	AC008798.2	19	29838532	29841818	3286	lncRNA	-2.39	1.10E-04	2.10E-03
ENSG00000261260	AC106736.1	16	71288775	71309963	21188	lncRNA	-2.39	2.98E-05	8.53E-04
ENSG00000235166	LINC01440	20	55408898	55684915	276017	lncRNA	-2.39	1.08E-04	2.07E-03
ENSG00000152954	NRSN1	6	24126186	24154900	28714	protein coding	-2.39	2.56E-05	7.70E-04
ENSG00000236939	BAALC-AS2	8	103132963	103141705	8512	lncRNA-antisense	-2.39	3.70E-03	2.28E-02
ENSG00000112936	C7	5	40909497	40984643	75146	protein coding	-2.39	5.63E-06	2.76E-04
ENSG00000254951	AC044810.2	11	7754393	7905955	151562	lncRNA-sense overlapping	-2.39	5.16E-05	1.25E-03
ENSG00000164188	RANBP3L	5	36246913	36302114	55201	protein coding	-2.39	8.19E-06	3.62E-04
ENSG00000175311	ANKS4B	16	21233699	21253850	20151	protein coding	-2.39	2.36E-07	3.28E-05
ENSG00000127318	IL22	12	68248242	68253604	5362	protein coding	-2.39	6.88E-04	7.23E-03
ENSG00000171360	KRT38	17	41436154	41440983	4829	protein coding	-2.40	4.82E-05	1.19E-03
ENSG00000143520	FLG2	1	152348735	152360006	11271	protein coding	-2.40	1.51E-07	2.34E-05
ENSG00000092009	CMA1	14	24505353	24508265	2912	protein coding	-2.40	2.60E-03	1.79E-02
ENSG00000197171	AL672167.1	6	29223973	29229263	68990	transcribed unprocessed pseudogene	-2.40	7.13E-05	1.57E-03
ENSG00000260750	AC092720.1	16	87595131	87600337	5206	lncRNA	-2.40	2.46E-05	7.52E-04
ENSG00000287501	AL163872.1	14	97662638	97688600	25962	lncRNA	-2.40	1.95E-03	1.47E-02
ENSG00000256694	AC026369.2	12	164664	166321	1657	lncRNA-antisense	-2.40	6.19E-04	6.72E-03
ENSG00000213770	FAM210CP	10	27349717	27350290	573	processed pseudogene	-2.40	1.69E-03	1.33E-02
ENSG00000236854	LINC00486	2	32927085	32946149	19064	lncRNA	-2.40	1.72E-03	1.34E-02
ENSG00000287207	AC096861.2	3	122515006	122518172	3166	lncRNA	-2.40	4.12E-03	2.45E-02
ENSG00000280809	LINC00836	10	25651712	25732935	81223	lncRNA	-2.40	6.77E-07	6.65E-05
ENSG00000213480	AC093816.1	4	121369433	121370345	913	processed pseudogene	-2.40	7.99E-03	3.83E-02
ENSG00000234983	AC010132.2	7	42918741	42920084	1343	processed pseudogene	-2.40	5.89E-04	6.50E-03
ENSG00000173389	IQCF1	3	51894876	51903353	8477	protein coding	-2.40	3.13E-03	2.04E-02
ENSG00000232260	BTF3L4P1	21	17518528	17518993	467	processed pseudogene	-2.40	8.94E-03	4.13E-02
ENSG00000267316	AC090409.2	18	61571342	61579456	8114	lncRNA	-2.40	8.50E-03	3.99E-02
ENSG00000286801	BX546033.1	22	43507824	43513727	5903	lncRNA	-2.40	2.73E-04	3.91E-03
ENSG00000212900	KRTAP3-2	17	40999193	40999906	713	protein coding	-2.40	2.76E-03	1.87E-02
ENSG00000227391	SALL1P1	X	49664844	49668680	3836	processed pseudogene	-2.40	6.61E-04	7.03E-03
ENSG00000279151	AL021920.1	1	16701546	16705594	4048	lncRNA	-2.40	3.66E-03	2.26E-02
ENSG00000255057	AP003041.1	11	130008586	130009765	1179	processed pseudogene	-2.40	2.09E-03	1.54E-02
ENSG00000197233	OR1J2	9	122510802	122511743	941	protein coding	-2.41	1.00E-03	9.31E-03
ENSG00000223419	AC006022.1	7	30742431	30742818	387	processed pseudogene	-2.41	2.35E-03	1.68E-02
ENSG00000267886	AC074135.1	19	23075201	23100361	25160	lncRNA	-2.41	2.74E-03	1.86E-02
ENSG00000283000	LINC02635	10	34969881	34975578	5697	lncRNA	-2.41	2.34E-04	3.52E-03
ENSG00000287280	AC009878.2	15	26403480	26477840	74360	lncRNA	-2.41	6.31E-03	3.28E-02
ENSG00000279391	AC116456.2	11	8075573	8077781	2208	TEC	-2.41	1.82E-03	1.40E-02
ENSG00000249199	AC026785.3	5	17367588	17375653	8065	lncRNA	-2.41	3.58E-03	2.23E-02
ENSG00000283554	LINC02341	13	42339188	42485956	146768	lncRNA	-2.41	2.35E-05	7.29E-04
ENSG00000215498	FAM230B	22	21167758	21192156	24398	lncRNA	-2.41	1.39E-08	4.54E-06
ENSG00000278409	CC14	17	35983288	35987004	3716	protein coding	-2.41	1.04E-03	9.55E-03
ENSG00000237532	AC012451.1	2	128580491	128581576	1085	lncRNA	-2.41	8.95E-03	4.13E-02
ENSG00000237428	ASH2LP2	22	22366210	22367770	1560	processed pseudogene	-2.41	3.37E-03	2.14E-02
ENSG00000100033	PRODH	22	18912777	18936553	23776	protein coding	-2.41	1.04E-02	4.60E-02
ENSG00000260505	AC096644.3	1	220401122	220404033	2911	lncRNA	-2.41	7.36E-04	7.57E-03
ENSG00000261103	AC009063.3	16	83687779	83707811	20032	lncRNA-antisense	-2.41	8.19E-05	1.72E-03
ENSG00000285775	AC109136.1	16	55045700	55049318	3618	lncRNA	-2.41	3.88E-04	4.93E-03
ENSG00000226506	AC007463.1	2	7886767	7899725	12958	lncRNA	-2.41	3.18E-03	2.05E-02
ENSG00000251191	LINC00589	8	29673922	29748109	74187	lncRNA	-2.41	8.03E-05	1.70E-03
ENSG00000237346	AL080313.2	6	14391094	14393929	2835	lncRNA	-2.42	1.29E-03	1.10E-02
ENSG00000221932	HEPN1	11	124919244	124920677	1433	protein coding	-2.42	1.87E-03	1.42E-02
ENSG00000260230	FRRS1L	9	109130293	109167249	36956	protein coding	-2.42	6.09E-10	5.02E-07
ENSG00000249022	AC093599.1	4	153034211	153091563	57352	lncRNA	-2.42	9.05E-04	8.70E-03
ENSG00000262292	AC007952.5	17	19160789	19162274	1485	lncRNA	-2.42	6.02E-04	6.60E-03
ENSG00000270474	IGHV3-29	14	106356145	106356591	446	IG V pseudogene	-2.42	2.34E-03	1.67E-02
ENSG00000253369	AC022034.3	8	53394110	53484067	89957	lncRNA	-2.42	9.35E-05	1.89E-03
ENSG00000234915	AL360091.3	1	212299495	212331713	32218	lncRNA-antisense	-2.42	1.16E-02	4.97E-02
ENSG00000285347	AL359555.4	20	38260175	38293892	33717	lncRNA-antisense	-2.42	3.66E-05	9.86E-04
ENSG00000198203	SULT1C2	2	108288639	108309915	21276	protein coding	-2.42	2.46E-07	3.36E-05
ENSG00000251419	AC108120.3	5	75831255	75832764	1509	processed pseudogene	-2.42	1.02E-03	1.05E-02
ENSG00000231235	CTNBL1P1	X	46418450	46420079	1629	processed pseudogene	-2.42	1.86E-03	1.42E-02
ENSG00000197748	CFAP43	10	104129888	104232364	102476	protein coding	-2.42	2.40E-07	3.30E-05
ENSG00000259281	LINGO1-AS2	15	77660052	77668074	8022	lncRNA-antisense	-2.42	1.42E-04	2.49E-03
ENSG00000279604	AC092723.2	16	86035627	86036419	792	TEC	-2.42	6.54E-03	3.36E-02
ENSG00000287857	AL592546.3	10	113865811	113869614	3803	lncRNA	-2.42	1.76E-03	1.37E-02
ENSG00000198650	TAT	16	71565660	71577092	11432	protein coding	-2.42	1.68E-07	2.56E-05

ENSG00000226949	OR6K5P	1	158742146	158743415	1269	unprocessed_pseudogene	-2.42	3.01E-03	1.98E-02
ENSG00000180016	OR1E1	17	3397104	3398100	1306	protein_coding	-2.42	2.22E-03	1.61E-02
ENSG00000143105	KCNA10	1	110517217	110519175	1958	protein_coding	-2.42	1.96E-04	3.12E-03
ENSG00000254659	LINC02715	11	109741625	109823993	82268	lncRNA	-2.43	8.90E-04	8.60E-03
ENSG00000145863	GABRA6	5	161547063	161702593	155530	protein_coding	-2.43	8.07E-04	8.08E-03
ENSG00000243729	OR5V1	6	29353749	29431967	78218	protein_coding	-2.43	2.44E-04	3.63E-03
ENSG00000186466	AQP7P1	9	63317067	63333091	16024	unprocessed_pseudogene	-2.43	4.21E-04	5.19E-03
ENSG00000253330	AC024451.2	8	47511034	47512141	1107	processed_pseudogene	-2.43	1.05E-02	4.62E-02
ENSG00000229607	AL137027.1	1	30810378	30815553	5175	lncRNA	-2.43	5.78E-03	3.09E-02
ENSG00000285584	AL158800.1	14	97180525	97217778	37253	lncRNA	-2.43	3.08E-04	4.22E-03
ENSG00000279006	AL022323.1	22	25048967	25051966	2999	lncRNA-antisense	-2.43	2.65E-06	1.69E-04
ENSG00000286266	AC104370.1	8	127578473	127638667	58394	lncRNA	-2.43	1.83E-05	6.17E-04
ENSG00000155918	RAET1L	6	150018334	150025532	7198	protein_coding	-2.43	2.38E-04	3.57E-03
ENSG00000257316	ASS1P14	12	32985838	32987070	1232	processed_pseudogene	-2.43	1.24E-03	1.07E-02
ENSG00000271676	AC104771.1	4	77112495	77113458	963	processed_pseudogene	-2.43	6.64E-03	3.39E-02
ENSG00000185264	TEX33	22	36991120	37007851	16731	protein_coding	-2.43	1.85E-03	1.42E-02
ENSG00000146678	JGFBP1	7	45888360	45893661	5300	protein_coding	-2.43	1.65E-04	2.77E-03
ENSG00000242267	SKINT1L	1	48096092	48182428	86336	transcribed_unprocessed_pseudogene	-2.43	3.00E-05	8.59E-04
ENSG00000235205	TATDN2P3	13	23243520	23247184	3664	processed_pseudogene	-2.43	8.85E-05	1.81E-03
ENSG00000226159	LINC01375	10	89915489	89957373	41884	lncRNA	-2.43	4.05E-03	2.41E-02
ENSG00000231707	PABPC1P1	4	39973444	39974338	894	processed_pseudogene	-2.43	1.37E-04	2.44E-03
ENSG00000248109	MARCOL	5	148221650	148243580	21930	protein_coding	-2.43	2.46E-03	1.72E-02
ENSG00000232455	LARS2-AS1	3	45483974	45509455	25571	lncRNA-antisense	-2.44	8.46E-03	3.98E-02
ENSG00000245975	AC090515.2	15	58768072	58770974	2902	lncRNA	-2.44	2.44E-04	3.63E-03
ENSG00000253384	AC124242.2	8	18088569	18089687	1118	processed_pseudogene	-2.44	6.76E-03	3.43E-02
ENSG00000154198	CYP4Z2P	1	46843095	46900437	57342	transcribed_unprocessed_pseudogene	-2.44	3.53E-04	4.60E-03
ENSG00000285680	AL355481.1	13	83877888	83895211	17323	lncRNA-antisense	-2.44	7.09E-03	3.54E-02
ENSG00000267052	AC005050.1	7	106569876	106598908	29032	lncRNA	-2.44	6.02E-04	6.60E-03
ENSG00000259370	AC103740.1	15	62827675	62884034	56359	lncRNA-antisense	-2.44	3.56E-08	8.82E-06
ENSG00000136696	IL36B	2	113022089	113052867	30778	protein_coding	-2.44	4.60E-03	2.64E-02
ENSG00000224287	MSL3P1	2	233865437	233868444	3007	transcribed_processed_pseudogene	-2.44	7.54E-04	7.70E-03
ENSG00000079098	SELE	1	169722640	169764705	42065	protein_coding	-2.44	7.33E-05	1.60E-03
ENSG00000259731	AC022929.1	15	38756552	38759413	2861	lncRNA	-2.44	2.33E-03	1.66E-02
ENSG00000261826	AC121333.1	3	140865075	140867783	2708	lncRNA	-2.44	5.82E-03	3.10E-02
ENSG00000287727	AL139423.2	1	10611222	10616452	4230	lncRNA	-2.44	5.52E-05	1.31E-03
ENSG00000231565	NEK2P2	22	15611759	15613096	1337	processed_pseudogene	-2.44	2.23E-03	1.62E-02
ENSG00000251435	C1GALT1P2	5	56192530	56193633	1103	processed_pseudogene	-2.44	5.83E-03	3.10E-02
ENSG00000288555	AF222685.1	21	15190406	15224394	33988	lncRNA	-2.44	2.01E-03	1.50E-02
ENSG00000265182	SRP72P1	18	49495147	49496896	1749	processed_pseudogene	-2.44	2.63E-03	1.81E-02
ENSG00000228741	AL445985.1	13	23979810	24035277	55217	lncRNA	-2.44	4.63E-03	2.66E-02
ENSG00000287730	AC097526.1	4	155442650	155448610	5960	lncRNA	-2.44	5.16E-03	2.86E-02
ENSG00000197595	ATP11AUN	13	112647044	112684497	37453	lncRNA	-2.44	6.74E-06	3.18E-04
ENSG00000239774	AC125618.1	3	180566718	180601935	35217	lncRNA	-2.44	5.56E-03	3.01E-02
ENSG00000259458	MGC15885	15	62637172	62645291	8119	lncRNA-antisense	-2.44	5.30E-05	1.27E-03
ENSG00000268754	LINC01081	16	86221420	86301303	79883	lncRNA	-2.44	2.09E-05	6.71E-04
ENSG00000242488	AF107885.1	14	75838157	75839114	957	transcribed_processed_pseudogene	-2.44	6.00E-03	3.17E-02
ENSG00000239254	AC009220.2	7	139172516	139174266	1750	processed_pseudogene	-2.44	1.35E-03	1.14E-02
ENSG00000241218	CSP2	3	107327830	107329197	1367	processed_pseudogene	-2.45	5.26E-03	2.89E-02
ENSG00000237595	LINC01275	20	50162765	50166216	3451	lncRNA	-2.45	1.60E-04	2.70E-03
ENSG00000162763	LRRCS2	1	165544000	165563957	19957	protein_coding	-2.45	6.26E-03	3.26E-02
ENSG00000225129	AL035250.1	20	59352195	59357774	5579	lncRNA	-2.45	1.08E-03	9.78E-03
ENSG00000229105	ASTN2-AS1	9	116504283	116562293	58010	lncRNA-antisense	-2.45	3.49E-04	4.56E-03
ENSG00000260909	AC012186.1	16	46649126	46649849	723	unprocessed_pseudogene	-2.45	6.46E-03	3.33E-02
ENSG00000159527	PGLYRP3	1	153297862	153310718	12856	protein_coding	-2.45	2.05E-04	3.23E-03
ENSG00000287224	AC099791.4	1	61588049	61589904	1855	lncRNA	-2.45	2.10E-04	3.27E-03
ENSG00000179774	ATOHT	10	88230595	88232113	1518	protein_coding	-2.45	2.90E-05	8.39E-04
ENSG00000137709	POU2F3	11	120236640	120319945	83305	protein_coding	-2.45	1.57E-08	4.95E-06
ENSG00000279085	AL022323.2	22	25009685	25015072	5387	lncRNA-antisense	-2.45	6.81E-07	6.66E-05
ENSG00000228876	AC010745.2	2	16224047	16333978	109931	lncRNA	-2.45	1.48E-07	2.33E-05
ENSG00000261820	DNM1P49	15	75791470	75792683	1213	unprocessed_pseudogene	-2.45	3.59E-03	2.23E-02
ENSG00000216560	LINC00955	4	35768689	35907111	13842	lncRNA	-2.45	2.18E-06	1.49E-04
ENSG00000183566	BPIFA4P	20	33193585	33210462	16877	transcribed_unprocessed_pseudogene	-2.46	6.55E-05	1.48E-03
ENSG00000233067	PTCHD1-AS	X	22191895	22235358	43463	lncRNA	-2.46	7.37E-04	7.58E-03
ENSG00000188525	AC010969.1	2	10001757	10006030	4273	lncRNA-antisense	-2.46	1.08E-04	2.07E-03
ENSG00000248884	AC010280.2	5	68430427	68434481	4054	lncRNA	-2.46	1.43E-03	1.18E-02
ENSG00000271093	IGLCOR22-2	22	32356676	32356988	312	IG C pseudogene	-2.46	2.84E-03	1.90E-02
ENSG00000255335	LINC02729	11	17695266	17696994	1728	lncRNA-antisense	-2.46	5.42E-04	6.13E-03
ENSG00000237560	LINC01497	17	69961568	69994845	33277	lncRNA	-2.46	6.96E-04	7.28E-03
ENSG00000223716	AL135785.1	9	38360427	38376430	16003	lncRNA	-2.46	2.69E-03	1.83E-02
ENSG00000241278	ENPP7P4	3	125848223	125903772	61149	transcribed_unprocessed_pseudogene	-2.46	3.78E-03	2.31E-02
ENSG00000253923	AP002981.1	8	102417979	102418953	974	processed_pseudogene	-2.46	3.38E-03	2.14E-02
ENSG00000285615	AL359508.1	10	129372194	129380753	8559	lncRNA	-2.46	1.22E-03	1.06E-02
ENSG00000197428	OR51D1	11	4637477	4643060	5583	protein_coding	-2.46	4.45E-05	1.12E-03
ENSG00000288002	AC091912.3	5	8207019	8366437	159418	lncRNA	-2.46	6.62E-04	7.03E-03
ENSG00000176840	MIR7-3HG	19	4769031	4785077	16046	lncRNA	-2.46	2.93E-04	4.09E-03
ENSG00000255542	AC090625.2	11	35419057	35421002	1945	lncRNA-antisense	-2.46	4.63E-03	2.65E-02
ENSG00000186329	TMEM212	3	171843349	171938715	95366	protein_coding	-2.46	5.98E-05	1.38E-03
ENSG00000287349	AC108477.2	4	183725830	183732570	6740	lncRNA	-2.46	4.02E-03	2.40E-02
ENSG00000226413	OR8T1P	12	48442030	48442947	917	unprocessed_pseudogene	-2.46	2.40E-03	1.70E-02
ENSG00000230525	LINC01799	2	66904436	66971462	67026	lncRNA	-2.46	1.60E-03	1.28E-02
ENSG00000286448	AP006222.2	1	266855	266855	1800	lncRNA	-2.46	1.02E-03	9.42E-03
ENSG00000131808	FSHB	11	30231014	30235261	4247	protein_coding	-2.46	2.87E-03	1.92E-02
ENSG00000226005	LINC02660	10	3911889	3935817	23928	lncRNA	-2.46	1.16E-03	1.02E-02
ENSG00000204754	LINC01951	5	174919082	174995513	76431	lncRNA	-2.47	2.22E-03	1.61E-02
ENSG00000186393	KRT26	17	40766238	40772162	5924	protein_coding	-2.47	4.80E-05	1.19E-03
ENSG00000239715	AC093627.2	7	174920	176013	1093	lncRNA	-2.47	5.04E-04	5.84E-03
ENSG00000214510	SPINK13	5	148268180	148286255	18075	protein_coding	-2.47	7.42E-03	3.65E-02
ENSG00000167355	OR51B5	11	5303444	5505652	202208	protein_coding	-2.47	7.91E-05	1.68E-03
ENSG00000288069	AF064866.1	21	40736318	40754888	18570	lncRNA	-2.47	1.83E-03	1.41E-02
ENSG00000247324	AC010547.1	16	71462278	71465941	3663	lncRNA-antisense	-2.47	6.39E-07	6.49E-05

ENSG00000225572	DOCK4-AS1	7	111808516	111821773	13257	lncRNA-antisense	-2.47	1.22E-03	1.06E-02
ENSG00000232196	MTRNR2L4	16	3370979	3372668	1689	protein coding	-2.47	4.02E-04	5.05E-03
ENSG00000231163	CSMD2-AS1	1	33868953	33893726	24773	lncRNA-antisense	-2.47	1.25E-06	9.97E-05
ENSG00000182545	RNASE10	14	20505537	20511169	5632	protein coding	-2.47	1.37E-03	1.15E-02
ENSG00000268473	AC092327.1	16	86434830	86435884	1054	processed pseudogene	-2.47	1.86E-04	3.02E-03
ENSG00000261095	AC136285.1	16	87212122	87226430	14308	lncRNA	-2.47	3.17E-04	4.30E-03
ENSG00000274764	PRAMEF27	1	13049476	13056575	7099	protein coding	-2.47	1.29E-03	1.10E-02
ENSG00000260126	AC136431.1	16	16499533	16664135	164602	lncRNA	-2.47	1.37E-03	1.15E-02
ENSG00000287724	AC096536.3	1	54874672	54883664	8992	lncRNA	-2.47	1.04E-04	2.02E-03
ENSG00000225652	KCNMA1-AS3	10	77350851	77376613	25762	lncRNA-antisense	-2.47	2.37E-04	3.56E-03
ENSG00000258931	AC100836.1	15	26050538	26052276	1738	lncRNA	-2.47	3.40E-03	2.15E-02
ENSG00000286518	AL354743.1	1	3367815	3373928	6113	lncRNA	-2.47	3.23E-07	4.04E-05
ENSG00000285855	Z72006.1	22	48403462	48415571	12109	lncRNA	-2.47	1.48E-07	2.33E-05
ENSG00000214533	KRT18P33	2	65666695	65667737	1042	processed pseudogene	-2.47	4.61E-04	5.51E-03
ENSG00000285613	AC099482.2	16	23167577	23186395	18818	lncRNA	-2.48	8.86E-04	8.58E-03
ENSG00000260586	AC064799.2	15	71332120	71352640	20340	lncRNA-sense intronic	-2.48	9.33E-04	8.89E-03
ENSG00000286501	AC018545.1	3	150339478	150343210	3732	lncRNA	-2.48	2.22E-04	3.40E-03
ENSG00000205129	C4orf47	4	185426249	185449826	23577	protein coding	-2.48	6.00E-05	1.39E-03
ENSG00000163793	DNAJC5G	2	27275433	27281499	6066	protein coding	-2.48	1.14E-04	2.15E-03
ENSG00000231505	AC108868.1	2	106521903	106538079	16176	lncRNA	-2.48	4.98E-03	2.79E-02
ENSG00000279525	AC002451.2	7	95542145	95544542	2397	TEC	-2.48	6.96E-04	7.27E-03
ENSG00000213211	KRT18P64	6	85287789	85289007	1218	processed pseudogene	-2.48	5.76E-03	3.08E-02
ENSG00000106178	CCL24	7	75810825	75823356	12531	protein coding	-2.48	6.72E-04	7.10E-03
ENSG00000163209	SPRR3	1	153001747	153003856	2109	protein coding	-2.48	3.10E-04	4.24E-03
ENSG00000287373	AL122014.1	11	30773913	30850559	76646	lncRNA	-2.49	3.81E-04	4.68E-03
ENSG00000251010	AC097372.1	4	146241806	146243669	1863	lncRNA-antisense	-2.49	1.20E-03	1.05E-02
ENSG00000286991	AC012157.3	12	115878748	115885867	7219	lncRNA	-2.49	9.36E-03	4.26E-02
ENSG00000228776	AC114492.1	1	42140635	42141391	756	processed pseudogene	-2.49	5.73E-03	3.07E-02
ENSG00000285541	AC005548.1	17	11197883	11242062	44179	lncRNA-antisense	-2.49	6.99E-04	7.30E-03
ENSG00000166396	SERPINB7	18	63752935	63805376	52441	protein coding	-2.49	5.82E-06	2.87E-04
ENSG00000205215	KRT17P7	17	20519312	20528687	9375	transcribed unprocessed pseudogene	-2.49	5.08E-06	2.62E-04
ENSG00000277351	AC013553.3	15	65049188	65049802	614	lncRNA-antisense	-2.49	3.58E-03	2.23E-02
ENSG00000254991	AC124276.1	11	12066929	12073014	6085	lncRNA	-2.49	5.89E-03	3.13E-02
ENSG00000261037	AC010266.2	5	6019029	6022283	3254	lncRNA	-2.49	4.30E-04	5.24E-03
ENSG00000279642	AL023973.1	22	44486295	44486914	619	TEC	-2.49	6.91E-04	7.24E-03
ENSG00000170983	LINC00208	8	11576257	11582187	6560	lncRNA	-2.49	5.92E-06	2.89E-04
ENSG00000254242	AC100849.2	8	19091703	19145449	53746	lncRNA	-2.49	9.50E-07	8.23E-05
ENSG00000287963	AC010476.2	5	155087430	155199252	111822	lncRNA	-2.49	2.75E-06	1.72E-04
ENSG00000279848	AL008638.4	22	27044001	27045315	1314	lncRNA	-2.49	2.76E-03	1.87E-02
ENSG00000279853	AC004453.2	7	44367140	44369292	2152	TEC	-2.49	1.04E-03	9.57E-03
ENSG00000284240	LINC02801	1	87212669	87264741	52072	lncRNA	-2.49	4.36E-06	2.35E-04
ENSG00000245688	AC008659.1	5	178438681	178443094	4413	lncRNA-sense intronic	-2.50	2.01E-03	1.50E-02
ENSG00000255843	AP000593.3	11	72302139	72302965	826	lncRNA-antisense	-2.50	8.01E-03	3.83E-02
ENSG00000255387	RDXP1	11	4210354	4212091	1737	processed pseudogene	-2.50	4.58E-03	2.64E-02
ENSG00000288028	AL049839.3	14	94599460	94607839	8379	lncRNA	-2.50	3.44E-03	2.16E-02
ENSG00000284632	AL354702.1	1	38754216	38815979	61763	lncRNA	-2.50	9.23E-05	1.87E-03
ENSG00000229161	TCPIP1P	7	42794906	42802494	7588	unprocessed pseudogene	-2.50	6.07E-04	6.63E-03
ENSG00000260838	AC022893.2	8	72947150	72950445	3295	lncRNA	-2.50	1.08E-03	9.75E-03
ENSG00000166596	CFAP52	17	9576627	9643447	66820	protein coding	-2.50	1.55E-06	1.18E-04
ENSG00000287661	AL391844.1	1	48552991	48558106	5115	lncRNA	-2.50	1.64E-03	1.30E-02
ENSG00000203280	KIAA1671-AS1	22	25102433	25112692	10259	lncRNA-antisense	-2.50	3.61E-06	2.06E-04
ENSG00000287526	AC016587.1	19	33997289	34066283	68994	lncRNA	-2.50	8.12E-04	8.12E-03
ENSG00000270314	AC007161.2	7	7735743	77368511	1108	processed pseudogene	-2.50	2.03E-03	1.51E-02
ENSG00000176635	HORMAD2	22	30080464	30177075	96611	protein coding	-2.50	1.39E-04	2.46E-03
ENSG00000260646	AL031705.1	16	1512979	1514675	1696	lncRNA	-2.50	5.10E-04	5.89E-03
ENSG00000227765	MYL12BP2	4	184299129	184299640	511	processed pseudogene	-2.50	7.92E-03	3.81E-02
ENSG00000278965	AC122713.2	5	180078357	180081691	3334	TEC	-2.50	2.63E-06	1.68E-04
ENSG00000170498	KISS1	1	204190341	204196491	6150	protein coding	-2.51	3.19E-03	2.06E-02
ENSG00000261465	AC099518.4	16	19062144	19067691	5547	lncRNA-antisense	-2.51	1.98E-04	3.14E-03
ENSG00000280350	LINC01726	20	21610787	21703585	92798	lncRNA	-2.51	1.50E-03	1.23E-02
ENSG00000254256	RPSAP71	5	171365595	171367693	2098	processed pseudogene	-2.51	3.85E-03	2.33E-02
ENSG00000285658	AC127035.1	11	46572948	46587808	14860	lncRNA-antisense	-2.51	4.59E-04	5.50E-03
ENSG00000265514	LINC01892	18	5081171	5098780	17609	lncRNA	-2.51	4.72E-04	5.60E-03
ENSG00000250822	LINC02111	5	17378906	17387310	8404	lncRNA	-2.51	3.27E-03	2.09E-02
ENSG00000286829	AC093798.1	2	24402995	24413292	10297	lncRNA	-2.51	1.62E-04	2.74E-03
ENSG00000287623	AC037193.1	3	9100803	9104078	3275	lncRNA	-2.51	1.64E-04	2.75E-03
ENSG00000236648	LINC02810	1	17717625	17749978	32353	lncRNA	-2.51	4.18E-06	2.28E-04
ENSG00000223530	AC012506.1	2	23330664	23332044	1380	lncRNA	-2.51	4.05E-03	2.41E-02
ENSG00000223528	AL359094.1	10	126988095	127026507	38412	lncRNA-antisense	-2.51	3.74E-08	9.08E-06
ENSG00000235366	LINC01055	13	45680184	45701184	21000	lncRNA	-2.51	2.31E-04	3.49E-03
ENSG00000286790	AC010494.1	16	19180748	19184060	3312	lncRNA	-2.51	3.62E-05	9.79E-04
ENSG00000279774	AL590483.3	1	244064330	244067909	3579	TEC	-2.51	3.49E-06	2.01E-04
ENSG00000259091	LINC00517	14	37896060	37902372	6312	lncRNA-antisense	-2.51	1.48E-03	1.21E-02
ENSG00000259637	DNM1P38	15	82531653	82534139	2486	unprocessed pseudogene	-2.51	4.14E-05	1.07E-03
ENSG00000205318	GCNT2P1	6	10633762	10634695	933	processed pseudogene	-2.51	1.39E-03	1.16E-02
ENSG00000253974	NRG1-IT1	8	32026210	32139495	113285	lncRNA-sense intronic	-2.51	1.47E-03	1.21E-02
ENSG00000230650	AC140479.2	2	110360608	110363737	3129	processed pseudogene	-2.51	3.83E-03	2.32E-02
ENSG00000267075	AC015818.8	17	20545371	20549952	4581	lncRNA	-2.51	1.98E-04	3.15E-03
ENSG00000279968	CCDC28A-AS1	6	138725211	138773652	48441	lncRNA	-2.51	1.26E-07	2.06E-05
ENSG00000269445	AC067969.2	19	38526954	38528555	1601	lncRNA-antisense	-2.51	8.47E-04	8.33E-03
ENSG00000250609	AC110753.1	4	154523487	154524807	1320	processed pseudogene	-2.51	4.76E-04	5.63E-03
ENSG00000276702	AC010809.3	15	33850538	33851178	640	lncRNA-antisense	-2.52	2.46E-03	1.72E-02
ENSG00000259964	THSD4-AS1	15	71147650	71189064	41414	lncRNA-antisense	-2.52	2.64E-06	1.69E-04
ENSG00000241388	HNF1A-AS1	12	120941728	120980965	39237	lncRNA	-2.52	1.12E-06	9.20E-05
ENSG00000229275	BX284656.1	22	48141542	48143229	1687	lncRNA	-2.52	3.08E-05	8.72E-04
ENSG00000152583	SPARCL1	4	87473335	87531061	57726	protein coding	-2.52	1.06E-04	2.04E-03
ENSG0000021461	CYP3A43	7	99828013	99866102	38089	protein coding	-2.52	4.81E-06	2.51E-04
ENSG00000255512	LINC02684	11	135061781	135075908	14127	lncRNA	-2.52	1.59E-05	5.65E-04
ENSG00000269526	ERVV-1	19	53013921	53016122	2201	protein coding	-2.52	2.01E-03	1.50E-02
ENSG00000205054	LINC01121	2	45164816	45323397	158581	lncRNA	-2.52	1.18E-09	7.59E-07

ENSG00000227742	CALR4P	1	51561866	51594897	33031	transcribed unitary pseudogene	-2.52	2.67E-06	1.69E-04
ENSG00000188280	FAM230G	22	20338805	20354372	15567	lncRNA-antisense	-2.52	9.86E-06	4.12E-04
ENSG00000257035	AC025252.2	12	127624153	127626267	2114	unprocessed pseudogene	-2.52	5.87E-03	3.12E-02
ENSG00000116218	NPHS2	1	179550539	179575952	25413	protein coding	-2.52	4.50E-04	5.43E-03
ENSG00000259245	LINC02853	15	35919892	36049537	129645	lncRNA	-2.52	6.43E-03	3.32E-02
ENSG00000214108	TPT1P5	5	31908361	31909186	825	processed pseudogene	-2.52	6.97E-03	3.50E-02
ENSG00000248659	AC023162.1	3	129632019	129632492	473	unprocessed pseudogene	-2.52	6.30E-03	3.27E-02
ENSG00000198414	TATDN2P1	X	44283916	44286246	2330	processed pseudogene	-2.52	3.81E-03	2.32E-02
ENSG00000279940	AC073862.3	12	130956384	130958031	1647	TEC	-2.52	9.12E-04	8.74E-03
ENSG00000227748	AL138916.1	6	146854983	146863460	8477	lncRNA	-2.52	3.31E-04	4.43E-03
ENSG00000198798	MAGEB3	X	30230436	30237492	7056	protein coding	-2.52	4.91E-04	5.74E-03
ENSG00000232624	LINC01517	10	28743506	28941910	198404	lncRNA	-2.52	3.82E-09	1.83E-06
ENSG00000253886	AC026688.1	5	154493576	154494743	1167	processed pseudogene	-2.53	2.83E-03	1.90E-02
ENSG00000162723	SLAMF9	1	159951492	159954237	2745	protein coding	-2.53	4.87E-04	5.72E-03
ENSG00000138068	SULT6B1	2	37167820	37196598	28778	protein coding	-2.53	3.10E-05	8.74E-04
ENSG00000104055	TGM5	15	43232590	43266928	34338	protein coding	-2.53	1.30E-06	1.02E-04
ENSG00000246523	FZD4-DT	11	86955616	87021909	66293	lncRNA	-2.53	3.45E-06	2.00E-04
ENSG00000267401	AC090621.1	18	60294136	60301317	7181	lncRNA	-2.53	4.69E-03	2.68E-02
ENSG00000265739	AC104984.3	17	30122429	30126118	3689	lncRNA-antisense	-2.53	3.05E-03	2.00E-02
ENSG00000269588	AC011500.2	19	39553034	39555356	2322	unprocessed pseudogene	-2.53	3.99E-03	2.39E-02
ENSG00000284612	AL591543.1	9	38650215	38662717	12502	lncRNA	-2.53	2.30E-04	3.48E-03
ENSG00000231606	AL357873.1	1	14221887	14304445	82558	lncRNA	-2.53	1.20E-06	9.69E-05
ENSG00000261336	EIF4BP5	16	47565090	47566884	1794	processed pseudogene	-2.53	2.01E-03	1.50E-02
ENSG00000229781	RRN3P4	2	142854095	142855998	1903	processed pseudogene	-2.53	6.00E-03	3.38E-02
ENSG00000276487	AC061709.2	12	128187225	128191495	4270	lncRNA	-2.53	2.23E-03	1.62E-02
ENSG00000280423	AL359852.1	6	2561947	2564143	2196	TEC	-2.54	1.63E-04	2.75E-03
ENSG00000227038	GTF2IIP7	7	76090431	76108779	18348	transcribed unprocessed pseudogene	-2.54	2.27E-04	3.45E-03
ENSG00000284652	BX323043.1	1	9421098	9422862	1764	lncRNA	-2.54	3.30E-03	2.10E-02
ENSG00000224559	LINC01087	2	131637025	13164915	12590	lncRNA	-2.54	9.23E-05	1.87E-03
ENSG00000267617	AC007795.1	19	28869507	28879176	9669	lncRNA	-2.54	7.43E-04	7.62E-03
ENSG00000230371	KARS1P2	13	113130416	113132054	1638	processed pseudogene	-2.54	3.32E-04	4.43E-03
ENSG00000238276	AL354863.1	10	118241468	118267710	26242	lncRNA	-2.54	6.93E-08	1.36E-05
ENSG00000279752	AC011389.2	5	169012148	169013146	998	TEC	-2.54	2.38E-03	1.69E-02
ENSG00000231674	LINC00410	13	90890954	90926597	35643	lncRNA	-2.54	2.90E-03	1.93E-02
ENSG00000237282	LINC00851	20	18379049	18381484	2435	lncRNA-antisense	-2.54	9.60E-04	9.06E-03
ENSG00000282882	AC027045.2	17	9764186	9805100	40914	lncRNA	-2.54	1.71E-04	2.85E-03
ENSG00000151033	LYZL2	10	30611779	30629762	17983	protein coding	-2.54	3.10E-04	4.24E-03
ENSG00000274340	AC032011.1	15	62387327	62388875	1548	lncRNA	-2.54	1.68E-04	2.68E-03
ENSG00000267732	AC006305.3	18	56137573	56150102	12529	lncRNA	-2.54	1.82E-03	1.40E-02
ENSG00000122145	TBX22	X	80014753	80031774	17021	protein coding	-2.54	4.06E-04	5.08E-03
ENSG00000287444	AC007610.5	16	50120064	50129904	9840	lncRNA	-2.54	1.99E-03	1.49E-02
ENSG00000224371	AL391361.2	6	16087288	160926204	53316	lncRNA	-2.54	2.87E-03	1.92E-02
ENSG00000214970	AC005323.1	17	10579040	10623036	43996	lncRNA-antisense	-2.54	8.55E-04	8.38E-03
ENSG00000204930	FAM221B	9	35816391	35828747	12356	protein coding	-2.54	6.47E-05	1.47E-03
ENSG00000227180	LRRCP2P1	2	174299324	174300956	1632	processed pseudogene	-2.55	3.28E-03	2.10E-02
ENSG00000280377	AC027176.3	15	89950760	89951345	585	TEC	-2.55	2.90E-03	1.93E-02
ENSG00000212722	KRTAP4-9	17	41105332	41106488	1156	protein coding	-2.55	1.84E-04	2.99E-03
ENSG00000273998	AL049794.1	20	16576068	16579615	3547	lncRNA	-2.55	1.31E-03	1.12E-02
ENSG00000254573	AP004550.1	11	134563396	134573056	9660	lncRNA	-2.55	5.17E-04	5.95E-03
ENSG00000234575	CTSLP8	9	87844154	87847314	3160	unprocessed pseudogene	-2.55	1.78E-04	2.92E-03
ENSG00000280312	Z83836.1	22	47259366	47261007	1641	TEC	-2.55	3.12E-04	4.25E-03
ENSG00000188984	AADACL3	1	12716110	12728760	12650	protein coding	-2.55	1.08E-06	9.04E-05
ENSG00000164616	FBXL21P	5	135930317	135951591	21274	transcribed unitary pseudogene	-2.55	1.39E-05	5.23E-04
ENSG00000286979	AC005234.2	2	70629657	70648761	19104	lncRNA	-2.55	1.66E-03	1.26E-02
ENSG00000224054	AL022163.1	X	44466691	44468955	2264	processed pseudogene	-2.55	4.35E-03	2.54E-02
ENSG00000229239	AL451000.1	1	23670294	23680259	9965	unprocessed pseudogene	-2.55	8.49E-04	8.33E-03
ENSG00000120563	LYZL1	10	29289061	29318328	29267	protein coding	-2.55	3.23E-04	4.34E-03
ENSG00000180259	PRNT	20	4731279	4740668	9389	lncRNA	-2.56	6.18E-04	6.72E-03
ENSG00000261502	AC040174.1	16	63056786	63129654	72868	lncRNA	-2.56	6.87E-05	1.53E-03
ENSG00000287560	AL731533.3	10	3042535	3047083	4548	lncRNA	-2.56	3.32E-04	4.43E-03
ENSG00000261261	AC026462.4	16	52622115	52677747	55632	lncRNA	-2.56	6.50E-05	1.47E-03
ENSG00000227518	MIR1302-9HG	9	27657	30891	3234	lncRNA-antisense	-2.56	8.71E-04	8.48E-03
ENSG00000179577	AP003471.1	8	104419512	104421500	1988	lncRNA-sense intronic	-2.56	1.48E-04	2.56E-03
ENSG00000213028	AL354983.1	1	22968899	229689904	905	processed pseudogene	-2.56	1.91E-03	1.45E-02
ENSG00000260866	AC138915.2	16	32388135	32436203	48068	unprocessed pseudogene	-2.56	3.61E-03	2.24E-02
ENSG00000226557	TRAF6P1	10	59136625	59138182	1557	processed pseudogene	-2.56	7.92E-04	7.97E-03
ENSG00000260311	AC138907.1	16	32663925	32666533	2608	lncRNA	-2.56	2.83E-04	4.00E-03
ENSG00000258873	DUXA	19	57154021	57167485	13464	protein coding	-2.56	2.20E-04	3.38E-03
ENSG00000228232	MYADM-AS1	19	53854581	53869107	14526	lncRNA-antisense	-2.56	5.18E-05	1.25E-03
ENSG00000233012	HDAC1P2	1	220625740	220628056	2316	transcribed processed pseudogene	-2.56	5.91E-04	6.52E-03
ENSG00000287960	AC008567.3	19	9507820	9514539	6719	lncRNA	-2.56	4.79E-05	1.19E-03
ENSG00000244537	KRTAP4-2	17	41177446	41178221	775	protein coding	-2.56	7.27E-04	7.52E-03
ENSG00000261514	LINC01976	17	43938363	43938959	596	lncRNA	-2.56	7.73E-04	7.84E-03
ENSG00000275989	AL442128.1	13	110945478	110971603	26125	transcribed unprocessed pseudogene	-2.56	5.85E-05	1.36E-03
ENSG00000138813	C4orf17	4	99511012	99542303	31291	protein coding	-2.57	7.25E-04	7.51E-03
ENSG00000259477	AC012653.1	15	57979716	57980646	930	processed pseudogene	-2.57	2.40E-03	1.70E-02
ENSG00000279579	LINC01666	21	8759077	8761335	2258	lncRNA	-2.57	1.72E-05	5.93E-04
ENSG00000183747	ACSM2A	16	20451461	20487669	36208	protein coding	-2.57	1.21E-07	1.99E-05
ENSG00000259423	AC113146.1	15	39167676	39180048	12372	lncRNA	-2.57	6.59E-03	3.38E-02
ENSG00000235494	AL590705.2	9	97222602	97235017	12415	lncRNA	-2.57	5.20E-04	5.97E-03
ENSG00000288024	AC005301.2	22	16725072	16747761	22689	lncRNA	-2.57	1.08E-03	9.77E-03
ENSG00000217791	ASS1P9	5	53859166	53860401	1235	processed pseudogene	-2.57	2.18E-03	1.59E-02
ENSG00000241984	RPL7AP2	14	39156742	39157852	1110	processed pseudogene	-2.57	2.57E-03	1.78E-02
ENSG00000258233	ARHGAP42P5	14	18623852	18626787	2935	processed pseudogene	-2.57	5.51E-04	6.22E-03
ENSG00000232596	LINC01646	1	4571481	4594016	22535	lncRNA	-2.57	1.80E-06	1.33E-04
ENSG00000224939	LINC00184	1	234629311	234634780	5469	lncRNA	-2.57	1.49E-03	1.22E-02
ENSG00000283304	LINC02183	16	54542808	54559100	16292	lncRNA	-2.57	1.08E-04	2.07E-03
ENSG00000284646	AL031291.1	1	11311734	11319093	7359	lncRNA	-2.57	9.84E-04	9.20E-03
ENSG00000171403	KRT9	17	41565836	41572059	6223	protein coding	-2.57	5.90E-05	1.37E-03
ENSG00000287272	AC007786.4	19	29268976	29298576	29600	lncRNA	-2.57	6.34E-08	1.30E-05

ENSG00000196109	ZNF676	19	22179089	22215801	36712	protein coding	-2.57	1.69E-06	1.26E-04
ENSG00000275774	HNRNPCL2	1	13115488	13116854	1366	protein coding	-2.57	4.65E-03	2.66E-02
ENSG00000262267	U95743.1	16	13728654	13779760	51106	lncRNA	-2.57	7.94E-05	1.69E-03
ENSG00000254902	ANO1-AS1	11	70187788	70188509	721	lncRNA-antisense	-2.58	1.20E-03	1.05E-02
ENSG00000183559	C10orf120	10	122697709	122699846	2137	protein coding	-2.58	5.17E-04	5.95E-03
ENSG00000251632	LINC02172	4	137545731	137603430	57699	lncRNA	-2.58	6.89E-03	3.48E-02
ENSG00000176855	KRT18P28	1	182959074	182960405	1331	processed pseudogene	-2.58	8.19E-04	8.16E-03
ENSG00000229988	HBBP1	11	5241105	5243537	2432	transcribed unprocessed pseudogene	-2.58	4.79E-04	5.66E-03
ENSG00000254334	AC021355.1	8	21297933	21309486	11553	lncRNA	-2.58	1.57E-03	1.27E-02
ENSG00000226792	C13orf42	13	51082119	51200252	118133	protein coding	-2.58	1.31E-08	4.36E-06
ENSG00000257634	AC079310.1	12	54682973	54687434	4461	lncRNA	-2.58	1.08E-03	9.77E-03
ENSG00000229145	ACTBP1	X	46288016	46289128	1112	processed pseudogene	-2.58	7.77E-05	1.66E-03
ENSG00000232028	AC007391.1	2	37325340	37326797	1457	lncRNA	-2.58	5.51E-03	2.99E-02
ENSG00000176922	OR51S1	11	4847489	4849238	1749	protein coding	-2.58	3.18E-03	2.05E-02
ENSG00000237336	AL445489.1	9	123491884	123493156	1272	lncRNA-antisense	-2.58	4.76E-04	5.63E-03
ENSG00000179546	HTR1D	1	23191895	23194729	2834	protein coding	-2.58	5.65E-06	2.81E-04
ENSG00000259518	LINC01583	15	82088569	82097694	9125	lncRNA	-2.58	2.53E-04	3.71E-03
ENSG00000235076	GAPDH52	13	21358373	21359314	941	processed pseudogene	-2.58	1.29E-03	1.10E-02
ENSG00000224781	EIF4A2P4	X	52832704	52833999	1195	processed pseudogene	-2.58	6.31E-04	6.81E-03
ENSG00000225676	AC002378.1	22	30182818	30207195	24377	lncRNA-antisense	-2.58	3.44E-03	2.17E-02
ENSG00000225869	AC008696.1	5	143752090	143752704	614	processed pseudogene	-2.58	1.74E-03	1.35E-02
ENSG00000276172	ELMO2P1	15	23083094	23121324	38230	transcribed unprocessed pseudogene	-2.59	3.15E-05	8.83E-04
ENSG00000286594	AL133493.2	21	45607386	45609194	1808	lncRNA	-2.59	5.61E-04	6.29E-03
ENSG00000183654	MARCFH11	5	16067139	16180762	113623	protein coding	-2.59	5.55E-04	6.24E-03
ENSG00000281961	AF087845.4	8	1377867	1380307	2440	lncRNA	-2.59	2.82E-04	4.00E-03
ENSG00000284726	AL109936.9	1	23297797	23302866	5069	lncRNA	-2.59	5.90E-03	3.13E-02
ENSG00000246774	COL25A1-DT	4	109303035	109316135	13100	lncRNA	-2.59	2.23E-03	1.62E-02
ENSG00000237337	ELAVL4-AS1	1	50174306	50175868	1562	lncRNA-antisense	-2.59	2.34E-03	1.67E-02
ENSG00000256847	CND2P1	11	63243085	63244004	919	processed pseudogene	-2.59	1.69E-03	1.33E-02
ENSG00000280219	AC093908.1	4	147487971	147496062	8091	TEC	-2.59	4.11E-06	2.25E-04
ENSG00000261020	AC132825.3	17	22420022	22424731	4709	lncRNA	-2.59	8.65E-06	3.76E-04
ENSG00000188643	S100A16	1	153606886	153613145	6259	protein coding	-2.59	3.33E-05	9.18E-04
ENSG00000286992	AP001360.3	11	119976111	120009588	33477	lncRNA	-2.59	6.23E-04	6.74E-03
ENSG00000286527	AL161665.2	14	32200433	32201736	1303	lncRNA	-2.59	4.37E-04	5.31E-03
ENSG00000268564	AC003956.1	19	15124160	15126174	2014	lncRNA-antisense	-2.59	7.04E-04	7.34E-03
ENSG00000286403	AC010378.1	5	139503242	139511374	8132	lncRNA	-2.59	2.33E-04	3.51E-03
ENSG00000227158	AC073621.1	17	17422681	17423074	1023	processed pseudogene	-2.59	4.51E-04	5.44E-03
ENSG00000238040	SALL4P2	X	129871309	129877567	6258	processed pseudogene	-2.59	1.76E-04	2.91E-03
ENSG00000183378	OVCH2	11	7689437	7706241	16984	protein coding	-2.60	2.68E-05	7.92E-04
ENSG00000227091	SLC6A17-AS1	1	110165948	110172489	6541	lncRNA-antisense	-2.60	1.64E-05	5.73E-04
ENSG00000267273	AC008567.2	19	9498678	9510079	11401	lncRNA	-2.60	3.92E-03	2.36E-02
ENSG00000256146	AC006206.1	12	5315961	5319347	3386	lncRNA	-2.60	7.08E-07	6.82E-05
ENSG00000280113	AL357140.3	1	9826289	9828271	1982	TEC	-2.60	4.29E-04	5.24E-03
ENSG00000251219	LINC01217	4	100778582	100791426	12844	lncRNA-sense intronic	-2.60	1.69E-04	2.82E-03
ENSG00000231171	LINC01098	4	177728757	178028971	300214	lncRNA	-2.60	1.09E-03	9.80E-03
ENSG00000257510	LINC02402	12	42615221	42646547	31326	lncRNA	-2.60	3.94E-04	4.99E-03
ENSG00000273777	CEACAM20	19	44501677	44529788	28111	protein coding	-2.60	7.15E-08	1.38E-05
ENSG00000230010	AL049646.1	20	18289343	18359300	6957	lncRNA	-2.60	1.85E-07	2.77E-05
ENSG00000249717	PARM1-AS1	4	74955974	74970362	14388	lncRNA-antisense	-2.60	3.20E-05	8.92E-04
ENSG00000230937	MIR205HG	1	209428817	209432838	4021	lncRNA	-2.60	3.47E-06	2.01E-04
ENSG00000187686	KRT18P59	11	125113161	125126781	13620	transcribed processed pseudogene	-2.60	5.18E-07	5.47E-05
ENSG00000254444	AC022762.1	11	6108135	6185576	77441	lncRNA-sense overlapping	-2.60	2.31E-04	3.49E-03
ENSG00000265000	MARCFH10-DT	17	62808500	62836371	27871	lncRNA	-2.60	4.83E-04	5.69E-03
ENSG00000234423	LINC01250	2	2895048	3126026	230978	lncRNA	-2.60	2.71E-07	3.57E-05
ENSG00000259008	AL355834.1	14	57355446	57359410	3964	lncRNA	-2.61	1.35E-05	5.12E-04
ENSG00000225255	PSLNR	22	15746630	15778297	31667	lncRNA	-2.61	1.66E-03	1.31E-02
ENSG00000249419	AC023136.1	4	162022733	162047567	24834	lncRNA-antisense	-2.61	8.69E-03	4.05E-02
ENSG00000136698	CFC1	2	130592165	130599575	7410	protein coding	-2.61	3.33E-04	4.44E-03
ENSG00000287268	AL050350.1	6	110341973	110354563	12590	lncRNA	-2.61	8.06E-08	1.48E-05
ENSG00000253298	LINC01845	5	159448556	159466291	17735	lncRNA	-2.61	2.07E-05	6.70E-04
ENSG00000260679	AP007216.2	11	69921638	69926813	5175	lncRNA	-2.61	1.67E-03	1.32E-02
ENSG00000287829	AC002542.6	7	117091678	117097262	5584	lncRNA	-2.61	2.89E-03	1.93E-02
ENSG00000172551	MUCL1	12	54830518	54896008	65490	protein coding	-2.61	1.54E-05	5.56E-04
ENSG00000259221	AC023905.1	15	47359430	47396732	37302	lncRNA-antisense	-2.61	1.16E-03	1.03E-02
ENSG00000231382	NBPF21P	3	36616006	36637457	21451	unprocessed pseudogene	-2.61	2.80E-04	3.98E-03
ENSG00000186160	CYP4Z1	1	47067231	47118318	51087	protein coding	-2.61	1.49E-05	5.47E-04
ENSG00000277010	AC120498.10	16	1223639	1224143	504	lncRNA-antisense	-2.62	1.05E-03	9.61E-03
ENSG0000069122	ADGRF5	6	46852522	46954943	102421	protein coding	-2.62	3.55E-09	1.77E-06
ENSG00000274178	PRAMEF28P	1	13029339	13032130	2791	unprocessed pseudogene	-2.62	1.80E-03	1.39E-02
ENSG00000279924	AL356585.4	13	18174010	18178465	4455	unprocessed pseudogene	-2.62	1.45E-03	1.20E-02
ENSG00000285666	AC006972.1	7	76818377	76903041	84664	lncRNA	-2.62	5.53E-03	3.00E-02
ENSG00000226206	BX470209.1	9	89799695	89821753	22058	lncRNA	-2.62	7.93E-04	7.97E-03
ENSG00000243130	PSG11	19	43007656	43026474	18818	protein coding	-2.62	1.09E-05	4.40E-04
ENSG00000271232	CARS1P1	15	68749501	68750691	1190	processed pseudogene	-2.62	1.64E-03	1.30E-02
ENSG00000248100	AC087257.1	12	27547050	27552773	5723	lncRNA	-2.62	3.19E-05	8.91E-04
ENSG00000166787	SAAP3	11	18112472	18116132	3660	transcribed unprocessed pseudogene	-2.62	1.42E-03	1.18E-02
ENSG00000232894	MRPS31P2	13	19552571	19570288	17717	unprocessed pseudogene	-2.62	2.72E-03	1.85E-02
ENSG00000286208	AC093838.1	2	131556007	131568599	13592	lncRNA	-2.62	1.05E-05	4.29E-04
ENSG00000285785	AC003950.1	17	57196081	57213300	17219	lncRNA	-2.62	2.63E-03	1.81E-02
ENSG00000275763	ZNF516-DT	18	76495521	76498088	2567	lncRNA	-2.62	1.47E-05	5.43E-04
ENSG00000160062	ZBTB8A	1	32539427	32605941	66514	protein coding	-2.63	4.36E-09	2.01E-06
ENSG00000224718	LINC01657	1	175877343	175880468	3125	lncRNA	-2.63	5.09E-05	1.24E-03
ENSG00000170369	CST2	20	23823769	23826729	2960	protein coding	-2.63	7.06E-05	1.56E-03
ENSG00000279791	AC018892.3	2	97094935	97097433	2498	TEC	-2.63	1.54E-06	1.17E-04
ENSG00000214992	AKAP17BP	X	119249346	119257667	8321	unprocessed pseudogene	-2.63	2.68E-03	1.83E-02
ENSG00000264301	LINC01444	18	14969001	14970468	1467	lncRNA	-2.63	2.94E-03	1.95E-02
ENSG00000280693	SH3PXD2A-AS1	10	103745966	103755423	9457	lncRNA-antisense	-2.63	1.35E-08	4.46E-06
ENSG00000283072	AL158175.1	20	22684958	22746991	62033	lncRNA	-2.63	1.69E-06	1.26E-04
ENSG00000260100	AL512604.3	9	37078813	37079776	963	lncRNA	-2.63	1.47E-03	1.21E-02
ENSG00000273877	AC236972.3	X	153225649	153230357	4708	lncRNA	-2.63	2.22E-04	3.41E-03

ENSG00000223587	LINC01986	3	11745	24849	13104	lncRNA	-2.63	5.30E-05	1.27E-03
ENSG00000214614	AC142086.1	16	32882586	32888874	6288	lncRNA	-2.63	1.10E-03	9.88E-03
ENSG00000166535	AZML1	12	8822621	8887001	64380	protein coding	-2.63	4.16E-10	3.94E-07
ENSG00000286052	AL109955.1	20	57442742	57458298	15556	lncRNA	-2.63	4.15E-05	1.07E-03
ENSG00000287741	AC009434.1	15	70556521	70562722	6201	lncRNA	-2.64	2.32E-04	3.50E-03
ENSG00000258100	LINC02823	12	91327045	91368607	41562	lncRNA	-2.64	1.10E-04	2.10E-03
ENSG00000258942	AL358332.1	14	51344914	51385603	40689	lncRNA	-2.64	1.03E-03	9.46E-03
ENSG00000263765	AC090371.2	18	32833454	32938316	104862	lncRNA-antisense	-2.64	4.54E-03	2.62E-02
ENSG00000163705	FANCD2OS	3	10081317	10108255	26938	protein coding	-2.64	2.78E-06	1.73E-04
ENSG00000238266	LINC00707	10	6779549	6879450	9901	lncRNA	-2.64	2.76E-09	1.43E-06
ENSG00000165120	SSMEM1	7	130206344	130216844	10500	protein coding	-2.64	1.86E-04	3.02E-03
ENSG00000229443	LINC00433	13	88494789	88607814	113025	lncRNA	-2.64	3.73E-03	2.29E-02
ENSG00000237557	YWHABP1	9	38643042	38643768	726	processed_pseudogene	-2.64	3.08E-03	2.01E-02
ENSG00000165076	PRSS37	7	141836300	141841487	5187	protein coding	-2.64	7.21E-06	3.33E-04
ENSG00000259093	AL137191.1	14	63122888	63178190	55302	lncRNA	-2.64	8.17E-04	8.14E-03
ENSG00000250258	AC008496.2	5	79774348	79816190	41842	lncRNA-antisense	-2.65	1.82E-03	1.40E-02
ENSG00000237899	AL031289.1	1	40669089	40687588	18499	lncRNA	-2.65	1.20E-03	1.05E-02
ENSG00000259043	BRD7P1	14	23749236	23751150	1914	processed_pseudogene	-2.65	1.92E-03	1.45E-02
ENSG00000237402	CAMTA1-IT1	1	7368942	7370270	1328	lncRNA-sense intronic	-2.65	1.97E-04	3.13E-03
ENSG00000282759	AC026950.2	8	891251	893112	1861	lncRNA	-2.65	4.72E-04	5.60E-03
ENSG00000286146	FP236383.9	21	8420675	8421003	328	TEC	-2.65	2.67E-05	7.92E-04
ENSG00000286818	AC008496.3	5	79840797	79845239	4442	lncRNA	-2.65	4.24E-06	2.30E-04
ENSG00000204429	AL451142.1	9	88180673	88181447	774	processed_pseudogene	-2.65	2.79E-03	1.88E-02
ENSG00000237278	RLIMP2	1	113125321	113126883	1562	processed_pseudogene	-2.65	4.49E-03	2.60E-02
ENSG00000091138	SLC26A3	7	107765467	107803225	37758	protein coding	-2.65	1.33E-06	1.03E-04
ENSG00000180834	MADP1	3	183815922	183825594	9672	protein coding	-2.65	8.19E-05	1.72E-03
ENSG00000229380	PRKAR1B-AS2	7	561958	565619	3661	lncRNA-antisense	-2.65	4.84E-04	5.70E-03
ENSG00000213424	KRT222	17	40654665	40665811	10516	protein coding	-2.65	6.58E-04	7.01E-03
ENSG00000234626	AL021937.3	22	32327064	32343105	16041	lncRNA-antisense	-2.66	2.04E-04	3.22E-03
ENSG00000263050	AC090617.5	17	2043475	2044968	1493	lncRNA	-2.66	7.23E-04	7.50E-03
ENSG00000123496	IL13RA2	X	115003975	115019977	16002	protein coding	-2.66	8.93E-04	8.61E-03
ENSG00000275293	Metazoa SRP	22	21555138	21555457	319	misc RNA	-2.66	2.79E-03	1.88E-02
ENSG00000253172	AC008378.1	5	173144162	173145039	877	lncRNA-antisense	-2.66	5.85E-04	6.48E-03
ENSG00000286414	AL390791.1	9	88735041	88803716	68675	lncRNA	-2.66	1.96E-05	6.46E-04
ENSG00000237931	CLIC4P3	X	41076999	41077750	751	processed_pseudogene	-2.66	1.44E-03	1.19E-02
ENSG00000263232	ATP5F1A3	16	72005037	72006543	1506	processed_pseudogene	-2.66	5.13E-05	1.24E-03
ENSG00000204671	IL3	12	122172029	122174221	2192	protein coding	-2.66	5.04E-04	5.84E-03
ENSG00000235875	ARHGEF7-AS2	13	111113812	111115678	1866	lncRNA-antisense	-2.66	1.68E-03	1.32E-02
ENSG00000226625	RBM17P1	9	39154075	39155479	4204	processed_pseudogene	-2.66	5.73E-04	6.39E-03
ENSG00000261195	AC027130.1	16	19761172	19766099	4927	lncRNA-antisense	-2.66	7.56E-04	7.71E-03
ENSG00000287381	AC012433.2	18	50647315	50651212	3897	lncRNA	-2.66	3.12E-04	4.28E-03
ENSG00000273388	AC005291.2	17	10291820	10317926	26106	lncRNA-antisense	-2.66	4.01E-03	2.40E-02
ENSG00000176754	LINC00303	1	204032447	204041265	8818	lncRNA	-2.66	3.81E-06	2.14E-04
ENSG00000260459	FTLP14	16	68822587	68823070	483	processed_pseudogene	-2.67	1.62E-04	2.73E-03
ENSG00000244921	MTCYBP18	5	134923303	134924049	746	processed_pseudogene	-2.67	4.90E-04	5.74E-03
ENSG00000231298	MANCR	10	4650158	4678185	28027	lncRNA	-2.67	3.20E-05	8.91E-04
ENSG00000215227	NUTF2P5	10	13870797	13871175	378	processed_pseudogene	-2.67	5.01E-03	2.80E-02
ENSG00000102021	LUZP4	X	115289715	115307563	17848	protein coding	-2.67	2.70E-04	3.88E-03
ENSG00000257848	AC074029.1	12	48171590	48173353	1763	processed_pseudogene	-2.67	6.53E-04	6.98E-03
ENSG00000287271	AC011455.8	19	38975161	39014527	39366	lncRNA	-2.67	5.14E-05	1.24E-03
ENSG00000216663	AL365214.1	6	112325753	112326749	996	processed_pseudogene	-2.67	6.15E-03	3.22E-02
ENSG00000256377	AC009509.1	12	27696388	27710803	14415	lncRNA-antisense	-2.67	2.54E-06	1.65E-04
ENSG00000269037	LINC01838	19	34905315	34908188	2873	lncRNA	-2.67	5.18E-05	1.25E-03
ENSG00000204588	LINC01123	2	109987063	109996140	9077	lncRNA	-2.67	1.97E-03	1.48E-02
ENSG00000287082	AP001042.3	21	38857539	38858861	1322	lncRNA	-2.67	1.18E-03	1.03E-02
ENSG00000261524	ABCB10P3	15	28402868	28405033	2165	processed_pseudogene	-2.67	6.65E-04	7.05E-03
ENSG00000266014	AC103808.4	18	76232927	76252044	19117	lncRNA	-2.67	1.37E-05	5.18E-04
ENSG00000249465	RBMPX4	4	109346326	109347459	1133	processed_pseudogene	-2.67	2.28E-03	1.64E-02
ENSG00000174156	GSTA3	6	52896639	52909698	13059	protein coding	-2.67	2.58E-04	3.76E-03
ENSG00000154143	PANX3	11	124611428	124620356	8928	protein coding	-2.67	1.47E-04	2.54E-03
ENSG00000258783	KRT18P6	14	35511825	35513089	1264	processed_pseudogene	-2.68	8.38E-04	8.28E-03
ENSG00000135355	GJA10	6	89894469	89921760	27291	protein coding	-2.68	2.22E-04	3.40E-03
ENSG00000248684	BIN2P2	5	75910565	75911867	1302	processed_pseudogene	-2.68	2.58E-04	3.77E-03
ENSG00000231649	SPATA31B1P	9	82057647	82063682	6035	unprocessed_pseudogene	-2.68	1.30E-06	1.02E-04
ENSG00000140093	SERPINA10	14	94280460	94293268	12808	protein coding	-2.68	1.57E-08	4.95E-06
ENSG00000236495	AL158168.1	10	14652689	14661691	9002	lncRNA-antisense	-2.68	1.67E-04	2.79E-03
ENSG00000251205	AC016598.2	5	143531331	143598434	67103	lncRNA	-2.68	1.68E-05	5.81E-04
ENSG00000187151	ANGPTL5	11	101890674	101916522	25848	protein coding	-2.68	1.64E-03	1.30E-02
ENSG00000229160	AC009229.2	2	38132637	38138946	6309	lncRNA	-2.68	1.33E-03	1.13E-02
ENSG00000267259	ERVE-1	17	28232590	28235281	2691	lncRNA	-2.68	3.05E-06	1.84E-04
ENSG00000166292	TMEM100	17	55719627	55732121	12494	protein coding	-2.68	6.90E-05	1.54E-03
ENSG00000174572	RPL10P2	6	27211244	27211913	669	processed_pseudogene	-2.68	2.52E-03	1.75E-02
ENSG00000228307	OR2S1P	9	35962195	36014623	52428	transcribed_unprocessed_pseudogene	-2.68	2.29E-04	3.48E-03
ENSG00000203870	SMIM9	X	154823348	154834662	11314	protein coding	-2.69	2.47E-04	3.65E-03
ENSG00000226770	AC000124.1	7	127476883	127485804	8921	lncRNA	-2.69	7.25E-03	3.60E-02
ENSG00000262979	AC124319.1	17	80315651	80316633	982	lncRNA-sense intronic	-2.69	1.21E-06	9.76E-05
ENSG00000261156	LINC01989	17	34169372	34195937	26565	lncRNA	-2.69	1.22E-04	2.26E-03
ENSG00000152595	MEPE	4	87821411	87846817	25406	protein coding	-2.69	7.78E-04	7.87E-03
ENSG00000227972	THAP12P3	10	52411135	52413492	2357	processed_pseudogene	-2.69	5.75E-05	1.35E-03
ENSG00000229532	AC105443.1	7	132086266	132087992	1726	processed_pseudogene	-2.69	1.23E-03	1.07E-02
ENSG00000261426	AC144833.1	15	27362310	27366398	4088	lncRNA-sense intronic	-2.69	3.56E-05	9.68E-04
ENSG00000258516	AL133167.1	14	95828763	95866486	37723	lncRNA	-2.69	1.09E-03	9.82E-03
ENSG00000286437	AF111169.4	14	76790267	76793807	3540	lncRNA	-2.70	7.35E-04	7.56E-03
ENSG00000233656	AL445430.1	6	11417207	11481324	64117	lncRNA	-2.70	4.09E-04	5.11E-03
ENSG00000271149	AC011467.5	19	22595479	22596163	684	unprocessed_pseudogene	-2.70	6.49E-03	3.34E-02
ENSG00000282968	HGF1P10	20	29430723	29432913	2190	processed_pseudogene	-2.70	3.27E-04	4.39E-03
ENSG00000198857	HSD3BP5	1	119601340	119609250	7910	transcribed_unprocessed_pseudogene	-2.70	3.74E-03	2.29E-02
ENSG00000260185	AC009097.1	16	71655027	71664212	9185	lncRNA-antisense	-2.70	1.47E-03	1.21E-02
ENSG00000198125	MB	22	35606764	35637951	31187	protein coding	-2.70	9.42E-10	6.68E-07
ENSG00000198759	EGFL6	X	13569601	13633575	63974	protein coding	-2.70	1.06E-08	3.87E-06

ENSG00000182652	OR4Q3	14	19743571	19749469	5898	protein coding	-2.70	1.13E-04	2.14E-03
ENSG00000251011	TMEM108-AS1	3	133245603	133257207	11604	lncRNA-antisense	-2.70	1.00E-03	9.33E-03
ENSG00000215009	ACSM4	12	7304284	7328724	24440	protein coding	-2.70	2.20E-06	1.50E-04
ENSG00000170820	FSHR	2	48962157	49154527	192370	protein coding	-2.70	1.64E-05	5.73E-04
ENSG00000196754	S100A2	1	153561108	153567890	6782	protein coding	-2.70	2.75E-08	7.61E-06
ENSG00000256915	AC090023.2	12	65622273	65663299	41026	lncRNA	-2.70	5.78E-04	6.42E-03
ENSG00000228539	AL157413.1	20	24491472	24502345	10873	lncRNA-antisense	-2.71	2.14E-05	6.82E-04
ENSG00000287302	AL133477.2	9	96419722	96421129	1407	lncRNA	-2.71	1.46E-03	1.20E-02
ENSG00000269124	AC007193.2	19	46320197	46340004	19807	lncRNA-antisense	-2.71	9.63E-05	1.93E-03
ENSG00000166959	MSA48	11	60699585	60715807	16222	protein coding	-2.71	3.17E-07	4.00E-05
ENSG00000179059	ZFP42	4	187995771	188005046	9275	protein coding	-2.71	1.73E-04	2.87E-03
ENSG00000269228	RPS27AP19	19	7665717	7666476	759	processed pseudogene	-2.71	4.53E-03	2.62E-02
ENSG00000204941	PSG5	19	43166256	43186536	20280	protein coding	-2.71	1.86E-07	2.77E-05
ENSG00000286387	AC007432.1	17	71678899	71743468	64569	lncRNA	-2.71	6.63E-04	7.04E-03
ENSG00000231553	RNMTL1P1	10	21394033	21394592	559	processed pseudogene	-2.71	2.13E-03	1.57E-02
ENSG00000239702	RN7SL507P	17	44290856	44291151	295	misc RNA	-2.71	3.75E-04	4.80E-03
ENSG00000214255	RPS2P6	18	70430231	70431125	894	processed pseudogene	-2.71	1.44E-04	2.51E-03
ENSG00000270547	LINC01235	9	13406380	13488125	81745	lncRNA	-2.71	2.11E-05	6.77E-04
ENSG00000269729	AC006262.2	19	46163893	46180647	16754	lncRNA	-2.72	1.17E-03	1.03E-02
ENSG00000257407	AC009803.1	12	115582061	115639234	57673	lncRNA	-2.72	1.29E-04	2.34E-03
ENSG00000273001	AL731533.2	10	3065244	3066001	577	lncRNA	-2.72	6.80E-04	7.17E-03
ENSG00000187988	KCTD9P3	9	37477149	37478317	1168	processed pseudogene	-2.72	3.11E-04	4.25E-03
ENSG00000218725	B3GALNT2P1	6	129800908	129802214	1306	processed pseudogene	-2.72	1.24E-03	1.08E-02
ENSG00000269102	AC010320.3	19	52284780	52297920	13140	lncRNA-antisense	-2.72	5.46E-05	1.30E-03
ENSG00000244094	SPRR2F	1	153112121	153113516	1395	protein coding	-2.72	3.31E-03	2.11E-02
ENSG00000237521	OR7E24	19	9247344	9252625	5281	protein coding	-2.72	1.82E-04	2.97E-03
ENSG00000196734	LCE1B	1	152811971	152813108	1137	protein coding	-2.72	1.88E-04	3.03E-03
ENSG00000228639	ROCR	17	72021851	72058073	36222	lncRNA	-2.72	1.04E-06	8.79E-05
ENSG00000288023	AL157936.1	9	94725871	94726575	704	lncRNA	-2.73	4.41E-04	5.36E-03
ENSG00000231063	RPL6P6	2	210088226	210089064	838	processed pseudogene	-2.73	2.63E-03	1.81E-02
ENSG00000221938	OR2A14	7	144123176	144131188	8012	protein coding	-2.73	1.11E-03	9.96E-03
ENSG00000111700	SLCO1B3	12	20810702	20916911	106209	protein coding	-2.73	7.76E-04	7.86E-03
ENSG00000187545	PRAMEF10	1	12892896	12898270	5374	protein coding	-2.73	1.05E-04	2.04E-03
ENSG00000204193	TXNDC8	9	110303478	110337884	34408	protein coding	-2.73	7.07E-05	1.56E-03
ENSG00000279155	AC233300.1	X	48939992	48940808	816	TEC	-2.74	2.62E-03	1.80E-02
ENSG00000270076	AF131215.7	8	11202965	11203671	706	lncRNA	-2.74	8.31E-04	8.24E-03
ENSG00000226629	LINC00974	17	41549606	41554495	4889	lncRNA	-2.74	1.56E-05	5.60E-04
ENSG00000215165	TCEA1P3	9	38478471	38479350	879	processed pseudogene	-2.74	3.71E-04	4.76E-03
ENSG00000231548	OR55B1P	11	4146112	4151104	4992	transcribed unitary pseudogene	-2.74	1.88E-04	3.03E-03
ENSG00000234497	ERIC3A-AS1	1	74577430	74626098	48668	lncRNA-antisense	-2.74	2.20E-04	3.38E-03
ENSG00000233017	AL121832.1	20	62427827	62447677	19850	lncRNA-antisense	-2.74	1.32E-05	5.03E-04
ENSG00000228740	GABRG3-AS1	15	27038978	27161319	122341	lncRNA-antisense	-2.74	1.97E-06	1.39E-04
ENSG00000224228	AL031599.1	1	172775905	173064105	288110	lncRNA	-2.74	3.66E-03	2.26E-02
ENSG00000228657	RPL23AP58	10	102572757	102573225	468	processed pseudogene	-2.75	3.75E-03	2.30E-02
ENSG00000264486	AC061975.4	17	28256438	28256551	9113	lncRNA	-2.75	2.44E-04	3.63E-03
ENSG00000286036	AC017099.2	2	97618638	97638417	19779	lncRNA	-2.75	1.35E-06	1.05E-04
ENSG00000226083	SLC39A12-AS1	10	18001786	18010562	8776	lncRNA-antisense	-2.75	1.63E-04	2.74E-03
ENSG00000204688	OR2H1	6	29457181	29464328	7147	protein coding	-2.75	1.29E-05	4.98E-04
ENSG00000173627	APOBEC4	1	183646275	183653316	7041	protein coding	-2.75	8.19E-04	8.16E-03
ENSG00000254934	LINC00678	11	27617626	27634627	17001	lncRNA	-2.75	5.16E-04	5.94E-03
ENSG00000258527	ASB9P1	15	92795647	92796339	792	processed pseudogene	-2.75	2.17E-03	1.59E-02
ENSG00000213091	PHPB1	6	150042546	150043353	807	processed pseudogene	-2.76	9.37E-04	8.91E-03
ENSG00000258553	AL157911.1	14	59969116	60091783	122667	lncRNA-antisense	-2.76	7.20E-05	1.58E-03
ENSG00000228750	LINC01672	1	6724637	6730012	5375	lncRNA	-2.76	1.10E-06	9.16E-05
ENSG00000249604	AC096564.1	4	107936031	107941255	5224	lncRNA-antisense	-2.76	1.53E-05	5.55E-04
ENSG00000214144	AL390728.1	1	247229940	247231880	1920	processed pseudogene	-2.76	1.60E-03	1.28E-02
ENSG00000256424	LINC02414	12	13163936	131661823	22427	lncRNA	-2.76	6.73E-04	7.11E-03
ENSG00000267101	AC090376.1	18	45104361	45118382	77021	lncRNA	-2.76	1.60E-06	1.20E-04
ENSG00000226288	OR5212	11	4581743	4593340	11597	protein coding	-2.76	6.10E-06	2.94E-04
ENSG00000255092	AC010768.2	11	44606710	44608101	1931	lncRNA-antisense	-2.76	1.66E-05	5.76E-04
ENSG00000248645	AC106872.5	4	164938322	164939990	1668	unprocessed pseudogene	-2.76	1.46E-03	1.20E-02
ENSG00000227599	PTPR-AS1	20	42968743	42971492	2749	lncRNA-antisense	-2.76	6.87E-04	7.22E-03
ENSG00000278480	ZBTB2P1	1	15226373	15227549	1176	processed pseudogene	-2.77	2.75E-04	3.93E-03
ENSG00000269504	AC003973.1	19	22017898	22052370	34472	lncRNA	-2.77	3.08E-07	3.90E-05
ENSG00000225882	LINC01456	X	17970197	18104644	134447	lncRNA	-2.77	8.10E-05	1.71E-03
ENSG00000117152	RG54	1	163068775	163076802	8027	protein coding	-2.77	9.54E-06	4.05E-04
ENSG00000254737	OR10G4	11	124012997	124018732	5735	protein coding	-2.77	3.99E-05	1.04E-03
ENSG00000249050	AC021242.1	8	9453698	9457418	3720	processed pseudogene	-2.78	6.68E-04	7.07E-03
ENSG00000288533	AP001178.4	18	623743	626492	2749	lncRNA	-2.78	7.04E-05	1.56E-03
ENSG00000265494	AC005304.2	17	13909231	13911212	1981	lncRNA	-2.78	1.08E-03	9.77E-03
ENSG00000285603	AL035693.1	6	2227803	2230261	2458	lncRNA-antisense	-2.78	5.68E-04	6.34E-03
ENSG00000277865	GOLGA6L22	15	22458903	22469230	10327	protein coding	-2.78	5.17E-06	2.65E-04
ENSG00000198930	CSAG1	X	152727484	152733735	6251	protein coding	-2.78	8.92E-04	8.61E-03
ENSG00000233363	AC006019.2	7	154092201	154096043	3842	lncRNA-antisense	-2.78	2.74E-05	8.04E-04
ENSG00000260264	LINC02194	16	24236104	24252863	16759	lncRNA	-2.78	5.20E-04	5.97E-03
ENSG00000184029	DSCR4	21	37951425	38121360	169935	lncRNA	-2.78	2.66E-04	3.85E-03
ENSG00000259542	AC087477.5	15	96393146	96405189	12043	lncRNA	-2.78	3.82E-04	4.87E-03
ENSG00000231107	LINC01508	9	90300885	90433566	132681	lncRNA	-2.78	1.70E-03	1.33E-02
ENSG00000165583	SSX5	X	48186220	48196763	10543	protein coding	-2.79	1.32E-04	2.37E-03
ENSG00000287184	AC007269.1	7	159107761	159109216	1455	lncRNA	-2.79	1.04E-04	2.03E-03
ENSG00000287197	AC096675.1	1	204822664	204829274	6610	lncRNA	-2.79	8.65E-05	1.79E-03
ENSG00000283457	AC087565.2	16	73794057	73809733	15676	lncRNA	-2.79	6.03E-04	6.60E-03
ENSG00000222001	AC106876.1	2	233012614	233015885	3271	lncRNA	-2.79	8.91E-04	8.60E-03
ENSG00000283213	AC130466.1	16	22806289	22813680	7391	lncRNA	-2.79	1.28E-10	1.47E-07
ENSG00000229670	PKP4P1	2	209178966	209181123	2157	unprocessed pseudogene	-2.79	3.72E-03	2.28E-02
ENSG00000284650	AL031430.1	1	37133489	37136146	2657	lncRNA	-2.79	4.21E-04	5.18E-03
ENSG00000271410	AC020728.1	5	55356308	55357523	1215	processed pseudogene	-2.79	1.92E-03	1.45E-02
ENSG00000267127	AC090360.1	18	80034346	80097088	62742	protein coding	-2.80	2.01E-07	2.94E-05
ENSG00000165584	SSX3	X	48346427	48356707	10280	protein coding	-2.80	2.60E-05	7.79E-04
ENSG00000268496	AC245884.9	19	54434183	54434665	482	lncRNA-sense intronic	-2.80	1.18E-03	1.03E-02

ENSG00000258766	DIO2-AS1	14	80211419	80455469	244050	lncRNA-antisense	-2.80	4.03E-04	5.06E-03
ENSG00000278593	AC104394.1	2	234743542	234745606	2064	unprocessed_pseudogene	-2.80	3.12E-04	4.25E-03
ENSG00000283417	AC024614.4	17	33791838	33816761	24923	lncRNA	-2.80	3.17E-04	4.29E-03
ENSG00000203933	CXorf6	X	139955728	139955521	9793	protein coding	-2.80	1.62E-03	1.29E-02
ENSG00000286109	AL357972.1	1	233724454	233730746	6292	lncRNA	-2.80	5.69E-05	1.34E-03
ENSG00000131864	USP29	19	57119138	57131926	12788	protein coding	-2.81	5.10E-08	1.12E-05
ENSG00000225172	AC096631.1	1	198973379	198985506	12127	lncRNA	-2.81	2.75E-05	8.05E-04
ENSG00000241219	AC078785.2	3	113050912	113063443	12531	lncRNA	-2.81	2.52E-04	3.70E-03
ENSG00000244310	AC093904.3	2	9110457	9116947	6490	lncRNA	-2.81	5.68E-05	1.34E-03
ENSG00000171942	OR10H2	19	15728020	15729060	1040	protein coding	-2.81	4.68E-05	1.16E-03
ENSG00000257985	AC004801.4	12	48011304	48025469	14165	lncRNA-antisense	-2.81	6.69E-05	1.50E-03
ENSG00000262497	FAM187B2P	19	35232291	35233003	712	unprocessed_pseudogene	-2.81	1.88E-04	3.04E-03
ENSG00000267141	AC012615.4	19	1860250	1862019	1769	lncRNA-antisense	-2.82	1.34E-04	2.39E-03
ENSG00000285648	AC137735.2	17	73926421	73949906	23485	lncRNA	-2.82	1.95E-05	6.44E-04
ENSG00000260887	CASC22	16	52258564	52280638	22074	lncRNA	-2.82	2.58E-05	7.75E-04
ENSG00000231896	AC019185.1	2	208469850	208540413	70563	lncRNA-sense intronic	-2.82	5.38E-04	6.11E-03
ENSG00000280220	AL157414.3	20	57161822	57163775	1953	TEC	-2.82	1.53E-05	5.54E-04
ENSG00000286805	AL138716.1	6	161435098	161446016	10918	lncRNA	-2.82	1.15E-04	2.17E-03
ENSG00000282842	FRG2EP	20	29415264	29416911	1647	unprocessed_pseudogene	-2.82	6.19E-05	1.42E-03
ENSG00000268696	ZNF723	19	22832291	22858667	26376	protein coding	-2.82	1.32E-04	2.37E-03
ENSG00000221826	PSG3	19	42721638	42740481	18843	protein coding	-2.82	9.83E-06	4.11E-04
ENSG00000213155	AC007547.1	3	181866351	181867154	803	processed_pseudogene	-2.82	1.69E-03	1.33E-02
ENSG00000227932	SELENOPL	10	26664206	26697295	33089	transcribed_unitary_pseudogene	-2.82	4.67E-04	5.56E-03
ENSG00000224674	EIF3EP2	2	162088259	162090027	1813	processed_pseudogene	-2.82	8.43E-04	8.31E-03
ENSG00000286934	AC027251.1	8	4317388	4329027	11639	lncRNA	-2.83	2.49E-05	7.56E-04
ENSG00000204700	ORJ2	6	29170907	29175811	4904	protein coding	-2.83	2.81E-05	8.18E-04
ENSG00000236272	SCUBE1-AS2	22	43212674	43213661	987	lncRNA-antisense	-2.83	8.61E-04	8.41E-03
ENSG00000286547	AL157938.4	9	131283421	131288278	4857	lncRNA	-2.83	1.07E-03	9.72E-03
ENSG00000177143	CETN1	18	580380	582214	1734	protein coding	-2.83	1.64E-04	2.75E-03
ENSG00000113492	AGXT2	5	34998101	35048135	50034	protein coding	-2.83	9.93E-08	1.72E-05
ENSG00000235592	AC004674.1	X	13327937	13329867	1930	unprocessed_pseudogene	-2.83	5.05E-03	2.82E-02
ENSG00000260430	AC099518.1	16	19086831	19098332	11501	lncRNA	-2.83	1.01E-04	1.99E-03
ENSG00000188771	PLET1	11	112248153	112260860	12707	protein coding	-2.83	6.33E-04	6.82E-03
ENSG00000287813	AC016705.3	15	80440294	80442751	2457	lncRNA	-2.83	9.32E-05	1.89E-03
ENSG00000223829	AC004870.2	7	46969644	47027481	57837	lncRNA	-2.83	1.40E-04	2.47E-03
ENSG00000230442	ASB15-AS1	7	123584859	123624957	40098	lncRNA-antisense	-2.83	1.24E-03	1.07E-02
ENSG00000287187	AL449403.3	9	96129869	96132214	2345	lncRNA	-2.83	2.08E-03	1.54E-02
ENSG00000261104	AC093904.4	2	9106593	9109865	3272	lncRNA	-2.83	1.09E-06	9.13E-05
ENSG00000253542	SDR16CP	8	56373064	56395365	22301	transcribed_unitary_pseudogene	-2.84	7.87E-04	7.93E-03
ENSG00000286198	AL606753.2	1	208266059	208270667	4608	lncRNA	-2.84	3.92E-06	2.17E-04
ENSG00000260008	AP001527.1	11	102107886	102109842	1956	lncRNA	-2.84	1.90E-04	3.06E-03
ENSG00000182916	TCEAL7	X	103330229	103332326	2097	protein coding	-2.84	8.94E-04	8.62E-03
ENSG00000251352	AC122714.2	5	180671892	180672598	706	processed_pseudogene	-2.84	3.06E-05	8.69E-04
ENSG00000234542	AL357127.1	10	123574227	123583767	9540	lncRNA	-2.84	1.77E-04	2.91E-03
ENSG00000288068	AC027088.5	15	68985795	68998679	12884	lncRNA	-2.84	6.91E-07	6.73E-05
ENSG00000228564	LINC01005	7	64024409	64030105	5696	lncRNA	-2.84	3.44E-05	9.42E-04
ENSG00000225755	AL451063.1	1	163237214	163239197	1983	processed_pseudogene	-2.85	3.86E-03	2.34E-02
ENSG00000259732	AC092757.2	15	59121034	59133250	12216	lncRNA-sense overlapping	-2.85	4.13E-04	5.13E-03
ENSG0000036473	OTC	X	38352586	38421446	68860	protein coding	-2.85	1.96E-05	6.46E-04
ENSG00000244705	AC020658.1	15	40312352	40313289	937	processed_pseudogene	-2.85	6.31E-05	1.44E-03
ENSG00000205777	GAGE1	X	49599025	49608536	9511	protein coding	-2.85	2.52E-04	3.70E-03
ENSG00000204640	NMS	2	100470482	100483280	12798	protein coding	-2.85	4.37E-05	1.12E-03
ENSG00000269651	AC022146.1	19	8173272	8175567	2295	unprocessed_pseudogene	-2.85	5.24E-04	6.01E-03
ENSG00000264673	AC098850.1	17	16788248	16789234	986	lncRNA-antisense	-2.85	2.07E-03	1.53E-02
ENSG00000227535	AL357315.1	6	104831129	104845820	14691	lncRNA-sense overlapping	-2.85	1.56E-03	1.26E-02
ENSG00000235131	TP73-AS2	1	3712200	3714298	2098	lncRNA-antisense	-2.86	6.00E-03	3.38E-02
ENSG00000279682	AC120338.1	X	7489659	7491199	1540	TEC	-2.86	2.58E-04	3.76E-03
ENSG00000229292	RFP4L4L1	19	55769118	55773420	4302	protein coding	-2.86	2.68E-04	3.87E-03
ENSG00000224074	LINC00691	3	24096269	24103238	6969	lncRNA	-2.86	2.14E-06	1.47E-04
ENSG00000172156	CCL11	17	34285742	34288334	2592	protein coding	-2.86	8.09E-05	1.71E-03
ENSG00000230423	AL672310.1	6	170615515	170738536	123021	lncRNA	-2.86	3.74E-07	4.43E-05
ENSG00000249064	KRT18P25	4	40020240	40021517	1277	processed_pseudogene	-2.86	9.35E-04	8.90E-03
ENSG00000225175	AC109780.1	3	186687329	186692506	5177	unprocessed_pseudogene	-2.87	2.95E-04	4.11E-03
ENSG00000262006	AC005920.4	17	50909637	50910232	595	lncRNA	-2.87	1.09E-03	9.82E-03
ENSG00000228543	AC003684.1	X	9249920	9275206	25286	lncRNA	-2.87	7.89E-05	1.68E-03
ENSG00000238215	AL513185.3	10	72643011	72644650	1639	processed_pseudogene	-2.87	2.89E-04	4.05E-03
ENSG00000279251	AC015726.3	17	19855747	19856164	417	TEC	-2.87	4.00E-04	5.04E-03
ENSG00000226913	BSN-DT	3	49549306	49554366	5060	lncRNA	-2.87	5.44E-06	2.74E-04
ENSG00000186226	LCE1E	1	152786214	152788426	2212	protein coding	-2.87	2.40E-04	3.60E-03
ENSG00000229562	ZFYVE9P1	X	137660519	137662242	1723	processed_pseudogene	-2.87	9.71E-05	1.94E-03
ENSG00000279652	Z82217.1	22	35992321	36000469	8148	lncRNA	-2.87	6.97E-09	2.80E-06
ENSG00000232985	AL355537.1	10	128958772	128960662	1290	lncRNA	-2.88	2.70E-03	1.84E-02
ENSG00000236497	LINC01744	1	232727251	232751299	24048	lncRNA	-2.88	5.66E-05	1.33E-03
ENSG00000233670	PIRT	17	10822470	10838087	15617	protein coding	-2.88	3.26E-08	8.47E-06
ENSG00000287714	AC025164.2	12	92026447	92032392	5945	lncRNA	-2.89	2.15E-03	1.58E-02
ENSG00000285842	AP000820.2	11	95571040	95748715	177675	lncRNA	-2.89	4.84E-05	1.19E-03
ENSG00000227496	AC099066.2	1	225700264	225752258	51994	lncRNA	-2.89	2.94E-08	7.84E-06
ENSG00000235160	LINC02248	15	26395037	26455217	60180	lncRNA	-2.89	2.20E-07	3.13E-05
ENSG00000240708	LINC02030	3	55226862	55300738	73876	lncRNA	-2.89	8.83E-05	1.81E-03
ENSG00000152034	MCHR2	6	99918519	99994247	75728	protein coding	-2.89	5.47E-06	2.74E-04
ENSG00000234277	LINC01641	1	227393554	227431035	37481	lncRNA	-2.89	2.03E-05	6.60E-04
ENSG00000285530	AL445928.2	1	100220488	100253414	32926	lncRNA-antisense	-2.89	3.33E-07	4.11E-05
ENSG00000226431	AL121929.1	10	103549075	103550964	1889	lncRNA-sense intronic	-2.89	3.01E-04	4.16E-03
ENSG00000163331	DAPL1	2	158795317	158862781	67464	protein coding	-2.89	1.82E-04	2.97E-03
ENSG00000286678	AC007649.1	12	107219764	107223576	3812	lncRNA	-2.89	2.66E-04	3.85E-03
ENSG00000280419	AC010531.8	16	87296949	87297633	684	TEC	-2.90	4.23E-04	5.20E-03
ENSG00000188729	OSTN	3	191199241	19126515	66374	protein coding	-2.90	4.26E-04	5.22E-03
ENSG00000279657	AL161901.1	13	60730176	60733600	3424	TEC	-2.90	1.56E-04	2.66E-03
ENSG00000248588	AC008517.1	5	92823935	92844992	21057	lncRNA	-2.91	5.03E-03	2.81E-02
ENSG00000285991	AL355312.5	6	149817937	149896011	78074	protein coding	-2.91	4.22E-04	5.19E-03

ENSG00000264058	AC073508.2	17	40627356	40665141	37785	protein coding	-2.91	1.61E-03	1.29E-02
ENSG00000238275	HOMER2P2	14	106286811	106287657	846	processed pseudogene	-2.91	4.01E-04	5.04E-03
ENSG00000167117	ANKRD40CL	17	50761029	50767557	6528	protein coding	-2.91	6.62E-08	1.32E-05
ENSG00000213946	DNAJB1P1	2	191881182	191882205	1023	processed pseudogene	-2.91	9.71E-04	9.13E-03
ENSG00000275155	AC027348.1	16	49847018	49847632	614	lncRNA-sense intronic	-2.91	1.20E-03	1.05E-02
ENSG00000235660	LINC00345	13	52482804	52489216	6412	lncRNA	-2.91	9.97E-05	1.98E-03
ENSG00000233427	AL009181.1	1	28870483	28877336	6853	lncRNA-antisense	-2.91	1.74E-05	5.97E-04
ENSG00000286034	AC100822.1	8	128323131	128388636	65505	lncRNA	-2.91	3.50E-04	4.58E-03
ENSG00000166118	SPATA19	11	133840631	133845538	4907	protein coding	-2.91	3.65E-05	9.83E-04
ENSG00000115593	SMYD1	2	88067825	88113384	45559	protein coding	-2.92	1.56E-10	1.74E-07
ENSG00000225279	AL121987.1	1	160062461	160080769	18308	lncRNA-antisense	-2.92	4.97E-05	1.22E-03
ENSG00000254857	MRGPRX12P	11	18153277	18154255	978	processed pseudogene	-2.92	1.54E-03	1.25E-02
ENSG00000279991	AC009044.1	16	78166717	78168514	1797	TEC	-2.92	8.99E-06	3.87E-04
ENSG00000235268	KDM4E	11	95025258	95027596	2338	protein coding	-2.92	9.73E-06	4.10E-04
ENSG00000287010	AC130467.1	16	86764298	86771041	6743	lncRNA	-2.92	6.11E-04	6.66E-03
ENSG00000285861	AC026997.2	8	3409133	3426587	17454	lncRNA-antisense	-2.92	2.19E-04	3.37E-03
ENSG00000268483	RPL7AP69	19	57065334	57066139	805	processed pseudogene	-2.92	1.85E-03	1.42E-02
ENSG00000221878	PSG7	19	42924132	42937207	13075	protein coding	-2.93	8.44E-07	7.70E-05
ENSG00000287987	AL390839.2	1	38193619	38210340	16721	lncRNA	-2.93	1.34E-04	2.40E-03
ENSG00000278626	AC023310.4	15	20642799	20643448	649	lncRNA	-2.93	4.33E-04	5.28E-03
ENSG00000284666	Z98259.2	1	5480787	5482028	1241	lncRNA	-2.93	6.53E-04	6.98E-03
ENSG00000259757	AC091891.1	5	2736662	2737759	1097	lncRNA	-2.93	9.16E-04	8.77E-03
ENSG00000179636	TPP2	14	21024109	21036276	12167	protein coding	-2.93	2.44E-05	7.48E-04
ENSG00000180974	OR52E4	11	5880629	5887079	6450	protein coding	-2.94	5.75E-04	6.40E-03
ENSG00000140527	WDR93	15	89690811	89743638	52827	protein coding	-2.94	2.45E-11	5.45E-08
ENSG00000253116	AC027698.1	8	58091442	58106294	14852	lncRNA	-2.94	1.09E-04	2.08E-03
ENSG00000167822	ORAJ3	11	56134721	56140201	5480	protein coding	-2.94	9.61E-04	9.06E-03
ENSG00000229280	EEF1DP6	1	4175528	4175899	371	processed pseudogene	-2.95	6.36E-04	6.84E-03
ENSG00000286498	AL132982.1	6	161353679	161355630	1671	lncRNA	-2.95	1.53E-04	2.63E-03
ENSG00000251321	PCAT4	4	79827471	79877770	50299	lncRNA	-2.95	8.18E-05	1.72E-03
ENSG00000237850	AC091304.1	15	28349051	28358080	9029	transcribed unprocessed pseudogene	-2.95	3.96E-04	5.00E-03
ENSG00000224792	IQCF4P	3	51817603	51819635	2032	transcribed unitary pseudogene	-2.95	1.10E-03	9.89E-03
ENSG00000136275	C7orf169	7	47795291	47819847	24556	lncRNA-antisense	-2.95	1.05E-03	9.63E-03
ENSG00000230324	LINC01734	20	39213777	39224748	10971	lncRNA	-2.95	1.57E-05	5.61E-04
ENSG00000240132	EIF1F2	7	151501878	151503463	1585	processed pseudogene	-2.96	9.37E-05	1.89E-03
ENSG00000274251	AP003419.2	11	67353629	67354348	719	lncRNA	-2.96	5.71E-04	6.37E-03
ENSG00000280291	AC016251.1	15	96294935	96299203	3088	TEC	-2.96	3.40E-06	1.98E-04
ENSG00000229028	KRT223P	17	40717235	40721932	4697	transcribed unprocessed pseudogene	-2.96	2.81E-05	8.16E-04
ENSG00000231648	LINC01698	1	209367662	209380518	12856	lncRNA	-2.96	3.71E-05	9.93E-04
ENSG00000282012	AP000357.2	22	24691122	24696003	4881	lncRNA	-2.96	1.00E-04	1.98E-03
ENSG00000267780	AC021594.2	18	79792726	79816529	23803	lncRNA	-2.96	1.02E-03	9.43E-03
ENSG00000198054	DSCR8	21	38121451	38156511	35060	lncRNA	-2.96	2.55E-04	3.73E-03
ENSG00000247867	AP01922.1	11	75758455	75768647	10192	lncRNA-antisense	-2.97	6.41E-06	3.06E-04
ENSG00000230716	KRT8P7	11	119602875	119604306	1431	processed pseudogene	-2.97	4.79E-07	5.26E-05
ENSG00000288172	AL356419.1	10	117579854	117593896	14042	lncRNA	-2.97	2.51E-04	3.70E-03
ENSG00000260972	Z98259.1	1	5492978	5494674	1696	lncRNA	-2.97	7.95E-06	3.56E-04
ENSG00000286668	AL391730.2	1	40939294	40945524	6230	lncRNA	-2.97	7.03E-04	7.33E-03
ENSG00000137634	NXPE4	11	114570591	114595786	25195	protein coding	-2.97	1.24E-04	2.27E-03
ENSG00000237843	AC016903.2	2	204473834	204507672	33838	lncRNA	-2.97	7.99E-04	8.02E-03
ENSG00000237194	SNAI1P1	2	209808804	209809580	776	processed pseudogene	-2.97	4.14E-05	1.07E-03
ENSG00000248257	PSG10P	19	42839368	42855718	16350	transcribed unprocessed pseudogene	-2.97	8.51E-06	3.72E-04
ENSG00000244573	RPL30P11	12	14356842	14365503	8661	transcribed processed pseudogene	-2.98	1.04E-04	2.02E-03
ENSG00000279442	AP000542.2	22	15298378	15304556	6178	lncRNA	-2.98	5.41E-04	6.13E-03
ENSG00000287307	AC005772.2	17	15062087	15104517	42430	lncRNA	-2.98	7.23E-10	5.37E-07
ENSG00000164299	SPZ1	5	80319625	80321842	2217	protein coding	-2.98	3.06E-03	2.00E-02
ENSG00000287399	AC011503.4	19	23897321	23899495	2174	lncRNA	-2.98	2.81E-05	8.18E-04
ENSG00000281852	LINC00891	X	71697196	71706455	9259	lncRNA	-2.98	1.61E-04	2.72E-03
ENSG00000253138	LINC00967	8	66192093	66197315	5222	lncRNA	-2.98	4.94E-05	1.21E-03
ENSG00000251257	AC010457.1	5	38460925	38468339	7414	lncRNA-antisense	-2.98	1.28E-03	1.10E-02
ENSG00000228055	FAM245A	10	87396561	87435035	38474	lncRNA	-2.98	3.06E-05	8.68E-04
ENSG00000287824	AL627443.3	6	166098111	166099589	1478	lncRNA	-2.99	1.42E-04	2.49E-03
ENSG00000253879	AC087664.2	8	59601319	59620227	18908	lncRNA	-2.99	2.20E-04	3.38E-03
ENSG00000234191	LINC01283	X	39401252	39434824	33572	lncRNA	-2.99	1.41E-03	1.18E-02
ENSG00000287844	AC018953.2	8	63651457	63693249	41792	lncRNA	-2.99	3.03E-03	1.99E-02
ENSG00000287784	AC112482.2	3	127165506	127218473	52967	lncRNA	-2.99	1.59E-04	2.70E-03
ENSG00000242078	AC084864.1	7	129783370	129785185	1815	lncRNA	-3.00	4.82E-04	5.68E-03
ENSG00000260616	AC007728.1	16	50783859	50803338	19479	lncRNA-antisense	-3.00	2.24E-05	7.05E-04
ENSG00000234724	HDAC1P1	10	94137748	94139500	1752	processed pseudogene	-3.00	1.99E-05	6.53E-04
ENSG00000257331	RACGAP1P1	12	45063473	45065351	1878	processed pseudogene	-3.00	5.60E-05	1.32E-03
ENSG00000116039	ATP6V1B1	2	70935900	70965431	29531	protein coding	-3.01	1.82E-06	1.33E-04
ENSG00000211641	IGLV11-55	22	22201663	22202161	498	IG_V_gene	-3.01	5.31E-04	6.06E-03
ENSG00000231172	AC007099.1	2	75524068	75542706	18638	lncRNA-antisense	-3.01	2.27E-04	3.45E-03
ENSG00000224764	AL353768.1	9	94928551	94934946	6395	lncRNA-antisense	-3.01	6.37E-04	6.84E-03
ENSG00000267651	AC015961.1	18	37234119	37236242	2123	lncRNA	-3.01	2.23E-05	7.02E-04
ENSG00000287582	AC099796.2	1	54514417	54517383	2966	lncRNA	-3.01	5.41E-06	2.73E-04
ENSG00000261624	NDUFB10P2	7	141351977	141352768	791	processed pseudogene	-3.01	3.48E-04	4.56E-03
ENSG00000254412	AC118273.1	11	49098163	49101168	3005	processed pseudogene	-3.01	1.52E-03	1.24E-02
ENSG00000000005	TNMD	X	100584936	100599885	14949	protein coding	-3.01	1.74E-04	2.88E-03
ENSG00000227542	AC092614.1	2	191229165	191246172	17007	lncRNA	-3.01	5.62E-04	6.30E-03
ENSG00000263878	DLGAP1-AS4	18	3962353	4024150	61797	lncRNA-antisense	-3.01	1.11E-06	9.16E-05
ENSG00000224969	AL645608.1	1	1011997	1013193	1196	lncRNA-antisense	-3.02	2.66E-04	3.85E-03
ENSG00000263862	LINC01543	18	26421139	26438041	16902	lncRNA	-3.02	2.06E-06	1.44E-04
ENSG00000237136	C4orf51	4	145680146	145771032	90886	protein coding	-3.02	3.13E-04	4.26E-03
ENSG00000284748	AL513220.1	1	37596126	37607336	11210	lncRNA-bidirectional promoter lncRNA	-3.02	1.65E-05	5.75E-04
ENSG00000279070	AC073263.2	2	74196698	74198560	1862	lncRNA	-3.02	1.06E-04	2.05E-03
ENSG00000269565	GPR32P1	19	50758382	50759192	810	unprocessed pseudogene	-3.02	1.48E-03	1.21E-02
ENSG00000258010	AC01705.1	15	80433795	80445152	11357	lncRNA-antisense	-3.02	1.65E-07	2.53E-05
ENSG00000245059	AC092718.1	16	81077319	81078861	1542	lncRNA	-3.02	2.28E-06	1.53E-04
ENSG00000287972	AC073648.7	4	9076949	9092530	15581	lncRNA	-3.03	1.90E-05	6.33E-04
ENSG00000270279	AL132655.3	20	58754351	58756838	2487	lncRNA	-3.03	1.05E-04	2.04E-03

ENSG00000250025	AC011396.2	5	146307098	146376963	69865	lncRNA-antisense	-3.03	2.78E-04	3.96E-03
ENSG00000282097	AL160408.6	1	234709383	234720220	10837	lncRNA	-3.03	2.92E-04	4.07E-03
ENSG00000141946	ZIM3	19	57134096	57145202	11106	protein coding	-3.04	1.75E-06	1.30E-04
ENSG00000234481	AC117945.1	1	36769812	36775768	5956	lncRNA-antisense	-3.04	1.01E-04	1.99E-03
ENSG00000270591	AL049840.7	14	103762803	103763277	474	transcribed processed pseudogene	-3.04	3.16E-03	2.05E-02
ENSG00000234999	SNRPCP19	7	24906135	24906594	459	processed pseudogene	-3.04	1.70E-05	5.86E-04
ENSG00000287668	AL132990.1	14	94545310	94547762	2452	lncRNA	-3.04	2.28E-06	1.53E-04
ENSG00000161652	IZUMO2	19	50152548	50163195	10647	protein coding	-3.05	3.77E-07	4.45E-05
ENSG00000155622	XAGE2	X	52369021	52375680	6659	protein coding	-3.05	1.74E-04	2.88E-03
ENSG00000253547	TUBAP7	11	63046785	63048126	1341	processed pseudogene	-3.05	4.06E-04	5.08E-03
ENSG00000250814	LINC02221	5	9854371	9899970	45599	lncRNA	-3.05	4.03E-04	5.06E-03
ENSG00000214825	EI24P3	3	44524744	44525805	1061	processed pseudogene	-3.05	5.90E-04	6.51E-03
ENSG00000204978	ERICH4	19	41443156	41444765	1609	protein coding	-3.06	2.57E-04	3.75E-03
ENSG00000256218	AC007848.2	12	5366048	5367774	1726	lncRNA	-3.06	7.48E-04	7.65E-03
ENSG00000244137	AL512328.1	1	230710698	230795492	84794	lncRNA-antisense	-3.06	5.64E-06	2.80E-04
ENSG00000257271	KIRREL3-AS1	11	126543947	126610948	67001	lncRNA-antisense	-3.06	2.07E-04	3.24E-03
ENSG00000164294	GPX8	5	55160167	55167297	7130	protein coding	-3.06	1.82E-05	6.15E-04
ENSG00000153684	GOLGA8F	15	28378621	28392018	13397	protein coding	-3.07	9.76E-06	4.10E-04
ENSG00000228445	UGT1A2P	2	233747214	233748079	865	unprocessed pseudogene	-3.07	3.69E-04	4.75E-03
ENSG00000250591	PRSS3P1	7	142760415	142763943	3528	unprocessed pseudogene	-3.07	5.73E-05	1.35E-03
ENSG00000179136	LINC00670	17	12549764	12642854	93090	lncRNA	-3.07	3.32E-08	8.50E-06
ENSG00000242097	AC086847.1	3	151759747	151762011	2264	processed pseudogene	-3.07	2.89E-04	4.05E-03
ENSG00000282924	AC136428.4	16	33723356	33763773	40417	unprocessed pseudogene	-3.07	5.04E-05	1.23E-03
ENSG00000260786	AC108099.1	5	42188266	42191523	3257	lncRNA	-3.07	7.85E-04	7.93E-03
ENSG00000082929	LINC01587	4	5524569	5527801	3232	lncRNA	-3.08	4.43E-04	5.37E-03
ENSG00000255540	AP003122.5	11	89731017	89734782	3765	processed pseudogene	-3.08	3.63E-05	9.80E-04
ENSG00000258692	SALL4P7	14	60493766	60496885	3119	transcribed processed pseudogene	-3.08	9.84E-06	4.11E-04
ENSG00000253105	AP003548.1	8	96370800	96387438	16638	lncRNA	-3.08	3.56E-04	4.63E-03
ENSG00000226197	AL583785.1	9	13386130	13836651	450441	lncRNA	-3.08	5.54E-04	6.24E-03
ENSG00000204290	BTNL2	6	32393963	32407128	13165	protein coding	-3.08	3.30E-06	1.96E-04
ENSG00000231815	AC007179.1	2	59434552	59442261	7709	lncRNA	-3.08	1.21E-04	2.24E-03
ENSG00000203648	AC007618.1	12	2659937	2660969	1032	processed pseudogene	-3.08	2.55E-04	3.73E-03
ENSG00000260756	AC131649.1	16	10351440	10352752	1312	lncRNA	-3.08	4.12E-05	1.07E-03
ENSG00000230790	AC012456.2	2	11740997	11745301	4304	lncRNA-antisense	-3.08	1.88E-05	6.30E-04
ENSG00000204776	IGKV10R-3	9	65770955	65771434	479	IG V pseudogene	-3.09	2.61E-04	3.79E-03
ENSG00000204880	KRTAP4-8	17	41096981	41098142	1161	protein coding	-3.09	2.69E-05	7.93E-04
ENSG00000255282	WTAPP1	11	102746968	102836766	89798	transcribed processed pseudogene	-3.09	2.72E-09	1.43E-06
ENSG00000260239	LINC02533	6	4488798	4495769	6971	lncRNA	-3.09	5.02E-07	5.37E-05
ENSG00000286694	AL161935.3	10	31608500	31620862	12362	lncRNA	-3.10	3.85E-04	4.89E-03
ENSG00000255395	AP001972.4	11	75099172	75140148	40976	lncRNA-antisense	-3.10	5.41E-04	6.13E-03
ENSG00000184210	DGAT2L6	X	70177483	70205704	28221	protein coding	-3.10	7.51E-05	1.63E-03
ENSG00000231924	PSG1	19	42866464	42879822	13358	protein coding	-3.10	1.13E-07	1.88E-05
ENSG00000221933	OR2A25	7	144069811	144075870	6059	protein coding	-3.10	5.46E-06	2.74E-04
ENSG00000232930	AC083864.2	7	36001317	36055431	54114	lncRNA	-3.10	3.78E-04	4.83E-03
ENSG00000227463	AL390838.1	9	84059298	84098984	39686	lncRNA	-3.10	4.12E-08	9.70E-06
ENSG00000286842	AL353752.2	9	87436215	87445795	9580	lncRNA	-3.11	3.29E-05	9.08E-04
ENSG00000267927	AC010320.1	19	52171158	52177002	5844	lncRNA-antisense	-3.11	1.21E-06	9.74E-05
ENSG00000236800	AC08898.1	10	48664199	48672424	8225	lncRNA	-3.11	1.15E-03	1.02E-02
ENSG00000225233	AL592402.1	1	213492288	213579267	86979	lncRNA	-3.11	3.99E-04	5.03E-03
ENSG00000226087	AC073283.2	2	47225781	47240886	15105	lncRNA	-3.12	9.06E-05	1.84E-03
ENSG00000243095	RPL3P10	8	39157538	39158701	1163	processed pseudogene	-3.12	8.02E-04	8.04E-03
ENSG00000234754	LINC02817	1	221330080	221336489	6409	lncRNA	-3.12	7.72E-05	1.66E-03
ENSG00000261749	LINC02180	16	52085210	52099120	13910	lncRNA	-3.12	5.77E-05	1.35E-03
ENSG00000287652	AC000082.1	22	19520572	19522769	2197	lncRNA	-3.12	3.02E-06	1.84E-04
ENSG00000259862	AC026336.2	12	130249679	130266725	17046	lncRNA	-3.13	4.67E-04	5.56E-03
ENSG00000242741	LINC02005	3	73805754	73902960	97206	lncRNA	-3.13	5.06E-05	1.23E-03
ENSG00000287144	AC097511.1	4	137943022	138051288	108266	lncRNA	-3.13	3.30E-04	4.42E-03
ENSG00000219891	ZSCAN12P1	6	28091154	28093664	2510	transcribed unprocessed pseudogene	-3.13	2.55E-07	3.39E-05
ENSG00000122548	KIAA0087	7	26533121	26533878	5667	lncRNA	-3.14	6.75E-07	6.64E-05
ENSG00000183629	GOLGA8G	15	28519611	28533014	13403	protein coding	-3.14	2.19E-08	6.29E-06
ENSG00000233645	AL358876.2	1	8218190	8220529	2339	lncRNA	-3.14	3.08E-05	8.72E-04
ENSG00000284516	VAMP9P	4	82284971	82340013	55042	transcribed unitary pseudogene	-3.15	3.81E-06	2.14E-04
ENSG00000222000	AC092675.1	2	98331389	98356005	24616	lncRNA-antisense	-3.15	6.54E-05	1.48E-03
ENSG00000155087	ODF1	8	102551589	102561018	9429	protein coding	-3.15	3.50E-04	4.57E-03
ENSG00000235295	LINC01634	22	18029385	18037968	8583	lncRNA	-3.15	5.09E-07	5.42E-05
ENSG00000248709	AC008549.1	5	115738978	115756543	17565	lncRNA	-3.15	8.19E-04	8.16E-03
ENSG00000231877	AL359551.1	1	238485445	238538305	52860	lncRNA	-3.16	1.57E-05	5.61E-04
ENSG00000236121	HAUS6P2	20	31341371	31344471	3100	processed pseudogene	-3.17	1.92E-06	1.37E-04
ENSG00000236173	AL049612.1	6	169809318	169810102	784	lncRNA	-3.17	1.63E-04	2.75E-03
ENSG00000249241	LINC02265	4	40316485	40330419	13934	lncRNA	-3.17	1.10E-03	9.86E-03
ENSG00000257067	LINC02703	11	115920248	115943181	22933	lncRNA	-3.17	1.33E-04	2.38E-03
ENSG00000287135	AC010884.1	2	104928803	104936467	7664	lncRNA	-3.17	3.43E-08	8.61E-06
ENSG00000183674	LINC00518	6	10429255	10435015	5760	lncRNA	-3.17	3.12E-05	8.79E-04
ENSG00000235432	AL663074.2	1	20692734	20694013	1279	unprocessed pseudogene	-3.18	4.48E-05	1.13E-03
ENSG00000285919	AC087639.2	15	68880663	68928941	48278	lncRNA-antisense	-3.18	1.72E-07	2.61E-05
ENSG00000250636	AC019193.1	4	183028601	183029720	1119	processed pseudogene	-3.18	5.63E-04	6.30E-03
ENSG00000250894	PRAMEF31P	1	13245863	13248652	2789	unprocessed pseudogene	-3.18	6.84E-09	2.78E-06
ENSG00000259925	AC130456.2	16	19343647	19401693	58046	lncRNA	-3.18	5.14E-07	5.46E-05
ENSG00000253130	AC114550.1	8	8561386	8574038	12652	lncRNA	-3.18	4.03E-06	2.22E-04
ENSG00000248572	EGFLAM-AS2	5	38399814	38403711	3657	lncRNA-antisense	-3.18	7.37E-05	1.60E-03
ENSG00000265927	AC125421.2	17	73831572	73836019	4447	lncRNA	-3.19	3.88E-06	2.16E-04
ENSG00000255277	ABC6P2	16	14820792	14824702	3910	transcribed unprocessed pseudogene	-3.20	3.00E-04	4.15E-03
ENSG00000236719	OVAL	1	180509380	180566523	57143	lncRNA	-3.20	1.70E-05	5.86E-04
ENSG00000261637	LINC02127	16	51017544	51035784	18240	lncRNA	-3.21	1.36E-07	2.19E-05
ENSG00000250666	LINC01596	4	189881515	189884868	3353	lncRNA	-3.21	6.87E-04	7.22E-03
ENSG00000179172	HNRNPCL1	1	12847377	12848720	1343	protein coding	-3.21	8.78E-05	1.80E-03
ENSG00000270935	AL021808.1	6	27268113	27269229	1116	processed pseudogene	-3.22	3.92E-04	4.97E-03
ENSG00000213358	AC092933.1	3	196527339	196528791	1452	unprocessed pseudogene	-3.22	1.22E-06	9.76E-05
ENSG00000267407	LINC02841	19	31520155	31554803	34648	lncRNA	-3.22	4.39E-05	1.12E-03
ENSG00000205362	MT1A	16	56638666	56640087	1421	protein coding	-3.23	7.18E-05	1.58E-03

ENSG00000268879	IGFL1P1	19	46196238	46197323	1085	unprocessed_pseudogene	-3.23	1.56E-04	2.66E-03
ENSG00000257761	AC078860.2	12	71587642	71594404	6762	lncRNA-antisense	-3.23	9.76E-05	1.94E-03
ENSG00000285751	AC021723.2	11	39024631	39161638	137007	lncRNA	-3.23	2.77E-04	3.96E-03
ENSG00000263677	AC012588.1	18	26685954	26689668	3714	lncRNA	-3.23	1.04E-04	2.03E-03
ENSG00000203914	HSP90B3P	1	91642516	91644082	1566	processed_pseudogene	-3.23	2.63E-04	3.82E-03
ENSG00000259026	AL049833.2	14	97110416	97119247	8831	lncRNA	-3.24	4.84E-05	1.19E-03
ENSG00000285879	AC018628.2	17	62035944	62040352	4408	lncRNA-antisense	-3.24	3.71E-04	4.76E-03
ENSG00000253775	AC100802.1	8	20079114	20124857	45743	lncRNA	-3.24	2.52E-04	3.70E-03
ENSG00000236545	AP001619.2	21	41870633	41872054	1421	lncRNA-antisense	-3.24	7.43E-06	3.40E-04
ENSG00000259478	AC024651.1	15	97982509	97991142	8633	lncRNA	-3.24	1.38E-04	2.45E-03
ENSG00000287687	AC007387.2	2	74723873	74778780	54907	lncRNA	-3.24	1.31E-06	1.02E-04
ENSG00000131482	G6PC	17	42900797	42914438	13641	protein_coding	-3.24	8.10E-07	7.53E-05
ENSG00000165935	SMCO2	12	27466810	27502185	35375	protein_coding	-3.24	2.90E-06	1.79E-04
ENSG00000286425	AL773573.1	21	41007244	41037362	30118	lncRNA	-3.24	1.17E-05	4.62E-04
ENSG00000101981	F9	X	139530739	139563459	32720	protein_coding	-3.25	4.52E-06	2.39E-04
ENSG00000237223	SULT1C2P1	2	108322238	108353799	31561	transcribed_unprocessed_pseudogene	-3.25	7.22E-05	1.58E-03
ENSG00000231253	LINC01640	22	33104330	33145861	41531	lncRNA	-3.25	1.77E-06	1.31E-04
ENSG00000180383	DEFB124	20	31465506	31476757	11251	protein_coding	-3.26	4.24E-05	1.09E-03
ENSG00000159516	SPRR2G	1	153149582	153150890	1308	protein_coding	-3.26	2.25E-05	7.06E-04
ENSG00000267215	AC040963.1	18	59081911	59085920	4009	lncRNA	-3.26	6.11E-08	1.28E-05
ENSG00000231418	AC005090.1	7	31414158	31421303	7145	lncRNA	-3.26	2.45E-04	3.63E-03
ENSG00000279142	AC009108.4	16	86595189	86597639	2450	TEC	-3.26	6.89E-07	6.73E-05
ENSG00000253213	USP12P1	5	171251866	171252982	1116	processed_pseudogene	-3.26	5.00E-05	1.22E-03
ENSG00000254645	AC087379.1	11	15701265	15758898	57633	lncRNA	-3.27	1.13E-06	9.24E-05
ENSG00000108688	CCL7	17	34270221	34272242	2021	protein_coding	-3.27	2.92E-04	4.07E-03
ENSG00000225815	AC082669.1	2	86327349	86328984	1635	lncRNA	-3.27	2.71E-04	3.89E-03
ENSG00000232328	AC084030.1	2	236733289	236754363	21074	lncRNA	-3.27	6.10E-10	5.02E-07
ENSG00000163515	RETNLB	3	108743424	108757384	13960	protein_coding	-3.27	1.91E-04	3.07E-03
ENSG00000260860	AC126773.5	16	68651056	68651948	892	processed_pseudogene	-3.27	3.94E-06	2.18E-04
ENSG00000232628	AC092809.2	1	224208741	224213625	4884	lncRNA-sense intronic	-3.28	4.06E-07	4.63E-05
ENSG00000224090	AC097468.1	2	219002215	219015721	13506	lncRNA-antisense	-3.29	2.42E-05	7.43E-04
ENSG00000236027	PATE3	11	125788127	125791600	3473	protein_coding	-3.29	3.70E-05	9.93E-04
ENSG00000285555	AC005293.1	12	2332861	2335702	2841	lncRNA-antisense	-3.29	7.14E-08	1.38E-05
ENSG00000180205	WFDC9	20	45607939	45631284	23345	protein_coding	-3.29	3.59E-05	9.74E-04
ENSG00000229345	AL392185.1	9	95959438	95960326	6888	lncRNA	-3.30	4.44E-05	1.12E-03
ENSG00000233884	AL772337.2	9	87848113	87853526	5413	lncRNA-antisense	-3.31	5.18E-05	1.25E-03
ENSG00000253556	MTCO1P4	8	103088796	103090761	1875	processed_pseudogene	-3.31	2.18E-05	6.91E-04
ENSG00000275800	EIF5P2	X	19496378	19497721	1343	unprocessed_pseudogene	-3.31	1.20E-05	4.70E-04
ENSG00000277932	OR5E25	11	5893208	5902730	9522	protein_coding	-3.31	2.36E-06	1.56E-04
ENSG00000203307	FAM78B-AS1	1	166081183	166087483	6300	lncRNA-antisense	-3.31	6.80E-05	1.52E-03
ENSG00000287619	AL021308.1	X	103563917	103573278	9361	lncRNA	-3.32	2.04E-04	3.22E-03
ENSG00000225179	LINC00457	13	34435450	34640803	205353	lncRNA	-3.32	3.62E-05	9.79E-04
ENSG00000238024	DDX39BP2	6	29993209	29993605	396	unprocessed_pseudogene	-3.32	1.38E-05	5.21E-04
ENSG00000266711	AC021534.1	17	79132722	79136402	3680	lncRNA-antisense	-3.33	7.34E-05	1.60E-03
ENSG00000255440	AP010805.1	11	74398825	74416379	17554	lncRNA-sense intronic	-3.33	1.09E-05	4.39E-04
ENSG00000275152	CCL16	17	35976493	35981497	5004	protein_coding	-3.34	4.76E-10	4.29E-07
ENSG00000215035	FDPSP5	X	44476027	44477222	1395	processed_pseudogene	-3.35	1.77E-05	6.04E-04
ENSG00000283473	FAM240A	3	46612435	46626543	14108	protein_coding	-3.35	8.78E-05	1.80E-03
ENSG00000286325	AC124861.3	2	240184716	240187878	3162	lncRNA	-3.35	3.69E-05	9.92E-04
ENSG00000286658	AC005153.1	7	50641725	50643868	2143	lncRNA	-3.35	1.18E-05	4.65E-04
ENSG00000258841	EEF1A1P2	14	81661428	81662874	1446	processed_pseudogene	-3.35	4.64E-04	5.54E-03
ENSG00000259735	AC092868.2	15	59348648	59359889	11241	lncRNA-sense intronic	-3.36	1.24E-05	4.84E-04
ENSG00000283758	PMIS2	19	35586161	35587296	1135	protein_coding	-3.37	3.06E-05	8.69E-04
ENSG00000206072	SERPINE11	18	63647579	63726432	78853	protein_coding	-3.37	1.20E-08	4.18E-06
ENSG00000287470	AP001037.1	21	38503562	38543336	39774	lncRNA	-3.38	3.89E-05	1.02E-03
ENSG00000272108	AC244517.1	5	141118680	141120765	2085	lncRNA	-3.38	1.14E-04	2.15E-03
ENSG00000253539	AC018442.8	8	99796615	99799187	2572	lncRNA-antisense	-3.38	7.10E-05	1.57E-03
ENSG00000258647	LINC00930	15	92567817	92574529	6712	lncRNA	-3.38	1.39E-13	1.32E-09
ENSG00000255394	C8orf49	8	11761256	11763223	1967	lncRNA	-3.39	5.84E-05	1.36E-03
ENSG00000286780	AL139379.1	13	106232131	106371082	138951	lncRNA	-3.39	1.42E-05	5.30E-04
ENSG00000282975	LINC02034	3	127537937	127540485	2548	lncRNA	-3.39	8.56E-06	3.73E-04
ENSG00000243236	GSTA9P	6	52939726	52957521	17795	transcribed_unprocessed_pseudogene	-3.39	3.53E-04	4.60E-03
ENSG00000274443	C8orf89	8	73241329	73259502	18173	protein_coding	-3.40	1.31E-04	2.36E-03
ENSG00000236546	MYCL-AS1	1	39897745	39899098	1353	lncRNA-antisense	-3.40	2.24E-04	3.42E-03
ENSG00000260976	LINC01633	1	184999710	185008789	9079	lncRNA	-3.40	1.72E-04	2.86E-03
ENSG00000286651	PRSS43P	3	46753045	46756857	3812	transcribed_unitary_pseudogene	-3.40	8.59E-05	1.78E-03
ENSG00000227234	SPANXB1	X	141002594	141003706	1112	protein_coding	-3.40	1.97E-04	3.13E-03
ENSG00000258080	ARHGAP42P4	14	19688261	19691194	2933	processed_pseudogene	-3.41	2.71E-05	7.98E-04
ENSG00000283025	AC027045.3	17	9805443	9811047	5604	lncRNA-antisense	-3.41	5.26E-07	5.51E-05
ENSG00000288252	AL355836.4	14	101160476	101172549	12073	lncRNA	-3.42	2.82E-05	8.18E-04
ENSG00000284670	AC092128.1	16	73940639	73941781	1142	translated_processed_pseudogene	-3.42	1.31E-05	5.02E-04
ENSG00000172399	MYO22	4	119135832	119187789	51957	protein_coding	-3.42	6.50E-05	1.47E-03
ENSG00000273851	AC027088.4	15	69022230	69024176	1946	transcribed_processed_pseudogene	-3.43	1.05E-05	4.27E-04
ENSG00000243810	CFAP61-AS1	20	20258407	20267809	9402	lncRNA-antisense	-3.44	1.00E-04	1.98E-03
ENSG00000258684	BMS1P16	15	21160305	21167357	7052	unprocessed_pseudogene	-3.44	8.47E-06	3.71E-04
ENSG00000224570	AC097063.1	1	65576129	65578380	2251	processed_pseudogene	-3.44	9.40E-05	1.90E-03
ENSG00000287221	AL589794.2	10	50736078	50739434	3356	lncRNA	-3.44	1.66E-05	5.76E-04
ENSG00000280038	DNM1P41	15	84166547	84169896	3349	TEC	-3.45	2.50E-06	1.63E-04
ENSG00000178248	FAM2301	22	23462086	23466980	24894	lncRNA	-3.45	1.16E-08	4.07E-06
ENSG00000231201	AF127577.2	21	14971470	14992854	21384	lncRNA-antisense	-3.45	8.27E-06	3.64E-04
ENSG00000255313	AC100858.1	8	124936328	124943765	7437	lncRNA	-3.45	1.97E-05	6.47E-04
ENSG00000249184	AC107074.1	4	151798917	151833097	34180	lncRNA	-3.45	2.21E-05	6.97E-04
ENSG00000234112	AC090666.3	1	225803148	225803448	300	processed_pseudogene	-3.46	1.01E-04	1.99E-03
ENSG00000268318	LINC01872	19	51271266	51281234	9968	lncRNA	-3.46	2.92E-05	8.40E-04
ENSG00000224322	AC004009.1	7	27361591	27410358	48767	lncRNA	-3.46	4.42E-05	1.12E-03
ENSG00000236417	CTSLP1	10	87386685	87390203	3518	unprocessed_pseudogene	-3.48	3.69E-05	9.92E-04
ENSG00000204933	CD177P1	19	43372742	43379123	6381	unprocessed_pseudogene	-3.48	6.38E-10	5.14E-07
ENSG00000258979	LINC02299	14	96738021	96739084	55063	lncRNA	-3.50	1.64E-05	5.73E-04
ENSG00000285593	AC055872.2	17	6373833	6375080	1247	lncRNA	-3.50	3.18E-05	8.90E-04
ENSG00000287107	AL136102.1	20	48120269	48136844	16575	lncRNA	-3.50	7.04E-06	3.28E-04

ENSG00000236335	AL161638.2	1	30409560	30411638	2078	lncRNA	-3.50	6.28E-05	1.44E-03
ENSG00000261304	LINC02252	15	34651135	34671095	19960	lncRNA	-3.51	9.89E-06	4.12E-04
ENSG00000215834	FMO9P	1	166603916	166631400	27484	transcribed unprocessed pseudogene	-3.51	4.58E-07	5.06E-05
ENSG00000189196	LINC00994	3	64078361	64087363	9002	lncRNA	-3.51	2.47E-06	1.61E-04
ENSG00000236162	AC092687.2	2	10717773	10720952	3179	lncRNA	-3.51	5.08E-05	1.24E-03
ENSG00000286670	AL450467.1	9	2652856	2654371	1615	lncRNA	-3.51	8.87E-05	1.81E-03
ENSG00000279728	CU638689.2	21	6712596	6716361	3765	unprocessed pseudogene	-3.52	3.30E-05	9.11E-04
ENSG00000287703	AC099565.1	1	34640157	34685732	45575	lncRNA	-3.53	1.06E-05	4.30E-04
ENSG00000274064	AC040978.1	8	140039756	140041037	1281	processed pseudogene	-3.53	5.10E-06	2.62E-04
ENSG00000155249	ORAK1	14	19930917	19936757	5840	protein coding	-3.53	3.52E-05	9.58E-04
ENSG00000284710	Z98257.2	1	20272018	20275005	2987	lncRNA	-3.53	1.36E-06	1.06E-04
ENSG00000253733	LZTS1-AS1	8	20275773	20290458	14685	lncRNA	-3.54	4.83E-05	1.19E-03
ENSG00000233792	PUDPP2	1	152124016	152196699	72683	transcribed processed pseudogene	-3.54	4.53E-05	1.14E-03
ENSG00000230258	AC005208.1	17	70017324	70128859	111535	lncRNA-antisense	-3.55	1.90E-06	1.36E-04
ENSG00000285716	AC004129.3	7	25254965	25257129	2164	lncRNA	-3.55	1.29E-04	2.34E-03
ENSG00000280288	AC131935.2	11	11725332	11726702	1370	TEC	-3.55	9.91E-06	4.12E-04
ENSG00000261122	LINC02167	16	35743268	35756515	13247	lncRNA	-3.55	8.29E-06	3.65E-04
ENSG00000259099	AC025574.1	12	56380361	56382711	2350	processed pseudogene	-3.57	3.04E-05	8.68E-04
ENSG00000241818	SCG5-AS1	15	32656084	32673065	16981	lncRNA-antisense	-3.57	2.31E-06	1.53E-04
ENSG00000279887	AC046158.4	16	78525189	78526535	1346	TEC	-3.57	5.85E-06	2.87E-04
ENSG00000180483	DERF119	20	31377164	31390590	13426	protein coding	-3.59	1.63E-05	5.73E-04
ENSG00000255420	CASC23	11	8011278	8016520	5242	lncRNA-antisense	-3.59	3.33E-06	1.97E-04
ENSG00000259306	AC020891.2	15	51315841	51321996	6155	lncRNA	-3.59	5.09E-06	2.62E-04
ENSG00000215007	DNAA1P3	X	107351650	107352843	1193	processed pseudogene	-3.59	3.59E-05	9.73E-04
ENSG00000258433	AC087633.1	15	95034108	95047108	13000	lncRNA	-3.59	5.28E-06	2.68E-04
ENSG00000234634	LINC02093	17	13299184	13306771	7587	lncRNA	-3.60	7.99E-06	3.57E-04
ENSG00000203825	AC239859.1	1	143541768	143572834	31066	unprocessed pseudogene	-3.60	2.77E-12	1.20E-08
ENSG00000266667	AC005703.3	17	15379864	15417878	38014	lncRNA	-3.60	7.26E-07	6.93E-05
ENSG00000231461	HLA-DPA2	6	33091753	33097295	5542	unprocessed pseudogene	-3.60	7.48E-06	3.41E-04
ENSG00000203408	ORC71P	12	55376742	55378797	2055	transcribed unprocessed pseudogene	-3.61	3.42E-05	9.39E-04
ENSG00000287443	AL357558.3	20	47974137	47977584	3447	lncRNA	-3.61	9.47E-07	8.23E-05
ENSG00000239345	HNRNPA1P26	X	100855288	100856379	1091	processed pseudogene	-3.61	6.21E-06	2.99E-04
ENSG00000164485	IL22RA2	6	137143820	137173648	29828	protein coding	-3.61	1.34E-07	2.16E-05
ENSG00000285900	AC079177.1	X	31411033	31413701	2668	lncRNA-antisense	-3.62	1.42E-05	5.31E-04
ENSG00000246820	RIC3-DT	11	8169167	8178903	9736	lncRNA	-3.63	1.41E-09	8.41E-07
ENSG00000267354	AC091151.2	18	45507202	45505183	42981	lncRNA-sense intronic	-3.64	1.16E-07	1.93E-05
ENSG00000238120	LINC01589	22	45604432	45605621	1189	lncRNA-antisense	-3.64	1.05E-05	4.29E-04
ENSG00000186440	OR6P1	1	158560606	158570580	9974	protein coding	-3.64	5.39E-07	5.64E-05
ENSG00000285939	AC034268.2	17	53276760	53465634	1088874	lncRNA-antisense	-3.64	1.19E-06	9.64E-05
ENSG00000281386	AP003500.1	11	129591493	129612110	20617	lncRNA	-3.66	3.05E-05	8.68E-04
ENSG00000213921	LEUTX	19	39776595	39786291	9696	protein coding	-3.67	3.83E-05	1.02E-03
ENSG00000234984	FMO10P	1	166665885	166682196	16311	unprocessed pseudogene	-3.67	1.25E-05	4.87E-04
ENSG00000216915	GPR98P	6	27737000	27738494	1494	processed pseudogene	-3.68	2.20E-06	1.50E-04
ENSG00000261250	AL160286.3	1	179543201	179548922	5721	lncRNA-antisense	-3.68	4.92E-07	5.32E-05
ENSG00000236257	EI24P2	1	158454198	158455273	1075	processed pseudogene	-3.69	9.19E-06	3.95E-04
ENSG00000273287	AL008718.2	22	45262273	45263585	1312	lncRNA	-3.69	3.41E-08	8.61E-06
ENSG00000228351	AC018832.1	3	8079322	8125538	46216	lncRNA	-3.70	1.89E-05	6.32E-04
ENSG00000229571	PRAMEF25	1	13068677	13077884	9207	protein coding	-3.71	5.84E-06	2.87E-04
ENSG00000267133	AC011518.1	19	32103154	32106544	3390	lncRNA	-3.72	2.50E-10	2.63E-07
ENSG00000261068	AL512274.1	6	42092233	42094259	2026	lncRNA	-3.73	2.31E-06	1.53E-04
ENSG00000232423	PRAMEF6	1	12938472	12947580	9108	protein coding	-3.73	4.96E-07	5.34E-05
ENSG00000170255	MKGPRX1	11	18933813	18939507	5694	protein coding	-3.77	2.13E-07	3.06E-05
ENSG00000227412	STK33P1	9	85492579	85494094	1515	processed pseudogene	-3.79	5.23E-07	5.50E-05
ENSG00000268101	CYP2G2P	19	41050449	41062444	11995	unprocessed pseudogene	-3.80	8.03E-08	1.48E-05
ENSG00000248717	LINC02222	5	180684766	180686546	1780	lncRNA	-3.80	2.38E-06	1.57E-04
ENSG00000257758	KRT18P20	12	104976749	104978027	1278	processed pseudogene	-3.81	3.99E-07	4.59E-05
ENSG00000225198	SSXP3	X	48156367	48166350	9983	unprocessed pseudogene	-3.81	1.32E-06	1.03E-04
ENSG00000225807	AC098281.1	7	105009416	105025205	10789	lncRNA	-3.82	4.02E-06	2.21E-04
ENSG00000286380	AC084864.2	7	129763060	129769202	6142	lncRNA	-3.82	2.17E-08	6.28E-06
ENSG00000229221	HNRNPA1P66	2	63751697	63752630	933	processed pseudogene	-3.84	8.34E-07	7.65E-05
ENSG00000204481	PRAMEF14	1	13341892	13347134	5242	protein coding	-3.87	8.48E-10	6.17E-07
ENSG00000261741	FRG2KP	16	31563082	31567716	4634	transcribed unprocessed pseudogene	-3.87	4.10E-07	4.66E-05
ENSG00000285945	AC242022.2	1	2768091	2784733	16642	lncRNA	-3.90	4.26E-07	4.78E-05
ENSG00000226812	AL117382.1 (R3HDML-AS1)	20	44347552	44355185	7633	lncRNA-antisense	-3.92	6.08E-07	6.23E-05
ENSG00000203783	PRR9	1	153217584	153219310	1726	protein coding	-3.92	1.55E-07	2.40E-05
ENSG00000188655	RNASE9	14	20556093	20560931	4838	protein coding	-3.93	7.25E-07	6.93E-05
ENSG00000249818	AC097375.2	4	151904932	151928710	23778	lncRNA	-3.94	1.22E-09	7.68E-07
ENSG00000262962	KARS1P3	16	68002432	68004952	2520	unprocessed pseudogene	-3.95	6.51E-07	6.54E-05
ENSG00000227841	MTND5P31	2	201558892	201558265	1373	unprocessed pseudogene	-3.95	9.21E-07	8.11E-05
ENSG00000237613	FAM138A	1	34554	36081	1527	lncRNA	-3.95	7.01E-09	2.80E-06
ENSG00000286324	AL033381.3	6	1111367	1114329	2962	lncRNA	-3.99	8.28E-09	3.20E-06
ENSG00000220248	ZNF402P	22	16857619	16860718	3099	processed pseudogene	-4.01	9.44E-11	1.23E-07
ENSG00000225328	LINC01594	2	108167125	108217886	50761	lncRNA-antisense	-4.03	2.01E-07	2.94E-05
ENSG00000111701	APOBEC1	12	7649400	7665908	16508	protein coding	-4.07	9.47E-08	1.66E-05
ENSG00000279739	AC011369.2	5	168128856	168130422	1566	TEC	-4.07	6.30E-06	3.03E-04
ENSG00000275443	AC012409.2	15	95990582	96300990	310408	lncRNA	-4.08	2.87E-07	3.67E-05
ENSG00000116748	AMPD1	1	114673090	114695618	22528	protein coding	-4.10	1.58E-11	3.99E-08
ENSG00000230051	AL020994.2	22	27331634	27379265	47631	lncRNA	-4.11	2.67E-11	5.63E-08
ENSG00000234020	CHIAP3	1	111353275	111367409	14134	unprocessed pseudogene	-4.13	9.05E-07	8.05E-05
ENSG00000125888	BANF2	20	17693672	17735871	42199	protein coding	-4.23	3.07E-11	5.65E-08
ENSG00000285016	AC017002.3	2	11429324	111699033	269709	lncRNA	-4.24	2.35E-07	3.27E-05
ENSG00000266586	AC091027.2	18	78908629	78918993	10364	lncRNA	-4.28	4.51E-08	1.01E-05
ENSG00000196859	KRT39	17	40958417	40966948	8531	protein coding	-4.65	2.25E-09	1.20E-06
ENSG00000215520	RP54XP4	1	20525989	20526751	762	processed pseudogene	-4.74	4.31E-08	9.91E-06
ENSG00000287171	AC006062.1	X	8487165	8504564	17399	lncRNA	-4.76	1.18E-13	1.32E-09
ENSG00000105398	SULT2A1	19	47870467	47886315	15848	protein coding	-5.02	4.95E-12	1.70E-08

Supplemental Table 5. Differentially expressed transcripts from the whole blood RNA-seq analysis of the anti-Ro positive vs. anti-Ro negative SjD cases

ENSEMBL_GENE_ID	Gene Name	Chr	Chr_Start_position	Chr_end_position	Gene Length	gene_biotype	SjD ^{Ro+} vs. SjD ^{Ro-}		
							Log2FC	pval	padj
ENSG00000165949	IFI27	14	94104836	94116698	11862	protein coding	5.39	3.31E-20	5.97E-16
ENSG00000137959	IFI44L	1	78619922	78646145	26223	protein coding	2.90	4.28E-11	2.26E-07
ENSG00000134321	RSAD2	2	6865806	6898239	32433	protein coding	2.60	4.08E-09	3.68E-06
ENSG00000137965	IFI44	1	78649796	78664078	14282	protein coding	2.44	8.02E-11	2.26E-07
ENSG00000088827	SIGLEC1	20	3686970	3707128	20158	protein coding	2.31	5.78E-11	2.26E-07
ENSG00000184979	USP18	22	1815017	18177397	27227	protein coding	2.31	2.05E-10	4.10E-07
ENSG00000185745	IFIT1	10	89392546	89406487	13941	protein coding	2.21	9.99E-10	1.47E-06
ENSG00000187608	ISG15	1	1001138	1014540	13402	protein coding	2.20	2.34E-09	2.82E-06
ENSG00000228318	AP001610.2	21	41441056	41445708	4652	lncRNA-antisense	2.17	3.01E-06	8.00E-04
ENSG00000160932	LY6E	8	143017982	143023832	5850	protein coding	2.13	1.69E-09	2.18E-06
ENSG00000111331	OAS3	12	112938444	112973251	34807	protein coding	2.08	6.48E-09	4.87E-06
ENSG00000134326	CMPK2	2	6840570	6866635	26065	protein coding	2.04	6.42E-09	4.87E-06
ENSG00000225964	NRIR	2	6819463	6840464	21001	lncRNA-antisense	2.01	8.32E-09	5.26E-06
ENSG00000115155	OTOF	2	26457203	26558756	101553	protein coding	1.98	1.36E-05	2.85E-03
ENSG00000089127	OAS1	12	112906783	112933222	26439	protein coding	1.95	1.00E-10	2.26E-07
ENSG00000177294	FBXO39	17	6776215	6797110	20886	protein coding	1.92	3.66E-05	6.55E-03
ENSG00000138646	HERC5	4	88457119	88506163	49044	protein coding	1.87	5.05E-09	4.34E-06
ENSG00000157601	MX1	21	41420304	41459214	38910	protein coding	1.85	2.29E-08	1.29E-05
ENSG00000257452	AC004551.1	12	112907628	113017751	110123	lncRNA-antisense	1.84	3.60E-05	6.50E-03
ENSG00000126709	IFI6	1	27666064	27672198	6134	protein coding	1.82	1.06E-09	1.47E-06
ENSG00000196565	HBG2	11	5253188	5505605	252417	protein coding	1.80	3.65E-04	4.14E-02
ENSG00000119917	IFIT3	10	89327997	89340971	12974	protein coding	1.76	3.80E-09	3.68E-06
ENSG00000135114	OASL	12	121019111	121039242	20131	protein coding	1.75	4.08E-09	3.68E-06
ENSG00000279296	PRAL	17	6772831	6776116	3285	TEC	1.75	1.02E-05	2.29E-03
ENSG00000196141	SPATS2L	2	200305881	200482264	176383	protein coding	1.75	6.75E-11	2.26E-07
ENSG00000111335	OAS2	12	112978395	113011723	33328	protein coding	1.73	5.24E-10	8.60E-07
ENSG00000240247	DEFA1B	8	6996766	6999195	2429	protein coding	1.73	2.27E-04	2.79E-02
ENSG00000133106	EPST11	13	42886388	42992271	105883	protein coding	1.66	5.18E-07	1.76E-04
ENSG00000132530	XAF1	17	6755447	6775647	20200	protein coding	1.60	2.72E-09	3.06E-06
ENSG00000149131	SERPING1	11	57597387	57619171	21784	protein coding	1.60	6.56E-08	2.82E-05
ENSG00000188290	HES4	1	998962	1000172	1210	protein coding	1.56	3.63E-06	9.24E-04
ENSG00000153721	CNKR3	6	154387515	154510685	123170	protein coding	1.55	1.10E-04	1.60E-02
ENSG00000078081	LAMP3	3	183122215	183163839	41624	protein coding	1.50	7.47E-09	5.18E-06
ENSG00000179750	APOBEC3B	22	38982347	38992804	10457	protein coding	1.47	5.10E-07	1.76E-04
ENSG00000142089	IFITM3	11	319676	327537	7861	protein coding	1.47	1.95E-08	1.18E-05
ENSG00000119922	IFIT2	10	89283694	89309271	25577	protein coding	1.44	7.27E-09	5.18E-06
ENSG00000038945	MSR1	8	16107878	16567490	459612	protein coding	1.43	2.49E-07	9.56E-05
ENSG00000136514	RTP4	3	187368385	187372076	3691	protein coding	1.43	2.06E-08	1.20E-05
ENSG00000137628	DDX60	4	168216294	168318804	102510	protein coding	1.42	5.76E-08	2.60E-05
ENSG00000277511	AC116407.2	17	32127595	32128454	859	lncRNA	1.35	3.99E-08	1.95E-05
ENSG00000223722	IFITM3P2	12	31754720	31755121	401	processed pseudogene	1.33	3.29E-05	6.06E-03
ENSG00000271554	AL138787.2	1	35992109	36013630	21521	lncRNA-antisense	1.27	2.01E-04	2.51E-02
ENSG00000279236	AC064801.2	18	62551203	62552505	1302	TEC	1.26	2.61E-08	1.43E-05
ENSG00000130487	KLHDC7B	22	50545899	50551023	5124	protein coding	1.25	7.90E-09	5.26E-06
ENSG00000175356	SCUBE2	11	9019476	9138114	118638	protein coding	1.23	2.27E-04	2.79E-02
ENSG00000136542	GALNT5	2	157257705	157318491	60786	protein coding	1.22	4.74E-04	5.00E-02
ENSG00000125148	MT2A	16	56608584	56609497	913	protein coding	1.19	9.41E-11	2.26E-07
ENSG00000138642	HERC6	4	88378739	88443097	64358	protein coding	1.18	8.46E-09	5.26E-06
ENSG00000179044	EXOC3L1	16	67184379	67190185	5806	protein coding	1.16	1.73E-04	2.29E-02
ENSG00000110079	MS4A4A	11	60185702	60317944	132242	protein coding	1.16	2.35E-06	6.85E-04
ENSG00000055332	EIF2AK2	2	37099210	37157065	57855	protein coding	1.15	9.28E-11	2.26E-07
ENSG00000185339	TCN2	22	30607003	30627271	20268	protein coding	1.13	3.26E-06	8.40E-04
ENSG00000123689	G0S2	1	209675412	209676390	978	protein coding	1.13	2.07E-04	2.58E-02
ENSG00000185507	IRF7	11	612553	615983	3430	protein coding	1.09	3.97E-09	3.68E-06
ENSG00000188313	PLSCR1	3	146515180	146544856	29676	protein coding	1.08	2.57E-06	7.13E-04
ENSG00000273272	U62317.3	22	50541108	50543011	1903	lncRNA	1.08	3.78E-07	1.37E-04
ENSG00000152778	IFIT5	10	89414568	89420997	6429	protein coding	1.08	9.21E-07	3.02E-04
ENSG0000010030	ETV7	6	36354091	36387800	33709	protein coding	1.08	3.30E-04	3.80E-02
ENSG00000173801	JUP	17	41754604	41786931	32327	protein coding	1.08	1.85E-04	2.38E-02
ENSG00000108679	LGALS3BP	17	78971238	78979947	8709	protein coding	1.07	5.01E-06	1.21E-03
ENSG00000134463	ECHDC3	10	11742366	11764070	21704	protein coding	1.07	3.16E-04	3.73E-02
ENSG00000168062	BATF2	11	64987945	64997018	9073	protein coding	1.07	4.15E-04	4.63E-02
ENSG00000133216	EPHB2	1	22710839	22921500	210661	protein coding	1.06	3.31E-07	1.24E-04
ENSG00000165185	KIAA1958	9	112486827	112669397	182570	protein coding	1.05	6.29E-09	4.87E-06
ENSG00000141664	ZCCHC2	18	62523025	62587709	64684	protein coding	1.04	1.28E-07	5.14E-05
ENSG00000108771	DHX58	17	42101404	42112714	11310	protein coding	1.01	3.35E-08	1.73E-05
ENSG00000202357	Y_RNA	19	11408772	11408880	108	misc RNA	-1.19	1.49E-04	2.05E-02

Supplemental Table 6. Summary report of the differentially expressed transcript biotypes identified in the SJD whole blood RNA-seq analyses

Order	Major Biotype Class	Biotype	All Transcripts	SJD ^{All} vs. HC			SJD ^{Ro+} vs. HC			SJD ^{Ro-} vs. HC		
				DE?	Log2 FC ≥ 1	Log2 FC ≤ -1	DE?	Log2 FC ≥ 1	Log2 FC ≤ -1	DE?	Log2 FC ≥ 1	Log2 FC ≤ -1
1	protein coding	protein coding	18625	1939	79	1860	1060	120	940	2768	33	2735
2	protein coding	IG V gene	124	2	0	2	0	0	0	4	0	4
3	protein coding	TR V gene	98	2	0	2	4	0	4	0	0	0
4	protein coding	IG C gene	13	0	0	0	1	1	0	0	0	0
5	protein coding	TR C gene	6	0	0	0	0	0	0	0	0	0
6	protein coding	TR J gene	69	0	0	0	0	0	0	1	0	1
7	protein coding	IG J gene	7	0	0	0	0	0	0	0	0	0
8	long noncoding	antisense	4231	489	19	470	266	27	239	712	12	700
9	long noncoding	bidirectional promoter lncRNA	82	12	0	12	9	0	9	21	0	21
10	long noncoding	lncRNA	6063	1259	5	1254	639	9	630	1834	4	1830
11	long noncoding	macro lncRNA	1	0	0	0	0	0	0	1	0	1
12	long noncoding	sense intronic	626	35	1	34	17	2	15	48	1	47
13	long noncoding	sense overlapping	122	17	0	17	8	0	8	22	0	22
14	long noncoding	3prime overlapping ncna	11	0	0	0	0	0	0	0	0	0
15	pseudogene	processed pseudogene	3683	281	39	242	159	34	125	413	34	379
16	pseudogene	unprocessed pseudogene	852	93	0	93	46	0	46	150	0	150
17	pseudogene	transcribed unprocessed pseudogene	651	136	1	135	76	1	75	156	0	156
18	pseudogene	pseudogene	4	0	0	0	0	0	0	0	0	0
19	pseudogene	transcribed processed pseudogene	327	37	0	37	17	0	17	52	0	0
20	pseudogene	unitary pseudogene	45	7	0	7	2	0	2	8	0	8
21	pseudogene	polymorphic pseudogene	22	1	0	1	1	0	1	2	0	2
22	pseudogene	IG C pseudogene	7	0	0	0	0	0	0	1	0	1
23	pseudogene	IG J pseudogene	1	0	0	0	0	0	0	0	0	0
24	pseudogene	IG V pseudogene	22	2	0	2	1	0	1	3	0	3
25	pseudogene	TR J pseudogene	3	0	0	0	0	0	0	0	0	0
26	pseudogene	TR V pseudogene	9	0	0	0	0	0	0	0	0	0
27	pseudogene	rRNA pseudogene	33	1	0	1	1	0	1	0	0	0
28	pseudogene	translated processed pseudogene	2	1	0	1	1	0	1	1	0	1
29	pseudogene	transcribed unitary pseudogene	117	32	0	32	13	0	13	41	0	41
30	short noncoding	processed transcript	451	0	0	0	0	0	0	0	0	0
31	short noncoding	miRNA	193	2	0	2	2	0	2	2	0	2
32	short noncoding	misc RNA	319	19	0	19	11	0	11	14	0	14
33	short noncoding	snoRNA	92	2	0	2	6	0	6	1	0	1
34	short noncoding	snRNA	173	3	0	3	3	0	3	0	0	0
35	short noncoding	Mt tRNA	21	0	0	0	0	0	0	0	0	0
36	short noncoding	rRNA	9	1	0	1	0	0	0	1	0	1
37	short noncoding	scaRNA	7	1	0	1	1	0	1	1	0	1
38	short noncoding	Mt rRNA	2	0	0	0	0	0	0	0	0	0
39	To Experimentally Confirm	TEC	719	77	3	74	33	3	30	122	1	121

Supplemental Table 7. Gene Set Enrichment Analysis (GSEA) of differentially expressed transcripts from the SJD-Rov whole blood RNA-seq analysis

Phenotype	NAME	SIZE	ES	NES	NOM p.val (<0.05)	FDR q.val (<0.25)	FWER p.val	RANK AT MAX	LEADING EDGE
SD_pos	REACTOME HEDGEGOFF LIGAND BIOGENESIS	53	0.624248	1.798737	0.01181024	0.05702024	0.396	2201	tags=58%, lat=18%, sgn=11%
SD_pos	REACTOME FGF_EPCIN RECEPTOR_FGFR SIGNALING	53	0.618912	1.7786294	0.01181024	0.05702024	0.473	2790	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME INTERLEUKIN_1_FAMILY_SIGNALING	110	0.551281	1.768017	0.00395369	0.05887072	0.468	2561	tags=59%, lat=22%, sgn=17%
SD_pos	REACTOME DEGRADATION_OF_DNA	49	0.6453299	1.7881805	0.00909609	0.05886867	0.434	2156	tags=63%, lat=18%, sgn=17%
SD_pos	REACTOME ASSEMBLY_OF_THE_PCA_REPLICATIVE_COMPLEX	49	0.6680708	1.7881805	0.00909609	0.05886867	0.43	2156	tags=63%, lat=18%, sgn=17%
SD_pos	REACTOME TRANSCRIPTIONAL_REGULATION_BY_RUNX2	80	0.51688473	1.778793	0.01000193	0.05886867	0.473	2158	tags=50%, lat=19%, sgn=31%
SD_pos	REACTOME APC_C_MEDIATED_DEGRADATION_OF_CELL_CYCLE_PROTEINS	61	0.6296463	1.7880106	0.01935125	0.05891434	0.441	2158	tags=57%, lat=18%, sgn=20%
SD_pos	REACTOME NEGATIVE_REGULATORS_OF_DDX58_IPH1_SIGNALING	24	0.7480767	1.79923	0.00588512	0.05891434	0.480	1841	tags=62%, lat=15%, sgn=23%
SD_pos	REACTOME DNA_REPLICATION_INITIATION	58	0.6178991	1.789384	0.01388968	0.05891434	0.389	2158	tags=62%, lat=18%, sgn=20%
SD_pos	REACTOME S_PHASE	103	0.5244483	1.782898	0.01841749	0.05896996	0.461	2158	tags=50%, lat=18%, sgn=32%
SD_pos	REACTOME PROGRAMMED_CELL_DEATH	150	0.5523763	1.770845	0.02012072	0.05897627	0.485	2258	tags=51%, lat=19%, sgn=30%
SD_pos	REACTOME FORMATION_OF_RNA_POL_II_ELONGATION_COMPLEX	41	0.5981638	1.7293633	0.02949763	0.05897627	0.489	3495	tags=68%, lat=18%, sgn=14%
SD_pos	REACTOME APOPTOSIS	128	0.5435597	1.7738122	0.04045145	0.05894245	0.486	2258	tags=51%, lat=19%, sgn=30%
SD_pos	REACTOME HOST_INTERACTIONS_OF_HIV_FACTORS	87	0.6407756	1.7994806	0.00687894	0.05892987	0.391	2210	tags=57%, lat=18%, sgn=20%
SD_pos	REACTOME SWITCHING_OF_ORIGINS_TO_A_POST_REPLICATIVE_STATE	62	0.6179335	1.7829762	0.01698675	0.06007349	0.459	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME PROCESSING_OF_CAPPED_INTRON_CONTAINING_PRE_MRNA	145	0.6178832	1.7903123	0.01935019	0.06001103	0.43	3022	tags=61%, lat=25%, sgn=14%
SD_pos	REACTOME MRNA_SPLICING	120	0.6392450	1.7924502	0.01754388	0.06005032	0.428	2961	tags=63%, lat=25%, sgn=12%
SD_pos	REACTOME ARF1_INHIB_OF_BIOS_AND_DESTABILIZES_MRNA	49	0.6980788	1.8203854	0.00730793	0.06100493	0.374	2158	tags=67%, lat=18%, sgn=15%
SD_pos	REACTOME CELLULAR_RESPONSE_TO_HYPONIA	62	0.6117208	1.8008915	0.01957707	0.06104932	0.388	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME CELLULAR_RESPONSE_TO_CHEMICAL_STRESS	125	0.5739526	1.8088711	0.00929884	0.06236543	0.373	2322	tags=58%, lat=20%, sgn=21%
SD_pos	REACTOME HIV_LIFE_CYCLE	92	0.5842912	1.8010193	0.00881181	0.06242193	0.387	2841	tags=67%, lat=25%, sgn=8%
SD_pos	REACTOME TRANSCRIPTION_OF_THE_HIV_GENOME	46	0.6073037	1.808296	0.00938192	0.06269166	0.387	2893	tags=61%, lat=25%, sgn=14%
SD_pos	REACTOME RNA_POLYMERASE_II_TRANSCRIPTION_TERMINATION	34	0.6311149	1.7985462	0.01518026	0.06380254	0.389	3438	tags=74%, lat=29%, sgn=103%
SD_pos	REACTOME INTERFERON_GAMMA_SIGNALING	70	0.6829608	1.809548	0.00481533	0.06421038	0.365	1588	tags=64%, lat=13%, sgn=24%
SD_pos	REACTOME ANTIGEN_PROCESSING_AND_CROSS_PPRESENTATION	80	0.6707972	1.811541	0.00607291	0.06502928	0.361	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME MITOTIC_G1_PHASE_AND_G1_S_TRANSITION	94	0.5402374	1.7546182	0.01388968	0.06604638	0.537	2158	tags=50%, lat=18%, sgn=32%
SD_pos	REACTOME REGULATION_OF_RAS_BY_GAPS	54	0.6241239	1.812907	0.00984292	0.0661481	0.365	2158	tags=61%, lat=18%, sgn=24%
SD_pos	REACTOME CYSTIC_FIBROSIS_PATHOGENESIS_ASSOCIATED_DNA	47	0.6151867	1.817878	0.004	0.06681825	0.387	3078	tags=72%, lat=20%, sgn=8%
SD_pos	REACTOME APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_APC_C_CDH1_TARGETED_PROTEINS_IN_LATE_MITOSIS_EARLY_G1	56	0.6318954	1.751767	0.0298368	0.06949533	0.547	2158	tags=57%, lat=18%, sgn=25%
SD_pos	REACTOME STABILIZATION_OF_P53	47	0.650828	1.814378	0.00410622	0.06972687	0.384	2158	tags=62%, lat=18%, sgn=20%
SD_pos	REACTOME DEFECTIVE_CTR_CAUSES_CYSTIC_FIBROSIS	44	0.6478769	1.818484	0.00589484	0.06972687	0.384	2158	tags=62%, lat=18%, sgn=20%
SD_pos	REACTOME REGULATION_OF_P53_STABILITY_AND_ACTIVITY	53	0.6585598	1.8347194	0.00199008	0.06993298	0.3	2265	tags=62%, lat=18%, sgn=24%
SD_pos	REACTOME CROSS_PRESENTATION_OF_SOLUBLE_EXTRINSIC_ANTIGENS_ENDOSOMES	42	0.6817738	1.7484798	0.01616167	0.06993452	0.38	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME ALPHA_DUCTIN_1_SIGNALING	43	0.651297	1.8218824	0.00410622	0.07009377	0.38	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME G2_M_CHECKPOINTS	114	0.5211016	1.7431228	0.02362247	0.07044238	0.517	2388	tags=46%, lat=20%, sgn=34%
SD_pos	REACTOME THE_ROLE_OF_G2_M_PROGRESSION_AFTER_G2_CHECKPOINT	64	0.598683	1.828358	0.01394424	0.07094298	0.371	2158	tags=62%, lat=18%, sgn=20%
SD_pos	REACTOME TRANSCRIPTION_INITIATION	104	0.6416728	1.828358	0.00687894	0.07188128	0.38	2893	tags=61%, lat=25%, sgn=14%
SD_pos	REACTOME DECTIN_1_MEDIATED_NONCANONICAL_NF_KB_SIGNALING	49	0.693962	1.836705	0.001984127	0.07188128	0.38	2158	tags=67%, lat=18%, sgn=15%
SD_pos	REACTOME DEGRADATION_OF_BETA_CATENIN_BY_THE_DESTRUCTION_COMPLEX	64	0.6138355	1.7370591	0.01380679	0.07240236	0.268	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME TERMINATION_OF_TRANSCRIPTION_DNA_SYNTHESIS	47	0.6468282	1.7194868	0.00410622	0.07240236	0.382	1890	tags=61%, lat=18%, sgn=21%
SD_pos	REACTOME ABC_TRANSPORTER_DISORDERS	65	0.5298242	1.715191	0.02995104	0.07270494	0.634	2011	tags=49%, lat=17%, sgn=34%
SD_pos	REACTOME PYROPTOSIS	23	0.6368767	1.713142	0.02028397	0.07318874	0.642	2121	tags=65%, lat=18%, sgn=17%
SD_pos	REACTOME DEGRADATION_OF_AXIN	45	0.6993927	1.8231145	0.00494584	0.0734965	0.386	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME RNA_POLYMERASE_II_TRANSCRIBES_SNRNA_GENES	43	0.6284448	1.7833584	0.00410622	0.0734965	0.387	3078	tags=61%, lat=18%, sgn=24%
SD_pos	REACTOME DNA_REPLICATION	84	0.5383959	1.7182003	0.05087772	0.0734965	0.384	2158	tags=52%, lat=18%, sgn=30%
SD_pos	REACTOME NUCLEOTIDE_EXCISION_REPAIR	60	0.5789713	1.7185148	0.02417604	0.07442385	0.633	2121	tags=68%, lat=18%, sgn=14%
SD_pos	REACTOME REGULATION_OF_RUNX2_EXPRESSION_AND_ACTIVITY	62	0.6121202	1.838961	0.00393334	0.07442385	0.297	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME TRAF6_MEDIATED_NF_KB_ACTIVATION	42	0.5570522	1.7174454	0.01178479	0.07503577	0.629	2216	tags=53%, lat=19%, sgn=28%
SD_pos	REACTOME ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_AND_PEPTIDE_LOADING_OF_CLASS_II_MHC	16	0.7067839	1.7157309	0.00612248	0.07538024	0.633	2448	tags=75%, lat=21%, sgn=4%
SD_pos	REACTOME ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_AND_PEPTIDE_LOADING_OF_CLASS_I_MHC	16	0.6402800	1.7228964	0.00612248	0.07538024	0.619	2310	tags=68%, lat=21%, sgn=11%
SD_pos	REACTOME ABORTIVE_ELONGATION_OF_HIV_1_TRANSCRIPT_IN_THE_ABSENCE_OF_TAT	18	0.6500407	1.717738	0.01574803	0.07574803	0.628	2885	tags=61%, lat=24%, sgn=15%
SD_pos	REACTOME T_CELL_LYMPHOCYTE_RECEPTORS_CLRS	102	0.4928182	1.7235494	0.010121457	0.07633035	0.618	2630	tags=54%, lat=22%, sgn=24%
SD_pos	REACTOME REGULATION_OF_MRNA_STABILITY_BY_PROTEINS_THAT_BIND_AU_RICH_ELEMENTS	66	0.6765213	1.8232988	0.00687894	0.07633035	0.385	2011	tags=61%, lat=18%, sgn=21%
SD_pos	REACTOME GLOBAL_GENOME_NUCLEOTIDE_EXCISION_REPAIR_GG_NER	44	0.5854944	1.714142	0.01093334	0.076924	0.628	1982	tags=62%, lat=17%, sgn=21%
SD_pos	REACTOME TNFR2_NF_KB_PATHWAY	71	0.5315055	1.724138	0.017719536	0.076924	0.615	2390	tags=54%, lat=20%, sgn=26%
SD_pos	REACTOME METABOLISM_OF_POLYAMINES	48	0.6064374	1.7060738	0.026	0.07849755	0.658	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME INTERFERON_ALPHA_BETA_SIGNALING	42	0.6290291	1.7296313	0.00410622	0.07872291	0.38	1588	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME PTEN_REGULATION	97	0.5385978	1.7247919	0.01760988	0.07872291	0.613	2312	tags=47%, lat=19%, sgn=34%
SD_pos	REACTOME ANTIGEN_PRESENTATION_FOLDING_ASSEMBLY_AND_PEPTIDE_LOADING_OF_CLASS_II_MHC	16	0.7631878	1.7162097	0.001992532	0.0772291	0.627	2011	tags=79%, lat=18%, sgn=3%
SD_pos	REACTOME DNA_REPLICATION	84	0.5383959	1.7182003	0.05087772	0.0772291	0.663	2121	tags=52%, lat=18%, sgn=30%
SD_pos	REACTOME TAK1_ACTIVATES_NFKB_BY_PHOSPHORYLATION_AND_ACTIVATION_OF_IKKS_COMPLEX	22	0.6846458	1.8365096	0.001984127	0.07810109	0.265	2448	tags=68%, lat=21%, sgn=11%
SD_pos	REACTOME CLASS_II_MHC_MEDIATED_ANTIGEN_PROCESSING_PRESENTATION	225	0.5055631	1.701931	0.01129032	0.07881036	0.697	2561	tags=62%, lat=22%, sgn=16%
SD_pos	REACTOME RNA_INDEPENDENT_TLR4_CASCADE	47	0.5913988	1.8094874	0.00410622	0.07881036	0.375	3120	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME CRISTAE_FORMATION	18	0.7038237	1.6991198	0.01998471	0.07929125	0.673	714	tags=68%, lat=19%, sgn=13%
SD_pos	REACTOME FORMATION_OF_INCISION_COMPLEX_IN_GG_NER	28	0.61308324	1.8663058	0.01711628	0.07948337	0.68	1965	tags=46%, lat=17%, sgn=37%
SD_pos	REACTOME_NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_NLR_SIGNALING_PATHWAYS	37	0.6478806	1.8924306	0.00613081	0.08051917	0.685	3500	tags=78%, lat=29%, sgn=111%
SD_pos	REACTOME UCH_PROTEASES	68	0.6016059	1.8949999	0.01778148	0.08081103	0.685	2561	tags=62%, lat=22%, sgn=16%
SD_pos	REACTOME MAPK3_MAPK4_SIGNALING	70	0.5108278	1.890558	0.01402987	0.080845	0.687	2158	tags=63%, lat=18%, sgn=19%
SD_pos	REACTOME CYTOTOXICITY_BY_HMOX1	61	0.6021986	1.8914731	0.00410622	0.0811473	0.29	3324	tags=77%, lat=28%, sgn=106%
SD_pos	REACTOME TRANS_GOLGI_NETWORK_VESICLE_BUDDING	52	0.5884149	1.885148	0.00609038	0.084234	0.704	3324	tags=77%, lat=28%, sgn=106%
SD_pos	REACTOME SIGNALING_BY_NOTCH4	67	0.6349566	1.838287	0.00393708	0.08480108	0.289	2961	tags=70%, lat=22%, sgn=8%
SD_pos	REACTOME ASYMMETRIC_LOCALIZATION_OF_RCP_PROTEINS	44	0.6882803	1.8682803	0.00410622	0.08480108	0.377	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME TRANSCRIPTION_COUPLED_NUCLEOTIDE_EXCISION_REPAIR_TC_NER	44	0.598489	1.861371	0.04483431	0.08585508	0.709	3631	tags=68%, lat=31%, sgn=1%
SD_pos	REACTOME TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE	66	0.5729232	1.8784915	0.018	0.08775332	0.728	3178	tags=61%, lat=27%, sgn=12%
SD_pos	REACTOME MRNA_CAPSIN	23	0.6585441	1.8720989	0.00410622	0.08775332	0.38	3480	tags=70%, lat=28%, sgn=2%
SD_pos	REACTOME PHO85_PATHWAY	63	0.6891085	1.8789203	0.01789125	0.0884476	0.288	2885	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME UBI_SPECIFIC_PROCESSING_PROTEASES	138	0.4965885	1.874052	0.02539625	0.0887474	0.738	3500	tags=59%, lat=29%, sgn=13%
SD_pos	REACTOME HEDGEGOFF_ON_STATE	68	0.4785803	1.8771735	0.02115404	0.0887474	0.727	2158	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME MITOTIC_KINASES_AND_ANAPHASE	43	0.469897	1.878242	0.0331384	0.0887474	0.728	2893	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME FORMATION_OF_THE_EARLY_ELONGATION_COMPLEX	24	0.5889187	1.872588	0.03454848	0.08976416	0.728	3480	tags=64%, lat=29%, sgn=7%
SD_pos	REACTOME DDX58_IPH1_MEDIATED_INDUCTION_OF_INTERFERON_ALPHA_BETA	48	0.6884025	1.8400527	0.00885256	0.089825	0.284	2011	tags=63%, lat=21%, sgn=16%
SD_pos	REACTOME SEPARATION_OF_SISTER_CHROMATIDS	62	0.4581202	1.8298943	0.03698864	0.09071477	0.747	2893	tags=60%, lat=18%, sgn=22%
SD_pos	REACTOME HIV_E								

SD	REACTOME_SNRNP_ASSEMBLY	26	0.934534	1.556451	0.061597165	0.13151997	0.914	4363	lga=81%, lat=93%, sgn=128%
SD	REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION	28	0.4359201	1.696977	0.04043369	0.1317447	0.91	2398	lga=41%, lat=20%, sgn=14%
SD	REACTOME_INTERACTIONS_OF_REV_WITH_HOST_CELLULAR_PROTEINS	19	0.6048163	1.5578121	0.06261155	0.13195944	0.91	4299	lga=64%, lat=36%, sgn=132%
SD	REACTOME_REGULATION_OF_EXPRESSION_OF_SLITS_AND_ROBOS	114	0.5811745	1.556639	0.098837945	0.13219477	0.914	2176	lga=57%, lat=18%, sgn=69%
SD	REACTOME_SIMULATION_OF_UBIQUITIN_PATHWAYS	11	0.6032122	1.5481352	0.053653348	0.13232403	0.913	4297	lga=41%, lat=20%, sgn=14%
SD	REACTOME_FCER1_MEDIATED_NF_KB_ACTIVATION	59	0.6965965	1.672055	0	0.13253977	0.91	2271	lga=66%, lat=19%, sgn=15%
SD	REACTOME_TBC_RIBOPAPS	26	0.620234	1.5533301	0.05040328	0.13264577	0.917	1538	lga=48%, lat=13%, sgn=55%
SD	REACTOME_TRANSPORT_OF_THE_SLP_DEPENDANT_MATURE_MRNA	16	0.5718446	1.5510093	0.061098702	0.13264717	0.919	4861	lga=58%, lat=14%, sgn=159%
SD	REACTOME_SIGNALING_BY_CSP3_OR_CSP	148	0.493268	1.5442668	0.05626939	0.13264816	0.92	2151	lga=63%, lat=23%, sgn=62%
SD	REACTOME_IKK_COMPLEX_RECRUITMENT_MEDIATED_BY_RIP1	16	0.67419124	1.5487289	0.042769857	0.13272984	0.922	3028	lga=67%, lat=25%, sgn=85%
SD	REACTOME_DMP2_SIGNALLING	22	0.59227124	1.5491518	0.06768626	0.13280826	0.921	2018	lga=45%, lat=17%, sgn=55%
SD	REACTOME_METALLOPROTEINASE_DUBS	22	0.6169235	1.5484428	0.06265231	0.13281765	0.92	431	lga=69%, lat=36%, sgn=16%
SD	REACTOME_DEREGULATED_CDKs_TRIGGERS_MULTIPLE_NEURODEGENERATIVE_PATHWAYS_IN_ALZHEIMER_S_DISEASE	22	0.6489722	1.5422293	0.067209977	0.1328494	0.928	1848	lga=60%, lat=16%, sgn=71%
SD	REACTOME_CELL_CYCLE	427	0.3849418	1.5414036	0.041019303	0.1328503	0.927	3792	lga=69%, lat=32%, sgn=96%
SD	REACTOME_RHO_GTPASE_CYCLE	23	0.5761145	1.5436294	0.04453444	0.13287193	0.928	2855	lga=65%, lat=25%, sgn=81%
SD	REACTOME_NUCLEAR_IMPORT_OF_REV_PROTEIN	17	0.6126743	1.5381821	0.0651341	0.13290837	0.929	4299	lga=68%, lat=36%, sgn=138%
SD	REACTOME_SIGNALING_BY_CSP3_OR_CSP	27	0.655881	1.5424748	0.049370763	0.13291053	0.928	2151	lga=63%, lat=23%, sgn=62%
SD	REACTOME_FLTS_SIGNALING_IN_DISEASE	25	0.6099731	1.5382752	0.03674847	0.13291192	0.929	3652	lga=64%, lat=31%, sgn=82%
SD	REACTOME_SEMAD1_IN_SEMAPHORIN_SIGNALING	19	0.5728486	1.5397475	0.070564516	0.13293893	0.928	1770	lga=58%, lat=15%, sgn=65%
SD	REACTOME_RHO_GTPASES_ACTIVATE_WASPS_AND_WAVES	29	0.6485039	1.5351984	0.0626	0.13298117	0.931	1756	lga=60%, lat=15%, sgn=61%
SD	REACTOME_CELL_CYCLE_ITO1	3361	0.49119203	1.5397646	0.047388495	0.13298363	0.931	4017	lga=61%, lat=24%, sgn=90%
SD	REACTOME_EPIGENETIC_REGULATION_OF_GENE_EXPRESSION	92	0.47375622	1.5317677	0.056028343	0.13294492	0.933	4042	lga=61%, lat=34%, sgn=101%
SD	REACTOME_INTERLEUKIN_1_SIGNALING	80	0.6222004	1.6777115	0	0.13409283	0.931	2226	lga=63%, lat=20%, sgn=77%
SD	REACTOME_TOLL_LIKE_RECEPTOR_TLR1_TLR2_CASCADE	73	0.5189514	1.5272451	0.10090991	0.13412929	0.928	3170	lga=60%, lat=27%, sgn=66%
SD	REACTOME_NEUTRYLATION	134	0.44322297	1.524827	0.06324111	0.13479314	0.941	2563	lga=46%, lat=22%, sgn=58%
SD	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMOSMOTIC_COUPLING_AND_HEAT_P	84	0.5921234	1.526241	0.11044177	0.13479314	0.94	2024	lga=61%, lat=17%, sgn=73%
SD	REACTOME_DNA_DAMAGE_RECOGNITION_IN_GN_NER	19	0.6284382	1.5254303	0.09836576	0.13474605	0.94	2820	lga=47%, lat=15%, sgn=60%
SD	REACTOME_DEHYDRATATION_DEPENDENT_MRNA_DECAY	29	0.5534059	1.523047	0.054	0.13485632	0.942	3628	lga=66%, lat=30%, sgn=94%
SD	REACTOME_ZBTB_DNA_MEDIATED_INDUCION_OF_TYPE_1_IFNS	15	0.6028878	1.5198355	0.09104363	0.13474605	0.942	3070	lga=72%, lat=37%, sgn=95%
SD	REACTOME_INHIBITION_OF_DNA_RECOMBINATION_AT_TELOMERE	16	0.5118481	1.5178071	0.07474177	0.13478177	0.942	3988	lga=64%, lat=29%, sgn=87%
SD	REACTOME_SIMULATION_OF_SIMULATIONS_PROTEINS	18	0.59543973	1.5179694	0.07993030	0.13478177	0.944	4297	lga=63%, lat=36%, sgn=130%
SD	REACTOME_RECOGNITION_OF_DNA_DAMAGE_BY_PCNA_CONTAINING_REPLICATION_COMPLEX	19	0.630921	1.5136384	0.067451	0.13513742	0.944	1860	lga=47%, lat=15%, sgn=62%
SD	REACTOME_NONHOMOLOGOUS_END_JOINING_NHEJ	43	0.5289577	1.5191063	0.05117125	0.13513742	0.944	3792	lga=60%, lat=27%, sgn=66%
SD	REACTOME_REGULATION_OF_TP53_ACTIVITY	80	0.40289713	1.5127255	0.024655297	0.13520744	0.948	3844	lga=61%, lat=33%, sgn=104%
SD	REACTOME_RAB_REGULATION_OF_TRAFFICKING	70	0.5127484	1.5130343	0.068598114	0.13521127	0.948	2190	lga=47%, lat=15%, sgn=67%
SD	REACTOME_SIMULATION_OF_TRANSCRIPTION_COFACTORS	19	0.5289577	1.5191063	0.05117125	0.13520744	0.948	3792	lga=60%, lat=27%, sgn=66%
SD	REACTOME_CALNEKIN_CALECTININ_CYCLE	18	0.6107228	1.5094091	0.07014028	0.13520744	0.949	3414	lga=68%, lat=29%, sgn=78%
SD	REACTOME_REGULATION_OF_RUNK1_EXPRESSION_AND_ACTIVITY	57	0.69874976	1.6828545	0.003929216	0.13520744	0.949	2114	lga=61%, lat=18%, sgn=72%
SD	REACTOME_DOWNREGULATION_OF_SMD3_3_SMD4_TRANSCRIPTIONAL_ACTIVITY	10	0.5289577	1.5191063	0.05117125	0.13520744	0.949	3170	lga=60%, lat=27%, sgn=66%
SD	REACTOME_FLTS_SIGNALING	26	0.6107713	1.5031916	0.06984362	0.13520744	0.952	3953	lga=73%, lat=33%, sgn=109%
SD	REACTOME_SIMULATION_OF_MITOTIC_CELL_CYCLE	109	0.42613244	1.4992988	0.03937008	0.13524598	0.954	2271	lga=39%, lat=19%, sgn=48%
SD	REACTOME_DISEASES_OF_MITOTIC_CELL_CYCLE	21	0.5291782	1.4997332	0.0658676	0.13524598	0.952	3890	lga=70%, lat=35%, sgn=113%
SD	REACTOME_CYTOSOLIC_RNA_AMINOACIDYL_TRANSFERASE	27	0.6213347	1.4939717	0.13271881	0.13524598	0.952	4411	lga=69%, lat=37%, sgn=116%
SD	REACTOME_POSITIVE_EPIGENETIC_REGULATION_OF_RRNA_EXPRESSION	67	0.5004725	1.488282	0.08414873	0.13524598	0.952	3959	lga=63%, lat=34%, sgn=105%
SD	REACTOME_RHOH_GTPASE_CYCLE	24	0.5717578	1.48677	0.08711429	0.13524598	0.953	3052	lga=67%, lat=29%, sgn=85%
SD	REACTOME_ROLE_OF_NER_IN_I_REPLICATION_AND_DISEASE_PATHOGENESIS	14	0.6104631	1.4817474	0.08103763	0.13524598	0.953	3152	lga=64%, lat=30%, sgn=90%
SD	REACTOME_INTERACTIONS_OF_VPR_WITH_HOST_CELLULAR_PROTEINS	15	0.5787662	1.488841	0.07581584	0.13524598	0.951	4297	lga=60%, lat=36%, sgn=125%
SD	REACTOME_CYCLIN_D_ASSOCIATED_EVENTS_IN_G1	29	0.4833656	1.4851555	0.04230794	0.13524598	0.953	3637	lga=66%, lat=31%, sgn=104%
SD	REACTOME_NUCLEAR_PORE_COMPLEX_ASSEMBLY	13	0.6352788	1.4981653	0.04916253	0.13524598	0.953	5202	lga=100%, lat=100%, sgn=100%
SD	REACTOME_TOLL_LIKE_RECEPTOR_CASCADES	110	0.4821618	1.4897239	0.11826563	0.13524598	0.951	3170	lga=55%, lat=27%, sgn=75%
SD	REACTOME_DISEASES_OF_SIGNAL_TRANSDUCTION_BY_GROWTH_FACTOR_RECEPTORS_AND_SECOND_MESSENGER	277	0.37775965	1.489818	0.06187625	0.13524598	0.951	2837	lga=48%, lat=24%, sgn=62%
SD	REACTOME_SIGNALING_BY_NOTCH	169	0.42629063	1.4778658	0.06048367	0.13524598	0.952	3790	lga=62%, lat=32%, sgn=96%
SD	REACTOME_DOWNREGULATION_OF_TGF_BETA_RECEPTOR_SIGNALING	16	0.5820201	1.4789809	0.0761523	0.13524598	0.952	4433	lga=69%, lat=36%, sgn=108%
SD	REACTOME_MITOTIC_PROPHASE	87	0.4711192	1.467576	0.0626719	0.13524598	0.958	4541	lga=72%, lat=37%, sgn=116%
SD	REACTOME_DNA_POLYMERASE_I_TRANSCRIPTION	16	0.5990276	1.4717474	0.1037192	0.13524598	0.958	3890	lga=64%, lat=30%, sgn=90%
SD	REACTOME_TRANSCRIPTIONAL_REGULATION_BY_VENTX	25	0.4678163	1.467366	0.08472112	0.13524598	0.958	3444	lga=72%, lat=35%, sgn=107%
SD	REACTOME_EPHI_EPHRIN_SIGNALING	68	0.44173482	1.4702627	0.11895161	0.13524598	0.958	1756	lga=43%, lat=15%, sgn=67%
SD	REACTOME_SARS_COV_INFECTIONS	103	0.4511169	1.4652627	0.08109911	0.13524598	0.958	4122	lga=61%, lat=30%, sgn=94%
SD	REACTOME_MITOPHAGY	22	0.5135543	1.4690455	0.0640535	0.13524598	0.958	3954	lga=68%, lat=33%, sgn=102%
SD	REACTOME_INSULIN_RECEPTOR_RECYCLING	18	0.5634182	1.4669967	0.06875	0.13524598	0.958	1296	lga=44%, lat=11%, sgn=50%
SD	REACTOME_ROLE_OF_SARS_ANTERIORLYNPH_TRANSPORT	45	0.3941148	1.4576921	0.07753795	0.13524598	0.958	3184	lga=60%, lat=29%, sgn=86%
SD	REACTOME_TGF_BETA_RECEPTOR_SIGNALING_ACTIVATES_SMD3	20	0.5861491	1.4636776	0.08333336	0.13524598	0.957	4331	lga=70%, lat=36%, sgn=110%
SD	REACTOME_G2_M_DNA_DAMAGE_CHECKPOINT	63	0.45759758	1.4628849	0.086538464	0.13524598	0.957	3790	lga=56%, lat=32%, sgn=94%
SD	REACTOME_REGULATION_OF_HMOX1_EXPRESSION_AND_ACTIVITY	58	0.7047213	1.686605	0.0170734	0.13524598	0.958	1296	lga=44%, lat=11%, sgn=50%
SD	REACTOME_SEMAD1_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_COLLAPSE	16	0.5811996	1.4592971	0.10141868	0.13524598	0.957	1770	lga=58%, lat=15%, sgn=65%
SD	REACTOME_TRANSCRIPTIONAL_REGULATION_BY_SMALL_RNAs	67	0.48962325	1.4534575	0.10114554	0.13524598	0.972	4297	lga=69%, lat=36%, sgn=125%
SD	REACTOME_EPHB_MEDIATED_FORWARD_SIGNALING	34	0.48840524	1.4538511	0.13963309	0.13524598	0.972	1756	lga=40%, lat=15%, sgn=62%
SD	REACTOME_ENDOSOMAL_SORTING_REQUIRED_FOR_TRANSPORT_ESORT	41	0.5827895	1.454194	0.09699494	0.13524598	0.972	2190	lga=47%, lat=15%, sgn=67%
SD	REACTOME_BUDGING_AND_MATURATION_OF_HIV_VIRION	25	0.583134	1.4591895	0.10620448	0.13524598	0.972	2190	lga=47%, lat=15%, sgn=67%
SD	REACTOME_SIGNALING_BY_INTERFERON_ALPHA	22	0.58887285	1.4560434	0.096114518	0.13524598	0.972	3288	lga=64%, lat=28%, sgn=88%
SD	REACTOME_SIGNALING_BY_INTERFERON_BETA	22	0.58887285	1.4560434	0.096114518	0.13524598	0.972	3288	lga=64%, lat=28%, sgn=88%
SD	REACTOME_LYSOSOMAL_VESICLE_BIOGENESIS	24	0.54278713	1.4543027	0.09455995	0.13524598	0.972	3508	lga=75%, lat=39%, sgn=103%
SD	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION	67	0.4698437	1.4547313	0.10518292	0.13524598	0.972	3950	lga=60%, lat=34%, sgn=99%
SD	REACTOME_G_PROTEIN_BETA_GAMMA_SIGNALING	24	0.5429983	1.4561721	0.10691824	0.13524598	0.972	2190	lga=47%, lat=15%, sgn=67%
SD	REACTOME_SMOOTH_MUSCLE_CONTRACTION	17	0.5194085	1.4584707	0.10041841	0.13524598	0.972	2871	lga=61%, lat=30%, sgn=94%
SD	REACTOME_RESPIRATORY_ELECTRON_TRANSPORT	68	0.5664569	1.4464306	0.14428588	0.13524598	0.972	2024	lga=59%, lat=17%, sgn=75%
SD	REACTOME_RAC2_GTPASE_CYCLE	58	0.4499902	1.446821	0.11789818	0.13524598	0.974	2190	lga=49%, lat=17%, sgn=75%
SD	REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS	46	0.4898992	1.4549433	0.097139	0.13524598	0.974	3790	lga=63%, lat=32%, sgn=96%
SD	REACTOME_MMUNOREGULATORY_INTERACTIONS_BETWEEN_A_LYMPHOID_AND_A_NON_LYMPHOID_CELL	93	0.40947132	1.4471848	0.08653104	0.13524598	0.974	1284	lga=30%, lat=11%, sgn=51%
SD	REACTOME_COSMETIC_REGULATION_BY_THE_CD38_FAMILY	42	0.460478	1.4447588	0.091199	0.13524598	0.974	2720	lga=55%, lat=23%, sgn=71%
SD	REACTOME_DNA_REPAIR	103	0.4511169	1.4652627	0.08109911	0.13524598	0.974	3790	lga=60%, lat=27%, sgn=66%
SD	REACTOME_POTENTIAL_THERAPEUTICS_FOR_SARS	58	0.4614867	1.473531	0.08414873	0.13524598	0.974	3884	lga=69%, lat=33%, sgn=102%
SD	REACTOME_INFLUENZA_INFECTION	85	0.5952893	1.4422428	0.1738791	0.13524598	0.974	2167	lga=49%, lat=18%, sgn=69%
SD									

SD	REACTOME	ALTOPHAGY	604	0.36789589	1.352415	0.18433454	0.27329256	0.994	3646	tags=56%, lat=31%, sph=40%
SD	REACTOME	NUCLEAR ENVELOPE BREAKDOWN	604	0.440491	0.7447019	0.18433454	0.27329256	0.994	4297	tags=72%, lat=31%, sph=40%
SD	REACTOME	TRANSCRIPTION OF SARS COV 2 STRUCTURAL PROTEINS	26	0.49264698	1.529211	0.18227181	0.2742907	0.994	1308	tags=31%, lat=11%, sph=44%
SD	REACTOME	DISEASES OF IMMUNE SYSTEM	20	0.59826294	1.3207543	0.22042629	0.27486745	0.994	1468	tags=50%, lat=12%, sph=47%
SD	REACTOME	REGULATION OF CD28, PHLY, AND TRIC CCT IN G. PROTEIN BETA FOLDING	38	0.40298173	1.325257	0.19312841	0.27492481	0.994	2900	tags=62%, lat=31%, sph=48%
SD	REACTOME	SARS COV 1 INFECTION	38	0.44141193	1.3218557	0.18227181	0.2752518	0.994	3648	tags=61%, lat=31%, sph=48%
SD	REACTOME	INFECTION WITH MYCOBACTERIUM TUBERCULOSIS	21	0.5058844	1.3189916	0.19839279	0.27719639	0.994	2416	tags=43%, lat=20%, sph=44%
SD	REACTOME	CDP MEDIATED ACTIVATION CASCADE	28	0.505881	1.3147485	0.2131148	0.27750425	0.994	2748	tags=60%, lat=20%, sph=46%
SD	REACTOME	REGULATION OF SIGN SIGNALING	26	0.4832923	1.3152814	0.18181819	0.27863224	0.994	2416	tags=60%, lat=20%, sph=46%
SD	REACTOME	THROMBOXANE SIGNALING THROUGH TP RECEPTOR	18	0.48712402	1.3182528	0.1863113	0.27997273	0.994	2900	tags=62%, lat=24%, sph=47%
SD	REACTOME	MITOCHONDRIAL FATTY ACID BETA OXIDATION	21	0.42642028	1.3118488	0.14003844	0.2812862	0.994	1910	tags=43%, lat=16%, sph=45%
SD	REACTOME	HR THROUGH SINGLE STRAND ANNEALING SSA	60	0.39891246	1.3087263	0.18668922	0.2848622	0.995	2386	tags=60%, lat=20%, sph=46%
SD	REACTOME	FGFR2 ALTERNATIVE SPLICING	19	0.46816129	1.3058388	0.1803216	0.28500147	0.995	2883	tags=58%, lat=24%, sph=47%
SD	REACTOME	TRANSCRIPTIONAL ACTIVITY OF SMAD3 SMAD3 SMAD1 HETEROTRIMER	24	0.49015665	1.3071024	0.1812977	0.28530976	0.995	4120	tags=71%, lat=35%, sph=48%
SD	REACTOME	H2AK5 DEACETYLASE HISTONES	50	0.42714469	1.3058411	0.18105599	0.2868935	0.995	4087	tags=64%, lat=34%, sph=49%
SD	REACTOME	ROS AND RNPS PRODUCTION IN PHAGOCYTES	28	0.46332276	1.3044462	0.20212767	0.28858043	0.995	1744	tags=49%, lat=15%, sph=48%
SD	REACTOME	UNFOLDED PROTEIN RESPONSE UPR	58	0.37553125	1.2988612	0.13991547	0.2886672	0.997	3648	tags=57%, lat=31%, sph=48%
SD	REACTOME	OXIDATIVE STRESS INDUCED SENSENCE	78	0.4553788	1.3023981	0.20769129	0.28972245	0.998	3950	tags=59%, lat=34%, sph=49%
SD	REACTOME	HCMV LATE EVENTS	71	0.4383715	1.3028375	0.2027833	0.2896977	0.998	4297	tags=65%, lat=36%, sph=49%
SD	REACTOME	NUCLEAR ENVELOPE RE-ASSEMBLY	42	0.3646377	1.3009410	0.14570858	0.28711608	0.997	4297	tags=67%, lat=36%, sph=49%
SD	REACTOME	TP53 REGULATES TRANSCRIPTION OF CELL CYCLE GENES	25	0.41065065	1.3002180	0.17092338	0.28774932	0.998	3648	tags=60%, lat=20%, sph=49%
SD	REACTOME	INTERLEUKIN 2 FAMILY SIGNALING	35	0.4297555	1.3009137	0.20265869	0.28781384	0.998	3950	tags=69%, lat=33%, sph=49%
SD	REACTOME	CONSTITUTIVE SIGNALING BY LIGAND RESPONSIVE EGFR CANCER VARIANTS	17	0.47204804	1.2922835	0.158	0.28784126	0.998	3950	tags=65%, lat=33%, sph=49%
SD	REACTOME	CELLULAR RESPONSE TO HEAT STRESS	55	0.3688158	1.2929049	0.15186861	0.2880138	0.998	3000	tags=49%, lat=25%, sph=49%
SD	REACTOME	TRANSCRIPTIONAL REGULATION OF WHITE ADIPOCYTE DIFFERENTIATION	64	0.3782957	1.2929105	0.18486173	0.288891	0.998	3027	tags=65%, lat=25%, sph=49%
SD	REACTOME	RESPONSE OF EIP2AK4 G2C3 TO AMINO ACID DEFICIENCY	58	0.6184406	1.2931485	0.1308796	0.2894589	0.998	2116	tags=64%, lat=18%, sph=47%
SD	REACTOME	RNA POLYMERASE I PROMOTER ESCAPE	68	0.43327698	1.2949992	0.18834952	0.28927274	0.998	3950	tags=65%, lat=34%, sph=49%
SD	REACTOME	TRANSCRIPTIONAL REGULATION OF GRANULOPOIESIS	64	0.45272683	1.2952066	0.18486173	0.28965925	0.998	3950	tags=65%, lat=34%, sph=49%
SD	REACTOME	TRANSPORT TO THE GOLGI AND SUBSEQUENT MODIFICATION	114	0.3189138	1.2934607	0.15193443	0.2900054	0.998	3108	tags=48%, lat=26%, sph=49%
SD	REACTOME	RHO GTPASES ACTIVATE FORMINS	81	0.3221738	1.2960738	0.1328125	0.29016116	0.998	2855	tags=43%, lat=24%, sph=46%
SD	REACTOME	FGMD MEDIATED TRANSCRIPTION	40	0.3603045	1.293899	0.16513484	0.29029252	0.998	1592	tags=40%, lat=11%, sph=43%
SD	REACTOME	DETOXIFICATION OF REACTIVE OXYGEN SPECIES	25	0.43820293	1.2892046	0.2031077	0.29049259	0.998	2386	tags=60%, lat=20%, sph=46%
SD	REACTOME	CLATHRIN MEDIATED ENDOCYTOSIS	97	0.3732548	1.2885111	0.2054397	0.29333903	0.998	3188	tags=49%, lat=27%, sph=47%
SD	REACTOME	PKM1 PRM1 MEDIATED ENDOCYTOSIS	17	0.48579243	1.284411	0.18897538	0.29400078	0.998	3954	tags=60%, lat=20%, sph=47%
SD	REACTOME	SARS COV 2 INFECTION	64	0.4101546	1.284791	0.2029412	0.29192702	0.998	4086	tags=60%, lat=20%, sph=47%
SD	REACTOME	BETA GAMMA GANGLIOSIDIN THROUGH PI3K/AMPA	18	0.47519255	1.2780773	0.19213974	0.29818042	0.998	2900	tags=58%, lat=24%, sph=47%
SD	REACTOME	SPF DEPENDENT CONTRACTIONS PROTEIN TARGETING TO MEMBRANE	63	0.5999101	1.2774438	0.30815534	0.3000706	0.998	2234	tags=57%, lat=19%, sph=40%
SD	REACTOME	SECRETORY PHENOTYPE SAMP	64	0.41210288	1.2743693	0.2029412	0.3000706	0.998	2234	tags=57%, lat=19%, sph=40%
SD	REACTOME	ALPHA ACTIVATION BY IPX2	41	0.3834194	1.2778908	0.1614786	0.30033126	0.998	2700	tags=63%, lat=31%, sph=49%
SD	REACTOME	DISORDERS OF TRANSMEMBRANE TRANSPORTERS	120	0.30081573	1.2728613	0.14541833	0.3004021	0.998	2168	tags=54%, lat=18%, sph=41%
SD	REACTOME	TP53 REGULATES TRANSCRIPTION OF CELL DEATH GENES	64	0.4077959	1.2749022	0.18486173	0.3004021	0.998	3748	tags=60%, lat=20%, sph=47%
SD	REACTOME	SIGNALING BY VEGF	72	0.36292747	1.2762038	0.22379032	0.30072938	0.998	3054	tags=58%, lat=26%, sph=49%
SD	REACTOME	HSP1 ACTIVATION	17	0.44810823	1.2746028	0.20081967	0.3009599	0.998	1688	tags=41%, lat=14%, sph=45%
SD	REACTOME	GROWTH HORMONE RECEPTOR SIGNALING	18	0.58416393	1.2687268	0.24688192	0.3054842	0.998	2500	tags=60%, lat=21%, sph=49%
SD	REACTOME	DISEASES OF PROGRAMMED CELL DEATH	63	0.41019621	1.2693221	0.20264881	0.30688134	0.998	2900	tags=60%, lat=20%, sph=47%
SD	REACTOME	THROMBIN SIGNALING THROUGH PROTEINACTIVATED RECEPTORS PAIRS	24	0.44172894	1.2698822	0.20268333	0.30748004	0.998	2950	tags=64%, lat=25%, sph=49%
SD	REACTOME	SIGNALING BY RHO GTPASES MRG, GTPASES AND RHOBTS	453	0.30589023	1.2663268	0.20121191	0.30775422	0.998	3700	tags=64%, lat=23%, sph=49%
SD	REACTOME	DNA DOUBLE STRAND BREAK REPAIR	41	0.45818725	1.2635553	0.17831273	0.30781523	0.998	3700	tags=64%, lat=23%, sph=49%
SD	REACTOME	NOTCH2 ACTIVATION AND TRANSMISSION OF SIGNAL TO THE NUCLEUS	19	0.45818725	1.2635553	0.20382166	0.30908887	0.998	2531	tags=65%, lat=21%, sph=46%
SD	REACTOME	PERK REGULATES GENE EXPRESSION	22	0.43100274	1.2607995	0.21541502	0.31020465	0.998	2761	tags=48%, lat=23%, sph=42%
SD	REACTOME	ADP SIGNALING THROUGH ZYV PUNCTORIP 12	25	0.45525197	1.2608611	0.20268333	0.31020465	0.998	2900	tags=60%, lat=20%, sph=47%
SD	REACTOME	ACTIVATION OF GENE EXPRESSION BY SREBF SREBP	25	0.4598083	1.2584117	0.22088953	0.31090565	0.998	2900	tags=65%, lat=34%, sph=49%
SD	REACTOME	INTERLEUKIN 37 SIGNALING	41	0.4417947	1.257138	0.19096590	0.31120935	0.998	2482	tags=65%, lat=21%, sph=48%
SD	REACTOME	CDP MEDIATED ANTIGENIC TRANSPORT	65	0.33802862	1.2568589	0.17746538	0.31124454	0.998	3188	tags=46%, lat=16%, sph=43%
SD	REACTOME	INTERLEUKIN 3 INTERLEUKIN 5 AND GM-CSF SIGNALING	31	0.46731174	1.2534688	0.28971688	0.31484433	0.998	2900	tags=60%, lat=20%, sph=47%
SD	REACTOME	INTRACELLULAR GOLGI AND RETROGRADE GOLGI TO ER TRAFFIC	124	0.3018455	1.2473068	0.1734104	0.31497113	0.999	2261	tags=35%, lat=19%, sph=42%
SD	REACTOME	RHOQ GTPASE CYCLE	38	0.42276682	1.2476276	0.2307618	0.31540737	0.999	2842	tags=60%, lat=22%, sph=47%
SD	REACTOME	CRICKMAN CLOCK	41	0.42933503	1.2458682	0.23282142	0.31540737	0.999	3786	tags=60%, lat=22%, sph=47%
SD	REACTOME	RHOJ GTPASE CYCLE	32	0.43575332	1.2472026	0.28977688	0.31615864	0.999	2553	tags=64%, lat=21%, sph=47%
SD	REACTOME	SIGNALING BY SCF KIT	33	0.44216877	1.2440375	0.28123232	0.31629413	0.999	2794	tags=65%, lat=23%, sph=47%
SD	REACTOME	DNA DAMAGE TELOMERE STRESS INDUCED SENSENCE	64	0.4198181	1.2451111	0.24511111	0.31652621	0.999	3950	tags=65%, lat=23%, sph=47%
SD	REACTOME	PLATELET ACTIVATION SIGNALING AND AGGREGATION	188	0.3548197	1.2478577	0.28254583	0.31885707	0.999	2818	tags=49%, lat=24%, sph=48%
SD	REACTOME	VEGF2 MEDIATED VASCULAR PERMEABILITY	17	0.43421066	1.2511388	0.21836739	0.31701845	0.999	1788	tags=47%, lat=15%, sph=40%
SD	REACTOME	ONCOGENIC MARK SIGNALING	64	0.37510288	1.2461818	0.24618181	0.31729049	0.999	2168	tags=50%, lat=19%, sph=43%
SD	REACTOME	SELENOAMINO ACID METABOLISM	60	0.50120238	1.2479429	0.33655708	0.31760338	0.999	2171	tags=65%, lat=19%, sph=47%
SD	REACTOME	SIGNALING BY KIT IN DISEASE	16	0.4716057	1.2491513	0.22312373	0.31784668	0.999	2123	tags=50%, lat=23%, sph=45%
SD	REACTOME	NRH3 NRH2 REGULATE GENE EXPRESSION LINKED TO CHOLESTEROL TRANSPORT AND EFFLUX	21	0.47054395	1.2498418	0.2854743	0.31814528	0.998	2537	tags=57%, lat=21%, sph=47%
SD	REACTOME	ERCC8 CSB AND EHM2 GSA POSITIVELY REGULATED RNA EXPRESSION	49	0.44948412	1.2394274	0.23868877	0.32116244	0.998	2900	tags=61%, lat=34%, sph=49%
SD	REACTOME	SIGNALING BY FGFR IN DISEASE	48	0.31810874	1.2379657	0.13097712	0.32135192	0.998	2223	tags=50%, lat=19%, sph=43%
SD	REACTOME	INTERCONVERSION OF FOLATE D1 AND TRIPHOSPHATES	64	0.43882962	1.2363036	0.18486173	0.32142304	0.998	2900	tags=60%, lat=20%, sph=47%
SD	REACTOME	ESTROGEN DEPENDENT GENE EXPRESSION	99	0.3768874	1.2367968	0.208	0.32194018	0.998	3950	tags=59%, lat=34%, sph=49%
SD	REACTOME	SIGNALING BY NOTCH1	50	0.4034768	1.2360277	0.23277044	0.3219761	0.998	2804	tags=62%, lat=24%, sph=48%
SD	REACTOME	SIGNALING BY NOTCH2	41	0.41671388	1.2348272	0.20268333	0.32198813	0.998	2900	tags=60%, lat=20%, sph=47%
SD	REACTOME	HATS ACETYLATE HISTONES	73	0.4258798	1.2322288	0.3954321	0.32405016	0.998	3950	tags=65%, lat=34%, sph=49%
SD	REACTOME	SELECTIVE AUTOPHAGY	59	0.3352123	1.2324318	0.18486173	0.32468102	0.998	3188	tags=47%, lat=28%, sph=44%
SD	REACTOME	HOMOLOGOUS DNA REPAIR AND STRAND EXCHANGE	23	0.41937688	1.2304715	0.25995991	0.3255199	0.998	2386	tags=48%, lat=20%, sph=46%
SD	REACTOME	EUKARYOTIC TRANSCRIPTION INITIATION	25	0.42891174	1.2286811	0.20268333	0.32593063	0.998	3000	tags=60%, lat=20%, sph=47%
SD	REACTOME	REGULATION OF HSP MEDIATED HEAT SHOCK RESPONSE	46	0.38718476	1.2278823	0.20887449	0.32684566	0.998	3000	tags=48%, lat=25%, sph=47%
SD	REACTOME	SIGNALING BY TGF BETA RECEPTOR COMPLEX	45	0.3991098	1.2259012	0.20201513	0.33187488	0.999	4120	tags=67%, lat=31%, sph=49%
SD	REACTOME	REGULATION OF SIGNALING BY OR	21	0.41937688	1.2222716	0.20268333	0.33187488	0.999	3950	tags=60%, lat=20%, sph=47%
SD	REACTOME	ESR MEDIATED SIGNALING	141	0.33481038	1.2211289	0.24118812	0.3327141	0.999	3950	

SD	REACTOME	REACTOME	ATF4 ACTIVATES GENES IN RESPONSE TO ENDOPLASMIC RETICULUM STRESS	21	0.35880099	1.0465241	0.6029218	0.4914855	-	2761	beta=43%,	lat=23%,	sgn=46%	
SD	REACTOME	REACTOME	PROTEIN LOCALIZATION	61	0.3172911	0.9861989	0.4830918	0.3661989	-	2693	beta=45%,	lat=24%,	sgn=44%	
SD	REACTOME	REACTOME	EPHA MEDIATED GROWTH CONE COLLAPSE	81	0.2951867	1.038655	0.4178218	0.5012685	-	281	beta=37%,	lat=24%,	sgn=39%	
SD	REACTOME	REACTOME	SIGNALING BY MODERATE KINASE ACTIVITY BRAF MUTANTS	20	0.3368378	1.0383059	0.4049092	0.502363	-	1549	beta=30%,	lat=18%,	sgn=44%	
SD	REACTOME	REACTOME	COPII INDEPENDENT GOLGI TO ER RETROGRADE TRAFFIC	39	0.2596357	1.0341433	0.4232525	0.5051396	-	2834	beta=49%,	lat=28%,	sgn=43%	
SD	REACTOME	REACTOME	SIGNALING BY EGFR IN CANCER	21	0.3291352	1.034175	0.4188387	0.5026204	-	3959	beta=57%,	lat=33%,	sgn=48%	
SD	REACTOME	REACTOME	POLYMERASE SWITCHING ON THE C STRAND OF THE TELOMERE	15	0.3603475	1.034473	0.4088176	0.5059555	-	2481	beta=52%,	lat=24%,	sgn=47%	
SD	REACTOME	REACTOME	RHO GTPASE CYCLE	48	0.3190704	1.032231	0.4139243	0.5059484	-	2813	beta=54%,	lat=24%,	sgn=47%	
SD	REACTOME	REACTOME	ACTIVATION OF THE MRNA UPON BINDING OF THE CAP BINDING COMPLEX AND EIFS AND SUBSE	32	0.4697172	1.025591	0.4818477	0.5100245	-	1	2270	beta=59%,	lat=19%,	sgn=45%
SD	REACTOME	REACTOME	QUANT BINDING TO GSS	32	0.3345476	1.027014	0.418	0.5100993	-	1	1550	beta=59%,	lat=13%,	sgn=49%
SD	REACTOME	REACTOME	ACTIVATION OF PRELIFIN AND TRIC CCT IN ACTIN AND TUBULIN FOLDING	19	0.3601598	1.0262879	0.4233008	0.5106141	-	2055	beta=57%,	lat=17%,	sgn=44%	
SD	REACTOME	REACTOME	TELOMERE C STRAND LAGGING STRAND SYNTHESIS	19	0.3601598	1.0262879	0.4233008	0.5106141	-	2055	beta=57%,	lat=17%,	sgn=44%	
SD	REACTOME	REACTOME	IRE1ALPHA ACTIVATES CHAPERONES	28	0.3284889	1.022938	0.4682587	0.5114768	-	3813	beta=59%,	lat=32%,	sgn=46%	
SD	REACTOME	REACTOME	TRNA PROCESSING	41	0.3193549	1.022411	0.4243919	0.5125232	-	4411	beta=59%,	lat=37%,	sgn=49%	
SD	REACTOME	REACTOME	INTERLEUKIN RECEPTOR SHC SIGNALING	21	0.3913237	1.0186801	0.4415325	0.5169886	-	3852	beta=67%,	lat=31%,	sgn=49%	
SD	REACTOME	REACTOME	INTERLEUKIN 20 FAMILY SIGNALING	19	0.3107782	1.018945	0.43084183	0.51756245	-	3609	beta=63%,	lat=30%,	sgn=49%	
SD	REACTOME	REACTOME	ACTIVATION OF GRANATE RECEPTORS UPON GLUTAMATE BINDING	21	0.3232313	1.0154461	0.41888778	0.5210887	-	290	beta=19%,	lat=6%,	sgn=21%	
SD	REACTOME	REACTOME	PRC2 METHYLATES HISTONES AND DNA	47	0.3658888	1.011003	0.4334601	0.5253387	-	4024	beta=55%,	lat=34%,	sgn=43%	
SD	REACTOME	REACTOME	NEGATIVE REGULATION OF MET ACTIVITY	18	0.3784641	1.0076357	0.458	0.5289784	-	2643	beta=44%,	lat=22%,	sgn=47%	
SD	REACTOME	REACTOME	FORMATION OF THE BETA CATENIN TCF TRANSACTIVATING COMPLEX	60	0.3437273	1.004489	0.4530383	0.5324962	-	3990	beta=52%,	lat=24%,	sgn=49%	
SD	REACTOME	REACTOME	PI3K NTR RECEPTOR MEDIATED SIGNALING	75	0.2951918	1.0099044	0.4508559	0.5418955	-	3810	beta=49%,	lat=16%,	sgn=44%	
SD	REACTOME	REACTOME	METABOLISM OF NUCLEOTIDES	54	0.2704548	0.99143684	0.44320897	0.5483841	-	2775	beta=35%,	lat=23%,	sgn=46%	
SD	REACTOME	REACTOME	NTRH2 AND NTRH3 MEDIATED SIGNALING	28	0.3372708	0.9824488	0.47095438	0.5598836	-	2537	beta=50%,	lat=21%,	sgn=45%	
SD	REACTOME	REACTOME	SIGNALING BY EGFR	39	0.2898301	0.9789919	0.4490292	0.564205	-	2750	beta=46%,	lat=25%,	sgn=49%	
SD	REACTOME	REACTOME	INTERLEUKIN 4 AND INTERLEUKIN 13 SIGNALING	84	0.2656475	0.971283	0.4802096	0.5649195	-	3207	beta=59%,	lat=25%,	sgn=49%	
SD	REACTOME	REACTOME	ROLE OF PHOSPHOLIPIDS IN PHAGOCYTOSIS	16	0.388112	0.9661288	0.4899905	0.5727029	-	4026	beta=60%,	lat=34%,	sgn=51%	
SD	REACTOME	REACTOME	ACTIVATION OF GRANATE RECEPTORS UPON GLUTAMATE BINDING	21	0.3232313	1.0154461	0.41888778	0.5210887	-	290	beta=19%,	lat=6%,	sgn=21%	
SD	REACTOME	REACTOME	REGULATION OF GLUCOKINASE BY GLUCOKINASE REGULATORY PROTEIN	18	0.3346724	0.9665252	0.4297653	0.5788316	-	4197	beta=75%,	lat=36%,	sgn=47%	
SD	REACTOME	REACTOME	SIGNALING BY HIPPO	15	0.3291162	0.9639221	0.48985614	0.5803747	-	1208	beta=33%,	lat=10%,	sgn=37%	
SD	REACTOME	REACTOME	INTRACELLULAR TRANSPORT	31	0.2742383	0.967494	0.515095	0.5816815	-	2688	beta=42%,	lat=14%,	sgn=47%	
SD	REACTOME	REACTOME	ACTIVATED NOTCH TRANSMITS SIGNAL TO THE NUCLEUS	35	0.3318299	0.961516	0.3603176	0.5827345	-	1861	beta=49%,	lat=24%,	sgn=46%	
SD	REACTOME	REACTOME	EXTRA NUCLEAR ESTROGEN SIGNALING	43	0.2721898	0.9587812	0.4846236	0.5828045	-	2900	beta=40%,	lat=24%,	sgn=42%	
SD	REACTOME	REACTOME	MAPK TARGETS NUCLEAR EVENTS MEDIATED BY MAP KINASES	19	0.3735957	0.9594037	0.5126854	0.5831355	-	3637	beta=53%,	lat=21%,	sgn=46%	
SD	REACTOME	REACTOME	G PROTEIN ACTIVATION	31	0.3004960	0.9562401	0.5092916	0.5832718	-	2900	beta=47%,	lat=24%,	sgn=46%	
SD	REACTOME	REACTOME	MAP2K AND MAPK ACTIVATION	35	0.3149537	0.9516529	0.5096802	0.5802678	-	3583	beta=49%,	lat=30%,	sgn=46%	
SD	REACTOME	REACTOME	NOTCH3 ACTIVATION AND TRANSMISSION OF SIGNAL TO THE NUCLEUS	18	0.3264751	0.9504232	0.5089065	0.5912852	-	2531	beta=53%,	lat=21%,	sgn=46%	
SD	REACTOME	REACTOME	EGFR1 MUTANT RECEPTOR ACTIVATION	32	0.2998388	0.950286	0.5085088	0.5913248	-	2531	beta=53%,	lat=21%,	sgn=46%	
SD	REACTOME	REACTOME	GENE SILENCING BY RNA	89	0.2711934	0.94843148	0.5298285	0.5947843	-	4342	beta=61%,	lat=36%,	sgn=48%	
SD	REACTOME	REACTOME	RHOV GTPASE CYCLE	19	0.3171807	0.9480004	0.5100804	0.5948393	-	2258	beta=42%,	lat=19%,	sgn=42%	
SD	REACTOME	REACTOME	CELL DEATH SIGNALING VIA NRAGE NRIF AND NADE	32	0.2877029	0.9469948	0.5090878	0.5952048	-	4057	beta=59%,	lat=24%,	sgn=46%	
SD	REACTOME	REACTOME	SIGNALING BY FGFR3	33	0.2584472	0.9398359	0.5397847	0.5973422	-	3652	beta=52%,	lat=31%,	sgn=44%	
SD	REACTOME	REACTOME	SIGNALING BY NOTCH3	35	0.2943587	0.9379878	0.5124547	0.5971234	-	2800	beta=49%,	lat=24%,	sgn=43%	
SD	REACTOME	REACTOME	RHO2 GTPASE CYCLE	22	0.2711962	0.9417896	0.5181377	0.59880317	-	2417	beta=45%,	lat=20%,	sgn=46%	
SD	REACTOME	REACTOME	ANGIOGENESIS	83	0.2727463	0.9388471	0.4932984	0.5981807	-	3691	beta=54%,	lat=26%,	sgn=46%	
SD	REACTOME	REACTOME	RAF INDEPENDENT MAPK3 ACTIVATION	16	0.3359962	0.9406664	0.5345529	0.5984602	-	754	beta=19%,	lat=6%,	sgn=26%	
SD	REACTOME	REACTOME	SIGNALING BY FGFR3 IN DISEASE	33	0.2504528	0.9398843	0.5730943	0.588759	-	2010	beta=30%,	lat=17%,	sgn=36%	
SD	REACTOME	REACTOME	HCMV EARLY EVENTS	30	0.2623169	0.9382411	0.5243923	0.5910924	-	429	beta=19%,	lat=6%,	sgn=26%	
SD	REACTOME	REACTOME	DNA METHYLATION	44	0.3324343	0.9280414	0.524719	0.6048131	-	2899	beta=55%,	lat=34%,	sgn=45%	
SD	REACTOME	REACTOME	RAC1 GTPASE CYCLE	129	0.2378993	0.9288873	0.5041666	0.60514736	-	2566	beta=40%,	lat=22%,	sgn=41%	
SD	REACTOME	REACTOME	PIE NOTCH EXPRESSION AND PROCESSING	80	0.2817291	0.9287834	0.5047834	0.6052048	-	3605	beta=50%,	lat=24%,	sgn=46%	
SD	REACTOME	REACTOME	REGULATION OF LIPID METABOLISM BY PPARGALPHA	80	0.2412323	0.9290502	0.5448515	0.605753	-	2800	beta=35%,	lat=24%,	sgn=43%	
SD	REACTOME	REACTOME	RECRUITMENT OF NUMA TO MITOTIC CENTROSOMES	55	0.2318676	0.9296127	0.5819048	0.60616046	-	3637	beta=49%,	lat=31%,	sgn=47%	
SD	REACTOME	REACTOME	MAPK FAMILY SIGNALING PATHWAYS	228	0.2030547	0.9244982	0.5774650	0.60753465	-	2090	beta=25%,	lat=17%,	sgn=36%	
SD	REACTOME	REACTOME	INSULIN SECRETION AND INACTIVATION	12	0.3113935	0.9232938	0.5092916	0.6076978	-	540	beta=19%,	lat=6%,	sgn=26%	
SD	REACTOME	REACTOME	HDMS DEMETHYLATE HISTONES	30	0.3339349	0.918347	0.55424064	0.6130985	-	3990	beta=50%,	lat=34%,	sgn=45%	
SD	REACTOME	REACTOME	SIGNALING BY RETINOIC ACID	31	0.2881788	0.91463107	0.5228155	0.6178407	-	1626	beta=45%,	lat=21%,	sgn=49%	
SD	REACTOME	REACTOME	LEISHMANIA INFECTION	20	0.2239243	0.9120788	0.520212	0.6190924	-	1678	beta=30%,	lat=12%,	sgn=36%	
SD	REACTOME	REACTOME	NEGATIVE REGULATION OF MAPK PATHWAY	31	0.2738502	0.8971984	0.5795454	0.6308317	-	3637	beta=42%,	lat=13%,	sgn=46%	
SD	REACTOME	REACTOME	G ALPHA 12 SIGNALING EVENTS	64	0.2344505	0.8968816	0.6065217	0.639556	-	1937	beta=31%,	lat=17%,	sgn=37%	
SD	REACTOME	REACTOME	GLYCOGEN	44	0.2875333	0.8954464	0.6433746	0.6453729	-	434	beta=19%,	lat=6%,	sgn=26%	
SD	REACTOME	REACTOME	HSF1 DEPENDENT TRANSCRIPTION	21	0.2711953	0.888888	0.6213389	0.6489004	-	1983	beta=33%,	lat=17%,	sgn=40%	
SD	REACTOME	REACTOME	CELL CELL EXTRACELLULAR MATRIX INTERACTIONS	17	0.3142363	0.8873329	0.6373485	0.6489904	-	2838	beta=50%,	lat=24%,	sgn=47%	
SD	REACTOME	REACTOME	HEMISTASIS	423	0.2102983	0.8858888	0.6389268	0.6489904	-	274	beta=19%,	lat=6%,	sgn=26%	
SD	REACTOME	REACTOME	SIGNALING BY INSULIN RECEPTOR	57	0.24167123	0.8837109	0.6393917	0.6520505	-	1298	beta=18%,	lat=11%,	sgn=39%	
SD	REACTOME	REACTOME	RHO2 GTPASE CYCLE	45	0.2622020	0.8788316	0.6295938	0.6632368	-	2181	beta=53%,	lat=24%,	sgn=47%	
SD	REACTOME	REACTOME	PI3K METABOLISM	51	0.2574105	0.8744135	0.6739147	0.6632989	-	3959	beta=59%,	lat=30%,	sgn=46%	
SD	REACTOME	REACTOME	SIGNALING TO RAS	32	0.2797048	0.8702286	0.6269538	0.6659176	-	3459	beta=50%,	lat=28%,	sgn=46%	
SD	REACTOME	REACTOME	BINDING AND UPTAKE OF LIGANDS BY SCAVENGER RECEPTORS	35	0.2597975	0.8684006	0.6680816	0.6709259	-	1789	beta=34%,	lat=15%,	sgn=38%	
SD	REACTOME	REACTOME	ACTIVATED_PNK1_STIMULATES_TRANSCRIPTION_OF_AR_ANDROGEN_RECEPTOR_REGULATED_GENES_KLCA2_AND_KLCA3	46	0.3045143	0.8669192	0.5884539	0.6714086	-	3990	beta=54%,	lat=34%,	sgn=49%	
SD	REACTOME	REACTOME	RUNX1_TARGETS_WITH_CO_FACTORS_WHOSE_PRECISE_EFFECT_ON_RUNX1_TARGETS_IS_NOT_KNOWN	24	0.2969794	0.8677825	0.6181725	0.67146176	-	3797	beta=58%,	lat=32%,	sgn=46%	
SD	REACTOME	REACTOME	METABOLISM OF WATER SOLUBLE VITAMINS AND COFACTORS	21	0.2318676	0.8652215	0.6211865	0.6720817	-	2900	beta=30%,	lat=12%,	sgn=36%	
SD	REACTOME	REACTOME	PYRUVATE METABOLISM	20	0.285623	0.8659782	0.6560991	0.6733043	-	2537	beta=40%,	lat=21%,	sgn=41%	
SD	REACTOME	REACTOME	APOPTOTIC CLEAVAGE OF CELLULAR PROTEINS	26	0.2897883	0.8635186	0.6392936	0.6739447	-	2251	beta=39%,	lat=19%,	sgn=41%	
SD	REACTOME	REACTOME	BASIGIN INTERACTIONS	15	0.2852907	0.8630375	0.6491536							

Control	REACTOME PROTEIN PROTEIN INTERACTIONS AT SYNAPSES	57	-0.359702	-1.046484	0.4988478	0.81471936	2957	base+22%, lat+25%, sphn+50%	
Control	REACTOME MUSCLE CONTRACTION	143	-0.2951045	-1.0707817	0.4768377	0.81471936	4920	base+50%, lat+11%, sphn+71%	
Control	REACTOME LIGAND INTERACTIONS	91	-0.2882007	-1.0594722	0.386	0.81512713	3117	base+55%, lat+26%, sphn+47%	
Control	REACTOME REGULATION OF BETA CELL DEVELOPMENT	26	-0.3508457	-1.0428138	0.407787	0.81535876	5282	base+72%, lat+44%, sphn+30%	
Control	REACTOME CA DEPENDENT EVENTS	142	-0.2928971	-1.0707817	0.29162668	0.81535876	3603	base+44%, lat+11%, sphn+71%	
Control	REACTOME NEUROTRANSMITTER RECEPTORS AND POSTSYNAPTIC SIGNAL TRANSMISSION	147	-0.2951503	-1.0509212	0.39992217	0.81627554	5102	base+56%, lat+43%, sphn+58%	
Control	REACTOME SYNTHESIS OF LEUKOTRIENES LT AND EXOINS EX	16	-0.4130438	-1.1331208	0.2881678	0.816888	1458	base+31%, lat+12%, sphn+58%	
Control	REACTOME PLASMA LIPID/PROTEIN REMODELING	25	-0.4009898	-1.080629	0.360776	0.817259	5787	base+25%, lat+17%, sphn+55%	
SD_repos	REACTOME SIGNALING BY RECEPTOR TYROSINE KINASES	351	-0.1664282	-1.7416943	0.61175843	0.817259	2073	base+25%, lat+17%, sphn+55%	
Control	REACTOME GLYCEROPHOSPHOLIPID BIOSYNTHESIS	80	-0.30054814	-1.129132	0.31657358	0.8178711	2592	base+31%, lat+22%, sphn+40%	
Control	REACTOME CELL CELL JUNCTION ORGANIZATION	48	-0.3094785	-1.1261458	0.3457702	0.8186883	5807	base+74%, lat+41%, sphn+39%	
Control	REACTOME D GLYCOPOLYMERIZATION OF TERN-DOMAIN CONTAINING PROTEINS	32	-0.2525274	-1.2639832	0.19288264	0.8196813	4232	base+59%, lat+38%, sphn+17%	
Control	REACTOME RECEPTOR TYPE TYROSINE KINASE PHOSPHATASES	16	-0.4762918	-1.1171878	0.3614851	0.81986	4175	base+67%, lat+35%, sphn+103%	
Control	REACTOME SENSORY PROCESSING OF SOUND	57	-0.32915818	-1.1025148	0.3451185	0.82001734	3498	base+46%, lat+29%, sphn+44%	
Control	REACTOME G ALPHA S SIGNALING EVENTS	101	-0.2723273	-1.0892692	0.48015972	0.8202094	5427	base+53%, lat+46%, sphn+16%	
SD_repos	REACTOME RHO GTPASES ACTIVATE IQGAPs	26	0.23794848	0.73791075	0.7935224	0.8212483	3098	base+46%, lat+29%, sphn+24%	
Control	REACTOME ION HOMEOSTASIS	40	-0.3315454	-1.1201229	0.3313133	0.8218817	4928	base+52%, lat+41%, sphn+89%	
Control	REACTOME THE PHOTOTRANSDUCTION CASCADE	21	-0.3039388	-1.063747	0.4165103	0.8219534	3913	base+57%, lat+33%, sphn+97%	
Control	REACTOME CYTOSOLIC SULFONATION OF SMALL MOLECULES	18	-0.3775298	-1.090688	0.3737575	0.82201948	4161	base+56%, lat+39%, sphn+52%	
Control	REACTOME AMINO ACID TRANSPORT ACROSS THE PLASMA MEMBRANE	18	-0.4098877	-1.1344008	0.3134563	0.8223988	4667	base+51%, lat+35%, sphn+83%	
Control	REACTOME WNT LIGAND BIOGENESIS AND TRAFFICKING	18	-0.4134883	-1.086222	0.3982533	0.822811	2220	base+42%, lat+19%, sphn+52%	
Control	REACTOME NEPHRIN FAMILY INTERACTIONS	17	-0.3319209	-1.108906	0.3205894	0.8246879	545	base+54%, lat+42%, sphn+95%	
Control	REACTOME POTASSIUM CHANNELS	77	-0.3789134	-1.1921695	0.28210115	0.8249271	4520	base+65%, lat+41%, sphn+110%	
Control	REACTOME CLASS A 1 RHODOPSIN LIKE RECEPTORS	232	-0.2537872	-0.9928748	0.5	0.8249348	5800	base+44%, lat+49%, sphn+72%	
Control	REACTOME CELL CELL COMMUNICATION	99	-0.2893093	-1.0839911	0.4841092	0.8251347	3260	base+58%, lat+42%, sphn+2%	
SD_repos	REACTOME FACTORS INVOLVED IN MEGAKARYOCYTE DEVELOPMENT AND PLATELET PRODUCTION	102	-0.1857272	-1.0731234	0.85539716	0.8265132	2164	base+27%, lat+18%, sphn+33%	
Control	REACTOME SIALIC ACID METABOLISM	22	-0.3556303	-1.103482	0.34158598	0.826781	398	base+19%, lat+3%, sphn+20%	
Control	REACTOME OSEAN ASSOCIATED GLYCOSAMINOGLYCAN METABOLISM	10	-0.2928122	-1.108644	0.41559793	0.8269887	4773	base+60%, lat+42%, sphn+12%	
Control	REACTOME BLOOD GROUP SYSTEMS BIOSYNTHESIS	17	-0.3765853	-1.0641905	0.32060629	0.8280453	5285	base+69%, lat+45%, sphn+60%	
Control	REACTOME METABOLISM OF STEROID HORMONES	23	-0.3892172	-1.110265	0.3419483	0.8284103	5538	base+70%, lat+47%, sphn+30%	
Control	REACTOME DISSEMBLY OF THE DESTRUCTION COMPLEX AND RECRUITMENT OF AXIN TO THE MEMBRANE	21	-0.3153343	-1.0811839	0.3497153	0.829298	510	base+12%, lat+14%, sphn+15%	
SD_repos	REACTOME COP DEPENDENT GOLF TO ER RETROGRADE TRAFFIC	10	-0.1839485	-1.073878	0.8532929	0.829298	2164	base+27%, lat+18%, sphn+33%	
Control	REACTOME KERATAN SULFATE BIOSYNTHESIS	23	-0.3718604	-1.1349703	0.2822495	0.8311998	1870	base+48%, lat+38%, sphn+75%	
SD_repos	REACTOME ADRENAL NORADRENALINE INHIBITS INSULIN SECRETION	23	0.2326128	0.726188	0.8218884	0.8321194	1877	base+26%, lat+14%, sphn+21%	
Control	REACTOME COMMON PATHWAY OF ASPIRIN AND ACETYL SALICYLIC ACID	10	-0.4206989	-1.092944	0.40118594	0.8322915	1782	base+51%, lat+35%, sphn+76%	
SD_repos	REACTOME SIGNALING BY TGFβ FAMILY MEMBERS	65	0.191252	0.7242367	0.851153	0.83390146	3752	base+48%, lat+32%, sphn+44%	
Control	REACTOME GPCR LIGAND BINDING	323	-0.27923678	-1.0738782	0.40988238	0.83485559	5787	base+27%, lat+17%, sphn+26%	
Control	REACTOME TRANSPORT OF MITOCHONDRIAL NUCLEOSIDES AND RELATED MOLECULES	102	-0.2331428	-1.063747	0.3982533	0.8350307	4209	base+54%, lat+42%, sphn+95%	
SD_repos	REACTOME RECYCLING VULVAR OF L1	38	0.2148732	0.718861	0.8194175	0.8350116	3434	base+42%, lat+29%, sphn+59%	
Control	REACTOME CARDIAC CONDUCTION	91	-0.4206972	-1.365122	0.0998016	0.840265	0.994	4928	base+52%, lat+41%, sphn+108%
Control	REACTOME EXTRACELLULAR MATRIX ORGANIZATION	51	-0.4043704	-1.0911202	0.3681926	0.8409878	398	base+19%, lat+3%, sphn+20%	
SD_repos	REACTOME PEPTIDE HORMONE METABOLISM	67	0.18471758	0.71460277	0.9254658	0.8420342	540	base+10%, lat+1%, sphn+11%	
SD_repos	REACTOME SIGNALING BY NTRKs	95	0.1839073	0.7147119	0.8391753	0.8433783	3450	base+12%, lat+3%, sphn+12%	
Control	REACTOME INTERACTION BETWEEN L1 AND ANKYRINS	26	-0.3768275	-1.486589	0.0262198	0.8468316	0.964	4178	base+72%, lat+40%, sphn+118%
Control	REACTOME LINEAR SEQUENCE IS REQUIRED FOR GAG SYNTHESIS	18	-0.4258481	-1.0930454	0.3982533	0.8468316	4178	base+72%, lat+40%, sphn+118%	
Control	REACTOME SIGNALING BY NTRK TRK	15	-0.3038278	-0.9642484	0.5048702	0.8531938	1791	base+20%, lat+15%, sphn+24%	
Control	REACTOME FERTILIZATION	20	-0.2517057	-1.3742004	0.17223657	0.8572861	0.962	4667	base+60%, lat+39%, sphn+131%
Control	REACTOME G PROTEIN MEDIATED EVENTS	34	-0.2852707	-1.0654807	0.54110897	0.8574944	3603	base+60%, lat+39%, sphn+52%	
SD_repos	REACTOME_RESOLUTION_OF_D_LOOP_STRUCTURES_THROUGH_SYNTHESIS_DEPENDENT_STRAND_ANNHEALING_S	17	0.2828978	0.7009887	0.830303	0.8573991	2386	base+41%, lat+20%, sphn+41%	
SD_repos	REACTOME_RESOLUTION_OF_D_LOOP_STRUCTURES	17	0.2828978	0.7009887	0.830303	0.8573991	2386	base+41%, lat+20%, sphn+41%	
SD_repos	REACTOME_FGF2F2_MUTANT_RECEPTOR_ACTIVATION	25	0.20901139	0.6976021	0.8522815	0.8522815	1864	base+28%, lat+16%, sphn+33%	
SD_repos	REACTOME_NOTCH3_INTRACELLULAR_DOMAIN_REGULATES_TRANSCRIPTION	17	0.25089162	0.6954281	0.8388207	0.8603446	2804	base+34%, lat+24%, sphn+44%	
Control	REACTOME G LINKED GLYCOSYLATION OF MUCINS	48	-0.28817615	-1.0442888	0.5699903	0.8609202	4729	base+42%, lat+19%, sphn+52%	
Control	REACTOME SLC TRANSPORTER DISORDERS	16	-0.2664411	-0.94857106	0.5336488	0.8629647	3927	base+41%, lat+18%, sphn+52%	
Control	REACTOME PEPTIDE LIGAND BINDING RECEPTORS	141	-0.25423378	-0.939372	0.5897446	0.86464125	5782	base+47%, lat+49%, sphn+128%	
Control	REACTOME FORMATION OF FIBRIN CLOT CLOTTING CASCADE	28	-0.3218138	-1.0529277	0.52272725	0.868898	3752	base+23%, lat+14%, sphn+26%	
Control	REACTOME KINESINS	82	-0.2891954	-1.0469535	0.5491974	0.8691847	4209	base+54%, lat+42%, sphn+95%	
SD_repos	REACTOME_BMAL1_CLOCK_NPAS2_ACTIVATES_CIRCADIAN_DIURNAL_EXPRESSION	16	0.24418004	0.686786	0.8136274	0.8694034	2685	base+44%, lat+23%, sphn+44%	
Control	REACTOME HEPARAN SULFATE REPAIRIN HS GAG METABOLISM	33	-0.32277004	-1.0354489	0.56711424	0.8699276	5026	base+61%, lat+44%, sphn+108%	
Control	REACTOME COLLAGEN DEGRADATION	10	-0.4189001	-1.453111	0.1594108	0.871713	0.976	4667	base+60%, lat+39%, sphn+131%
SD_repos	REACTOME_GLUCCOSE_METABOLISM	61	0.1737263	0.6788586	0.8158513	0.87907034	3267	base+40%, lat+22%, sphn+41%	
Control	REACTOME FORMATION OF THE CORNIFIED ENVELOPE	107	-0.4578317	-1.3748726	0.11456311	0.8846609	0.992	4667	base+62%, lat+41%, sphn+120%
Control	REACTOME SPECIFIC MEDIATED CASPASE FORM	18	-0.3191088	-1.0218038	0.4981899	0.8868369	4181	base+50%, lat+37%, sphn+76%	
Control	REACTOME CYTOSOLIC P450 ARRANGED BY SUBSTRATE TYPE	50	-0.4801837	-1.4263005	0.10392157	0.8870387	0.986	4743	base+72%, lat+40%, sphn+119%
SD_repos	REACTOME_DARRP_32_EVENTS	18	0.21174838	0.6877375	0.8797585	0.8879567	3751	base+50%, lat+32%, sphn+73%	
Control	REACTOME ASSEMBLY OF COLLAGEN FIBRILS AND OTHER MULTIMERIC STRUCTURES	51	-0.5480204	-1.484148	0.0264247	0.8907459	0.963	3220	base+72%, lat+42%, sphn+99%
Control	REACTOME ECM PROTEOLYTIANS	23	-0.589569	-1.5110452	0.08811245	0.8926921	0.983	3982	base+61%, lat+42%, sphn+103%
Control	REACTOME_NG2_SIGNALING_FOR_NEURITE_OUT_GROWTH	51	-0.521027	-1.5235346	0.03896564	0.8930185	0.939	3888	base+61%, lat+42%, sphn+103%
SD_repos	REACTOME_GLUCCAGON_LIKE_PEPTIDE_1_GLI_REGULATES_INSULIN_SECRETION	34	0.1888001	0.658273	0.8926245	0.8924246	3054	base+38%, lat+26%, sphn+41%	
SD_repos	REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES	10	-0.1939211	-0.659892	0.8109183	0.8924246	3054	base+38%, lat+26%, sphn+41%	
Control	REACTOME SIGNALING BY GPCR	479	-0.2185722	-0.9143178	0.5781893	0.8960189	5787	base+59%, lat+48%, sphn+109%	
Control	REACTOME_SLC_MEDIATED_TRANSMEMBRANE_TRANSPORT	156	-0.3999434	-1.432627	0.09884558	0.8981941	0.985	4181	base+54%, lat+35%, sphn+82%
Control	REACTOME_PHASE_1_FUNCTIONALIZATION_OF_COMPOUNDS	10	-0.4233921	-1.072084	0.4981899	0.8982083	4209	base+54%, lat+42%, sphn+95%	
Control	REACTOME_MET_PROMOTES_CELL_MOTILITY	33	-0.4783338	-1.4151419	0.28927454	0.9035981	0.987	2924	base+58%, lat+42%, sphn+95%
Control	REACTOME_MET_ACTIVATES_PTFR SIGNALING	23	-0.6339713	-1.534288	0.0349817	0.9037394	0.933	3276	base+78%, lat+28%, sphn+108%
SD_repos	REACTOME_TRANSCRIPTIONAL_REGULATION_BY_THE_AP_2_TFAP2_FAMILY_OF_TRANSCRIPTION_FACTORS	26	-0.1897131	0.6470262	0.8562627	0.9057459	3100	base+31%, lat+21%, sphn+28%	
Control	REACTOME_NG2_TRANSCRIPTIONAL_REGULATION	10	-0.589569	-1.490698	0.03896564	0.9152751	0.959	3815	base+61%, lat+42%, sphn+103%
SD_repos	REACTOME_SIGNALING_BY_FGFR4	34	0.1888217	0.6362104	0.96661804	0.9153878	3652	base+47%, lat+31%, sphn+81%	
SD_repos	REACTOME_REPRODUCTION	101	-0.1852452	-0.6298415	0.8493175	0.9201715	2465	base+26%, lat+14%, sphn+21%	
SD_repos	REACTOME_CELL_SURFACE_INTERACTIONS_AT_THE_VASCULAR_WALL	10	-0.1851129	-0.6298415	0.8493175	0.9201715	2465	base+26%, lat+14%, sphn+21%	
SD_repos	REACTOME_GABA_B_RECEPTOR_ACTIVATION	32	0.1988822	0.6279573	0.93064874	0.9204338	1314	base+22%, lat+11%, sphn+25%	
SD_repos	REACTOME_GLUCCONDOGENESIS	27	0.1847618	0.623628	0.8419129	0.9201075	2415	base+23%, lat+14%, sphn+25%	
Control	REACTOME_POTASSIUM_PUMP_ACTIVATION	23	-0.4171904	-1.438272	0.04382624	0.9201075	3877	base+58%, lat+42%, sphn+95%	
SD_repos	REACTOME_TIE2_SIGNALING	16	0.1985307	0.6251575	0.9264705	0.92150176	3959	base+56%, lat+42%, sphn+95%	
Control	REACTOME_PHASE_2_OF_RAPID_DEPOLARISATION	21	-0.3682611	-1.3951122	0.06027581	0.928508	0.989	4181	base+78%, lat+35%, sphn+117%
Control	REACTOME_FRS_MEDIATED_FGFR3_SIGNALING	18	-0.3098548	-0.9920794	0.5953307	0.9278973	4181	base+50%, lat+37%, sphn+76%	
Control	REACTOME_ACTIVATION_OF_MATRIX_METALLOPROTEINASES	18	-0.3072877	-0.9920794	0.5953307	0.9278973	4181	base+50%, lat+37%, sphn+76%	
Control	REACTOME_ACYL_CHAIN_REMODELLING_OF_PC	21	-0.5326288	-1.454643	0.03037383	0.9282715	0.976	2924	base+58%, lat+42%, sphn+95%
Control	REACTOME_INTRINSIC_PATHWAY_OF_FIBRIN_CLOT_FORMATION	16	-0.30717613	-0.988478	0.7134327	0.930621	4813	base+40%, lat+26%, sphn+41%	
Control	REACTOME_NEUROTRANSMITTER_RELEASE_CYCLE	18	-0.2664411	-0.94857106	0.5336488	0.930621	4813	base+40%, lat+26%, sphn+41%	
SD_repos									

Control	REACTOME RET SIGNALING	31	-0.1526922	-0.4992068	0.9940474	0.9776892		4522	tags=25%, lat=38%, sgnah=27%
Control	REACTOME ANTI INFLAMMATORY RESPONSE FAVOURING LEISHMANIA PARASITE INFECTION	1161	-0.1831041	-0.7219261	0.9271028	0.9766934		5470	tags=64%, lat=42%, sgnah=66%
Control	REACTOME PLATELET CALCIUM HOMEOSTASIS	24	-0.1994022	-0.6597425	0.9330628	0.9789148		3608	tags=29%, lat=30%, sgnah=2%
SD_repos	REACTOME INITIAL TRIGGERING OF COMPLEMENT	16	-0.1948687	-0.5045994	0.9886441	0.9786674		2051	tags=31%, lat=17%, sgnah=38%
Control	REACTOME REGULATION OF INSULIN SECRETION	253	-0.2023132	-0.7108403	0.9011515	0.9793214		3608	tags=59%, lat=30%, sgnah=2%
Control	REACTOME METABOLISM OF STEROIDS	93	-0.1586931	-0.6568218	0.9840545	0.9795189		4731	tags=18%, lat=40%, sgnah=7%
Control	REACTOME SUMMATION OF INTRACELLULAR RECEPTORS	20	-0.2432947	-0.7351534	0.8042284	0.9787354		2921	tags=35%, lat=25%, sgnah=48%
Control	REACTOME NUCLEAR SIGNALING BY ERBB4	27	-0.1592884	-0.4829961	0.981013	0.9797894		4741	tags=43%, lat=48%, sgnah=7%
Control	REACTOME COLLAGEN FORMATION	751	-0.2028924	-1.5382124	0.6308810	0.9797776	0.929	3388	tags=69%, lat=38%, sgnah=89%
Control	REACTOME INOSITOL PHOSPHATE METABOLISM	23	-0.1789543	-0.5024966	0.980665	0.9807319		2834	tags=22%, lat=24%, sgnah=28%
Control	REACTOME ADIAPORIN MEDIATED TRANSPORT	40	-0.2195935	-0.7376203	0.8586131	0.9807384		3607	tags=40%, lat=31%, sgnah=57%
Control	REACTOME IRS MEDIATED SIGNALING	35	-0.2126877	-0.747626	0.8491286	0.9811734		3733	tags=54%, lat=48%, sgnah=104%
Control	REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR4	22	-0.2171456	-0.7232925	0.8565965	0.9820468		4188	tags=41%, lat=35%, sgnah=43%
Control	REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR2	23	-0.151818	-0.5098062	0.9911895	0.9820811		5733	tags=52%, lat=48%, sgnah=100%
Control	REACTOME GLUCOSE METABOLISM	17	-0.2871026	-0.7403903	0.7894737	0.9822997		298	tags=12%, lat=2%, sgnah=1%
Control	REACTOME RND3 GTPASE CYCLE	23	-0.2258677	-0.7428181	0.8307383	0.9833471		2626	tags=30%, lat=21%, sgnah=39%
Control	REACTOME METABOLISM OF LIPIDS	465	-0.1932005	-0.6354904	0.9829549	0.9840295		3187	tags=24%, lat=27%, sgnah=31%
SD_repos	REACTOME PLATELET AGGREGATION PLUS FORMATION	28	-0.1573533	-0.4864366	0.9837385	0.9844566		3448	tags=49%, lat=29%, sgnah=53%
Control	REACTOME PI_3K CASCADE FGFR3	15	-0.1758618	-0.5130006	0.9887057	0.9849574		5733	tags=60%, lat=48%, sgnah=116%
Control	REACTOME GLUTATHIONE CONJUGATION	23	-0.2227072	-0.6200568	0.878	0.9860731		1878	tags=22%, lat=18%, sgnah=25%
Control	REACTOME SIGNALING BY WNT IN CANCER	63	-0.2123986	-0.744016	0.8151751	0.9863740		210	tags=6%, lat=2%, sgnah=9%
Control	REACTOME RUNX REGULATES BONE DEVELOPMENT	17	-0.1910294	-0.5564156	0.9710425	0.9873849		657	tags=53%, lat=7%, sgnah=99%
Control	REACTOME OPIOID SIGNALING	23	-0.1981086	-0.5258955	0.9628063	0.9875184		2195	tags=17%, lat=18%, sgnah=21%
Control	REACTOME DEFENSES	18	-0.1987624	-0.5407407	0.9842209	0.9884296		3974	tags=38%, lat=33%, sgnah=56%
Control	REACTOME MYOGENESIS	20	-0.1792561	-0.5199316	0.9800941	0.9884346		1401	tags=15%, lat=12%, sgnah=17%
Control	REACTOME PI_3K CASCADE FGFR1	18	-0.2078213	-0.6388316	0.9373777	0.9884693		5733	tags=61%, lat=48%, sgnah=118%
Control	REACTOME TRANSCRIPTIONAL REGULATION OF PLURIPOTENT STEM CELLS	21	-0.1884328	-0.5471983	0.9596929	0.9888895		5908	tags=62%, lat=60%, sgnah=123%
Control	REACTOME VASOPRESSIN REGULATES RENAL WATER HOMEOSTASIS VIA ADIAPORINS	32	-0.1873492	-0.6219911	0.9555556	0.9891157		3908	tags=59%, lat=30%, sgnah=54%
Control	REACTOME ACTIVATION OF AMPK DOWNSTREAM OF NIDARS	23	-0.2264241	-0.7255184	0.8650794	0.9895697		4147	tags=35%, lat=35%, sgnah=53%
SD_repos	REACTOME COMPLEMENT CASCADE	42	-0.1478172	-0.4651844	0.9979038	0.9895659		2227	tags=26%, lat=19%, sgnah=32%
Control	REACTOME PLATELET HOMEOSTASIS	65	-0.1438165	-0.556433	0.9669316	0.9896979		3711	tags=29%, lat=31%, sgnah=42%
Control	REACTOME NEGATIVE REGULATION OF FGFR4 SIGNALING	26	-0.1624857	-0.5268916	0.9940336	0.9913463		4188	tags=52%, lat=35%, sgnah=3%
Control	REACTOME SIGNALING BY ERBB4	47	-0.1718126	-0.6389124	0.9536178	0.9922129		4791	tags=40%, lat=40%, sgnah=7%
Control	REACTOME SHC MEDIATED CASCADE FGFR3	18	-0.210881	-0.6121292	0.9476744	0.9932955		5733	tags=46%, lat=46%, sgnah=108%
Control	REACTOME FATTY ACYL COA BIOSYNTHESIS	21	-0.1878707	-0.5807814	0.9778153	0.9936865		660	tags=10%, lat=9%, sgnah=10%
Control	REACTOME DECTIN 2 FAMILY	20	-0.2186555	-0.6732035	0.9324324	0.9938285		4352	tags=55%, lat=37%, sgnah=7%
Control	REACTOME METABOLISM OF CARBOHYDRATES	190	-0.14027813	-0.665757	0.9943715	0.9947114		3922	tags=28%, lat=33%, sgnah=42%
SD_repos	REACTOME NEGATIVE REGULATION OF FGFR2 SIGNALING	27	-0.1138016	-0.3984273	1	0.9958876		3178	tags=37%, lat=27%, sgnah=50%
Control	REACTOME NGF STIMULATED TRANSCRIPTION	23	-0.1225868	-0.3789972	1	0.9959150		4929	tags=35%, lat=41%, sgnah=59%
SD_repos	REACTOME SIGNALING BY FGFR1	40	-0.1037776	-0.4089385	1	0.9960473		3652	tags=40%, lat=31%, sgnah=58%
SD_repos	REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR3	20	-0.11466775	-0.37550703	1	0.9960968		8114	tags=65%, lat=77%, sgnah=105%
Control	REACTOME GLUCAGON TYPE II LIGAND RECEPTORS	27	-0.1678208	-0.5633508	0.9844689	0.9964999		5121	tags=56%, lat=43%, sgnah=9%
Control	REACTOME FRS MEDIATED FGFR3 SIGNALING	18	-0.1889058	-0.6750585	0.95047817	0.996768		5733	tags=58%, lat=48%, sgnah=108%
SD_repos	REACTOME INTERLEUKIN 7 SIGNALING	21	-0.14386122	-0.4097496	0.99382716	0.99759847		3932	tags=52%, lat=42%, sgnah=52%
Control	REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR1	26	-0.17051076	-0.5862084	0.9746985	0.9978997		5733	tags=52%, lat=48%, sgnah=100%
SD_repos	REACTOME NEGATIVE REGULATION OF FGFR1 SIGNALING	28	-0.12088181	-0.4201204	1	0.9978543		4493	tags=53%, lat=71%, sgnah=54%
Control	REACTOME LAMININ INTERACTIONS	22	-0.6957384	-1.6165849	0.00388484	1	0.824	2924	tags=91%, lat=25%, sgnah=120%
Control	REACTOME COLLAGEN CHAIN TRIMERIZATION	36	-0.6521195	-1.5478622	0.00782716	1	0.62	3905	tags=84%, lat=28%, sgnah=11%
Control	REACTOME COLLAGEN BIOSYNTHESIS AND MODIFYING ENZYMES	57	-0.6043854	-1.6602789	0.00633912	1	0.746	3388	tags=77%, lat=28%, sgnah=107%
Control	REACTOME CROSSLINKING OF COLLAGEN FIBRILS	16	-0.69527876	-1.5559423	0.013871875	1	0.912	2371	tags=81%, lat=20%, sgnah=101%
Control	REACTOME ANCHORING FIBRIL FORMATION	15	-0.7388273	-1.5451447	0.01388963	1	0.923	1973	tags=87%, lat=17%, sgnah=104%
Control	REACTOME NON INTERGRIN MEMBRANE ECM INTERACTIONS	43	-0.5803943	-1.6038915	0.015748031	1	0.830	3008	tags=70%, lat=25%, sgnah=93%
Control	REACTOME CREB1 PHOSPHORYLATION THROUGH NMDA RECEPTOR MEDIATED ACTIVATION OF_RAS SIGNALIN G	17	-0.5201948	-1.5650743	0.022545038	1	0.902	2427	tags=44%, lat=20%, sgnah=56%
Control	REACTOME ACYL CHAIN REMODELLING OF PS	18	-0.5930706	-1.5657176	0.02415095	1	0.901	2008	tags=59%, lat=17%, sgnah=11%
Control	REACTOME INSULIN RECEPTOR SIGNALING CASCADE	40	-0.16784872	-0.5845652	0.9506614	1	1	3805	tags=30%, lat=32%, sgnah=44%
Control	REACTOME CYCLIN A B1 B2 ASSOCIATED EVENTS DURING G2 M TRANSITION	18	-0.18618906	-0.5788668	0.96070725	1	1	3843	tags=52%, lat=32%, sgnah=59%
Control	REACTOME NEGATIVE REGULATION OF THE PKC ACT NETWORK	80	-0.15427681	-0.58799461	0.9627916	1	1	4188	tags=53%, lat=35%, sgnah=50%

Supplemental Table 8. Gene Set Enrichment Analysis (GSEA) of differentially expressed transcripts from the SJD-Ro- whole blood RNA-seq analysis

Phenotype	NAME	ES	NES	NOM.p.val	FDR.q.val	FWER.p.val	RANK.AT.MAX	LEADING EDGE	
SD_rnaseq	REACTOME SUMOYLATION OF RNA BINDING PROTEINS	28	0.7537581	2.0651712	0	0.012791058	0.011	2179	tags=62%, list=18%, signal=100%
SD_rnaseq	REACTOME TRANSPORT OF MATURE TRANSCRIPT TO CYTOPLASM	52	0.6555228	1.9277171	0	0.017838688	0.109	2179	tags=58%, list=18%, signal=70%
SD_rnaseq	REACTOME NUCLEAR IMPORT OF REV PROTEIN	20	0.8043506	1.9319474	0	0.018262228	0.103	2179	tags=66%, list=18%, signal=104%
SD_rnaseq	REACTOME NUCLEAR PORE COMPLEX NPC DISASSEMBLY	21	0.78374213	1.9210924	0	0.019129344	0.101	2179	tags=72%, list=19%, signal=92%
SD_rnaseq	REACTOME SUMOYLATION OF SUMOYLATION PROTEINS	21	0.75374213	1.9210924	0	0.019478228	0.121	2179	tags=81%, list=18%, signal=96%
SD_rnaseq	REACTOME VIRAL MESSENGER RNA SYNTHESIS	31	0.74216115	1.9371595	0	0.020820517	0.099	2181	tags=71%, list=18%, signal=87%
SD_rnaseq	REACTOME NUCLEAR ENVELOPE BREAKDOWN	32	0.8566103	1.910649	0.001915709	0.020972744	0.145	2288	tags=86%, list=19%, signal=81%
SD_rnaseq	REACTOME TRANSPORT OF THE SLBP DEPENDANT MATURE MRNA	19	0.7272344	1.9653181	0	0.021970922	0.074	2179	tags=74%, list=18%, signal=90%
SD_rnaseq	REACTOME SUMOYLATION OF UBIQUITYLATION PROTEINS	28	0.781793	1.9112205	0	0.02222867	0.144	2179	tags=90%, list=18%, signal=96%
SD_rnaseq	REACTOME SUMOYLATION OF DNA DAMAGE RESPONSE AND REPAIR PROTEINS	25	0.7706097	1.9391209	0	0.022589332	0.098	2179	tags=70%, list=18%, signal=83%
SD_rnaseq	REACTOME EXPORT OF VIRAL RIBONUCLEOPROTEINS FROM NUCLEUS	19	0.8206914	1.947305	0	0.023050187	0.087	2179	tags=84%, list=18%, signal=103%
SD_rnaseq	REACTOME SNRNP ASSEMBLY	33	0.76448435	1.9592749	0	0.023563994	0.071	2249	tags=70%, list=19%, signal=86%
SD_rnaseq	REACTOME INTERACTIONS OF REV WITH HOST CELLULAR PROTEINS	21	0.8029845	1.9658072	0	0.023557094	0.068	2179	tags=81%, list=18%, signal=96%
SD_rnaseq	REACTOME TRANSPORT OF MATURE MRNAS DERIVED FROM INTRONLESS TRANSCRIPTS	23	0.7440968	1.9954293	0	0.023397853	0.043	2179	tags=78%, list=18%, signal=96%
SD_rnaseq	REACTOME SUMOYLATION OF DNA DAMAGE RESPONSE AND REPAIR PROTEINS	25	0.7552447	1.9671415	0	0.023714287	0.056	2443	tags=80%, list=21%, signal=100%
SD_rnaseq	REACTOME HIV LIFE CYCLE	102	0.6200198	1.8648587	0.001984127	0.023557096	0.225	2231	tags=58%, list=19%, signal=71%
SD_rnaseq	REACTOME SIGNALING BY THE B CELL RECEPTOR BCR	85	0.6742884	1.8431555	0	0.049413138	0.273	2897	tags=75%, list=24%, signal=99%
SD_rnaseq	REACTOME FC EPSILON RECEPTOR FCERI SIGNALING	95	0.8509627	1.8359752	0	0.0522304	0.293	2845	tags=75%, list=24%, signal=97%
SD_rnaseq	REACTOME HIV INFECTION	168	0.6183444	1.8269226	0.002016129	0.054150432	0.31	2278	tags=58%, list=19%, signal=71%
SD_rnaseq	REACTOME RHOBTB1 GTPASE CYCLE	18	0.7954028	1.9203132	0	0.057800226	0.326	1721	tags=72%, list=14%, signal=84%
SD_rnaseq	REACTOME INTERACTIONS OF VPR WITH HOST CELLULAR PROTEINS	21	0.72033745	1.7834563	0	0.060273133	0.416	2598	tags=76%, list=22%, signal=90%
SD_rnaseq	REACTOME E3 UBIQUITIN LIGASES UBIQUITINATE TARGET PROTEINS	37	0.6166225	1.7808703	0.005813954	0.0603682	0.421	1576	tags=43%, list=3%, signal=50%
SD_rnaseq	REACTOME CLEC7A DECTIN 1 SIGNALING	75	0.63722605	1.7850564	0	0.06204013	0.416	2845	tags=72%, list=24%, signal=94%
SD_rnaseq	REACTOME HOST INTERACTIONS OF HIV FACTORS	92	0.69942967	1.8117738	0	0.061442387	0.347	2278	tags=65%, list=19%, signal=77%
SD_rnaseq	REACTOME TOR SIGNALING	88	0.8375114	1.7723242	0.002282389	0.06158846	0.341	2845	tags=72%, list=24%, signal=97%
SD_rnaseq	REACTOME PROCESSING OF CAPPED INTRON CONTAINING PRE MRNA	184	0.6222805	1.7850783	0.003837008	0.063055504	0.416	2267	tags=60%, list=19%, signal=73%
SD_rnaseq	REACTOME FORMATION OF TC NER PRE INCRON COMPLEX	39	0.6829076	1.7869862	0.003831416	0.0644317	0.414	2471	tags=62%, list=21%, signal=77%
SD_rnaseq	REACTOME DEGRADATION OF AMIN	43	0.70257735	1.7177434	0.006024006	0.064532414	0.608	1259	tags=58%, list=11%, signal=65%
SD_rnaseq	REACTOME TRANSCRIPTIONAL REGULATION BY VENTX	23	0.6292632	1.801892	0	0.064954325	0.377	3001	tags=58%, list=25%, signal=110%
SD_rnaseq	REACTOME DEGRADATION OF DNA	44	0.68512834	1.7085959	0.009183285	0.06496973	0.639	1259	tags=59%, list=11%, signal=68%
SD_rnaseq	REACTOME DEFECTIVE OFTR CAUSES CYSTIC FIBROSIS	47	0.6841305	1.707809	0.008045516	0.065088294	0.638	1259	tags=60%, list=11%, signal=68%
SD_rnaseq	REACTOME TRANSCRIPTIONAL REGULATION BY RUNX3	67	0.5874234	1.7181443	0	0.06532636	0.608	1486	tags=49%, list=12%, signal=56%
SD_rnaseq	REACTOME HDDEGHOGLIGAND BIOGENESIS	51	0.60253924	1.7081951	0.013888889	0.06567858	0.634	1259	tags=53%, list=11%, signal=59%
SD_rnaseq	REACTOME ASYMMETRIC LOCALIZATION OF PCP PROTEINS	45	0.63631207	1.688186	0.015988604	0.06572817	0.658	1259	tags=53%, list=11%, signal=59%
SD_rnaseq	REACTOME CELLULAR RESPONSE TO HYPOXIA	57	0.6805858	1.6928313	0.0119288	0.06594652	0.656	1266	tags=53%, list=11%, signal=59%
SD_rnaseq	REACTOME M PHASE	250	0.47861698	1.6544468	0.00591716	0.06603394	0.658	2293	tags=46%, list=19%, signal=58%
SD_rnaseq	REACTOME FCERI MEDIATED NF KB ACTIVATION	60	0.6746649	1.7867447	0	0.066212796	0.414	1604	tags=55%, list=13%, signal=63%
SD_rnaseq	REACTOME AUF1 HNRNP D0 BINDS AND DESTABILIZES MRNA	43	0.721876	1.7181973	0.002024292	0.066305436	0.608	1486	tags=60%, list=12%, signal=74%
SD_rnaseq	REACTOME CELLULAR RESPONSE TO CHEMICAL STRESS	119	0.57305044	1.7123785	0.007936508	0.0663326	0.618	1802	tags=54%, list=15%, signal=63%
SD_rnaseq	REACTOME TRANSCRIPTIONAL REGULATION BY TP53	220	0.46732967	1.7032455	0.02016129	0.06640645	0.847	3153	tags=47%, list=20%, signal=60%
SD_rnaseq	REACTOME MITOTIC PROPHASE	78	0.571621	1.7082204	0.00342426	0.06641717	0.634	2858	tags=51%, list=22%, signal=68%
SD_rnaseq	REACTOME MITOTIC METAPHASE AND ANAPHASE	148	0.49023697	1.6995102	0.009765525	0.06667954	0.655	2898	tags=51%, list=19%, signal=62%
SD_rnaseq	REACTOME FORMATION OF THE EARLY ELONGATION COMPLEX	22	0.67422616	1.6826892	0.017857144	0.066687375	0.701	2181	tags=56%, list=18%, signal=72%
SD_rnaseq	REACTOME TRANSCRIPTION OF THE HIV GENOME	53	0.61170274	1.7106849	0.007952286	0.06671851	0.623	2181	tags=57%, list=18%, signal=69%
SD_rnaseq	REACTOME ASSEMBLY OF THE PRE REPLICATIVE COMPLEX	49	0.62351966	1.6855211	0.013944224	0.06675498	0.689	1259	tags=49%, list=11%, signal=56%
SD_rnaseq	REACTOME INFLUENZA INFECTION	107	0.7019156	1.7190171	0.026848154	0.06677404	0.603	2359	tags=64%, list=15%, signal=65%
SD_rnaseq	REACTOME NS1 MEDIATED EFFECTS ON HOST PATHWAYS	28	0.63184613	1.7204009	0.01127907	0.06696955	0.601	2179	tags=58%, list=18%, signal=70%
SD_rnaseq	REACTOME CROSS PRESENTATION OF SOLUBLE EXOGENOUS ANTIGENS ENDOSOMES	40	0.68520695	1.6885218	0.019762846	0.066718416	0.688	1570	tags=46%, list=13%, signal=53%
SD_rnaseq	REACTOME REGULATION OF RUNX2 EXPRESSION AND ACTIVITY	54	0.62872505	1.7125249	0.006036217	0.067228876	0.617	1486	tags=56%, list=12%, signal=75%
SD_rnaseq	REACTOME RHOBTB2 GTPASE CYCLE	18	0.7212562	1.7886204	0.005976056	0.06725977	0.459	1811	tags=60%, list=13%, signal=70%
SD_rnaseq	REACTOME SUMOYLATION	116	0.49083658	1.678588	0.00813954	0.06730936	0.715	2656	tags=52%, list=22%, signal=72%
SD_rnaseq	REACTOME INTERLEUKIN 1 SIGNALING	78	0.5834237	1.6826789	0.023904383	0.06738206	0.701	2814	tags=55%, list=24%, signal=77%
SD_rnaseq	REACTOME ORC1 REMOVAL FROM CHROMATIN	49	0.6533226	1.6795436	0.016032064	0.06738842	0.712	1259	tags=53%, list=11%, signal=59%
SD_rnaseq	REACTOME RHOBTB2 GTPASE CYCLE	26	0.7519978	1.8016173	0.002012072	0.06738907	0.376	1721	tags=80%, list=14%, signal=81%
SD_rnaseq	REACTOME NEGATIVE REGULATION OF NOTCH4 SIGNALING	43	0.7315568	1.7084949	0.0023252	0.06739547	0.633	1259	tags=60%, list=11%, signal=73%
SD_rnaseq	REACTOME DECTIN 1 MEDIATED NONCANONICAL NF KB SIGNALING	58	0.6826198	1.6785824	0.009183285	0.06740642	0.655	1259	tags=54%, list=11%, signal=66%
SD_rnaseq	REACTOME METABOLISM OF POLYAMINES	42	0.66898707	1.6744357	0.018022388	0.06760887	0.723	1724	tags=60%, list=14%, signal=76%
SD_rnaseq	REACTOME NUCLEOTIDE EXCISION REPAIR	76	0.61179435	1.7207999	0.013806706	0.06763709	0.6	2471	tags=54%, list=21%, signal=68%
SD_rnaseq	REACTOME TRANSCRIPTION COUPLED NUCLEOTIDE EXCISION REPAIR TC NER	55	0.61860035	1.6873322	0.01984127	0.06765547	0.683	2471	tags=56%, list=21%, signal=67%
SD_rnaseq	REACTOME CYCLIN A CDK2 ASSOCIATED EVENTS AT S PHASE ENTRY	53	0.6348796	1.6862786	0.015748031	0.06767166	0.685	2814	tags=74%, list=24%, signal=96%
SD_rnaseq	REACTOME SUMOYLATION OF TRANSCRIPTION COFACTORS	21	0.7019156	1.7190171	0.017409123	0.06771388	0.722	2155	tags=70%, list=12%, signal=86%
SD_rnaseq	REACTOME TLOMERE C STRAND LAGGING STRAND SYNTHESIS	21	0.6305577	1.6759506	0.024856587	0.06779712	0.721	1822	tags=41%, list=15%, signal=50%
SD_rnaseq	REACTOME PROTEIN UBIQUITINATION	50	0.5584837	1.6916084	0.011811024	0.0678767	0.674	1576	tags=38%, list=13%, signal=44%
SD_rnaseq	REACTOME APC_C_CDH1_MEDIATED_DEGRADATION_OF_CDC20_AND_OTHER_APC_C_CDH1_TARGETED_PROTEIN	51	0.65402893	1.6768597	0.01622718	0.06789012	0.72	2814	tags=78%, list=24%, signal=102%
SD_rnaseq	NS IN LATE MITOSIS EARLY G1	21	0.7865527	1.7033407	0.01156093	0.06789887	0.653	2832	tags=81%, list=24%, signal=106%
SD_rnaseq	REACTOME NGLYCAN TRIMMING IN THE ER AND CALNEXIN CALRETICULIN CYCLE	58	0.63275114	1.7223242	0.009183285	0.06793737	1.384	2179	tags=67%, list=18%, signal=80%
SD_rnaseq	REACTOME HIV TRANSCRIPTION ELONGATION	30	0.640994	1.6796455	0.015748031	0.06799254	0.711	2181	tags=57%, list=18%, signal=69%
SD_rnaseq	REACTOME_GENE_AND_PROTEIN_EXPRESSION_BY_JAK_STAT_SIGNALING_AFTER_INTERLEUKIN_12_STIMULATION	30	0.6786667	1.6879482	0.003944773	0.06800304	0.683	1666	tags=67%, list=14%, signal=77%
SD_rnaseq	REACTOME ANTIGEN PROCESSING CROSS PRESENTATION	82	0.6165843	1.692611	0.023520597	0.068044364	0.671	1570	tags=51%, list=13%, signal=59%
SD_rnaseq	REACTOME DEADENYLATION OF MRNA	19	0.6434915	1.6785824	0.0124376	0.06810504	0.599	2748	tags=60%, list=23%, signal=96%
SD_rnaseq	REACTOME MICRORNA MIRNA BIOGENESIS	19	0.7292146	1.7899697	0.01949318	0.06812168	0.402	2067	tags=74%, list=23%, signal=96%
SD_rnaseq	REACTOME DEADENYLATION DEPENDENT MRNA DECAY	36	0.6505915	1.6931679	0.012302029	0.06846533	0.668	3082	tags=67%, list=26%, signal=90%
SD_rnaseq	REACTOME DOWNSTREAM SIGNALING EVENTS OF B CELL RECEPTOR BCR	63	0.6794686	1.7550217	0	0.06849451	0.493	2897	tags=60%, list=24%, signal=102%
SD_rnaseq	REACTOME G1 S DNA DAMAGE CHECKPOINTS	49	0.6289498	1.6721296	0.01852578	0.06850069	0.73	1637	tags=57%, list=14%, signal=66%
SD_rnaseq	REACTOME DEGRADATION OF GII1 BY THE PROTEASOMES	52	0.6826318	1.6959272	0.00691826	0.06850973	0.65	1486	tags=58%, list=12%, signal=66%
SD_rnaseq	REACTOME DEGRADATION OF BETA CATEININ BY THE DESTRUCTION COMPLEX	64	0.6885036	1.7888983	0.004080816	0.06854554	0.414	2814	tags=70%, list=24%, signal=92%
SD_rnaseq	REACTOME STABILIZATION OF P53	44	0.6984511	1.7218939	0.004056795	0.06901956	0.598	1637	tags=61%, list=14%, signal=71%
SD_rnaseq	REACTOME CYTOTOXICITY BY HMOK1	91	0.6457778	1.7495831	0	0.06903933	0.511	2723	tags=76%, list=23%, signal=98%
SD_rnaseq	REACTOME MRNA CAPPING	20	0.6930654	1.6887398	0.013916501	0.06913936	0.68	2181	tags=60%, list=18%, signal=79%
SD_rnaseq	REACTOME REGULATION OF GLUCOCORTICOID BY GLUCOKINASE REGULATORY PROTEIN	18	0.654111	1.745091	0.00782028	0.06915213	0.529	2179	tags=74%, list=18%, signal=86%
SD_rnaseq	REACTOME PTEN REGULATION	99	0.551287	1.7556915	0.01984127	0.06933989	0.492	2814	tags=68%, list=24%, signal=86%
SD_rnaseq	REACTOME REGULATION OF CHOLESTEROL BIOSYNTHESIS BY SREBP SREBF	30	0.6335933	1.7221475	0.00389836	0.0700927	0.597	2819	tags=61

SD_omeg	REACTOME S PHASE	98	0.5361922	1.62534	0.032	0.08273249	0.82	2723	laga=63%, lft=23%, signal=61%
SD_omeg	REACTOME RNA POLYMERASE II TRANSCRIPTION TERMINATION	46	0.5780824	1.62883	0.02362012	0.08776662	0.816	1841	laga=59%, lft=23%, signal=61%
SD_omeg	REACTOME CYTOSOLIC SENSORS OF PATHOGEN ASSOCIATED DNA	43	0.5664423	1.6277124	0.03054898	0.08274563	0.816	3452	laga=72%, lft=29%, signal=101%
SD_omeg	REACTOME REGULATION OF TP53 EXPRESSION AND DEGRADATION	22	0.5468701	1.6269408	0.02739726	0.08275795	0.816	3891	laga=68%, lft=33%, signal=101%
SD_omeg	REACTOME FORMATION OF INCP53 COMPLEX IN GG NER	26	0.6818388	1.623537	0.05333335	0.08278136	0.825	2612	laga=82%, lft=22%, signal=79%
SD_omeg	REACTOME CELL CYCLE	416	0.4230263	1.6198796	0.011627907	0.08292162	0.83	2293	laga=43%, lft=19%, signal=52%
SD_omeg	REACTOME REGULATION OF TP53 ACTIVITY THROUGH ACETYLATION	20	0.6626286	1.6172347	0.03219383	0.08292308	0.837	3067	laga=75%, lft=26%, signal=101%
SD_omeg	REACTOME PD1 SIGNALING	15	0.6209208	1.6152208	0.03092975	0.08292925	0.837	2153	laga=67%, lft=19%, signal=80%
SD_omeg	REACTOME SEPARATION OF SISTER CHROMATIDS	121	0.466135	1.6173002	0.02766794	0.083491	0.837	2256	laga=50%, lft=19%, signal=61%
SD_omeg	REACTOME ABC TRANSPORTER DISORDERS	58	0.5023709	1.6153194	0.05098033	0.08355684	0.841	1259	laga=45%, lft=11%, signal=50%
SD_omeg	REACTOME CELLULAR RESPONSE TO HEAT STRESS	64	0.48472437	1.6178994	0.009823183	0.08386033	0.837	2659	laga=61%, lft=22%, signal=78%
SD_omeg	REACTOME ACTIVATION OF GENE EXPRESSION BY SREBF SREBP	22	0.61962526	1.6111181	0.015779933	0.08388228	0.844	2819	laga=68%, lft=24%, signal=86%
SD_omeg	REACTOME ABORTIVE ELONGATION OF HIV 1 TRANSCRIPT IN THE ABSENCE OF TAT	18	0.6718344	1.6119171	0.04534302	0.08433234	0.846	3032	laga=67%, lft=25%, signal=89%
SD_omeg	REACTOME DNA REPLICATION PRE INITIATION	60	0.5543436	1.6122996	0.037544006	0.0846138	0.846	1259	laga=45%, lft=11%, signal=50%
SD_omeg	REACTOME RESPIRATORY ELECTRON TRANSPORT	57	0.7302784	1.6089323	0.029411765	0.08607392	0.849	1786	laga=61%, lft=15%, signal=72%
SD_omeg	REACTOME RNA POLYMERASE I TRANSCRIPTION INITIATION	28	0.6232422	1.6060212	0.03929273	0.08769569	0.857	2748	laga=57%, lft=23%, signal=74%
SD_omeg	REACTOME EXTENSION OF TOLEMERS	28	0.5242691	1.6035585	0.04833558	0.08781914	0.861	2636	laga=48%, lft=22%, signal=59%
SD_omeg	REACTOME PROGRAMMED CELL DEATH	17	0.7151896	1.6041464	0.03333335	0.08793956	0.861	1887	laga=57%, lft=17%, signal=65%
SD_omeg	REACTOME GLOBAL GENOME NUCLEOTIDE EXCISION REPAIR GG_NER	54	0.57830515	1.604944	0.04892368	0.087921016	0.861	3166	laga=57%, lft=27%, signal=75%
SD_omeg	REACTOME REGULATION OF TP53 ACTIVITY	102	0.4523712	1.6006899	0.016194332	0.08979871	0.87	3153	laga=56%, lft=26%, signal=75%
SD_omeg	REACTOME RHO GTPASES ACTIVATE WASPS AND WAVES	29	0.64257884	1.5870916	0.05888224	0.0903158	0.886	2801	laga=70%, lft=24%, signal=103%
SD_omeg	REACTOME ACTIVATION OF THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX_AND_EIFS_AND_SUEB SEQUENT BINDING TO 4S	40	0.7198987	1.5872732	0.06395349	0.090571025	0.886	1584	laga=50%, lft=31%, signal=57%
SD_omeg	REACTOME CELL CYCLE MITOTIC	324	0.42749093	1.5886611	0.015810277	0.09089569	0.886	2293	laga=43%, lft=19%, signal=52%
SD_omeg	REACTOME PURINERGIC SIGNALING IN LEISHMANIASIS INFECTION	18	0.6770263	1.581521	0.0513834	0.10121408	0.89	1987	laga=67%, lft=17%, signal=80%
SD_omeg	REACTOME MITOCHONDRIAL BIOGENESIS	61	0.5067859	1.5822101	0.019267824	0.1013088	0.89	1321	laga=36%, lft=11%, signal=40%
SD_omeg	REACTOME CHROMATIN MODIFYING ENZYMES	164	0.4796518	1.5800734	0.040935673	0.10189125	0.894	3417	laga=59%, lft=29%, signal=82%
SD_omeg	REACTOME PROGRAMMED CELL DEATH	17	0.6485718	1.5777013	0.03333335	0.1020053	0.896	2859	laga=61%, lft=24%, signal=79%
SD_omeg	REACTOME IRE1ALPHA ACTIVATES CHAPERONES	30	0.5591094	1.5785518	0.04797048	0.10192729	0.896	2484	laga=57%, lft=21%, signal=71%
SD_omeg	REACTOME COMPLEX I BIOGENESIS	34	0.7143078	1.5792941	0.05212355	0.10200009	0.894	1445	laga=53%, lft=12%, signal=60%
SD_omeg	REACTOME TRANS GOLGI NETWORK VESICLE BUDDING	51	0.53316563	1.5740741	0.05490196	0.10473392	0.903	2387	laga=57%, lft=20%, signal=71%
SD_omeg	REACTOME CELL CYCLE CHECKPOINTS	177	0.44812754	1.5730269	0.035433073	0.10507967	0.905	3226	laga=56%, lft=27%, signal=76%
SD_omeg	REACTOME NOTCH1 INTRACELLULAR DOMAIN REGULATES TRANSCRIPTION	27	0.59893125	1.5689838	0.040935673	0.1058662	0.906	3037	laga=74%, lft=26%, signal=99%
SD_omeg	REACTOME G2 M CHECKPOINT	17	0.6424678	1.5682008	0.04942002	0.10575161	0.906	2878	laga=60%, lft=20%, signal=72%
SD_omeg	REACTOME RIPK1 MEDIATED REGULATED NECROSIS	17	0.66689925	1.5655428	0.06185567	0.10905896	0.91	2899	laga=59%, lft=24%, signal=78%
SD_omeg	REACTOME TRANSLATION	196	0.64400333	1.5645431	0.03155889	0.11003175	0.913	2799	laga=60%, lft=24%, signal=77%
SD_omeg	REACTOME RUNX1 REGULATES TRANSCRIPTION OF GENES INVOLVED IN DIFFERENTIATION OF HSCS	81	0.5138024	1.5635126	0.04158416	0.11013695	0.914	1259	laga=33%, lft=11%, signal=37%
SD_omeg	REACTOME ABC FAMILY PROTEINS MEDIATED TRANSPORT	70	0.45231512	1.55939	0.04761935	0.11114651	0.918	1280	laga=41%, lft=11%, signal=46%
SD_omeg	REACTOME REGULATION OF SMAD2 3 SMAD4 TRANSCRIPTIONAL ACTIVITY	10	0.64181618	1.5592016	0.02952012	0.11047244	0.92	1210	laga=50%, lft=19%, signal=56%
SD_omeg	REACTOME INTERLEUKIN 1 FAMILY SIGNALING	107	0.4641933	1.5609521	0.05367793	0.11179138	0.916	1604	laga=39%, lft=13%, signal=45%
SD_omeg	REACTOME FCGAMMA RECEPTOR FCGR DEPENDENT PHAGOCYTOSIS	67	0.460512	1.5608078	0.08563111	0.11194426	0.918	2459	laga=60%, lft=21%, signal=82%
SD_omeg	REACTOME GLYCOLYSIS	44	0.48624178	1.5552828	0.04942966	0.11371331	0.922	2380	laga=57%, lft=20%, signal=71%
SD_omeg	REACTOME REGULATION OF SIGNALING BY CBL	16	0.6488973	1.560618	0.077889245	0.11374855	0.921	3110	laga=61%, lft=26%, signal=110%
SD_omeg	REACTOME TRANSCRIPTIONAL REGULATION BY RUNX1	119	0.4785675	1.559394	0.037401676	0.11424734	0.922	2878	laga=59%, lft=24%, signal=79%
SD_omeg	REACTOME TRANSCRIPTIONAL REGULATION BY RUNX1	152	0.45392725	1.5517138	0.017716536	0.11537926	0.926	2814	laga=56%, lft=12%, signal=65%
SD_omeg	REACTOME REGULATION OF EXPRESSION OF SLTS AND ROBOS	123	0.59664716	1.5438298	0.11627907	0.12076132	0.93	1903	laga=54%, lft=16%, signal=64%
SD_omeg	REACTOME SYNTHESIS OF ACTIVE UBIQUITIN ROLTS OF E1 AND E2 ENZYMES	19	0.5941155	1.5439664	0.05168886	0.121288024	0.933	3896	laga=68%, lft=33%, signal=102%
SD_omeg	REACTOME GOLGI ASSOCIATED VESICLE BIOGENESIS	39	0.54304344	1.5441635	0.0625	0.121775314	0.93	2657	laga=64%, lft=24%, signal=84%
SD_omeg	REACTOME DNA REPAIR	190	0.4408987	1.5420824	0.026956562	0.1220046	0.932	2471	laga=59%, lft=21%, signal=69%
SD_omeg	REACTOME PROCESSING OF CAPPED INTRONLESS PRE MRNA	17	0.67098106	1.5407314	0.07778806	0.12295161	0.931	1116	laga=41%, lft=16%, signal=47%
SD_omeg	REACTOME REGULATED NECROSIS	39	0.5678243	1.5392433	0.09090909	0.12237233	0.936	3029	laga=60%, lft=25%, signal=82%
SD_omeg	REACTOME TP53 REGULATES TRANSCRIPTION OF DNA REPAIR GENES	42	0.52812505	1.5366298	0.05858586	0.12256323	0.938	3125	laga=64%, lft=26%, signal=87%
SD_omeg	REACTOME FLT3 SIGNALING IN DISEASE	20	0.6128356	1.5373648	0.03976143	0.12258886	0.937	1920	laga=55%, lft=16%, signal=65%
SD_omeg	REACTOME REGULATION OF PLK1 ACTIVITY AT G2 M TRANSITION	55	0.48284902	1.5410056	0.047528917	0.122809276	0.931	2345	laga=74%, lft=20%, signal=92%
SD_omeg	REACTOME MAPK6 MAPK4 SIGNALING	69	0.48427362	1.5378104	0.04640448	0.122920215	0.937	1486	laga=46%, lft=12%, signal=53%
SD_omeg	REACTOME DNA DAMAGE BYPASS	32	0.50175214	1.5304608	0.048	0.12562124	0.942	1650	laga=41%, lft=14%, signal=47%
SD_omeg	REACTOME RECRUITMENT OF MITOTIC CENTROSOME PROTEINS AND COMPLEXES	49	0.47830522	1.5304816	0.047169812	0.12630028	0.942	3668	laga=60%, lft=31%, signal=94%
SD_omeg	REACTOME RNA POLYMERASE III TRANSCRIPTION INITIATION FROM TYPE 3 PROMOTER	17	0.6190339	1.5318651	0.05232558	0.12634742	0.942	4332	laga=82%, lft=36%, signal=129%
SD_omeg	REACTOME TRANSCRIPTIONAL REGULATION BY RUNX2	83	0.42297405	1.5306898	0.064327486	0.12676623	0.942	1486	laga=57%, lft=13%, signal=42%
SD_omeg	REACTOME HEDGEHOG ON STATE	17	0.4393982	1.5294892	0.0529443	0.12712239	0.946	1565	laga=41%, lft=12%, signal=46%
SD_omeg	REACTOME C TYPE LECTIN RECEPTORS CLR5	104	0.43493095	1.5241004	0.04717132	0.12727816	0.946	2845	laga=61%, lft=24%, signal=79%
SD_omeg	REACTOME DNA REPLICATION	82	0.5064303	1.5231619	0.07385229	0.1275359	0.946	1318	laga=43%, lft=11%, signal=48%
SD_omeg	REACTOME MITOTIC G2 M PHASES	133	0.42961782	1.5275627	0.037698414	0.12767611	0.944	2723	laga=50%, lft=23%, signal=64%
SD_omeg	REACTOME UBI SPECIFIC PROCESSING PROTEASES	131	0.4409787	1.525939	0.02834018	0.12788035	0.945	3226	laga=59%, lft=27%, signal=75%
SD_omeg	REACTOME SIGNALING BY NOTCH	93	0.4403968	1.525939	0.02834018	0.12788035	0.945	3226	laga=59%, lft=27%, signal=75%
SD_omeg	REACTOME ESTROGEN DEPENDENT GENE EXPRESSION	89	0.4505262	1.5252007	0.03898355	0.12820598	0.944	2519	laga=46%, lft=21%, signal=58%
SD_omeg	REACTOME RAB REGULATION OF TRAFFICKING	68	0.4707043	1.5209878	0.04120117	0.12879597	0.949	3658	laga=75%, lft=31%, signal=108%
SD_omeg	REACTOME SIGNALING BY ROBO RECEPTORS	161	0.49061793	1.5168905	0.11992263	0.13209708	0.954	2307	laga=63%, lft=19%, signal=65%
SD_omeg	REACTOME NONSENSE MEDIATED DECAY NMD	75	0.71460897	1.5157391	0.11	0.13254668	0.955	2269	laga=59%, lft=19%, signal=68%
SD_omeg	REACTOME RHO GTPASES ACTIVATE ROCKS	15	0.61959124	1.5111461	0.08235294	0.13420187	0.958	1749	laga=73%, lft=15%, signal=86%
SD_omeg	REACTOME NUCLEOTIDE_BINDING_DOMAIN_LEUCINE_RICH_REPEAT_CONTAINING_RECEPTOR_NLR_SIGNALING_PATHWAYS	38	0.56748486	1.5123435	0.070281126	0.13442305	0.957	4196	laga=60%, lft=35%, signal=126%
SD_omeg	REACTOME MYD88 INDEPENDENT TLR4 CASCADE	20	0.6896734	1.512984	0.078277886	0.13453677	0.957	3413	laga=70%, lft=29%, signal=84%
SD_omeg	REACTOME DAPI2 SIGNALING	61	0.59310615	1.5114251	0.08665737	0.13467701	0.958	2966	laga=60%, lft=25%, signal=101%
SD_omeg	REACTOME RHO GTPASES ACTIVATE PAKS	16	0.59189808	1.5089272	0.07156673	0.13500007	0.958	1545	laga=60%, lft=25%, signal=101%
SD_omeg	REACTOME EUKARYOTIC TRANSLATION INITIATION	82	0.4708831	1.5095843	0.12109375	0.13538134	0.958	2269	laga=60%, lft=29%, signal=79%
SD_omeg	REACTOME RAB GEFS EXCHANGE GTP FOR GDP ON RABS	55	0.47035837	1.5088138	0.07855466	0.13620065	0.959	3300	laga=60%, lft=28%, signal=95%
SD_omeg	REACTOME FLT3 SIGNALING	23	0.62271565	1.504883	0.107569724	0.13729975	0.96	4347	laga=91%, lft=37%, signal=144%
SD_omeg	REACTOME DISEASES OF MITOTIC CELL CYCLE	18	0.5380781	1.5016665	0.06358381	0.13877359	0.961	2640	laga=60%, lft=22%, signal=86%
SD_omeg	REACTOME CELLULAR RESPONSE TO STARVATION	90	0.6449914	1.5018681	0.11439842	0.13941118	0.961	1869	laga=59%, lft=17%, signal=63%
SD_omeg	REACTOME DOX5B F1H1 MEDIATED INDUCTION OF INTERFERON ALPHA BETA	48	0.5511124	1.4989891	0.10162601	0.14005676	0.962	3542	laga=59%, lft=30%, signal=93%
SD_omeg	REACTOME TOLEMERE MAINTENANCE	65	0.4716588	1.4988885	0.06126482	0.14281778	0.962	4364	laga=66%, lft=22%, signal=104%
SD_omeg	REACTOME SIGNALING BY CSF3 G_CSF	23	0.6200601	1.490281	0.11133201	0.1437676	0.962	2268	laga=57%, lft=19%, signal=70%
SD_omeg	REACTOME CYCLIN D ASSOCIATED EVENTS IN G1	24	0.5032877	1.4894444	0.05263158	0.147524			

SD_rneg	REACTOME_DISEASES_OF_SIGNAL_TRANSDUCTION_BY_GROWTH_FACTOR_RECEPTORS_AND_SECOND_MESSENGERS	274	0.34454605	1.4019377	0.10139165	0.20462326	0.992	2285	laga=43%, ltr=19%, signal=52%
SD_rneg	REACTOME_ORGANELLE_BIODESIGN_AND_MAINTENANCE	175	0.34548926	1.4022341	0.06225681	0.20494488	0.992	2707	laga=60%, ltr=23%, signal=57%
SD_rneg	REACTOME_GAP_FILLING_DNA_REPAIR_SYNTHESIS_AND_LIGATION_IN_GG_NER	17	0.5523256	1.3992169	0.13241106	0.2070706	0.993	1318	laga=41%, ltr=11%, signal=46%
SD_rneg	REACTOME_CHROMOSOME_MAINTENANCE	80	0.4353104	1.394019	0.11515152	0.21260788	0.993	2289	laga=38%, ltr=19%, signal=46%
SD_rneg	REACTOME_TOLL_LIKE_RECEPTOR_9_TLR9_CASCADE	60	0.4471805	1.3885592	0.154	0.21664706	0.994	3413	laga=58%, ltr=29%, signal=81%
SD_rneg	REACTOME_REGULATION_OF_TP53_ACTIVITY_THROUGH_PHOSPHORYLATION	59	0.4113767	1.3873513	0.10493827	0.21726304	0.994	3153	laga=53%, ltr=26%, signal=71%
SD_rneg	REACTOME_NEGATIVE_REGULATORY_REGULATION_OF_RNA_EXPRESSION	43	0.42372504	1.3890523	0.11220472	0.21732104	0.994	4384	laga=67%, ltr=37%, signal=105%
SD_rneg	REACTOME_SARS_COV_2_INFECTION	43	0.42372504	1.3890523	0.1122	0.21732252	0.994	2855	laga=49%, ltr=22%, signal=63%
SD_rneg	REACTOME_RAF_ACTIVATION	25	0.45664912	1.386043	0.17137097	0.21793164	0.994	3413	laga=60%, ltr=29%, signal=84%
SD_rneg	REACTOME_THE_ROLE_OF_NEF_IN_HIV_1_REPLICATION_AND_DISEASE_PATHOGENESIS	21	0.53136104	1.3846673	0.1484375	0.21862215	0.994	3393	laga=67%, ltr=28%, signal=93%
SD_rneg	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION_INITIATION_FROM_TYPE_1_PROMOTER	19	0.5989292	1.3826385	0.15328646	0.21933733	0.994	4332	laga=68%, ltr=36%, signal=107%
SD_rneg	REACTOME_REGULATION_OF_P7EN_GENE_TRANSCRIPTION	42	0.4016933	1.3831736	0.10117954	0.21959525	0.994	3334	laga=64%, ltr=29%, signal=89%
SD_rneg	REACTOME_MITOPHAGY	19	0.5307813	1.3814857	0.13346228	0.21991771	0.994	3542	laga=74%, ltr=30%, signal=105%
SD_rneg	REACTOME_HDR_THROUGH_SINGLE_STRAND_ANNHEALING_SSA	24	0.46869585	1.3790228	0.13545817	0.22194314	0.994	3153	laga=48%, ltr=26%, signal=62%
SD_rneg	REACTOME_B_WICH_COMPLEX_POSITIVELY_REGULATES_RNA_EXPRESSION	49	0.45218718	1.3772953	0.1045082	0.22316284	0.994	4364	laga=65%, ltr=37%, signal=103%
SD_rneg	REACTOME_IRON_UPTAKE_AND_TRANSPORT	32	0.45388377	1.3756508	0.15778689	0.22416777	0.994	1924	laga=47%, ltr=16%, signal=56%
SD_rneg	REACTOME_INTERFERON_SIGNALING	136	0.46544115	1.3731471	0.18528987	0.22523238	0.994	2851	laga=53%, ltr=24%, signal=69%
SD_rneg	REACTOME_NUCLEAR_ENVELOPE_NE_REASSEMBLY	45	0.37924495	1.3722426	0.09477756	0.22589445	0.994	2288	laga=47%, ltr=19%, signal=56%
SD_rneg	REACTOME_RNA_POLYMERASE_III_TRANSCRIPTION	25	0.5229533	1.373459	0.14872708	0.22592641	0.994	3114	laga=52%, ltr=26%, signal=70%
SD_rneg	REACTOME_SIGNALING_BY_FLT3_FUSION_PROTEINS	16	0.5531184	1.3713	0.14285715	0.22629742	0.994	1920	laga=50%, ltr=16%, signal=60%
SD_rneg	REACTOME_CELLULAR_SENESCENCE	109	0.3933715	1.3704686	0.11545988	0.22645341	0.994	2659	laga=44%, ltr=22%, signal=56%
SD_rneg	REACTOME_INSULIN_RECEPTOR_RECYCLING	16	0.5427298	1.3693575	0.1594203	0.22726248	0.996	176	laga=31%, ltr=11%, signal=32%
SD_rneg	REACTOME_REGULATION_OF_TNFR1_SIGNALING	19	0.5158901	1.367384	0.12774451	0.22712398	0.996	3645	laga=68%, ltr=31%, signal=93%
SD_rneg	REACTOME_DNA_DOUBLE_STRAND_BREAK_REPAIR	93	0.38429502	1.3678806	0.1237721	0.2278388	0.995	3190	laga=49%, ltr=27%, signal=63%
SD_rneg	REACTOME_GENE_SILENCING_BY_RNA	80	0.37861165	1.3645738	0.10526316	0.22791186	0.995	2213	laga=44%, ltr=19%, signal=53%
SD_rneg	REACTOME_TGF_BETA_DEPENDENT_SIGNALING_IN_RESPONSE_TO_WNT	148	0.34191522	1.3681155	0.088	0.22837842	0.995	1783	laga=32%, ltr=16%, signal=37%
SD_rneg	REACTOME_EUKARYOTIC_TRANSCRIPTION_ELONGATION	63	0.7057398	1.364369	0.2149847	0.22861847	0.996	2289	laga=63%, ltr=19%, signal=79%
SD_rneg	REACTOME_SIGNALING_BY_PDGFR_IN_CELL_GROWTH	17	0.5331292	1.3657169	0.16996987	0.22879355	0.996	1960	laga=65%, ltr=16%, signal=77%
SD_rneg	REACTOME_DUAL_INCISION_IN_GG_NER	24	0.5473689	1.3601785	0.18145162	0.23233397	0.997	3166	laga=63%, ltr=27%, signal=85%
SD_rneg	REACTOME_RNA_POLYMERASE_I_TRANSCRIPTION	58	0.44307163	1.3584138	0.125	0.23373233	0.997	4364	laga=67%, ltr=37%, signal=106%
SD_rneg	REACTOME_PROCESSING_OF_DNA_DOUBLE_STRAND_BREAK_ENDS	59	0.4202735	1.3569876	0.13414635	0.2339611	0.997	3190	laga=44%, ltr=27%, signal=60%
SD_rneg	REACTOME_LYSOSOME_VESICLE_BIOGENESIS	25	0.46919118	1.3575585	0.16230278	0.23433834	0.997	2113	laga=52%, ltr=18%, signal=64%
SD_rneg	REACTOME_TGF_ALPHA_RECEPTOR_SIGNALING_ACTIVATES_SMADS	19	0.45619818	1.359443	0.14448806	0.23459466	0.997	2113	laga=52%, ltr=18%, signal=64%
SD_rneg	REACTOME_GLYCOSE_METABOLISM	55	0.37040075	1.3536733	0.125	0.23579898	0.997	2179	laga=53%, ltr=18%, signal=64%
SD_rneg	REACTOME_NONHOMOLOGOUS_END_JOINING_NHEJ	40	0.4651394	1.3542281	0.12525253	0.23569433	0.997	4364	laga=65%, ltr=37%, signal=102%
SD_rneg	REACTOME_HSF1_ACTIVATION	18	0.4736222	1.3513638	0.15414259	0.23657278	0.997	2636	laga=61%, ltr=16%, signal=78%
SD_rneg	REACTOME_TRANSCRIPTIONAL_ACTIVATION_OF_MITOCHONDRIAL_BIOGENESIS	33	0.45766813	1.3514805	0.14143427	0.23726238	0.997	3574	laga=73%, ltr=30%, signal=104%
SD_rneg	REACTOME_PLATELET_SENSITIZATION_PATHWAY	22	0.5143265	1.3497491	0.1692166	0.23750474	0.997	3009	laga=60%, ltr=37%, signal=87%
SD_rneg	REACTOME_ADAPTIVE_IMMUNE_SYSTEM	500	0.34360048	1.3451934	0.13855422	0.24256383	0.997	2872	laga=42%, ltr=22%, signal=53%
SD_rneg	REACTOME_HOMOLOG_DIRECTED_REPAIR	76	0.4005965	1.3419679	0.15294118	0.24400333	0.997	3190	laga=49%, ltr=27%, signal=61%
SD_rneg	REACTOME_PYROPTOSIS	22	0.49946582	1.3422475	0.16122448	0.24450548	0.997	3029	laga=64%, ltr=25%, signal=85%
SD_rneg	REACTOME_ROLE_OF_PHOSPHOLIPIDS_IN_PHAGOCYTOSIS	17	0.5224697	1.3424597	0.14624506	0.24511577	0.997	2489	laga=65%, ltr=21%, signal=81%
SD_rneg	REACTOME_RESOLUTION_OF_ABASIC_SITES_BY_LDL	15	0.5078283	1.3391168	0.17107943	0.24670225	0.997	3413	laga=62%, ltr=29%, signal=103%
SD_rneg	REACTOME_RAC2_CYCLE_CYCLE	65	0.3818889	1.3329356	0.18255578	0.25192866	0.997	2669	laga=60%, ltr=22%, signal=77%
SD_rneg	REACTOME_ACTIVATION_OF_BH3_ONLY_PROTEINS	19	0.500054	1.3341342	0.1423019	0.25198866	0.997	3925	laga=84%, ltr=33%, signal=125%
SD_rneg	REACTOME_DARRP_32_EVENTS	17	0.45405662	1.3330741	0.1764706	0.25258198	0.997	3495	laga=65%, ltr=29%, signal=91%
SD_rneg	REACTOME_SMOOTH_MUSCLE_CONTRACTION	25	0.47026873	1.3317924	0.1801164	0.25260746	0.997	2225	laga=60%, ltr=19%, signal=74%
SD_rneg	REACTOME_RESOLUTION_OF_ABASIC_SITES_AP_SITES	23	0.5098965	1.3293948	0.202	0.25391415	0.997	3540	laga=65%, ltr=30%, signal=95%
SD_rneg	REACTOME_COPY_MEDIATED_VESICLE_TRANSPORT	49	0.39888254	1.3290843	0.16370809	0.25408277	0.997	3256	laga=65%, ltr=31%, signal=96%
SD_rneg	REACTOME_METALLOPROTEASE_DUBS	15	0.5116445	1.3272457	0.12269939	0.25556985	0.997	2782	laga=54%, ltr=23%, signal=70%
SD_rneg	REACTOME_SIGNALING_BY_WNT	212	0.3149488	1.326516	0.0990099	0.25567263	0.997	2684	laga=41%, ltr=22%, signal=51%
SD_rneg	REACTOME_TRAF6_MEDIATED_NF_KB_ACTIVATION	17	0.5367893	1.3189514	0.2019802	0.26373312	0.997	3320	laga=65%, ltr=28%, signal=90%
SD_rneg	REACTOME_INHIBITION_OF_DNA_RECOMBINATION_AT_TELOMERE	32	0.4534243	1.3172369	0.16942106	0.27050474	0.997	4364	laga=67%, ltr=37%, signal=106%
SD_rneg	REACTOME_INTRINSIC_PATHWAY_FOR_APOPTOSIS	32	0.42148173	1.3102399	0.15708812	0.27167894	0.997	3925	laga=65%, ltr=31%, signal=96%
SD_rneg	REACTOME_VEGFR2_MEDIATED_VASCULAR_PERMEABILITY	16	0.50073403	1.3061513	0.19642857	0.27237272	0.997	3073	laga=69%, ltr=26%, signal=92%
SD_rneg	REACTOME_ESR_MEDIATED_SIGNALING	132	0.34290513	1.2984586	0.14117648	0.28626856	0.997	2519	laga=42%, ltr=12%, signal=52%
SD_rneg	REACTOME_INFECTION_WITH_MYCOBACTERIUM_TUBERCULOSIS	18	0.505532	1.2962142	0.22357723	0.2881647	0.998	2659	laga=46%, ltr=21%, signal=71%
SD_rneg	REACTOME_LATE_ENDOSOMAL_MICROAUTOPHAGY	23	0.453212	1.2943553	0.18774703	0.28945459	0.999	2035	laga=43%, ltr=17%, signal=56%
SD_rneg	REACTOME_SIGNALING_BY_HEDGEHOG	50	0.3133159	1.2918124	0.166992	0.2919241	0.999	1355	laga=30%, ltr=15%, signal=40%
SD_rneg	REACTOME_HCMV_LATE_EVENTS	59	0.3960898	1.2886714	0.16699901	0.29475904	0.999	2449	laga=43%, ltr=21%, signal=47%
SD_rneg	REACTOME_MEMBRANE_TRAFFICKING	416	0.30302575	1.2860017	0.18875502	0.2972839	0.999	2335	laga=38%, ltr=20%, signal=46%
SD_rneg	REACTOME_CLATHRIN_MEDIATED_ENDOCYTOSIS	100	0.3418842	1.2840492	0.19521194	0.29895374	0.999	2136	laga=38%, ltr=18%, signal=44%
SD_rneg	REACTOME_RUNX1_REGULATES_GENES_INVOLVED_IN_MEGAKARYOCYTE_DIFFERENTIATION_AND_PLATELET_FUNCTION	51	0.44208985	1.280455	0.21327968	0.3005919	0.999	4364	laga=71%, ltr=37%, signal=111%
SD_rneg	REACTOME_RHOV_GTPASE_CYCLE	23	0.43172687	1.2796141	0.19591837	0.30071548	0.999	1593	laga=48%, ltr=13%, signal=55%
SD_rneg	REACTOME_SIGNALING_BY_NOTCH1	47	0.4092788	1.2810243	0.2475442	0.30082528	0.999	3037	laga=57%, ltr=26%, signal=77%
SD_rneg	REACTOME_ASSOCIATION_OF_TRIC_CCT_WITH_TARGET_PROTEINS_DURING_BIOSYNTHESIS	27	0.3962327	1.2810339	0.20384616	0.30182025	0.999	3037	laga=57%, ltr=26%, signal=77%
SD_rneg	REACTOME_INTRA_GOLGI_TRAFFIC	26	0.4170633	1.2767198	0.17102616	0.30254137	0.999	4077	laga=62%, ltr=34%, signal=95%
SD_rneg	REACTOME_RNA_DNA_DNA_DNA_FUSIONS	34	0.32832398	1.2732286	0.2037268	0.30325168	0.999	2278	laga=59%, ltr=21%, signal=74%
SD_rneg	REACTOME_BASE_EXCISION_REPAIR	94	0.41818136	1.2714883	0.20502012	0.30581128	0.999	4364	laga=67%, ltr=37%, signal=105%
SD_rneg	REACTOME_HDR_THROUGH_HOMOLOGOUS_RECOMBINATION_HRR	36	0.40823174	1.2723735	0.20808081	0.30609899	0.999	2091	laga=38%, ltr=18%, signal=44%
SD_rneg	REACTOME_TP53_REGULATES_TRANSCRIPTION_OF_CELL_DEATH_GENES	24	0.4124008	1.2717384	0.19681908	0.30616555	0.999	1625	laga=33%, ltr=14%, signal=39%
SD_rneg	REACTOME_SIGNALING_BY_ERYTHROPOIETIN	21	0.5195615	1.2725909	0.25198412	0.30697134	0.999	3110	laga=61%, ltr=26%, signal=80%
SD_rneg	REACTOME_ANCHORING_OF_THE_BASAL_BODY_TO_THE_PLASMA_MEMBRANE	58	0.39638852	1.2689016	0.18235295	0.30974331	0.999	2845	laga=60%, ltr=20%, signal=74%
SD_rneg	REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM	488	0.33838963	1.2694945	0.2078079	0.30985853	0.999	2814	laga=44%, ltr=19%, signal=56%
SD_rneg	REACTOME_SEMAD_INDUCED_CELL_MIGRATION_AND_GROWTH_CONE_COLLAPSE	83	0.48178692	1.26378	0.2390327	0.31176522	0.999	1944	laga=43%, ltr=16%, signal=49%
SD_rneg	REACTOME_INTERLEUKIN_RECEPTOR_SHC_SIGNALING	24	0.4759188	1.2630249	0.23320158	0.31180438	0.999	2003	laga=46%, ltr=17%, signal=56%
SD_rneg	REACTOME_AUTOPHAGY	101	0.3333385	1.263827	0.18503937	0.3126528	0.999	2750	laga=44%, ltr=23%, signal=56%
SD_rneg	REACTOME_RESOLUTION_OF_SISTER_CHROMATID_COHESION	73	0.31269982	1.2573923	0.16389562	0.31811517	0.999	2126	laga=37%, ltr=18%, signal=45%
SD_rneg	REACTOME_SIGNALING_BY_BRAF_AND_RAS_FUSIONS	48	0.3733384	1.259445	0.2357226	0.32042393	0.999	1947	laga=44%, ltr=19%, signal=56%
SD_rneg	REACTOME_OXIDATIVE_STRESS_INDUCED_SENESCENCE	62	0.39162323	1.2531121	0.224	0.3218092	0.999	4481	laga=47%, ltr=20%, signal=61%

SD	reactome	REACTOME HCMV INFECTION	90	0.30874306	1.1679173	0.23818988	0.38152313	1	2699	laga=42%, list=23%, signal=54%
SD	reactome	REACTOME GLYCERIN METABOLISM	16	0.4276883	1.166272	0.3121223	0.38702124	1	2301	laga=50%, list=23%, signal=56%
SD	reactome	REACTOME CD200 DC SIGN SIGNALING	16	0.4802219	1.161158	0.3313253	0.388388	1	2206	laga=56%, list=19%, signal=56%
SD	reactome	REACTOME TRANSCRIPTIONAL REGULATION OF WHITE ADIPOCYTE DIFFERENTIATION	59	0.3503033	1.1602529	0.3046875	0.3882621	1	3706	laga=68%, list=32%, signal=90%
SD	reactome	REACTOME RHOD GTPASE CYCLE	39	0.32234962	1.1548463	0.28710938	0.394752	1	888	laga=26%, list=8%, signal=28%
SD	reactome	REACTOME PYRUVATE METABOLISM AND CITRIC ACID TCA CYCLE	33	0.3769119	1.1527755	0.2985972	0.39537513	1	3433	laga=61%, list=29%, signal=86%
SD	reactome	REACTOME SIGNALING BY KIT IN DISEASE	15	0.46716347	1.1535981	0.33137256	0.39539122	1	3110	laga=76%, list=20%, signal=86%
SD	reactome	REACTOME INTERFERON GAMMA SIGNALING	64	0.40032088	1.1538963	0.307778	0.39539122	1	2457	laga=47%, list=21%, signal=54%
SD	reactome	REACTOME FGF2 ALTERNATIVE SPLICING	22	0.4307969	1.1478864	0.3313492	0.39899665	1	3002	laga=64%, list=25%, signal=86%
SD	reactome	REACTOME SIGNALING BY NUCLEAR RECEPTORS	176	0.27382722	1.1482556	0.26262626	0.39948338	1	2519	laga=38%, list=21%, signal=46%
SD	reactome	REACTOME INTERLEUKIN 37 SIGNALING	17	0.39608297	1.1404088	0.3041825	0.40788995	1	1815	laga=47%, list=15%, signal=52%
SD	reactome	REACTOME TOLL LIKE RECEPTOR TLR1_TLR2 CASCADE	66	0.3441818	1.138148	0.32919255	0.40886113	1	3413	laga=62%, list=29%, signal=72%
SD	reactome	REACTOME SMAD2 SMAD3 SMAD4 HETEROTRIMER REGULATES TRANSCRIPTION	15	0.36845383	1.1383777	0.30305032	0.40890953	1	3352	laga=53%, list=28%, signal=74%
SD	reactome	REACTOME DNA DOUBLE STRAND BREAK RESPONSE	48	0.34398216	1.1323553	0.31960603	0.41245286	1	3417	laga=48%, list=29%, signal=64%
SD	reactome	REACTOME NR1H3 NR1H2 REGULATE GENE EXPRESSION LINKED_TO_CHOLESTEROL_TRANSPORT_AND_EFFLUX	24	0.4109087	1.1335814	0.37575758	0.41280788	1	3377	laga=71%, list=28%, signal=99%
SD	reactome	REACTOME HSP90 CHAPERONE CYCLE FOR STEROID HORMONE RECEPTORS SHR	41	0.31504714	1.1342167	0.28988254	0.4130509	1	2262	laga=44%, list=19%, signal=54%
SD	reactome	REACTOME SIGNALING IN PROGRAMMED CELL DEATH	15	0.42213273	1.1325487	0.32692307	0.41321086	1	3343	laga=67%, list=27%, signal=96%
SD	reactome	REACTOME DISEASES OF PROGRAMMED CELL DEATH	52	0.3452704	1.1258103	0.31440163	0.42013487	1	2293	laga=51%, list=19%, signal=58%
SD	reactome	REACTOME DISEASES OF IMMUNE SYSTEM	21	0.4392831	1.1205199	0.35211268	0.42618302	1	2902	laga=75%, list=24%, signal=75%
SD	reactome	REACTOME FORMATION OF THE BETA CATENIN TCF TRANSACTIVATING COMPLEX	46	0.37070882	1.1166048	0.3632653	0.42916536	1	4481	laga=69%, list=31%, signal=108%
SD	reactome	REACTOME MEIOTIC SYNAPSIS	43	0.34152043	1.1173778	0.32032853	0.42920288	1	1863	laga=32%, list=16%, signal=36%
SD	reactome	REACTOME EPH EPHRIN SIGNALING	71	0.33187177	1.1117694	0.3559592	0.43467236	1	1414	laga=32%, list=22%, signal=37%
SD	reactome	REACTOME CIMM ASSEMBLY	114	0.32343475	1.1103561	0.29	0.43563493	1	2399	laga=57%, list=20%, signal=46%
SD	reactome	REACTOME SIGNALING BY FGF2	55	0.2860082	1.1086421	0.30218888	0.4380552	1	1911	laga=63%, list=16%, signal=47%
SD	reactome	REACTOME CIRCADIAN CLOCK	40	0.35061556	1.1069762	0.34816247	0.43699414	1	3500	laga=63%, list=29%, signal=88%
SD	reactome	REACTOME PROTEIN FOLDING	68	0.2820296	1.1071534	0.30588236	0.4377578	1	3037	laga=49%, list=26%, signal=66%
SD	reactome	REACTOME G BETA GAMMA SIGNALING THROUGH CDC42	15	0.38817477	1.1034462	0.34207113	0.44073785	1	1801	laga=50%, list=23%, signal=47%
SD	reactome	REACTOME TOLL LIKE RECEPTOR CASCADES	100	0.31537079	1.1025146	0.3402511	0.44073933	1	3461	laga=55%, list=29%, signal=74%
SD	reactome	REACTOME RHO GTPASE CYCLE	300	0.24997535	1.098165	0.3294347	0.44139796	1	2585	laga=42%, list=22%, signal=52%
SD	reactome	REACTOME RHO GTPASES ACTIVATE PKNS	51	0.33221024	1.098725	0.3670103	0.44166172	1	1783	laga=27%, list=15%, signal=32%
SD	reactome	REACTOME DETOXIFICATION OF REACTIVE OXYGEN SPECIES	28	0.3643939	1.0988663	0.34583333	0.4424477	1	1621	laga=32%, list=14%, signal=37%
SD	reactome	REACTOME TRANSPORT TO THE GOLGI AND SUBSEQUENT MODIFICATION	121	0.29894962	1.0953942	0.33693596	0.44287223	1	2699	laga=49%, list=23%, signal=57%
SD	reactome	REACTOME APOPTOTIC DEATH PHASE	34	0.32878497	1.0959197	0.32405697	0.4432972	1	2978	laga=57%, list=23%, signal=74%
SD	reactome	REACTOME COPI MEDIATED ANTEROGRADE TRANSPORT	70	0.27513817	1.0904407	0.32877165	0.44501774	1	2899	laga=46%, list=23%, signal=59%
SD	reactome	REACTOME RAB GERANYLERVYLATION	44	0.33349667	1.0884314	0.34705883	0.45071375	1	2647	laga=45%, list=22%, signal=58%
SD	reactome	REACTOME SIGNALING BY VEGF	77	0.3124202	1.0888138	0.36659878	0.45133224	1	2459	laga=44%, list=21%, signal=50%
SD	reactome	REACTOME METABOLISM OF AMINO ACIDS AND DERIVATIVES	238	0.2999446	1.0861578	0.3647059	0.4527273	1	1828	laga=32%, list=16%, signal=37%
SD	reactome	REACTOME RECOGNITION FOR CLATHRIN MEDIATED ENDOCYTOSIS	15	0.27385723	1.0819443	0.3389356	0.45725616	1	1271	laga=24%, list=11%, signal=24%
SD	reactome	REACTOME COOPERATION OF PDCD1 PHLP1 AND TRIC CCT IN G PROTEIN BETA FOLDING	29	0.32524596	1.0722223	0.36533664	0.46894917	1	2514	laga=48%, list=21%, signal=61%
SD	reactome	REACTOME SIGNALING BY MODERATE KINASE ACTIVITY BRAF MUTANTS	37	0.34994897	1.0701042	0.39751554	0.4695788	1	2050	laga=48%, list=17%, signal=54%
SD	reactome	REACTOME DOWNSTREAM SIGNAL TRANSDUCTION	23	0.33405364	1.0708109	0.3754553	0.4696888	1	2789	laga=57%, list=23%, signal=74%
SD	reactome	REACTOME TRNA MODIFICATION IN THE NUCLEUS AND CYTOSOL	16	0.41112354	1.0679466	0.4181174	0.47148497	1	3392	laga=56%, list=28%, signal=79%
SD	reactome	REACTOME SIGNALING BY FGF2 IIIa TM	17	0.39289865	1.0622947	0.4072586	0.4700754	1	3002	laga=56%, list=24%, signal=79%
Control	reactome	REACTOME CLASS A RHODOPSIN LIKE RECEPTORS	226	-0.35353643	-1.2978296	0.088425105	0.4815626	1	5694	laga=85%, list=42%, signal=145%
Control	reactome	REACTOME SHC MEDIATED CASCADE FGF4	16	-0.4727008	-1.3049649	0.154	0.48279062	1	3965	laga=59%, list=33%, signal=94%
Control	reactome	REACTOME NEUROTRANSMITTER RECEPTORS AND POSTSYNAPTIC SIGNAL TRANSMISSION	139	-0.37473845	-1.2890111	0.18023255	0.48446247	1	4190	laga=50%, list=35%, signal=77%
Control	reactome	REACTOME POTASSIUM CHANNELS	17	-0.43707207	-1.3016045	0.20117188	0.4846089	1	4107	laga=58%, list=34%, signal=89%
Control	reactome	REACTOME ION CHANNEL TRANSPORT	128	-0.38071734	-1.30618	0.16374269	0.48547179	1	4723	laga=59%, list=34%, signal=89%
Control	reactome	REACTOME DIGESTION AND ABSORPTION	19	-0.5288687	-1.2931721	0.20117188	0.48845167	1	4049	laga=60%, list=34%, signal=84%
SD	reactome	REACTOME ERK MAPK TARGETS	15	0.4011454	1.054985	0.39607844	0.48882067	1	3413	laga=60%, list=29%, signal=84%
Control	reactome	REACTOME METABOLISM OF STEROID HORMONES	25	-0.4428749	-1.238115	0.20582524	0.48700252	1	5672	laga=80%, list=48%, signal=152%
Control	reactome	REACTOME HEPARAN SULFATE HEPARAN HS GAG METABOLISM	35	-0.4386271	-1.2902246	0.1895512	0.48727753	1	5301	laga=69%, list=45%, signal=123%
SD	reactome	REACTOME BASE EXCISION REPAIR AP SITE FORMATION	31	0.38538968	1.0819443	0.39583334	0.48725495	1	7566	laga=100%, list=64%, signal=274%
Control	reactome	REACTOME DIGESTION	16	-0.51829536	-1.2448349	0.244	0.4874396	1	5049	laga=81%, list=42%, signal=114%
SD	reactome	REACTOME MEIOSIS	67	0.2874739	1.052942	0.39958593	0.48780623	1	861	laga=16%, list=7%, signal=18%
Control	reactome	REACTOME CARDIAC CONDUCTION	95	-0.4066815	-1.29494	0.22113504	0.48803067	1	4563	laga=62%, list=38%, signal=100%
Control	reactome	REACTOME G ALPHA S SIGNALING EVENTS	91	-0.38378346	-1.2973536	0.111328125	0.48827213	1	5249	laga=64%, list=44%, signal=113%
Control	reactome	REACTOME HS GAG BIOSYNTHESIS	21	-0.50620796	-1.2820433	0.19646366	0.48915157	1	4868	laga=78%, list=41%, signal=129%
Control	reactome	REACTOME SULFUR AMINO ACID METABOLISM	19	-0.43849817	-1.2341242	0.19839279	0.49059414	1	4049	laga=60%, list=34%, signal=84%
Control	reactome	REACTOME STRIATED MUSCLE CONTRACTION	22	-0.46456213	-1.3064766	0.1468254	0.4906865	1	2224	laga=45%, list=19%, signal=56%
Control	reactome	REACTOME PLATELET HOMEOSTASIS	63	-0.3230709	-1.2786704	0.11545988	0.49068713	1	1545	laga=22%, list=13%, signal=25%
Control	reactome	REACTOME A TETRASACCHARIDE LINKER SEQUENCE IS REQUIRED FOR GAG SYNTHESIS	20	-0.47552323	-1.2831443	0.21632653	0.49113408	1	5150	laga=70%, list=43%, signal=123%
Control	reactome	REACTOME SENSORY PROCESSING OF SOUND	59	-0.3753907	-1.2449543	0.19589471	0.4917589	1	4239	laga=69%, list=36%, signal=86%
Control	reactome	REACTOME FLAVIN REDUCTION FOR CLATHRIN MEDIATED ENDOCYTOSIS	20	-0.42839288	-1.246498	0.22367691	0.4921567	1	4599	laga=69%, list=36%, signal=86%
Control	reactome	REACTOME SYNTHESIS OF LEUKOTRIENES LT AND EXOINS EX	16	-0.4869887	-1.258562	0.1940594	0.4921118	1	3627	laga=50%, list=30%, signal=72%
SD	reactome	REACTOME HCMV EARLY EVENTS	72	0.28753623	1.0483688	0.396	0.49218184	1	2179	laga=50%, list=18%, signal=44%
Control	reactome	REACTOME DISEASES ASSOCIATED WITH GLYCOSAMINOGLYCAN METABOLISM	30	-0.4228179	-1.24869	0.20866142	0.49350414	1	5150	laga=67%, list=43%, signal=117%
Control	reactome	REACTOME SYNTHESIS OF PA	24	-0.40425432	-1.2497393	0.19560377	0.49392828	1	3437	laga=40%, list=29%, signal=58%
Control	reactome	REACTOME HEPARAN SULFATE BIOSYNTHESIS	20	-0.42839288	-1.246498	0.22367691	0.494021	1	4502	laga=69%, list=36%, signal=86%
Control	reactome	REACTOME PHASE 0 RAPID DEPOLARISATION	22	-0.5475687	-1.3074178	0.1750593	0.49483508	1	4374	laga=82%, list=45%, signal=129%
Control	reactome	REACTOME SYNTHESIS OF BILE ACIDS AND BILE SALTS	26	-0.40849318	-1.223212	0.20682731	0.4946626	1	4609	laga=59%, list=39%, signal=94%
Control	reactome	REACTOME BILE ACID AND BILE SALT METABOLISM	34	-0.41328856	-1.257376	0.18934911	0.49503323	1	4609	laga=59%, list=39%, signal=96%
Control	reactome	REACTOME AMINO ACID TRANSPORT ACROSS THE PLASMA MEMBRANE	19	-0.50369614	-1.2358992	0.24852072	0.49508196	1	4736	laga=74%, list=40%, signal=122%
Control	reactome	REACTOME CA DEPENDENT EVENTS	23	-0.4902587	-1.2717981	0.18588665	0.49515847	1	3837	laga=49%, list=32%, signal=70%
Control	reactome	REACTOME INTERACTION BETWEEN L1 AND ANKYRINS	24	-0.49517003	-1.250449	0.26889328	0.49545117	1	3268	laga=67%, list=41%, signal=143%
Control	reactome	REACTOME PEPTIDE LIGAND BINDING RECEPTORS	138	-0.37079805	-1.2898726	0.13555992	0.4955899	1	5857	laga=74%, list=49%, signal=143%
Control	reactome	REACTOME REGULATION OF GENE EXPRESSION IN BETA CELLS	17	-0.48466322	-1.2501569	0.1875	0.4955973	1	5762	laga=88%, list=48%, signal=154%
Control	reactome	REACTOME INTRINSIC PATHWAY OF FIBRIN CLOT FORMATION	16	-0.47841234	-1.2248416	0.23149905	0.49575222	1	2821	laga=50%, list=24%, signal=65%
Control	reactome	REACTOME VISUAL PHOTOTRANSDUCTION	17	-0.42275817	-1.3088406	0.1726223	0.49738047	1	5698	laga=78%, list=49%, signal=145%
Control	reactome	REACTOME PHASE 4 RESTING MEMBRANE POTENTIAL	17	-0.5101023	-1.259772	0.267659	0.4978902	1	4563	laga=78%, list=49%, signal=145%
Control	reactome	REACTOME NEUREXINS AND NEUROLIGINS	36	-0.4894546	-1.2279388	0.30097088	0.49815246	1	4800	laga=72%, list=40%, signal=121%
Control	reactome	REACTOME CELL CELL COMMUNICATION	98	-0.3442273	-1.2726917	0.15992293	0.4984282	1	3551	

Control	REACTOME NEGATIVE REGULATION OF TGF BETA DEPENDENT SIGNALING BY WNT LIGAND ANTAGONISTS	15	-0.4754933	-1.1579666	0.3147928	0.5458912	1	5866	laga=87%, lita=49%, signal=171%
Control	REACTOME INSTANT NEUROTRANSMITTER RELEASE CYCLE	18	-0.5518786	-1.336909	0.1342228	0.4745285	0.999	4468	laga=84%, lita=38%, signal=130%
SD_rnaseq	REACTOME RDS AND RNS PRODUCTION IN PHAGOCYTES	25	0.3262489	0.9630781	0.4766949	0.5472342	1	176	laga=20%, lita=7%, signal=2%
Control	REACTOME GPCR LIGAND BINDING	308	-0.36607198	-1.329204	0.07528988	0.5473233	1	5719	laga=67%, lita=48%, signal=126%
SD_rnaseq	REACTOME NERVOUS SYSTEM DEVELOPMENT	424	0.2162833	0.9934963	0.47011954	0.5477932	1	1693	laga=26%, lita=13%, signal=29%
Control	REACTOME CELL CELL JUNCTION ORGANIZATION	45	-0.47183109	-1.3712456	0.09664694	0.5500814	0.995	3551	laga=58%, lita=30%, signal=82%
Control	REACTOME NEUROTRANSMITTER RELEASE CYCLE	32	-0.5030621	-1.5312342	0.14980138	0.55099314	0.999	4468	laga=78%, lita=38%, signal=125%
Control	REACTOME ACTIVATION OF NMDA RECEPTORS AND POSTSYNAPTIC EVENTS	19	-0.3235979	-1.3823389	0.3823389	0.5511167	0.995	4190	laga=48%, lita=35%, signal=74%
Control	REACTOME BINDING AND UPTAKE OF LIGANDS BY SCAVENGER RECEPTORS	30	-0.42403507	-1.3404727	0.10404624	0.55187327	0.997	1545	laga=37%, lita=13%, signal=42%
Control	REACTOME SIGNALING BY BMPK	15	-0.4756523	-1.3368481	0.15662651	0.5526736	0.998	3372	laga=53%, lita=30%, signal=76%
Control	REACTOME SYNDECAN INTERACTIONS	20	-0.46414426	-1.3529657	0.100204	0.5529855	0.996	3822	laga=50%, lita=32%, signal=81%
Control	REACTOME GAP JUNCTION TRAFFICKING AND REGULATION	38	-0.37525217	-1.1388807	0.31782946	0.55476713	1	5255	laga=68%, lita=44%, signal=122%
Control	REACTOME VOLTAGE GATED POTASSIUM CHANNELS	31	-0.5303771	-1.3725419	0.0920572	0.55672973	0.995	4021	laga=71%, lita=34%, signal=107%
Control	REACTOME ENDOGENOUS STEROLS	23	-0.4694076	-1.3550626	0.10176126	0.5572732	0.996	1167	laga=35%, lita=10%, signal=38%
Control	REACTOME ANTIMICROBIAL PEPTIDES	44	-0.40588158	-1.34149	0.1042471	0.5580205	0.997	4006	laga=50%, lita=34%, signal=75%
Control	REACTOME REGULATION OF INSULIN SECRETION	51	-0.32904765	-1.1450833	0.25285172	0.5580775	1	3937	laga=41%, lita=33%, signal=61%
Control	REACTOME_CREB1_PHOSPHORYLATION_THROUGH_NMDA_RECEPTOR_MEDIATED_ACTIVATION_OF_FAS_SIGNALING	18	-0.37852034	-1.1395949	0.28285107	0.5585989	1	3591	laga=39%, lita=30%, signal=55%
Control	REACTOME UPTAKE AND ACTIONS OF BACTERIAL TOXINS	20	-0.34249007	-1.1462574	0.28827038	0.5595753	1	2215	laga=30%, lita=19%, signal=37%
Control	REACTOME CONSTITUTIVE SIGNALING BY ABERRANT PI3K IN CANCER	56	-0.32866287	-1.1244023	0.3280318	0.5600196	1	4318	laga=52%, lita=36%, signal=81%
Control	REACTOME_G_ALPHA_Q_SIGNALING_EVENTS	147	-0.29187176	-1.1285459	0.2591171	0.56005655	1	5483	laga=54%, lita=46%, signal=98%
Control	REACTOME DECTIN 2 FAMILY	20	-0.42034525	-1.1306581	0.3391473	0.5602883	1	4542	laga=49%, lita=15%, signal=74%
Control	REACTOME TRIALCYCLIC METABOLISM	21	-0.3818556	-1.1365341	0.3115546	0.5615554	1	4542	laga=62%, lita=38%, signal=100%
Control	REACTOME DAG AND IP3 SIGNALING	23	-0.4023692	-1.3433039	0.10689146	0.5620785	0.997	3843	laga=44%, lita=32%, signal=70%
Control	REACTOME_FGFR2_LIGAND_BINDING_AND_ACTIVATION	16	-0.46216923	-1.1249813	0.3574297	0.5627936	1	5825	laga=94%, lita=49%, signal=183%
Control	REACTOME_CLASS_B_2_SECRETIN_FAMILY_RECEPTORS	63	-0.36095837	-1.1380188	0.32163742	0.5630053	1	5786	laga=71%, lita=49%, signal=138%
Control	REACTOME_FRS_MEDIATED_FGFR2_SIGNALING	19	-0.39823166	-1.1398987	0.29666013	0.5636469	1	4199	laga=58%, lita=35%, signal=89%
Control	REACTOME PROTEIN PROTEIN INTERACTIONS AT SYNAPSES	68	-0.47448488	-1.3597919	0.1247694	0.5637635	0.996	4800	laga=72%, lita=29%, signal=121%
Control	REACTOME_GAP_JUNCTION_ASSEMBLY	28	-0.51718913	-1.3553892	0.10852713	0.56612694	0.996	5255	laga=68%, lita=44%, signal=153%
Control	REACTOME METABOLISM OF FAT SOLUBLE VITAMINS	35	-0.491477	-1.3727171	0.08416834	0.5670993	0.995	5018	laga=74%, lita=42%, signal=128%
SD_rnaseq	REACTOME SEMAPHORIN INTERACTIONS	49	0.28814438	0.9761986	0.48242188	0.56926477	1	1511	laga=33%, lita=13%, signal=37%
Control	REACTOME_O_GLYCOSYLATION_OF_TRS_DOMAIN_CONTAINING_PROTEINS	27	-0.6183871	-1.3751348	0.07474747	0.57049674	0.995	4005	laga=93%, lita=34%, signal=139%
Control	REACTOME SIGNALING BY MEK	56	-0.2950627	-1.1131853	0.3139881	0.5723074	1	1862	laga=29%, lita=16%, signal=34%
Control	REACTOME L1CAM INTERACTIONS	24	-0.35209074	-1.1194942	0.31417623	0.5723074	1	2342	laga=42%, lita=29%, signal=75%
Control	REACTOME SIGNALING BY IGF1 INSULIN LIKE GROWTH FACTOR 1 RECEPTOR IGF1R	39	-0.3247847	-1.1080949	0.36023623	0.5777334	1	5624	laga=62%, lita=47%, signal=116%
Control	REACTOME KERATINIZATION	139	-0.46982804	-1.376119	0.11047619	0.579242	0.995	4504	laga=73%, lita=38%, signal=116%
Control	REACTOME MOLECULES ASSOCIATED WITH ELASTIC FIBRES	24	-0.49851277	-1.3813486	0.09090909	0.5863549	0.995	3654	laga=76%, lita=31%, signal=96%
Control	REACTOME ION TRANSPORT BY P-TYPE ATPASES	39	-0.30421792	-1.0939153	0.33984543	0.5873755	1	3591	laga=58%, lita=30%, signal=86%
Control	REACTOME TIGHT JUNCTION INTERACTIONS	17	-0.5534348	-1.0977829	0.35447526	0.5922528	0.999	4049	laga=89%, lita=49%, signal=151%
SD_rnaseq	REACTOME_RHO_GTPASES_ACTIVATED_NADPH_OXIDASES	20	0.3946884	0.96132475	0.499002	0.5877932	1	2910	laga=55%, lita=24%, signal=73%
SD_rnaseq	REACTOME_VMPX_CARGO_TARGETING_TO_CILIA	15	0.3356411	0.9616607	0.5010101	0.5886708	1	1624	laga=40%, lita=14%, signal=46%
Control	REACTOME_SLC_TRANSPORTER_DISORDERS	60	-0.30562538	-1.0946168	0.33797216	0.59004164	1	3947	laga=43%, lita=33%, signal=64%
Control	REACTOME TRANSCRIPTIONAL REGULATION OF FLURIPOTENT STEM CELLS	28	-0.3631195	-1.0967207	0.34126985	0.5902317	1	3680	laga=42%, lita=31%, signal=61%
Control	REACTOME METABOLISM OF VITAMINS AND COFACTORS	68	-0.3032145	-1.0977829	0.35447526	0.5922528	1	3358	laga=40%, lita=28%, signal=75%
Control	REACTOME MUSCLE CONTRACTION	138	-0.3116984	-1.0980488	0.38735178	0.5941127	1	4563	laga=58%, lita=43%, signal=98%
SD_rnaseq	REACTOME ENERGY DEPENDENT REGULATION OF MTOR BY IKB1 AMPK	16	0.37457017	0.9554715	0.5121951	0.5946135	1	3263	laga=63%, lita=27%, signal=86%
Control	REACTOME TRP CHANNELS	21	-0.5154891	-1.3816124	0.11394892	0.5983034	0.995	4121	laga=67%, lita=35%, signal=102%
SD_rnaseq	REACTOME BASICIN INTERACTIONS	16	0.32271028	0.95176625	0.5262065	0.59861046	1	1024	laga=27%, lita=9%, signal=29%
Control	REACTOME XENOBIOTICS	19	-0.4743684	-1.3962305	0.08863199	0.603272	0.993	3687	laga=74%, lita=31%, signal=106%
SD_rnaseq	REACTOME_MAPK_FAMILY_SIGNALING_CASCADES	233	-0.20032008	-0.9478895	0.5507246	0.6033057	1	2241	laga=53%, lita=19%, signal=58%
Control	REACTOME_GABA_RECEPTOR_ACTIVATION	43	-0.3560637	-1.0780255	0.41811774	0.60439587	1	3186	laga=42%, lita=27%, signal=52%
Control	REACTOME FORMATION OF THE CORNFIED ENVELOPE	99	-0.49802387	-1.4081485	0.06126482	0.60547867	0.993	4504	laga=78%, lita=38%, signal=124%
Control	REACTOME SYNTHESIS OF BILE ACIDS AND BILE SALTS VIA 7ALPHA_HYDROXYCHOLESTEROL	18	-0.38990304	-1.075002	0.37917486	0.60568484	1	4609	laga=61%, lita=39%, signal=100%
Control	REACTOME METABOLISM OF VITAMINS AND COFACTORS	108	-0.2723316	-1.0705192	0.36836828	0.6060957	1	5918	laga=75%, lita=42%, signal=75%
Control	REACTOME SURFACTANT METABOLISM	23	-0.3830291	-1.070461	0.4022684	0.606551	1	5120	laga=70%, lita=43%, signal=122%
Control	REACTOME ACTIVATION OF MATRIX METALLOPROTEINASES	22	-0.52677196	-1.3908703	0.073267326	0.6069815	0.993	1625	laga=44%, lita=14%, signal=53%
SD_rnaseq	REACTOME_MAP2K_AND_MAPK_ACTIVATION	34	0.30711815	0.9438402	0.54771787	0.6072708	1	2050	laga=44%, lita=17%, signal=53%
Control	REACTOME TRANSMISSION ACROSS CHEMICAL SYNAPSES	181	-0.41198385	-1.327325	0.10980392	0.6079402	0.995	4190	laga=55%, lita=35%, signal=84%
Control	REACTOME ACYL CHAIN REMODELING OF PE	22	-0.37478653	-1.0706596	0.39232365	0.6098883	1	3052	laga=41%, lita=26%, signal=56%
Control	REACTOME PI3K_AKT_SIGNALING_IN_CANCER	65	-0.2923731	-1.0953563	0.3799126	0.6110463	1	4318	laga=51%, lita=35%, signal=86%
Control	REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR3	17	-0.37305654	-1.0581315	0.39096266	0.6120106	1	4318	laga=53%, lita=36%, signal=83%
Control	REACTOME_PI_3K_CASCADE_FGFR2	18	-0.3719396	-1.0536361	0.42300195	0.612397	1	4199	laga=61%, lita=35%, signal=94%
SD_rnaseq	REACTOME DEPOSITION OF NEW CEPNA CONTAINING NUCLEOSOMES AT THE CENTROMERE	35	0.32709304	0.9391446	0.5571125	0.6127212	1	4364	laga=68%, lita=43%, signal=108%
Control	REACTOME PEROXISOMAL LIPID METABOLISM	16	-0.47436845	-1.39736	0.08939709	0.6128289	0.993	2006	laga=89%, lita=22%, signal=84%
Control	REACTOME_IRS_MEDIATED_SIGNALING	24	-0.31723216	-1.052616	0.40814366	0.6137612	1	4318	laga=61%, lita=35%, signal=86%
Control	REACTOME RUNX2 REGULATES OSTEOBLAST DIFFERENTIATION	15	-0.3505325	-1.050488	0.3870334	0.6134275	1	4986	laga=53%, lita=42%, signal=92%
Control	REACTOME REGULATION OF FZD BY UBIQUITINATION	15	-0.4105484	-1.0612887	0.42226487	0.6141934	1	4762	laga=67%, lita=40%, signal=111%
Control	REACTOME REGULATION OF BETA CELL DEVELOPMENT	32	-0.3462848	-1.037123	0.44705883	0.61444056	1	5782	laga=72%, lita=48%, signal=139%
Control	REACTOME RUNX2 REGULATES BONE DEVELOPMENT	21	-0.32422012	-1.0343797	0.39215687	0.6155764	1	4886	laga=74%, lita=42%, signal=82%
Control	REACTOME FATTY ACID METABOLISM	98	-0.26183583	-0.9823691	0.3903628	0.6160957	1	4768	laga=50%, lita=29%, signal=74%
SD_rnaseq	REACTOME PROTEIN LOCALIZATION	89	-0.2829638	-0.9334879	0.5239923	0.61627743	1	2606	laga=34%, lita=22%, signal=46%
SD_rnaseq	REACTOME PLATELET ACTIVATION SIGNALING AND AGGREGATION	180	-0.2494571	-0.93453825	0.51329243	0.6165311	1	2514	laga=42%, lita=21%, signal=52%
SD_rnaseq	REACTOME G_BETA_GAMMA_SIGNALING_THROUGH_PI3KMAPK	18	0.30577552	0.9354334	0.5378323	0.61675596	1	3962	laga=63%, lita=33%, signal=100%
SD_rnaseq	REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES	18	0.32435474	0.9323806	0.51097804	0.6169506	1	2910	laga=50%, lita=24%, signal=66%
Control	REACTOME_G_PROTEIN_MEDIATED_EVENTS	31	-0.32178942	-1.0373929	0.41153062	0.61750057	1	3837	laga=42%, lita=32%, signal=62%
Control	REACTOME_RND_GTPASE_CYCLE	28	-0.32381172	-1.0438873	0.3890402	0.6180316	1	3153	laga=48%, lita=29%, signal=64%
SD_rnaseq	REACTOME SIGNALING TO ERKS	27	0.32817533	0.9384016	0.5395257	0.61851776	1	3243	laga=63%, lita=27%, signal=86%
Control	REACTOME_VASOPRESSIN_REGULATES_RENAL_WATER_HOMEOSTASIS_VIA_AQUAPORINS	27	-0.3175917	-1.038914	0.40484296	0.6186984	1	3837	laga=41%, lita=32%, signal=60%
Control	REACTOME WNT LIGAND BIOGENESIS AND TRAFFICKING	16	-0.40624398	-1.0452885	0.44921875	0.6190621	1	4566	laga=63%, lita=38%, signal=101%
Control	REACTOME GLYCEROPHOSPHOLIPID BIOSYNTHESIS	75	-0.2701174	-1.0406076	0.40831757	0.6195274	1	4326	laga=57%, lita=36%, signal=95%
Control	REACTOME THE CANONICAL RETINOID CYCLE IN RODS TWILIGHT VISION	16	-0.5854003	-1.3829816	0.10474306	0.6200764	0.994	4144	laga=81%, lita=43%, signal=124%
Control	REACTOME METABOLIC DISORDERS OF BIOLOGICAL OXIDATION ENZYMES	30	-0.5393156	-1.4083078	0.08076923	0.6208431	0.993	3606	laga=67%, lita=40%, signal=96%
SD_rnaseq	REACTOME SIGNALING BY SCF_KIT	31	0.3061248	0.92681575	0.53093815	0.6222433	1	3286	laga=61%, lita=28%, signal=84%
Control	REACTOME GLYOXYLATE METABOLISM AND GLYCINE DEGRADATION	24	-0.30303103	-1.025766	0.43887776	0.6263705	1	1431	laga=21%, lita=12%, signal=24%
Control	REACTOME MET ACTIVATES PI3K SIGNALING	22	-0.6186879	-1.3977507	0.088	0.6267601	0.993	3643	laga=86%, lita=31%, signal=124%
Control	REACTOME AQUOPORIN MEDIATED TRANSPORT	36	-0.3102347						

SD_omeg	Control	REACTOME APOPTOTIC CLEAVAGE OF CELLULAR PROTEINS	26	0.2659406	0.87072164	0.6044177	0.689613	1	2878	lga=58%, ltr=24%, signal=76%
SD_omeg	Control	REACTOME INTRACELLULAR TRANSPORT	29	0.280498	0.8709185	0.6130766	0.6884175	1	2943	lga=58%, ltr=24%, signal=76%
Control	Control	REACTOME METABOLISM OF STEROIDS	99	-0.21987113	-0.92251104	0.6226881	0.6884175	1	4627	lga=58%, ltr=24%, signal=76%
Control	Control	REACTOME NCAM1 INTERACTIONS	32	-0.59760475	-1.4476888	0.06187625	0.688402	0.983	3823	lga=81%, ltr=32%, signal=119%
Control	Control	REACTOME TRANSPORT OF BILE SALTS AND ORGANIC ACIDS METAL IONS AND AMINE COMPOUNDS	53	-0.5241801	-1.4664782	0.028571429	0.68665495	0.976	4237	lga=74%, ltr=36%, signal=114%
Control	Control	REACTOME CYTOCHROME P450 ARRANGED BY SUBSTRATE TYPE	49	-0.5080995	-1.4514651	0.044145875	0.6901008	0.983	3765	lga=65%, ltr=32%, signal=95%
SD_omeg	Control	REACTOME SIGNALING BY ERBB2 IN CANCER	19	0.26847305	0.8584973	0.6377927	0.7020257	1	2055	lga=42%, ltr=17%, signal=51%
SD_omeg	Control	REACTOME CARGO COORDINATION IN THE ER	16	0.2044988	0.8276166	0.6377927	0.7020257	1	2055	lga=42%, ltr=17%, signal=51%
SD_omeg	Control	REACTOME SIGNALING BY FGFR IN DISEASE	48	0.22075735	0.852903	0.7331933	0.70426375	1	1920	lga=33%, ltr=16%, signal=40%
SD_omeg	Control	REACTOME SIGNALING BY FGFR3	28	0.24709871	0.85435075	0.63505155	0.70514303	1	1911	lga=39%, ltr=16%, signal=47%
SD_omeg	Control	REACTOME DOWNREGULATION OF ERBB2 SIGNALING	18	0.25382534	0.8551782	0.68871593	0.705314	1	1493	lga=28%, ltr=13%, signal=32%
SD_omeg	Control	REACTOME COPI INDEPENDENT GOLGI TO ER RETROGRADE TRAFFIC	39	0.23468198	0.8472216	0.6191406	0.7079189	1	2016	lga=33%, ltr=17%, signal=40%
SD_omeg	Control	REACTOME RESPONSE TO ELEVATED PLATELET CYTOSOLIC CA2	97	0.2348138	0.8483696	0.6484846	0.70840704	1	2109	lga=39%, ltr=19%, signal=42%
SD_omeg	Control	REACTOME EGFR DOWNREGULATION	18	0.27805394	0.8476531	0.6502058	0.7085712	1	1492	lga=33%, ltr=13%, signal=38%
SD_omeg	Control	REACTOME SYNTHESIS OF PIP3 AT THE PLASMA MEMBRANE	33	0.290513	0.844891	0.6321138	0.7099563	1	1485	lga=67%, ltr=35%, signal=103%
SD_omeg	Control	REACTOME DNA METHYLATION	28	0.29342905	0.84317154	0.6680761	0.7109835	1	7027	lga=96%, ltr=59%, signal=235%
Control	Control	REACTOME DISEASES OF GLYCOSYLATION	93	-0.4431657	-1.4545393	0.0703725	0.7134742	0.982	4188	lga=59%, ltr=35%, signal=90%
Control	Control	REACTOME SYNAPTIC ADHESION LIKE MOLECULES	56	0.26857185	0.82849544	0.7091972	0.7272494	0.976	3599	lga=53%, ltr=30%, signal=89%
Control	Control	REACTOME GLUCAGON SIGNALING IN METABOLIC REGULATION	21	-0.2903385	-0.9031903	0.5927283	0.71463907	1	1398	lga=19%, ltr=12%, signal=22%
SD_omeg	Control	REACTOME RHOD GTPASE CYCLE	36	0.2834217	0.837453	0.6344699	0.7156559	1	2569	lga=42%, ltr=22%, signal=53%
Control	Control	REACTOME GLYCOSAMINOGLYCAN METABOLISM	81	-0.25081033	-0.8943303	0.6351085	0.7169967	1	4868	lga=43%, ltr=14%, signal=73%
Control	Control	REACTOME METABOLISM OF NUCLEOTIDES	51	-0.23695135	-0.8917115	0.64250706	0.7254726	1	1633	lga=18%, ltr=14%, signal=20%
SD_omeg	Control	REACTOME SIGNALING BY TGFβ FAMILY MEMBERS	53	0.21914577	0.8393982	0.68471866	0.7273284	1	2862	lga=44%, ltr=25%, signal=57%
SD_omeg	Control	REACTOME CD95 DEATH SIGNALING VIA NRIF AND NAD1	53	0.21914577	0.8393982	0.68471866	0.7273284	1	2862	lga=44%, ltr=25%, signal=57%
SD_omeg	Control	REACTOME DOWNSTREAM SIGNALING OF ACTIVATED FGFR1	21	-0.27893183	-0.8857903	0.6225681	0.7280767	1	5624	lga=62%, ltr=47%, signal=117%
SD_omeg	Control	REACTOME REGULATION OF LIPOD METABOLISM BY PPARGALPHA	80	0.21534936	0.8263184	0.66071427	0.7289542	1	2503	lga=40%, ltr=21%, signal=42%
SD_omeg	Control	REACTOME DNA STRAND LIGATION	17	0.3247292	0.824467	0.6496212	0.73017365	1	1822	lga=32%, ltr=15%, signal=40%
Control	Control	REACTOME NEGATIVE REGULATION OF FGFR SIGNALING	20	-0.2705738	-0.8849206	0.600664	0.7313718	1	3965	lga=34%, ltr=20%, signal=42%
SD_omeg	Control	REACTOME DISEASES OF CARBOHYDRATE METABOLISM	20	0.2820144	0.8220443	0.6597938	0.7320757	1	230	lga=15%, ltr=2%, signal=15%
Control	Control	REACTOME THE PHOTOTRANSDUCTION CASCADE	25	-0.2752286	-0.88019705	0.62575454	0.73317987	1	4423	lga=44%, ltr=37%, signal=70%
Control	Control	REACTOME PHASE I FUNCTIONALIZATION OF COMPOUNDS	75	-0.4726818	-1.4912722	0.017142826	0.73593676	0.964	3765	lga=57%, ltr=32%, signal=83%
SD_omeg	Control	REACTOME LDL CLEARANCE	15	0.2944213	0.8173876	0.6894531	0.7372373	1	1264	lga=27%, ltr=11%, signal=30%
Control	Control	REACTOME TRANSPORT OF INORGANIC CATIONS ANIONS AND AMINO ACIDS OLIGOPEPTIDES	71	-0.46548807	-1.4691952	0.01420117	0.7389759	0.976	4735	lga=66%, ltr=40%, signal=107%
Control	Control	REACTOME ION CHANNEL SENSING CHANNELS	73	-0.49112246	-1.5044451	0.6899919	0.7431322	0.953	4723	lga=62%, ltr=39%, signal=103%
Control	Control	REACTOME ASSEMBLY AND CELL SURFACE PRESENTATION OF NMDA RECEPTORS	25	-0.5409508	-1.4749478	0.060546875	0.74379393	0.974	4389	lga=72%, ltr=57%, signal=114%
Control	Control	REACTOME PLATELET AGGREGATION PLUG FORMATION	27	-0.27852728	-0.8704371	0.6428844	0.7448899	1	2065	lga=26%, ltr=17%, signal=31%
Control	Control	REACTOME METABOLISM OF LIPIDS	458	-0.18052375	-0.8587908	0.7504798	0.74561596	1	4207	lga=30%, ltr=35%, signal=45%
SD_omeg	Control	REACTOME SIGNAL AMPLIFICATION	20	0.28177925	0.8103547	0.696	0.7457909	1	3014	lga=49%, ltr=29%, signal=67%
Control	Control	REACTOME G ALPHA 12 13 SIGNALING EVENTS	53	0.21914577	0.8393982	0.68471866	0.7462947	1	2862	lga=44%, ltr=25%, signal=57%
SD_omeg	Control	REACTOME FCGR3 MEDIATED IL10 SYNTHESIS	25	0.24899012	0.80751	0.6417174	0.7469269	1	3168	lga=64%, ltr=27%, signal=87%
SD_omeg	Control	REACTOME IMMUNOREGULATORY INTERACTIONS BETWEEN A LYMPHOID AND A NON LYMPHOID CELL	92	0.2293661	0.8078884	0.7066381	0.74778324	1	1531	lga=23%, ltr=13%, signal=26%
Control	Control	REACTOME RET SIGNALING	26	-0.253997	-0.86185783	0.67115384	0.7487785	1	4415	lga=42%, ltr=37%, signal=67%
Control	Control	REACTOME SIGNALING BY ERBB4	40	-0.23719262	-0.8633523	0.67729066	0.7490182	1	3587	lga=35%, ltr=30%, signal=50%
Control	Control	REACTOME INTEGRIN CELL SURFACE INTERACTIONS	54	-0.22839276	-0.8649689	0.67349636	0.7504544	1	3851	lga=31%, ltr=25%, signal=42%
SD_omeg	Control	REACTOME INTERLEUKIN 6 FAMILY SIGNALING	15	0.296907	0.8027755	0.7222222	0.7520672	1	2123	lga=53%, ltr=18%, signal=71%
SD_omeg	Control	REACTOME GOLGI TO ER RETROGRADE TRANSPORT	97	0.18466534	0.8100409	0.7539065	0.7531106	1	2016	lga=28%, ltr=17%, signal=33%
Control	Control	REACTOME RND1 GTPASE CYCLE	28	-0.23384118	-0.85076827	0.7025948	0.7541659	1	3954	lga=36%, ltr=33%, signal=53%
Control	Control	REACTOME GLUTATHIONE CONJUGATION	20	-0.28130627	-0.83815724	0.68041235	0.7558589	1	5036	lga=56%, ltr=42%, signal=96%
Control	Control	REACTOME CHONDROITIN SULFATE DERMATAN SULFATE METABOLISM	36	-0.25648777	-0.83625946	0.6899919	0.75916326	1	5854	lga=53%, ltr=49%, signal=104%
Control	Control	REACTOME SIGNALING BY PTG	29	0.24355727	0.8404451	0.689782	0.7594773	1	2971	lga=50%, ltr=22%, signal=63%
Control	Control	REACTOME INWARDLY RECTIFYING K CHANNELS	28	-0.29125008	-0.8411549	0.6854369	0.7618944	1	5901	lga=64%, ltr=50%, signal=127%
Control	Control	REACTOME SLC MEDIATED TRANSMEMBRANE TRANSPORT	159	-0.4463066	-1.4786729	0.037401576	0.76229465	0.971	5184	lga=70%, ltr=44%, signal=122%
Control	Control	REACTOME RHOD GTPASE CYCLE	48	-0.2500455	-0.842893	0.6891089	0.7626742	1	3562	lga=40%, ltr=30%, signal=56%
Control	Control	REACTOME INTEGRIN CELL SURFACE INTERACTIONS	60	0.2989827	0.8482126	0.0333664	0.76292533	0.964	2993	lga=57%, ltr=25%, signal=75%
SD_omeg	Control	REACTOME NRH2 AND NRH3 MEDIATED SIGNALING	29	0.29011098	0.7854319	0.6963377	0.7714559	1	2845	lga=49%, ltr=22%, signal=63%
SD_omeg	Control	REACTOME NEPHRIN FAMILY INTERACTIONS	21	0.22521833	0.7863785	0.8096699	0.7717149	1	1839	lga=38%, ltr=15%, signal=45%
Control	Control	REACTOME COLLAGEN DEGRADATION	47	-0.5701649	-1.5182486	0.021653544	0.7734541	0.949	3823	lga=72%, ltr=32%, signal=106%
Control	Control	REACTOME CARBOXYTERMINAL POST TRANSLATIONAL MODIFICATIONS OF TUBULIN	28	-0.54576373	-1.5270767	0.025948104	0.7770339	0.943	3097	lga=54%, ltr=26%, signal=72%
Control	Control	REACTOME NCAM SIGNALING FOR NEURITE OUT GROWTH	45	-0.5029662	-1.5063896	0.05533597	0.77903104	0.951	3359	lga=60%, ltr=28%, signal=78%
SD_omeg	Control	REACTOME ADP SIGNALING THROUGH P2Y PURINOCEPTOR 12	25	0.28759965	0.7734982	0.77317554	0.7824411	1	3433	lga=50%, ltr=25%, signal=63%
SD_omeg	Control	REACTOME FGFR1 MUTANT RECEPTOR ACTIVATION	22	0.2532734	0.7727393	0.74451095	0.78600585	1	1901	lga=33%, ltr=15%, signal=39%
SD_omeg	Control	REACTOME RAC1 GTPASE CYCLE	129	0.20374583	0.77125996	0.7412731	0.7864204	1	1920	lga=41%, ltr=16%, signal=46%
SD_omeg	Control	REACTOME PI METABOLISM	55	0.21819403	0.7691696	0.7410939	0.7870482	1	2585	lga=43%, ltr=22%, signal=54%
SD_omeg	Control	REACTOME TRANSCRIPTIONAL REGULATION BY THE AP 2 TFP2 FAMILY OF TRANSCRIPTION FACTORS	55	0.21819403	0.7691696	0.7410939	0.7870482	1	3715	lga=58%, ltr=31%, signal=86%
SD_omeg	Control	REACTOME INSULIN PROCESSING	24	-0.2384919	-0.7872249	0.8142926	0.7872249	1	1243	lga=21%, ltr=13%, signal=27%
Control	Control	REACTOME TRANSPORT OF VITAMINS NUCLEOSIDES AND RELATED MOLECULES	28	-0.25755545	-0.8077896	0.7608956	0.791551	1	2973	lga=33%, ltr=25%, signal=44%
Control	Control	REACTOME PHOSPHOLIPID METABOLISM	129	-0.19823163	-0.809744	0.7366412	0.7920555	1	5404	lga=55%, ltr=45%, signal=104%
SD_omeg	Control	REACTOME SIGNALING BY FGFR4	29	0.21329868	0.7602028	0.8012254	0.7935476	1	3528	lga=42%, ltr=30%, signal=63%
SD_omeg	Control	REACTOME OVARIAN TUMOR DOMAIN PROTEASES	31	0.24283504	0.7586989	0.7809641	0.7942636	1	1911	lga=38%, ltr=16%, signal=46%
Control	Control	REACTOME CLASS C 3 METABOTROPIC GLUTAMATE PHEROMONE RECEPTORS	20	-0.5781113	-1.533452	0.0365134	0.797701	0.937	3091	lga=59%, ltr=29%, signal=94%
Control	Control	REACTOME SMOYULATION OF INTRACELLULAR RECEPTORS	21	-0.24808481	-0.80019236	0.7369439	0.79939795	1	3936	lga=70%, ltr=54%, signal=104%
Control	Control	REACTOME INOSITOL PHOSPHATE METABOLISM	30	-0.24098856	-0.79099005	0.7370518	0.8059735	1	4576	lga=38%, ltr=38%, signal=62%
SD_omeg	Control	REACTOME ADP SIGNALING THROUGH P2Y PURINOCEPTOR 1	16	0.2632021	0.74786735	0.7915832	0.8062846	1	4775	lga=53%, ltr=40%, signal=81%
SD_omeg	Control	REACTOME OTHER INTERLEUKIN SIGNALING	16	0.28327754	0.7462498	0.750903	0.80740265	1	3962	lga=67%, ltr=33%, signal=94%
SD_omeg	Control	REACTOME INTERLEUKIN 4 AND INTERLEUKIN 13 SIGNALING	22	-0.189244	-0.7454346	0.8548952	0.8079263	1	2475	lga=58%, ltr=21%, signal=70%
Control	Control	REACTOME MITOCHONDRIAL FATTY ACID BETA OXIDATION	16	-0.2805217	-0.7917833	0.7348928	0.8083657	1	1515	lga=25%, ltr=13%, signal=29%
SD_omeg	Control	REACTOME BMAL1 CLOCK NPAS2 ACTIVATES CIRCADIAN GENE EXPRESSION	18	0.26861838	0.7431116	0.7484909	0.8084832	1	1274	lga=38%, ltr=28%, signal=62%
Control	Control	REACTOME COPI DEPENDENT GOLGI TO ER RETROGRADE TRAFFIC	70	-0.18406075	-0.78546244	0.82539884	0.81057316	1	3295	lga=61%, ltr=35%, signal=92%
Control	Control	REACTOME NEGATIVE REGULATION OF FGFR SIGNALING	21	-0.22914866	-0.7758974	0.7675781	0.81189035	1	4190	lga=32%, ltr=22%, signal=48%
SD_omeg	Control	REACTOME EXTRA NUCLEAR ESTROGEN SIGNALING	44	-0.2304856	-0.7354549	0.8369055	0.8173496	1	1960	lga=39%, ltr=35%, signal=65%
Control	Control	REACTOME NEGATIVE REGULATION OF FGFR2 SIGNALING	26	-0.23099298	-0.7694838	0.800395				

Control	REACTOME FACTORS INVOLVED IN MEGAKARYOCYTE DEVELOPMENT AND PLATELET PRODUCTION	97	-0.14387096	-0.58030967	0.9903661	0.9509643	1	4190	tags=30%, list=35%, signal=46%
SD_rnseq	REACTOME SIGNALING BY WNT IN CANCER	26	0.14532151	0.52712595	0.9791232	0.96202365	1	2754	tags=35%, list=23%, signal=45%
Control	REACTOME SYNTHESIS OF SUBSTRATES IN N GLYCAN BIOSYTHESIS	32	-0.15802959	-0.5492996	0.9659155	0.96375245	1	392	tags=6%, list=3%, signal=6%
Control	REACTOME BIOSYTHESIS OF THE N GLYCAN PRECURSOR_DOLICHOL_LIPID_LINKED_OLIGOSACCHARIDE_LL O AND TRANSFER TO A NASCENT PROTEIN	35	-0.15411033	-0.55166537	0.99013805	0.96609426	1	392	tags=6%, list=3%, signal=6%
SD_rnseq	REACTOME CYCLIN A B1 B2 ASSOCIATED EVENTS DURING G2 M TRANSITION	17	0.17024131	0.49795473	0.98221344	0.97329277	1	9881	tags=100%, list=83%, signal=587%
SD_rnseq	REACTOME SPHINGOLIPID DE NOVO BIOSYTHESIS	35	0.13089688	0.47621584	0.9979424	0.9783715	1	3233	tags=34%, list=27%, signal=47%
Control	REACTOME ACTIVATION OF ATR IN RESPONSE TO REPLICATION STRESS	21	-0.17934316	-0.5011307	0.972167	0.97997527	1	3956	tags=20%, list=33%, signal=43%
Control	REACTOME NICOTINATE METABOLISM	17	-0.18129367	-0.50431085	0.97270954	0.9822754	1	5013	tags=41%, list=42%, signal=71%
Control	REACTOME FATTY ACYL COA BIOSYTHESIS	18	-0.15821245	-0.48275647	0.99235183	0.9830081	1	1611	tags=11%, list=14%, signal=13%
Control	REACTOME SIGNALING BY RETINOIC ACID	24	-0.14569743	-0.4681804	0.9942639	0.9837044	1	2303	tags=17%, list=19%, signal=21%
Control	REACTOME SYNTHESIS OF PC	17	-0.15349287	-0.45069143	0.9922929	0.9845032	1	4207	tags=29%, list=30%, signal=45%
Control	REACTOME TRAFFICKING OF AMPA RECEPTORS	18	-0.5512396	-1.5404816	0.029236875	0.9846719	0.929	3671	tags=59%, list=31%, signal=80%
SD_rnseq	REACTOME NUCLEAR EVENTS KINASE AND TRANSCRIPTION FACTOR ACTIVATION	40	0.12429803	0.44114634	0.9941176	0.9852353	1	3500	tags=48%, list=29%, signal=67%
SD_rnseq	REACTOME ACTIVATED_PKN1_STIMULATES_TRANSCRIPTION_OF_AR_ANDROGEN_RECEPTOR_REGULATED_GENES_KLK2_AND_KLK3	32	0.14672302	0.4473183	0.9848812	0.98571616	1	7027	tags=91%, list=59%, signal=221%
Control	REACTOME NITRIC OXIDE STIMULATES GUANYLATE CYCLASE	15	-0.7044923	-1.7346193	0.001930502	1	0.528	1362	tags=60%, list=11%, signal=66%
Control	REACTOME LAMININ INTERACTIONS	22	-0.6804147	-1.6237822	0.026	1	0.842	3028	tags=82%, list=25%, signal=110%
Control	REACTOME COLLAGEN FORMATION	67	-0.568573	-1.6160052	0.007782101	1	0.826	3512	tags=69%, list=29%, signal=97%
Control	REACTOME NON INTEGRIN MEMBRANE ECM INTERACTIONS	46	-0.5771018	-1.5788034	0.007827789	1	0.876	3386	tags=70%, list=28%, signal=97%
Control	REACTOME ECM PROTEOGLYCANS	58	-0.5933263	-1.5784186	0.007827789	1	0.876	3643	tags=78%, list=31%, signal=111%
Control	REACTOME ASSEMBLY OF COLLAGEN FIBRILS AND OTHER MULTIMERIC STRUCTURES	46	-0.5918742	-1.5696132	0.007905139	1	0.891	3623	tags=76%, list=32%, signal=112%
Control	REACTOME EXTRACELLULAR MATRIX ORGANIZATION	212	-0.496246	-1.620032	0.007930508	1	0.845	3697	tags=62%, list=31%, signal=86%
Control	REACTOME DISEASES ASSOCIATED WITH O GLYCOSYLATION OF PROTEINS	51	-0.57318276	-1.5541197	0.013779508	1	0.916	4005	tags=78%, list=34%, signal=118%
Control	REACTOME COLLAGEN BIOSYTHESIS AND MODIFYING ENZYMES	50	-0.59122205	-1.5495337	0.025540275	1	0.92	3503	tags=74%, list=29%, signal=104%

Agranulocyte Adhesion and Diapedesis	3.43	0.159	NaN	ACTG2,CCL11,CCL14,CCL16,CCL7,CLDN10,CLDN12,CLDN14,CLDN19,CLDN4,CXCL10,CXCL12,HRH1,IL37,MMP10,MMP13,MMP2,MMP20,MMP28,MYH11,MYH13,MYH6,MYH4,MYH6,MYH7,MYH8,MYL3,MYL6,MYO10B,MYO1A,MYO1H,PPP,SELE,VCAM1
FXR/RXR Activation	2.97	0.175	NaN	ABCG5,ABCG8,ALB,APOC3,BAAT,CYP19A1,FETUB,FGA,G6PC1,G6PC2,GC,HNF4A,IL37,MLXIPL,NR1H4,NR1I2,NR5A2,RPB4,SLC22A7,SLCO1B3,TF,TR
Serotonin Receptor Signaling	2.52	0.233	NaN	ADCY10,ADCY2,HTTR1D,HTTR2A,HTTR3C,HTTR5A,MAOB,SLC18A1,THA1,TPH2
Isotopomer Degradation	2.25	0.6	NaN	CYP11A1,CYP27,CYP8
Citru-line-Nitric Oxide Cycle	2.25	0.6	NaN	ASS1,NOS1,NOS2
Urea Cycle	1.98	0.5	NaN	ASS1,CPH1,OTC
G-Protein Coupled Receptor Signaling	1.87	0.127	NaN	ADCY10,ADCY2,ADRA1B,CALCR,CHRM5,DRD1,DRD3,DUSP9,ENPP6,F5HR,GABRR2,GRM2,GRM4,GRM5,GRM6,GRM8,HRH1,HTTR1D,HTTR2A,HTTR5A,HLH
Phototransduction Pathway	1.8	0.185	NaN	CNGA3,CNGB1,GUCY2C,GUCY2F,NPR1,OPN5,PDE6A,PDE6C,RSGBP,SAG
Thioredoxin Pathway	1.78	0.429	NaN	TXN,TXNDC2,TXNRD3
				ANXA1,CCL11,DNAH10,DNAH3,EGFR,FCGR1A,G6PC1,GJA1,IGF1,IL13,IL17RC,IL17RD,IL17RE,IL1RL2,IL22RA1,IL3,IL9R,KRT12,KRT14,KRT15,KRT16,KRT17,KRT20,KRT22,KRT24,KRT25,KRT26,KRT28,KRT3,KRT31,KRT33A,KRT34,KRT36,KRT37,KRT38,KRT39,KRT5,KRT6A,KRT6B,KRT7,KRT7B,KRT8,KRT9,LRRT2,KRT8,MMP13,MMP2,NDUFBS,NDUFSS,NOS2,PKC1,PFKFB1,PLA2G2A,PLA2G2D,PLA2G2E,PLA2G2F,PLA2G3,PLA2G4D,PLA2G4E,PLA2G5,PRKAA2,RASD2,SELE,TAT,VCAM1
Glucocorticoid Receptor Signaling	1.75	0.112	NaN	CXCL10,PLA2G2A,PLA2G2C,PLA2G2D,PLA2G2E,PLA2G2F,PLA2G3,PLA2G4D,PLA2G4E,PLA2G5,PLA2R1,PNPLA3,RASD2
Role of MAPK Signaling in the Pathogenesis of Influenza	1.68	0.16	NaN	AA2,RASD2,SELE,TAT,VCAM1
Methionine Salvage II (Mammalian)	1.68	0.667	NaN	BHMT,BHMT2
Thyroid Hormone Biosynthesis	1.68	0.667	NaN	TD,TPO
FXR/RXR Activation	1.65	0.189	NaN	CES3,CYP2B6,CYP3A4,G6PC1,GSTA2,HNF4A,IGFBP1,NR1I2,SLCO1B3,UGT11A1,UGT1A9 (includes others)
Maturity Onset Diabetes of Young (MODY) Signaling	1.46	0.154	NaN	ABCC9,ALDOB,APOC3,CACNA1B,CACNA1C,CACNA1S,CACNG2,CACNG5,CEL,HNF1B,HNF4A,SLC22A2
L-cysteine Degradation I	1.4	0.5	NaN	DDO1,GOT1L1
Glycine Betaine Degradation	1.32	0.3	NaN	BHMT,BHMT2,DMGDH
Granulocyte Adhesion and Diapedesis	1.24	0.122	NaN	CCL11,CCL14,CCL16,CCL7,CLDN10,CLDN12,CLDN14,CLDN19,CLDN4,IGSF5,MYH1,MYH13,MYH2,MYH4,MYH6,MYH7,MYH8,MYL3,MYL6,MYO10B,MYO1A,MYO1H,SNAP25,TJPI1
Protein Catabolism	1.21	0.4	NaN	PADI1,PADI3
Lysine Degradation II	1.21	0.4	NaN	PADI1,PADI3
Lysine Degradation V	1.21	0.4	NaN	AADAT,ALDH7A1
Citru-line Degradation	1.06	1	NaN	OTC
4-hydroxybenzoate Biosynthesis	1.06	1	NaN	TAT
4-hydroxyphenylpyruvate Biosynthesis	1.06	1	NaN	TAT
Tight Junction Signaling	1.06	0.118	NaN	CCL11,CCL14,CCL16,CCL7,CLDN10,CLDN12,CLDN14,CLDN19,CLDN4,IGSF5,MYH1,MYH13,MYH2,MYH4,MYH6,MYH7,MYH8,MYL3,MYL6,MYO10B,MYO1A,MYO1H,SNAP25,TJPI1
Arginine Biosynthesis IV	1.06	0.333	NaN	ASS1,OTC
Serotonin and Melatonin Biosynthesis	1.06	0.333	NaN	TPH1,TPH2
Bile Acid Biosynthesis, Neutral Pathway	1.02	0.231	NaN	ABCG1,UGR1,CD11,BAAT,CYP3A4
GABA Receptor Signaling	1.01	0.122	NaN	ADCY10,ADCY2,CACNA1B,CACNA1C,CACNA1S,CACNG2,CACNG5,GABBR2,GABRA3,GABRE,GABRP,GABRQ,GABRR1,GN4,SLC6A1,SLC6A13,SLC6A13
nNOS Signaling in Skeletal Muscle Cells	0.956	0.146	NaN	CACNA1B,CACNA1C,CACNA1S,CACNG2,CACNG5,NOS1,RYR3
Airway Pathology in Chronic Obstructive Pulmonary Disease	0.86	0.119	NaN	FGF1,FGF17,FGF18,FGF21,FGF7,FGF9,IL13,IL17C,IL17D,IL17E,IL17F,IL17G,IL17H,IL17I,IL17J,IL17K,IL17L,IL17M,IL17N,IL17O,IL17P,IL17Q,IL17R,IL17S,IL17T,IL17U,IL17V,IL17W,IL17X,IL17Y,IL17Z,IL17AA,IL17AB,IL17AC,IL17AD,IL17AE,IL17AF,IL17AG,IL17AH,IL17AI,IL17AJ,IL17AK,IL17AL,IL17AM,IL17AN,IL17AO,IL17AP,IL17AQ,IL17AR,IL17AS,IL17AT,IL17AU,IL17AV,IL17AW,IL17AX,IL17AY,IL17AZ,IL17BA,IL17BB,IL17BC,IL17BD,IL17BE,IL17BF,IL17BG,IL17BH,IL17BI,IL17BJ,IL17BK,IL17BL,IL17BM,IL17BN,IL17BO,IL17BP,IL17BQ,IL17BR,IL17BS,IL17BT,IL17BU,IL17BV,IL17BW,IL17BX,IL17BY,IL17BZ,IL17CA,IL17CB,IL17CC,IL17CD,IL17CE,IL17CF,IL17CG,IL17CH,IL17CI,IL17CJ,IL17CK,IL17CL,IL17CM,IL17CN,IL17CO,IL17CP,IL17CQ,IL17CR,IL17CS,IL17CT,IL17CU,IL17CV,IL17CW,IL17CX,IL17CY,IL17CZ,IL17DA,IL17DB,IL17DC,IL17DD,IL17DE,IL17DF,IL17DG,IL17DH,IL17DI,IL17DJ,IL17DK,IL17DL,IL17DM,IL17DN,IL17DO,IL17DP,IL17DQ,IL17DR,IL17DS,IL17DT,IL17DU,IL17DV,IL17DW,IL17DX,IL17DY,IL17DZ,IL17EA,IL17EB,IL17EC,IL17ED,IL17EE,IL17EF,IL17EG,IL17EH,IL17EI,IL17EJ,IL17EK,IL17EL,IL17EM,IL17EN,IL17EO,IL17EP,IL17EQ,IL17ER,IL17ES,IL17ET,IL17EU,IL17EV,IL17EW,IL17EX,IL17EY,IL17EZ,IL17FA,IL17FB,IL17FC,IL17FD,IL17FE,IL17FF,IL17FG,IL17FH,IL17FI,IL17FJ,IL17FK,IL17FL,IL17FM,IL17FN,IL17FO,IL17FP,IL17FQ,IL17FR,IL17FS,IL17FT,IL17FU,IL17FV,IL17FW,IL17FX,IL17FY,IL17FZ,IL17GA,IL17GB,IL17GC,IL17GD,IL17GE,IL17GF,IL17GG,IL17GH,IL17GI,IL17GJ,IL17GK,IL17GL,IL17GM,IL17GN,IL17GO,IL17GP,IL17GQ,IL17GR,IL17GS,IL17GT,IL17GU,IL17GV,IL17GW,IL17GX,IL17GY,IL17GZ,IL17HA,IL17HB,IL17HC,IL17HD,IL17HE,IL17HF,IL17HG,IL17HH,IL17HI,IL17HJ,IL17HK,IL17HL,IL17HM,IL17HN,IL17HO,IL17HP,IL17HQ,IL17HR,IL17HS,IL17HT,IL17HU,IL17HV,IL17HW,IL17HX,IL17HY,IL17HZ,IL17IA,IL17IB,IL17IC,IL17ID,IL17IE,IL17IF,IL17IG,IL17IH,IL17II,IL17IJ,IL17IK,IL17IL,IL17IM,IL17IN,IL17IO,IL17IP,IL17IQ,IL17IR,IL17IS,IL17IT,IL17IU,IL17IV,IL17IW,IL17IX,IL17IY,IL17IZ,IL17JA,IL17JB,IL17JC,IL17JD,IL17JE,IL17JF,IL17JG,IL17JH,IL17JI,IL17JJ,IL17JK,IL17JL,IL17JM,IL17JN,IL17JO,IL17JP,IL17JQ,IL17JR,IL17JS,IL17JT,IL17JU,IL17JV,IL17JW,IL17JX,IL17JY,IL17JZ,IL17KA,IL17KB,IL17KC,IL17KD,IL17KE,IL17KF,IL17KG,IL17KH,IL17KI,IL17KJ,IL17KK,IL17KL,IL17KM,IL17KN,IL17KO,IL17KP,IL17KQ,IL17KR,IL17KS,IL17KT,IL17KU,IL17KV,IL17KW,IL17KX,IL17KY,IL17KZ,IL17LA,IL17LB,IL17LC,IL17LD,IL17LE,IL17LF,IL17LG,IL17LH,IL17LI,IL17LJ,IL17LK,IL17LL,IL17LM,IL17LN,IL17LO,IL17LP,IL17LQ,IL17LR,IL17LS,IL17LT,IL17LU,IL17LV,IL17LW,IL17LX,IL17LY,IL17LZ,IL17MA,IL17MB,IL17MC,IL17MD,IL17ME,IL17MF,IL17MG,IL17MH,IL17MI,IL17MJ,IL17MK,IL17ML,IL17MN,IL17MO,IL17MP,IL17MQ,IL17MR,IL17MS,IL17MT,IL17MU,IL17MV,IL17MW,IL17MX,IL17MY,IL17MZ,IL17NA,IL17NB,IL17NC,IL17ND,IL17NE,IL17NF,IL17NG,IL17NH,IL17NI,IL17NJ,IL17NK,IL17NL,IL17NM,IL17NO,IL17NP,IL17NQ,IL17NR,IL17NS,IL17NT,IL17NU,IL17NV,IL17NW,IL17NX,IL17NY,IL17NZ,IL17OA,IL17OB,IL17OC,IL17OD,IL17OE,IL17OF,IL17OG,IL17OH,IL17OI,IL17OJ,IL17OK,IL17OL,IL17OM,IL17ON,IL17OO,IL17OP,IL17OQ,IL17OR,IL17OS,IL17OT,IL17OU,IL17OV,IL17OW,IL17OX,IL17OY,IL17OZ,IL17PA,IL17PB,IL17PC,IL17PD,IL17PE,IL17PF,IL17PG,IL17PH,IL17PI,IL17PJ,IL17PK,IL17PL,IL17PM,IL17PN,IL17PO,IL17PP,IL17PQ,IL17PR,IL17PS,IL17PT,IL17PU,IL17PV,IL17PW,IL17PX,IL17PY,IL17PZ,IL17QA,IL17QB,IL17QC,IL17QD,IL17QE,IL17QF,IL17QG,IL17QH,IL17QI,IL17QJ,IL17QK,IL17QL,IL17QM,IL17QN,IL17QO,IL17QP,IL17QQ,IL17QR,IL17QS,IL17QT,IL17QU,IL17QV,IL17QW,IL17QX,IL17QY,IL17QZ,IL17RA,IL17RB,IL17RC,IL17RD,IL17RE,IL17RF,IL17RG,IL17RH,IL17RI,IL17RJ,IL17RK,IL17RL,IL17RM,IL17RN,IL17RO,IL17RP,IL17RQ,IL17RR,IL17RS,IL17RT,IL17RU,IL17RV,IL17RW,IL17RX,IL17RY,IL17RZ,IL17SA,IL17SB,IL17SC,IL17SD,IL17SE,IL17SF,IL17SG,IL17SH,IL17SI,IL17SJ,IL17SK,IL17SL,IL17SM,IL17SN,IL17SO,IL17SP,IL17SQ,IL17SR,IL17SS,IL17ST,IL17SU,IL17SV,IL17SW,IL17SX,IL17SY,IL17SZ,IL17TA,IL17TB,IL17TC,IL17TD,IL17TE,IL17TF,IL17TG,IL17TH,IL17TI,IL17TJ,IL17TK,IL17TL,IL17TM,IL17TN,IL17TO,IL17TP,IL17TQ,IL17TR,IL17TS,IL17TT,IL17TU,IL17TV,IL17TW,IL17TX,IL17TY,IL17TZ,IL17UA,IL17UB,IL17UC,IL17UD,IL17UE,IL17UF,IL17UG,IL17UH,IL17UI,IL17UJ,IL17UK,IL17UL,IL17UM,IL17UN,IL17UO,IL17UP,IL17UQ,IL17UR,IL17US,IL17UT,IL17UU,IL17UV,IL17UW,IL17UX,IL17UY,IL17UZ,IL17VA,IL17VB,IL17VC,IL17VD,IL17VE,IL17VF,IL17VG,IL17VH,IL17VI,IL17VJ,IL17VK,IL17VL,IL17VM,IL17VN,IL17VO,IL17VP,IL17VQ,IL17VR,IL17VS,IL17VT,IL17VU,IL17VV,IL17VW,IL17VX,IL17VY,IL17VZ,IL17WA,IL17WB,IL17WC,IL17WD,IL17WE,IL17WF,IL17WG,IL17WH,IL17WI,IL17WJ,IL17WK,IL17WL,IL17WM,IL17WN,IL17WO,IL17WP,IL17WQ,IL17WR,IL17WS,IL17WT,IL17WU,IL17WV,IL17WW,IL17WX,IL17WY,IL17WZ,IL17XA,IL17XB,IL17XC,IL17XD,IL17XE,IL17XF,IL17XG,IL17XH,IL17XI,IL17XJ,IL17XK,IL17XL,IL17XM,IL17XN,IL17XO,IL17XP,IL17XQ,IL17XR,IL17XS,IL17XT,IL17XU,IL17XV,IL17XW,IL17XX,IL17XY,IL17XZ,IL17YA,IL17YB,IL17YC,IL17YD,IL17YE,IL17YF,IL17YG,IL17YH,IL17YI,IL17YJ,IL17YK,IL17YL,IL17YM,IL17YN,IL17YO,IL17YP,IL17YQ,IL17YR,IL17YS,IL17YT,IL17YU,IL17YV,IL17YW,IL17YX,IL17YY,IL17YZ,IL17ZA,IL17ZB,IL17ZC,IL17ZD,IL17ZE,IL17ZF,IL17ZG,IL17ZH,IL17ZI,IL17ZJ,IL17ZK,IL17ZL,IL17ZM,IL17ZN,IL17ZO,IL17ZP,IL17ZQ,IL17ZR,IL17ZS,IL17ZT,IL17ZU,IL17ZV,IL17ZW,IL17ZX,IL17ZY,IL17ZZ

Calcium-induced T Lymphocyte Apoptosis	0	0.00435	NaN	TRAV1-2, TRAV10
Cytotoxic T Lymphocyte-mediated Apoptosis of Target Cells	0	0.00471	NaN	TRAV1-2, TRAV10
IL-3 Signaling	0	0.0253	NaN	IL3, RASD2
Lymphotxin B Receptor Signaling	0	0.0182	NaN	VCAM1
MLP Signaling in Neutrophils	0	0.0305	NaN	GN4, NOX1, PLCB4, RASD2
Thrombospondin Signaling	0	0.0159	NaN	RASD2
CTLA4 Signaling in Cytotoxic T Lymphocytes	0	0.00418	NaN	TRAV1-2, TRAV10
T Helper Cell Differentiation	0	0.00849	NaN	IL13, IL23R, TRAV1-2, TRAV10
IL-9 Signaling	0	0.0286	NaN	IL9R
Cross-talk in Signaling	0	0.0698	NaN	MMP13, RASD2, TMP3
CD28 Signaling in T Helper Cells	0	0.00387	NaN	TRAV1-2, TRAV10
IL-15 Signaling	0	0.00568	NaN	IGHV1-45, IGLV11-55, RASD2
Virus Entry via Endocytic Pathways	0	0.0288	NaN	ACTG2, CXADR, RASD2
Role of Cytokines in Mediating Communication between Immune Cells	0	0.0596	NaN	IL13, IL37
Neutrophin Signaling	0	0.0279	NaN	PLCB4, RORB
Angiopoietin Signaling	0	0.0519	NaN	GRB7, PAK5, RASD2, TIE1
CNTF Signaling	0	0.0526	NaN	LIFR, RASD2, RPS8KA6
Docosahexaenoic Acid (DHA) Signaling	0	0.0263	NaN	BCL2L1
Semaphorin Signaling in Neurons	0	0.0643	NaN	MEF1, PAK5, RHOJ, RHOV
ICOS-ICOSL Signaling in T Helper Cells	0	0.00592	NaN	PLEKH44, TRAV1-2, TRAV10
Molecular Mechanisms of Cancer	0	0.0382	NaN	ADCY10, ADCY2, ARHGAP10, BMP7, E2F7, GNG4, ITGA11, ITGA8, PAK5, PLCB4, RASD2, RHOJ, RHOV, SHC3, SMAD6, WNT8B, WNT9B
Lipid Antigen Presentation by CD1	0	0.00481	NaN	TRAV1-2, TRAV10
Cell Cycle Regulation by STG Family Proteins	0	0.0541	NaN	E2F7, HUXB9
Mitotic Roles of Polo-Like Kinase	0	0.0152	NaN	CCNB3
HGF Signaling	0	0.0379	NaN	DOCK1, ITGA11, ITGA8, MET, RASD2
Role of CHK Proteins in Cell Cycle Checkpoint Control	0	0.0175	NaN	E2F7
IL13 Signaling in Hematopoietic Progenitor Cells	0	0.0252	NaN	RASD2, RPS8KA6
Polyamine Regulation in Colon Cancer	0	0.0161	NaN	PSMA4
Human Embryonic Stem Cell Pluripotency	0	0.0663	NaN	BMP7, GNG4, KLK3, NTF3, NTRK2, NTRK3, PDGFRA, SALL4, SMAD6, WNT8B, WNT9B
RAN Signaling	0	0.0588	NaN	KPNAB7
Melanocyte Development and Pigmentation Signaling	0	0.0532	NaN	ADCY10, ADCY2, DCT, RASD2, RPS8KA6
DNA Methylation and Transcriptional Repression Signaling	0	0.0288	NaN	DNMT3B
ATM Signaling	0	0.0206	NaN	CCNB3, SMC1B
Germ Cell-Sertoli Cell Junction Signaling	0	0.0643	NaN	ACTG2, ACTN2, EPN3, LAMC3, PAK5, RASD2, RHOJ, RHOV, TJP1, TUBA3E, TUBB8
Role of NANOG in Mammalian Embryonic Stem Cell Pluripotency	0	0.025	NaN	BMP7, LIFR, RASD2, SALL4, WNT8B, WNT9B
Growth Hormone Signaling	0	0.0643	NaN	IGF1, RPS8KA6
Prostate Signaling	0	0.0349	NaN	KCNMA1, KCNJ11, RASD2
Melanoma Signaling	0	0.02	NaN	RASD2
Prostate Cancer Signaling	0	0.0179	NaN	KLK3, RASD2
Renal Cell Carcinoma Signaling	0	0.0373	NaN	MEF1, PAK5, RASD2
Type I Diabetes Mellitus Signaling	0	0.00589	NaN	NOS2, TRAV1-2, TRAV10
Small Cell Lung Cancer Signaling	0	0.0104	NaN	NOS1
Endometrial Cancer Signaling	0	0.0187	NaN	RASD2
Basal Cell Carcinoma Signaling	0	0.0556	NaN	BMP7, GLS1, WNT8B, WNT9B
Alloragat Rejection Signaling	0	0.00414	NaN	TRAV1-2, TRAV10
Glioma Signaling	0	0.0403	NaN	E2F7, EGFR, IGF1, PDGFRA, RASD2
Autoimmune Thyroid Disease Signaling	0	0.00682	NaN	TPO, TRAV1-2, TRAV10
Acute Myeloid Leukemia Signaling	0	0.041	NaN	RASD2
Graft-versus-Host Disease Signaling	0	0.00573	NaN	IL37, TRAV1-2, TRAV10
Type II Diabetes Mellitus Signaling	0	0.0592	NaN	ACSBG2, CACNA1B, CACNA1C, CACNA1S, CACNG2, CACNG5, ENPP7, PRKAA2, SLC2A2
Chronic Myeloid Leukemia Signaling	0	0.0187	NaN	E2F7, RASD2
Non-Small Cell Lung Cancer Signaling	0	0.0213	NaN	EGFR, RASD2
PTEN Signaling	0	0.0383	NaN	EGFR, MAP7, PLCB4, RASD2
ERK5 Signaling	0	0.0417	NaN	EGFR, RASD2, RPS8KA6
Pancreatic Adenocarcinoma Signaling	0	0.0397	NaN	CYP2E1, E2F7, EGFR, PLD5, VEGFD
G Protein Signaling Mediated by Tubby	0	0.0455	NaN	GNG4, PLCB4
Communication between Innate and Adaptive Immune Cells	0	0.0563	NaN	CXCL10, IGHV1-45, IGLV11-55, IL3, IL37, TRAV1-2, TRAV10
Crosstalk between Dendritic Cells and Natural Killer Cells	0	0.033	NaN	ACTG2, IL3, TLN2
Systemic Lupus Erythematosus Signaling	0	0.0193	NaN	BOKRB2, C7, C8A, C8B, FCGR1A, IL37, LSM3, RASD2, RNU4-2, SNRPG, TRAV1-2, TRAV10
CD42 Signaling	0	0.0104	NaN	ITGA11, ITGA8, MYL3, MYL6, TRAV1-2, TRAV10
Hereditary Breast Cancer Signaling	0	0.00704	NaN	RASD2
RAC Signaling	0	0.0382	NaN	ITGA11, ITGA8, NOX1, PAK5, RASD2
Role of Osteoblasts, Osteoclasts and Chondrocytes in Rheumatoid Arthritis	0	0.0536	NaN	BMP7, CALCR, COL1A1, DKKL1, IGF1, IL1RL2, IL37, MMP13, SMAD6, WIF1, WNT8B, WNT9B
Altered T Cell and B Cell Signaling in Rheumatoid Arthritis	0	0.0061	NaN	IL37, TRAV1-2, TRAV10
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	0	0.0563	NaN	CXCL10, IGHV1-45, FCGR1A, IL17RC, IL1RL2, IL37, MMP13, NOS2, PLCB4, PRSS3, RASD2, SELE, VCAM1, VEGFD, WIF1, WNT8B, WNT9B
Regulation of eIF4 and p70S6K Signaling	0	0.0223	NaN	ITGA11, ITGA8, RASD2, RPS24
Estrogen-Dependent Breast Cancer Signaling	0	0.0759	NaN	AKR1C1, AKR1C2, CYP19A1, EGFR, HSD17B2, IGF1, RASD2
Leptin Signaling in Obesity	0	0.0405	NaN	ADCY10, ADCY2, PLCB4
IL-1 Signaling	0	0.0319	NaN	ADCY10, ADCY2, GNG4
Regulation of IL-2 Expression in Activated and Anergic T Lymphocytes	0	0.00651	NaN	RASD2, TRAV1-2, TRAV10
Granzyme A Signaling	0	0.0526	NaN	HMGCB2
Role of WNT/GSK-3β Signaling in the Pathogenesis of Influenza	0	0.0256	NaN	WNT8B, WNT9B
NUR77 Signaling in T Lymphocytes	0	0.00391	NaN	TRAV1-2, TRAV10
PRC2 Signaling in T Lymphocytes	0	0.0143	NaN	CXCL10, IGHV1-45, FCGR1A, IL17RC, IL1RL2, IL37, MMP13, NOS2, PLCB4, PRSS3, RASD2, SELE, VCAM1, VEGFD, WIF1, WNT8B, WNT9B
Role of Lipids/Lipid Rafts in the Pathogenesis of Influenza	0	0.0435	NaN	RSAD2
TNFR1 Signaling	0	0.0192	NaN	PAK5
Antiproliferative Role of TOB in T Cell Signaling	0	0.00489	NaN	TRAV1-2, TRAV10
CD40 Signaling Pathway	0	0.00418	NaN	TRAV1-2, TRAV10
PI3K Signaling in B Lymphocytes	0	0.021	NaN	PLCB4, PLEKH44, RASD2
Inhibition of Angiogenesis by TSP1	0	0.0588	NaN	HSPG2, KDR
P2Y Purinergic Receptor Signaling Pathway	0	0.0388	NaN	ADCY10, ADCY2, GNG4, PLCB4, RASD2
Cytosin and Cell Cycle Regulation	0	0.0357	NaN	CCNB3, E2F7, MYT1
Cell Cycle Control of Chromosomal Replication	0	0.0179	NaN	CDCA5
Role of Tissue Factor in Cancer	0	0.0603	NaN	EGFR, F10, F3, FGA, MMP13, RASD2, RPS8KA6
Spliceosomal Cycle	0	0.0204	NaN	SF3B6
IL-17A Signaling in Airway Cells	0	0.0299	NaN	CCL11, IL17RC
Role of IL-17A in Arthritis	0	0.0702	NaN	CCL17, IL17RC, MMP13, NOS2
IL-17A Signaling in Fibroblasts	0	0.0526	NaN	CCL7, IL17RC
Role of JAK1 and JAK3 in γ Cytokine Signaling	0	0.029	NaN	IL9R, RASD2
Actin Nucleation by ARP-WASP Complex	0	0.0538	NaN	ITGA11, ITGA8, RASD2, RHOJ, RHOV
NGF Signaling	0	0.0254	NaN	RASD2, RPS8KA6, SHC3
Telomerase Signaling	0	0.0187	NaN	EGFR, RASD2
Mouse Embryonic Stem Cell Pluripotency	0	0.0182	NaN	LIFR, RASD2
Hematopoiesis from Pluripotent Stem Cells	0	0.0068	NaN	IL3, TRAV1-2, TRAV10
Hematopoiesis from Multipotent Stem Cells	0	0.0653	NaN	IL3
Transcriptional Regulatory Network in Embryonic Stem Cells	0	0.0556	NaN	HNF4A, RFX4, SIX3
NOS Signaling	0	0.0426	NaN	LBP, NOS2
Ephrin A Signaling	0	0.0638	NaN	EPHA10, EPHA2, EPHA8
Ephrin B Signaling	0	0.0278	NaN	CXCL10, GNG4
ERBB-ERBB3 Signaling	0	0.0615	NaN	ERBB3, ETV4, NRG4, RASD2
ERBB4 Signaling	0	0.0441	NaN	ERBB4, NRG4, RASD2
Estrogen-mediated S-phase Entry	0	0.0769	NaN	E2F7, ESR2
GDNF Family Ligand-Receptor Interactions	0	0.0263	NaN	ARTN, RASD2
Fatty Acid Activation	0	0.0714	NaN	ACSBG2
Retinoic Acid Biosynthesis I	0	0.0556	NaN	ALDH1A3, SDR8C7
Androgen Biosynthesis	0	0.0556	NaN	HSD3B2
Glutathione Redox Reactions I	0	0.04	NaN	GPX8
GDP-dependent Biosynthesis I (nonmetal)	0	0.0455	NaN	PNPLA3
Acyl-CoA Hydrolysis	0	0.0769	NaN	HNF4A
The Visual Cycle	0	0.05	NaN	RLBP1
V-Indolene Biosynthesis II (Animals)	0	0.0556	NaN	ACSBG2
D-thyo-inositol (1,4,5)-Triphosphate Biosynthesis	0	0.0385	NaN	PLCB4
Glutathione Biosynthesis II (Animals)	0	0.0769	NaN	PIPTT2
Glutathione-mediated Detoxification	0	0.0625	NaN	GSTA2, GSTA3
Phosphatidylglycerol Biosynthesis II (Non-planticid)	0	0.0417	NaN	PNPLA3
Purine Nucleotides Degradation II (Aerobic)	0	0.0526	NaN	GDA
Mitochondrial ϵ -carnitine Shuttle Pathway	0	0.0556	NaN	ACSBG2
Triacylglycerol Biosynthesis	0	0.0851	NaN	LPIN3, PLPP2, PLPP4, PNPLA3
Guanosine Nucleotides Degradation III	0	0.0769	NaN	GDA
Fatty Acid β -oxidation I	0	0.0294	NaN	ACSBG2
Methionine Degradation I (to Homocysteine)	0	0.0442	NaN	PIPTT2
DNA damage-induced 14-3-3 σ Signaling	0	0.0526	NaN	CCNB3
PDF Signaling	0	0.0238	NaN	HNF1B, RASD2
Remodeling of Epithelial Adherens Junctions	0	0.0735	NaN	ACTG2, ACTN2, MET, TUBA3E, TUBB8
Cysteine Biosynthesis II (nonmetal)	0	0.0417	NaN	PNPLA3
Regulation of the Epithelial-Mesenchymal Transition Pathway	0	0.0769	NaN	EGFR, FGF1, FGF17, FGF18, FGF21, FGF7, FGF9, HMGGA2, MET, MMP2, PAR6G, PYGO1, RASD2, WNT8B, WNT9B
UVB-Induced MAPK Signaling	0	0.0408	NaN	EGFR, PLCB4, RASD2, RPS8KA6

UVB-Induced MAPK Signaling	0	0.1192	NaN	EGFR
UV-C-Induced MAPK Signaling	0	0.0392	NaN	EGFR,RASD2
Adipogenesis pathway	0	0.0296	NaN	BMP7,FGF1,PLIN1,SOX9
HIPPO signaling	0	0.0353	NaN	CRB1,TEAD1,TEAD4
PCP (Planar Cell Polarity) Pathway	0	0.0333	NaN	WNT8B,WNT19B
Unfolded protein response	0	0.0222	NaN	DNAJB13,DNAJC5G
WNT/Ca+ pathway	0	0.0469	NaN	PDE8A,PDE8C,PLCB4
Parkinson's Signaling	0	0.0625	NaN	UCHL1
Toll-like Receptor Signaling	0	0.0256	NaN	IL37,LBP
EGF Signaling	0	0.0182	NaN	EGFR
Cell Cycle: G1/S Checkpoint Regulation	0	0.0147	NaN	E2F7
SAPK/JNK Signaling	0	0.0096	NaN	GNMG4,MAPK8IP1,RASD2,TRAV1-2,TRAV10
PI3K/AKT Signaling	0	0.0503	NaN	IL17RC,IL17RD,IL17RE,IL17RL2,IL22RA1,IL3IR,ITGA11,ITGA8,MAPK8IP1,RASD2
Protein Ubiquitination Pathway	0	0.0473	NaN	DNAJB13,DNAJC5G,HSPB8,HSPF1,PSMA4,UBE2U,UCHL1,USP16,USP26,USP29,USP41,USP43,USP6
IL-2 Signaling	0	0.0164	NaN	RASD2
JAK/STAT Signaling	0	0.0122	NaN	RASD2
Cell Cycle: G2/M DNA Damage Checkpoint Regulation	0	0.02	NaN	CCNB3
Xenobiotic Metabolism Signaling	0	0.0799	NaN	AHRR,ALDH1A3,ALDH1L1,ALDH3A1,ALDH7A1,CEB3,CESSA,CHST3,CYP1A1,CYP2B6,CYP3A4,GSTA2,GSTA3,HSS3T2,HS6ST2,MAOB,NOS2,NR1H2,RASD2,SULT1C2,SULT1A4,UGT1A1,UGT1A11,UGT1A8 (includes others)
IL-4 Signaling	0	0.0108	NaN	RASD2
B Cell Receptor Signaling	0	0.00636	NaN	BCL2A1,IGHV1-45,IGLV11-55,RASD2
Insulin Receptor Signaling	0	0.0286	NaN	ASXC2,RASD2,SCNN1B,SCNN1G
Neurotrophin/Trk Signaling	0	0.0656	NaN	KLK3,NTF3,NTRK2,NTRK3,RASD2
Sonic Hedgehog Signaling	0	0.0345	NaN	GLIS1
Death Receptor Signaling	0	0.0104	NaN	ACTG2
PPAR Signaling	0	0.0374	NaN	IL1RL2,IL37,PDGFRA,RASD2
IGF-1 Signaling	0	0.0385	NaN	IGF1,IGFBP1,IGFBP5,RASD2
TGF-β Signaling	0	0.0729	NaN	AMHR2,BMP7,HNF4A,HOX9,INH4,RASD2,SMAD6
Hypoxia Signaling in the Cardiovascular System	0	0.0135	NaN	UBE2U
PDGF Signaling	0	0.0233	NaN	PDGFRA,RASD2
BMP signaling pathway	0	0.069	NaN	BMP7,IST,GREM1,HOX9,RASD2,SMAD6
Thapsigargin Maturation	0	0.0755	NaN	ATP6W04,ATPV1B1,CTSV,DYNC11,LPO,NOS1,NOX1,SNAP25,TPO,TUBA3E,TUBA4B,TUBB8
Autophagy	0	0.0141	NaN	ATG10,IGF1,PRKAA2
Macropinosytosis Signaling	0	0.0263	NaN	MET,RASD2
Inflammasome pathway	0	0.05	NaN	AIM2
Cancer Drug Resistance By Drug Efflux	0	0.0172	NaN	RASD2
Sumoylation Pathway	0	0.0194	NaN	RHOJ,RHOV
Th1 and Th2 Activation Pathway	0	0.0116	NaN	IL13,IL3
Th2 Pathway	0	0.0146	NaN	IL13,IL3
IL-7 Signaling Pathway	0	0.0128	NaN	MET
Iron homeostasis signaling pathway	0	0.0719	NaN	ATP6W04,ATPV1B1,BMP7,EGFR,HAMP,HBA1,HBA2,HIF3A,HJV,PDGFRA,TF
Th17 Activation Pathway	0	0.0103	NaN	DEFB119,DEFB124,IL23R,TRAV1-2,TRAV10
Endocannabinoid Developing Neuron Pathway	0	0.0407	NaN	ADCY10,ADCY2,GNMG4,MAPK4,RASD2
Apelin Pancreas Signaling Pathway	0	0.0435	NaN	APLN,PRKAA2
Apelin Muscle Signaling Pathway	0	0.0625	NaN	APLN,GNMG4,PRKAA2
BAG2 Signaling Pathway	0	0.0357	NaN	CHRNA7,MAPT,PSMA4
FAT10 Signaling Pathway	0	0.0179	NaN	PSMA4
FAT10 Cancer Signaling Pathway	0	0.02	NaN	HDXB9
PRKFB4 Signaling Pathway	0	0.0435	NaN	AMPD1,FBP2
T Cell Exhaustion Signaling Pathway	0	0.00707	NaN	KDR,RASD2,TRAV1-2,TRAV10
IL-23 Signaling Pathway	0	0.0217	NaN	IL23R
Inhibition of ARE-Mediated miRNA Degradation Pathway	0	0.0124	NaN	MAPK4,PSMA4
BE23 Signaling Pathway	0	0.037	NaN	KLK3,MMP2,VEGFD
Regulation Of The Epithelial Mesenchymal Transition In Development Pathway	0	0.046	NaN	GLIS1,PGO1,WNT8B,WNT9B
Kinetochore Metaphase Signaling Pathway	0	0.0381	NaN	DNAH10,DNAH3,NEK2,SMC1B
GM-CSF Signaling	0	0.0286	NaN	BCL2A1,RASD2
Ferroptosis Signaling Pathway	0	0.0317	NaN	NOX1,PRKAA2,RASD2,TF

Supplemental Table 10. Ingenuity Pathway Analysis (IPA) of differentially expressed transcripts from the SJD-Ro+ whole blood RNA-seq analysis.

Ingenuity Canonical Pathways	-log(p-value)	Ratio	Z-score	Molecules
CREB Signaling in Neurons	1.71	0.0684	-5.925	ADCY2,ADGRF5,ADGRG2,ADGRG4,ADGRG7,ADRA1B,BDKR2,CACNA1B,CACNG5,CALCR,EGFR,FSHR,GABBR2,GALR1,GPR1,GPR137,G, GPR156,GPR173,GPR176,GPR179,GPR183,GPR185,GPR186,GPR187,GPR188,GPR189,GPR190,GPR191,GPR192,GPR193,GPR194,GPR195,GPR196,GPR197,GPR198,GPR199,GPR200,GPR201,GPR202,GPR203,GPR204,GPR205,GPR206,GPR207,GPR208,GPR209,GPR210,GPR211,GPR212,GPR213,GPR214,GPR215,GPR216,GPR217,GPR218,GPR219,GPR220,GPR221,GPR222,GPR223,GPR224,GPR225,GPR226,GPR227,GPR228,GPR229,GPR230,GPR231,GPR232,GPR233,GPR234,GPR235,GPR236,GPR237,GPR238,GPR239,GPR240,GPR241,GPR242,GPR243,GPR244,GPR245,GPR246,GPR247,GPR248,GPR249,GPR250,GPR251,GPR252,GPR253,GPR254,GPR255,GPR256,GPR257,GPR258,GPR259,GPR260,GPR261,GPR262,GPR263,GPR264,GPR265,GPR266,GPR267,GPR268,GPR269,GPR270,GPR271,GPR272,GPR273,GPR274,GPR275,GPR276,GPR277,GPR278,GPR279,GPR280,GPR281,GPR282,GPR283,GPR284,GPR285,GPR286,GPR287,GPR288,GPR289,GPR290,GPR291,GPR292,GPR293,GPR294,GPR295,GPR296,GPR297,GPR298,GPR299,GPR300,GPR301,GPR302,GPR303,GPR304,GPR305,GPR306,GPR307,GPR308,GPR309,GPR310,GPR311,GPR312,GPR313,GPR314,GPR315,GPR316,GPR317,GPR318,GPR319,GPR320,GPR321,GPR322,GPR323,GPR324,GPR325,GPR326,GPR327,GPR328,GPR329,GPR330,GPR331,GPR332,GPR333,GPR334,GPR335,GPR336,GPR337,GPR338,GPR339,GPR340,GPR341,GPR342,GPR343,GPR344,GPR345,GPR346,GPR347,GPR348,GPR349,GPR350,GPR351,GPR352,GPR353,GPR354,GPR355,GPR356,GPR357,GPR358,GPR359,GPR360,GPR361,GPR362,GPR363,GPR364,GPR365,GPR366,GPR367,GPR368,GPR369,GPR370,GPR371,GPR372,GPR373,GPR374,GPR375,GPR376,GPR377,GPR378,GPR379,GPR380,GPR381,GPR382,GPR383,GPR384,GPR385,GPR386,GPR387,GPR388,GPR389,GPR390,GPR391,GPR392,GPR393,GPR394,GPR395,GPR396,GPR397,GPR398,GPR399,GPR400,GPR401,GPR402,GPR403,GPR404,GPR405,GPR406,GPR407,GPR408,GPR409,GPR410,GPR411,GPR412,GPR413,GPR414,GPR415,GPR416,GPR417,GPR418,GPR419,GPR420,GPR421,GPR422,GPR423,GPR424,GPR425,GPR426,GPR427,GPR428,GPR429,GPR430,GPR431,GPR432,GPR433,GPR434,GPR435,GPR436,GPR437,GPR438,GPR439,GPR440,GPR441,GPR442,GPR443,GPR444,GPR445,GPR446,GPR447,GPR448,GPR449,GPR450,GPR451,GPR452,GPR453,GPR454,GPR455,GPR456,GPR457,GPR458,GPR459,GPR460,GPR461,GPR462,GPR463,GPR464,GPR465,GPR466,GPR467,GPR468,GPR469,GPR470,GPR471,GPR472,GPR473,GPR474,GPR475,GPR476,GPR477,GPR478,GPR479,GPR480,GPR481,GPR482,GPR483,GPR484,GPR485,GPR486,GPR487,GPR488,GPR489,GPR490,GPR491,GPR492,GPR493,GPR494,GPR495,GPR496,GPR497,GPR498,GPR499,GPR500,GPR501,GPR502,GPR503,GPR504,GPR505,GPR506,GPR507,GPR508,GPR509,GPR510,GPR511,GPR512,GPR513,GPR514,GPR515,GPR516,GPR517,GPR518,GPR519,GPR520,GPR521,GPR522,GPR523,GPR524,GPR525,GPR526,GPR527,GPR528,GPR529,GPR530,GPR531,GPR532,GPR533,GPR534,GPR535,GPR536,GPR537,GPR538,GPR539,GPR540,GPR541,GPR542,GPR543,GPR544,GPR545,GPR546,GPR547,GPR548,GPR549,GPR550,GPR551,GPR552,GPR553,GPR554,GPR555,GPR556,GPR557,GPR558,GPR559,GPR560,GPR561,GPR562,GPR563,GPR564,GPR565,GPR566,GPR567,GPR568,GPR569,GPR570,GPR571,GPR572,GPR573,GPR574,GPR575,GPR576,GPR577,GPR578,GPR579,GPR580,GPR581,GPR582,GPR583,GPR584,GPR585,GPR586,GPR587,GPR588,GPR589,GPR590,GPR591,GPR592,GPR593,GPR594,GPR595,GPR596,GPR597,GPR598,GPR599,GPR600,GPR601,GPR602,GPR603,GPR604,GPR605,GPR606,GPR607,GPR608,GPR609,GPR610,GPR611,GPR612,GPR613,GPR614,GPR615,GPR616,GPR617,GPR618,GPR619,GPR620,GPR621,GPR622,GPR623,GPR624,GPR625,GPR626,GPR627,GPR628,GPR629,GPR630,GPR631,GPR632,GPR633,GPR634,GPR635,GPR636,GPR637,GPR638,GPR639,GPR640,GPR641,GPR642,GPR643,GPR644,GPR645,GPR646,GPR647,GPR648,GPR649,GPR650,GPR651,GPR652,GPR653,GPR654,GPR655,GPR656,GPR657,GPR658,GPR659,GPR660,GPR661,GPR662,GPR663,GPR664,GPR665,GPR666,GPR667,GPR668,GPR669,GPR670,GPR671,GPR672,GPR673,GPR674,GPR675,GPR676,GPR677,GPR678,GPR679,GPR680,GPR681,GPR682,GPR683,GPR684,GPR685,GPR686,GPR687,GPR688,GPR689,GPR690,GPR691,GPR692,GPR693,GPR694,GPR695,GPR696,GPR697,GPR698,GPR699,GPR700,GPR701,GPR702,GPR703,GPR704,GPR705,GPR706,GPR707,GPR708,GPR709,GPR710,GPR711,GPR712,GPR713,GPR714,GPR715,GPR716,GPR717,GPR718,GPR719,GPR720,GPR721,GPR722,GPR723,GPR724,GPR725,GPR726,GPR727,GPR728,GPR729,GPR730,GPR731,GPR732,GPR733,GPR734,GPR735,GPR736,GPR737,GPR738,GPR739,GPR740,GPR741,GPR742,GPR743,GPR744,GPR745,GPR746,GPR747,GPR748,GPR749,GPR750,GPR751,GPR752,GPR753,GPR754,GPR755,GPR756,GPR757,GPR758,GPR759,GPR760,GPR761,GPR762,GPR763,GPR764,GPR765,GPR766,GPR767,GPR768,GPR769,GPR770,GPR771,GPR772,GPR773,GPR774,GPR775,GPR776,GPR777,GPR778,GPR779,GPR780,GPR781,GPR782,GPR783,GPR784,GPR785,GPR786,GPR787,GPR788,GPR789,GPR790,GPR791,GPR792,GPR793,GPR794,GPR795,GPR796,GPR797,GPR798,GPR799,GPR800,GPR801,GPR802,GPR803,GPR804,GPR805,GPR806,GPR807,GPR808,GPR809,GPR810,GPR811,GPR812,GPR813,GPR814,GPR815,GPR816,GPR817,GPR818,GPR819,GPR820,GPR821,GPR822,GPR823,GPR824,GPR825,GPR826,GPR827,GPR828,GPR829,GPR830,GPR831,GPR832,GPR833,GPR834,GPR835,GPR836,GPR837,GPR838,GPR839,GPR840,GPR841,GPR842,GPR843,GPR844,GPR845,GPR846,GPR847,GPR848,GPR849,GPR850,GPR851,GPR852,GPR853,GPR854,GPR855,GPR856,GPR857,GPR858,GPR859,GPR860,GPR861,GPR862,GPR863,GPR864,GPR865,GPR866,GPR867,GPR868,GPR869,GPR870,GPR871,GPR872,GPR873,GPR874,GPR875,GPR876,GPR877,GPR878,GPR879,GPR880,GPR881,GPR882,GPR883,GPR884,GPR885,GPR886,GPR887,GPR888,GPR889,GPR890,GPR891,GPR892,GPR893,GPR894,GPR895,GPR896,GPR897,GPR898,GPR899,GPR900,GPR901,GPR902,GPR903,GPR904,GPR905,GPR906,GPR907,GPR908,GPR909,GPR910,GPR911,GPR912,GPR913,GPR914,GPR915,GPR916,GPR917,GPR918,GPR919,GPR920,GPR921,GPR922,GPR923,GPR924,GPR925,GPR926,GPR927,GPR928,GPR929,GPR930,GPR931,GPR932,GPR933,GPR934,GPR935,GPR936,GPR937,GPR938,GPR939,GPR940,GPR941,GPR942,GPR943,GPR944,GPR945,GPR946,GPR947,GPR948,GPR949,GPR950,GPR951,GPR952,GPR953,GPR954,GPR955,GPR956,GPR957,GPR958,GPR959,GPR960,GPR961,GPR962,GPR963,GPR964,GPR965,GPR966,GPR967,GPR968,GPR969,GPR970,GPR971,GPR972,GPR973,GPR974,GPR975,GPR976,GPR977,GPR978,GPR979,GPR980,GPR981,GPR982,GPR983,GPR984,GPR985,GPR986,GPR987,GPR988,GPR989,GPR990,GPR991,GPR992,GPR993,GPR994,GPR995,GPR996,GPR997,GPR998,GPR999,GPR1000

Osteoarthritis Pathway	0	0.047	1	CASP14, CASP9, DDX2, GREM1, IL1R2, ITGA11, MATN3, S100A8, SMAD6, SOX9, TIMP3
Endocannabinoid Cancer Inhibition Pathway	0	0.035	1,342	ADCY2, CASP14, CASP5, MMP2, NOS1
Neuroinflammation Signaling Pathway	0.627	0.0571	1,508	CALB2, CD80, CXCL10, CXCL12, GABBR2, GABRA3, GABRE, GABRP, GABRO, GAD2, PLA2G2A, PLA2G2D, PLA2G2E, PLA2G4D, PLA2G4E, PLA2G5, SLC6A13
SPINK1 Pancreatic Cancer Pathway	1.2	0.1	1,683	CELSA3, CPA2, CPA4, ELANE, KLK10, KLK2
Role of PRR in Interferon Induction and Antiviral Response	1.24	0.0899	2	CASP9, DDX58, EIF2AK2, F2OR1A, IFIH1, MMR1, NLRP11, NLRP13, NLRP14, NLRP4, NLRP9
Erythropoietin Signaling Pathway	0	0.0282	2	HBS2, IL17C, IL17D, IL3, SHC3
Role of Pattern Recognition Receptors in Recognition of Bacteria and Viruses	0.917	0.0705	2,236	C1QB, C1QC, DDX58, EIF2AK2, IFIH1, IL17C, IL17D, IL3, OAS1, OAS2, OAS3
EIF2 Signaling	0	0.0268	2,236	EIF2AK2, RPL23, RPL26, RPL34, RPL7, RPS24
IFITM Signaling	0	0.04	2,236	EGFR, ITGA11, KDR, NTRK2, NTRK3, PDGFRA
Interferon Signaling	3.85	0.222	2,828	IFI5, IFI6, IFIT1, IFIT3, IFITM3, ISG15, MX1, OAS1
Oxidative Phosphorylation	0.827	0.0727	2,828	ATP5ME, ATP5PF, COX7B, COX7C, NDUFA1, NDUFB3, NDUFS5, UQCRCB
Antioxidant Action of Vitamin C	2.21	0.108	3	PLA2G2A, PLA2G2C, PLA2G2D, PLA2G2E, PLA2G4D, PLA2G4E, PLA2G5, PLA2R1, PLCB4, SLC2A2, TXN, TXNRD3
Role of Hypercytokinemia/Thyesthemia in the Pathogenesis of Influenza	2.62	0.128	3,312	CXCL10, DDX58, EIF2AK2, IFIT1, IFIT3, ISG15, MX1, OAS1, OAS2, OAS3, PADI2
Hepatic Fibrosis / Hepatic Stellate Cell Activation	3.87	0.113	NaN	COL1A1, COL1A2, COL1A3, COL1A4, COL1A5, COL1A6, COL1A7, COL1A8, COL1A9, CYP2E1, EGFR, IGF1R, IL1R2, KDR, MMP2, MYH11, MYH2, MYH8, MYL6, MYO1B, MYO1H, PDGFRA
Atherosclerosis Signaling	3.37	0.123	NaN	COL1A1, CXCL12, F3, LPA, MSR1, PLA2G2A, PLA2G2C, PLA2G2D, PLA2G2E, PLA2G4D, PLA2G4E, PLA2G5, PLA2R1, S100A8, SELE, TPSAB1, TPSTB2
Glucocorticoid Receptor Signaling	2.59	0.074	NaN	ANKK1, CDKN1C, DNAH10, DNAH3, EGFR, FCGR1A, G6PC1, HP, IL17RC, IL17RD, IL17RE, IL1R2, IL3, IIR, KRIT1, KRIT2, KRIT4, KRIT22, KRIT24, KRIT2, KRIT3, KRIT3A, KRIT3B, KRIT3C, KRIT3D, KRIT3E, KRIT3F, KRIT3G, KRIT3H, KRIT3I, KRIT3J, KRIT3K, KRIT3L, KRIT3M, KRIT3N, KRIT3O, KRIT3P, KRIT3Q, KRIT3R, KRIT3S, KRIT3T, KRIT3U, KRIT3V, KRIT3W, KRIT3X, KRIT3Y, KRIT3Z, KRIT4A, KRIT4B, KRIT4C, KRIT4D, KRIT4E, KRIT4F, KRIT4G, KRIT4H, KRIT4I, KRIT4J, KRIT4K, KRIT4L, KRIT4M, KRIT4N, KRIT4O, KRIT4P, KRIT4Q, KRIT4R, KRIT4S, KRIT4T, KRIT4U, KRIT4V, KRIT4W, KRIT4X, KRIT4Y, KRIT4Z, KRIT5, KRIT5A, KRIT5B, KRIT5C, KRIT5D, KRIT5E, KRIT5F, KRIT5G, KRIT5H, KRIT5I, KRIT5J, KRIT5K, KRIT5L, KRIT5M, KRIT5N, KRIT5O, KRIT5P, KRIT5Q, KRIT5R, KRIT5S, KRIT5T, KRIT5U, KRIT5V, KRIT5W, KRIT5X, KRIT5Y, KRIT5Z, KRIT6, KRIT6A, KRIT6B, KRIT6C, KRIT6D, KRIT6E, KRIT6F, KRIT6G, KRIT6H, KRIT6I, KRIT6J, KRIT6K, KRIT6L, KRIT6M, KRIT6N, KRIT6O, KRIT6P, KRIT6Q, KRIT6R, KRIT6S, KRIT6T, KRIT6U, KRIT6V, KRIT6W, KRIT6X, KRIT6Y, KRIT6Z, KRIT7, KRIT7A, KRIT7B, KRIT7C, KRIT7D, KRIT7E, KRIT7F, KRIT7G, KRIT7H, KRIT7I, KRIT7J, KRIT7K, KRIT7L, KRIT7M, KRIT7N, KRIT7O, KRIT7P, KRIT7Q, KRIT7R, KRIT7S, KRIT7T, KRIT7U, KRIT7V, KRIT7W, KRIT7X, KRIT7Y, KRIT7Z, KRIT8, KRIT8A, KRIT8B, KRIT8C, KRIT8D, KRIT8E, KRIT8F, KRIT8G, KRIT8H, KRIT8I, KRIT8J, KRIT8K, KRIT8L, KRIT8M, KRIT8N, KRIT8O, KRIT8P, KRIT8Q, KRIT8R, KRIT8S, KRIT8T, KRIT8U, KRIT8V, KRIT8W, KRIT8X, KRIT8Y, KRIT8Z, KRIT9, KRIT9A, KRIT9B, KRIT9C, KRIT9D, KRIT9E, KRIT9F, KRIT9G, KRIT9H, KRIT9I, KRIT9J, KRIT9K, KRIT9L, KRIT9M, KRIT9N, KRIT9O, KRIT9P, KRIT9Q, KRIT9R, KRIT9S, KRIT9T, KRIT9U, KRIT9V, KRIT9W, KRIT9X, KRIT9Y, KRIT9Z, KRIT10, KRIT10A, KRIT10B, KRIT10C, KRIT10D, KRIT10E, KRIT10F, KRIT10G, KRIT10H, KRIT10I, KRIT10J, KRIT10K, KRIT10L, KRIT10M, KRIT10N, KRIT10O, KRIT10P, KRIT10Q, KRIT10R, KRIT10S, KRIT10T, KRIT10U, KRIT10V, KRIT10W, KRIT10X, KRIT10Y, KRIT10Z, KRIT11, KRIT11A, KRIT11B, KRIT11C, KRIT11D, KRIT11E, KRIT11F, KRIT11G, KRIT11H, KRIT11I, KRIT11J, KRIT11K, KRIT11L, KRIT11M, KRIT11N, KRIT11O, KRIT11P, KRIT11Q, KRIT11R, KRIT11S, KRIT11T, KRIT11U, KRIT11V, KRIT11W, KRIT11X, KRIT11Y, KRIT11Z, KRIT12, KRIT12A, KRIT12B, KRIT12C, KRIT12D, KRIT12E, KRIT12F, KRIT12G, KRIT12H, KRIT12I, KRIT12J, KRIT12K, KRIT12L, KRIT12M, KRIT12N, KRIT12O, KRIT12P, KRIT12Q, KRIT12R, KRIT12S, KRIT12T, KRIT12U, KRIT12V, KRIT12W, KRIT12X, KRIT12Y, KRIT12Z, KRIT13, KRIT13A, KRIT13B, KRIT13C, KRIT13D, KRIT13E, KRIT13F, KRIT13G, KRIT13H, KRIT13I, KRIT13J, KRIT13K, KRIT13L, KRIT13M, KRIT13N, KRIT13O, KRIT13P, KRIT13Q, KRIT13R, KRIT13S, KRIT13T, KRIT13U, KRIT13V, KRIT13W, KRIT13X, KRIT13Y, KRIT13Z, KRIT14, KRIT14A, KRIT14B, KRIT14C, KRIT14D, KRIT14E, KRIT14F, KRIT14G, KRIT14H, KRIT14I, KRIT14J, KRIT14K, KRIT14L, KRIT14M, KRIT14N, KRIT14O, KRIT14P, KRIT14Q, KRIT14R, KRIT14S, KRIT14T, KRIT14U, KRIT14V, KRIT14W, KRIT14X, KRIT14Y, KRIT14Z, KRIT15, KRIT15A, KRIT15B, KRIT15C, KRIT15D, KRIT15E, KRIT15F, KRIT15G, KRIT15H, KRIT15I, KRIT15J, KRIT15K, KRIT15L, KRIT15M, KRIT15N, KRIT15O, KRIT15P, KRIT15Q, KRIT15R, KRIT15S, KRIT15T, KRIT15U, KRIT15V, KRIT15W, KRIT15X, KRIT15Y, KRIT15Z, KRIT16, KRIT16A, KRIT16B, KRIT16C, KRIT16D, KRIT16E, KRIT16F, KRIT16G, KRIT16H, KRIT16I, KRIT16J, KRIT16K, KRIT16L, KRIT16M, KRIT16N, KRIT16O, KRIT16P, KRIT16Q, KRIT16R, KRIT16S, KRIT16T, KRIT16U, KRIT16V, KRIT16W, KRIT16X, KRIT16Y, KRIT16Z, KRIT17, KRIT17A, KRIT17B, KRIT17C, KRIT17D, KRIT17E, KRIT17F, KRIT17G, KRIT17H, KRIT17I, KRIT17J, KRIT17K, KRIT17L, KRIT17M, KRIT17N, KRIT17O, KRIT17P, KRIT17Q, KRIT17R, KRIT17S, KRIT17T, KRIT17U, KRIT17V, KRIT17W, KRIT17X, KRIT17Y, KRIT17Z, KRIT18, KRIT18A, KRIT18B, KRIT18C, KRIT18D, KRIT18E, KRIT18F, KRIT18G, KRIT18H, KRIT18I, KRIT18J, KRIT18K, KRIT18L, KRIT18M, KRIT18N, KRIT18O, KRIT18P, KRIT18Q, KRIT18R, KRIT18S, KRIT18T, KRIT18U, KRIT18V, KRIT18W, KRIT18X, KRIT18Y, KRIT18Z, KRIT19, KRIT19A, KRIT19B, KRIT19C, KRIT19D, KRIT19E, KRIT19F, KRIT19G, KRIT19H, KRIT19I, KRIT19J, KRIT19K, KRIT19L, KRIT19M, KRIT19N, KRIT19O, KRIT19P, KRIT19Q, KRIT19R, KRIT19S, KRIT19T, KRIT19U, KRIT19V, KRIT19W, KRIT19X, KRIT19Y, KRIT19Z, KRIT20, KRIT20A, KRIT20B, KRIT20C, KRIT20D, KRIT20E, KRIT20F, KRIT20G, KRIT20H, KRIT20I, KRIT20J, KRIT20K, KRIT20L, KRIT20M, KRIT20N, KRIT20O, KRIT20P, KRIT20Q, KRIT20R, KRIT20S, KRIT20T, KRIT20U, KRIT20V, KRIT20W, KRIT20X, KRIT20Y, KRIT20Z, KRIT21, KRIT21A, KRIT21B, KRIT21C, KRIT21D, KRIT21E, KRIT21F, KRIT21G, KRIT21H, KRIT21I, KRIT21J, KRIT21K, KRIT21L, KRIT21M, KRIT21N, KRIT21O, KRIT21P, KRIT21Q, KRIT21R, KRIT21S, KRIT21T, KRIT21U, KRIT21V, KRIT21W, KRIT21X, KRIT21Y, KRIT21Z, KRIT22, KRIT22A, KRIT22B, KRIT22C, KRIT22D, KRIT22E, KRIT22F, KRIT22G, KRIT22H, KRIT22I, KRIT22J, KRIT22K, KRIT22L, KRIT22M, KRIT22N, KRIT22O, KRIT22P, KRIT22Q, KRIT22R, KRIT22S, KRIT22T, KRIT22U, KRIT22V, KRIT22W, KRIT22X, KRIT22Y, KRIT22Z, KRIT23, KRIT23A, KRIT23B, KRIT23C, KRIT23D, KRIT23E, KRIT23F, KRIT23G, KRIT23H, KRIT23I, KRIT23J, KRIT23K, KRIT23L, KRIT23M, KRIT23N, KRIT23O, KRIT23P, KRIT23Q, KRIT23R, KRIT23S, KRIT23T, KRIT23U, KRIT23V, KRIT23W, KRIT23X, KRIT23Y, KRIT23Z, KRIT24, KRIT24A, KRIT24B, KRIT24C, KRIT24D, KRIT24E, KRIT24F, KRIT24G, KRIT24H, KRIT24I, KRIT24J, KRIT24K, KRIT24L, KRIT24M, KRIT24N, KRIT24O, KRIT24P, KRIT24Q, KRIT24R, KRIT24S, KRIT24T, KRIT24U, KRIT24V, KRIT24W, KRIT24X, KRIT24Y, KRIT24Z, KRIT25, KRIT25A, KRIT25B, KRIT25C, KRIT25D, KRIT25E, KRIT25F, KRIT25G, KRIT25H, KRIT25I, KRIT25J, KRIT25K, KRIT25L, KRIT25M, KRIT25N, KRIT25O, KRIT25P, KRIT25Q, KRIT25R, KRIT25S, KRIT25T, KRIT25U, KRIT25V, KRIT25W, KRIT25X, KRIT25Y, KRIT25Z, KRIT26, KRIT26A, KRIT26B, KRIT26C, KRIT26D, KRIT26E, KRIT26F, KRIT26G, KRIT26H, KRIT26I, KRIT26J, KRIT26K, KRIT26L, KRIT26M, KRIT26N, KRIT26O, KRIT26P, KRIT26Q, KRIT26R, KRIT26S, KRIT26T, KRIT26U, KRIT26V, KRIT26W, KRIT26X, KRIT26Y, KRIT26Z, KRIT27, KRIT27A, KRIT27B, KRIT27C, KRIT27D, KRIT27E, KRIT27F, KRIT27G, KRIT27H, KRIT27I, KRIT27J, KRIT27K, KRIT27L, KRIT27M, KRIT27N, KRIT27O, KRIT27P, KRIT27Q, KRIT27R, KRIT27S, KRIT27T, KRIT27U, KRIT27V, KRIT27W, KRIT27X, KRIT27Y, KRIT27Z, KRIT28, KRIT28A, KRIT28B, KRIT28C, KRIT28D, KRIT28E, KRIT28F, KRIT28G, KRIT28H, KRIT28I, KRIT28J, KRIT28K, KRIT28L, KRIT28M, KRIT28N, KRIT28O, KRIT28P, KRIT28Q, KRIT28R, KRIT28S, KRIT28T, KRIT28U, KRIT28V, KRIT28W, KRIT28X, KRIT28Y, KRIT28Z, KRIT29, KRIT29A, KRIT29B, KRIT29C, KRIT29D, KRIT29E, KRIT29F, KRIT29G, KRIT29H, KRIT29I, KRIT29J, KRIT29K, KRIT29L, KRIT29M, KRIT29N, KRIT29O, KRIT29P, KRIT29Q, KRIT29R, KRIT29S, KRIT29T, KRIT29U, KRIT29V, KRIT29W, KRIT29X, KRIT29Y, KRIT29Z, KRIT30, KRIT30A, KRIT30B, KRIT30C, KRIT30D, KRIT30E, KRIT30F, KRIT30G, KRIT30H, KRIT30I, KRIT30J, KRIT30K, KRIT30L, KRIT30M, KRIT30N, KRIT30O, KRIT30P, KRIT30Q, KRIT30R, KRIT30S, KRIT30T, KRIT30U, KRIT30V, KRIT30W, KRIT30X, KRIT30Y, KRIT30Z, KRIT31, KRIT31A, KRIT31B, KRIT31C, KRIT31D, KRIT31E, KRIT31F, KRIT31G, KRIT31H, KRIT31I, KRIT31J, KRIT31K, KRIT31L, KRIT31M, KRIT31N, KRIT31O, KRIT31P, KRIT31Q, KRIT31R, KRIT31S, KRIT31T, KRIT31U, KRIT31V, KRIT31W, KRIT31X, KRIT31Y, KRIT31Z, KRIT32, KRIT32A, KRIT32B, KRIT32C, KRIT32D, KRIT32E, KRIT32F, KRIT32G, KRIT32H, KRIT32I, KRIT32J, KRIT32K, KRIT32L, KRIT32M, KRIT32N, KRIT32O, KRIT32P, KRIT32Q, KRIT32R, KRIT32S, KRIT32T, KRIT32U, KRIT32V, KRIT32W, KRIT32X, KRIT32Y, KRIT32Z, KRIT33, KRIT33A, KRIT33B, KRIT33C, KRIT33D, KRIT33E, KRIT33F, KRIT33G, KRIT33H, KRIT33I, KRIT33J, KRIT33K, KRIT33L, KRIT33M, KRIT33N, KRIT33O, KRIT33P, KRIT33Q, KRIT33R, KRIT33S, KRIT33T, KRIT33U, KRIT33V, KRIT33W, KRIT33X, KRIT33Y, KRIT33Z, KRIT34, KRIT34A, KRIT34B, KRIT34C, KRIT34D, KRIT34E, KRIT34F, KRIT34G, KRIT34H, KRIT34I, KRIT34J, KRIT34K, KRIT34L, KRIT34M, KRIT34N, KRIT34O, KRIT34P, KRIT34Q, KRIT34R, KRIT34S, KRIT34T, KRIT34U, KRIT34V, KRIT34W, KRIT34X, KRIT34Y, KRIT34Z, KRIT35, KRIT35A, KRIT35B, KRIT35C, KRIT35D, KRIT35E, KRIT35F, KRIT35G, KRIT35H, KRIT35I, KRIT35J, KRIT35K, KRIT35L, KRIT35M, KRIT35N, KRIT35O, KRIT35P, KRIT35Q, KRIT35R, KRIT35S, KRIT35T, KRIT35U, KRIT35V, KRIT35W, KRIT35X, KRIT35Y, KRIT35Z, KRIT36, KRIT36A, KRIT36B, KRIT36C, KRIT36D, KRIT36E, KRIT36F, KRIT36G, KRIT36H, KRIT36I, KRIT36J, KRIT36K, KRIT36L, KRIT36M, KRIT36N, KRIT36O, KRIT36P, KRIT36Q, KRIT36R, KRIT36S, KRIT36T, KRIT36U, KRIT36V, KRIT36W, KRIT36X, KRIT36Y, KRIT36Z, KRIT37, KRIT37A, KRIT37B, KRIT37C, KRIT37D, KRIT37E, KRIT37F, KRIT37G, KRIT37H, KRIT37I, KRIT37J, KRIT37K, KRIT37L, KRIT37M, KRIT37N, KRIT37O, KRIT37P, KRIT37Q, KRIT37R, KRIT37S, KRIT37T, KRIT37U, KRIT37V, KRIT37W, KRIT37X, KRIT37Y, KRIT37Z, KRIT38, KRIT38A, KRIT38B, KRIT38C, KRIT38D, KRIT38E, KRIT38F, KRIT38G, KRIT38H, KRIT38I, KRIT38J, KRIT38K, KRIT38L, KRIT38M, KRIT38N, KRIT38O, KRIT38P, KRIT38Q, KRIT38R, KRIT38S, KRIT38T, KRIT38U, KRIT38V, KRIT38W, KRIT38X, KRIT38Y, KRIT38Z, KRIT39, KRIT39A, KRIT39B, KRIT39C, KRIT39D, KRIT39E, KRIT39F, KRIT39G, KRIT39H, KRIT39I, KRIT39J, KRIT39K, KRIT39L, KRIT39M, KRIT39N, KRIT39O, KRIT39P, KRIT39Q, KRIT39R, KRIT39S, KRIT39T, KRIT39U, KRIT39V, KRIT39W, KRIT39X, KRIT39Y, KRIT39Z, KRIT40, KRIT40A, KRIT40B, KRIT40C, KRIT40D, KRIT40E, KRIT40F, KRIT40G, KRIT40H, KRIT40I, KRIT40J, KRIT40K, KRIT40L, KRIT40M, KRIT40N, KRIT40O, KRIT40P, KRIT40Q, KRIT40R, KRIT40S, KRIT40T, KRIT40U, KRIT40V, KRIT40W, KRIT40X, KRIT40Y, KRIT40Z, KRIT41, KRIT41A, KRIT41B, KRIT41C, KRIT41D, KRIT41E, KRIT41F, KRIT41G, KRIT41H, KRIT41I, KRIT41J, KRIT41K, KRIT41L, KRIT41M, KRIT41N, KRIT41O, KRIT41P, KRIT41Q, KRIT41R, KRIT41S, KRIT41T, KRIT41U, KRIT41V, KRIT41W, KRIT41X, KRIT41Y, KRIT41Z, KRIT42, KRIT42A, KRIT42B, KRIT42C, KRIT42D, KRIT42E, KRIT42F, KRIT42G, KRIT42H, KRIT42I, KRIT42J, KRIT42K, KRIT42L, KRIT42M, KRIT42N, KRIT42O, KRIT42P, KRIT42Q, KRIT42R, KRIT42S, KRIT42T, KRIT42U, KRIT42V, KRIT42W, KRIT42X, KRIT42Y, KRIT42Z, KRIT43, KRIT43A, KRIT43B, KRIT43C, KRIT43D, KRIT43E, KRIT43F, KRIT43G, KRIT43H, KRIT43I, KRIT43J, KRIT43K, KRIT43L, KRIT43M, KRIT43N, KRIT43O, KRIT43P, KRIT43Q, KRIT43R, KRIT43S, KRIT43T, KRIT43U, KRIT43V, KRIT43W, KRIT43X, KRIT43Y, KRIT43Z, KRIT44, KRIT44A, KRIT44B, KRIT44C, KRIT44D, KRIT44E, KRIT44F, KRIT44G, KRIT44H, KRIT44I, KRIT44J, KRIT44K, KRIT44L, KRIT44M, KRIT44N, KRIT44O, KRIT44P, KRIT44Q, KRIT44R, KRIT44S, KRIT44T, KRIT44U, KRIT44V, KRIT44W, KRIT44X, KRIT44Y, KRIT44Z, KRIT45, KRIT45A, KRIT45B, KRIT45C, KRIT45D, KRIT45E, KRIT45F, KRIT45G, KRIT45H, KRIT45I, KRIT45J, KRIT45K, KRIT45L, KRIT45M, KRIT45N, KRIT45O, KRIT45P, KRIT45Q, KRIT45R, KRIT45S, KRIT45T, KRIT45U, KRIT45V, KRIT45W, KRIT45X, KRIT45Y, KRIT45Z, KRIT46, KRIT46A, KRIT46B, KRIT46C, KRIT46D, KRIT46E, KRIT46F, KRIT46G, KRIT46H, KRIT46I, KRIT46J, KRIT46K, KRIT46L, KRIT46M, KRIT46N, KRIT46O, KRIT46P, KRIT46Q, KRIT46R, KRIT46S, KRIT46T, KRIT46U, KRIT46V, KRIT46W, KRIT46X, KRIT46Y, KRIT46Z, KRIT47, KRIT47A, KRIT47B, KRIT47C, KRIT47D, KRIT47E, KRIT47F, KRIT47G, KRIT47H, KRIT47I, KRIT47J, KRIT47K, KRIT47L, KRIT47M, KRIT47N, KRIT47O, KRIT47P, KRIT47Q, KRIT47R, KRIT47S, KRIT47T, KRIT47U, KRIT47V, KRIT47W, KRIT47X, KRIT47Y, KRIT47Z, KRIT48, KRIT48A, KRIT48B, KRIT48C, KRIT48D, KRIT48E, KRIT48F, KRIT48G, KRIT48H, KRIT48I, KRIT48J, KRIT48K, KRIT48L, KRIT48M, KRIT48N, KRIT48O, KRIT48P, KRIT48Q, KRIT48R, KRIT48S, KRIT48T, KRIT48U, KRIT48V, KRIT48W, KRIT48X, KRIT48Y, KRIT48Z, KRIT49, KRIT49A, KRIT49B, KRIT49C, KRIT49D, KRIT49E, KRIT49F, KRIT49G, KRIT49H, KRIT49I, KRIT49J, KRIT49K, KRIT49L, KRIT49M, KRIT49N, KRIT49O, KRIT49P, KRIT49Q, KRIT49R, KRIT49S, KRIT49T, KRIT49U, KRIT49V, KRIT49W, KRIT49X, KRIT49Y, KRIT49Z, KRIT50, KRIT50A, KRIT50B, KRIT50C, KRIT50D, KRIT50E, KRIT50F, KRIT50G, KRIT50H, KRIT50I, KRIT50J, KRIT50K, KRIT50L, KRIT50M, KRIT50N, KRIT50O, KRIT50P, KRIT50Q, KRIT50R, KRIT50S, KRIT50T, KRIT50U, KRIT50V, KRIT50W, KRIT50X, KRIT50Y, KRIT50Z, KRIT51, KRIT51A, KRIT51B, KRIT51C, KRIT51D, KRIT51E, KRIT51F, KRIT51G, KRIT51H, KRIT51I, KRIT51J, KRIT51K, KRIT51L, KRIT51M, KRIT51N, KRIT51O, KRIT51P, KRIT51Q, KRIT51R, KRIT51S, KRIT51T, KRIT51U, KRIT51V, KRIT51W, KRIT51X, KRIT51Y, KRIT51Z, KRIT52, KRIT52A, KRIT52B, KRIT52C, KRIT52D, KRIT52E, KRIT52F, KRIT52G, KRIT52H, KRIT52I, KRIT52J, KRIT52K, KRIT52L, KRIT52M, KRIT52N, KRIT52O, KRIT52P, KRIT52Q, KRIT52R, KRIT52S, KRIT52T, KRIT52U, KRIT52V, KRIT52W, KRIT52X, KRIT52Y, KRIT52Z, KRIT53, KRIT53A, KRIT53B, KRIT53C, KRIT53D, KRIT53E, KRIT53F, KRIT53G, KRIT53H, KRIT53I, KRIT53J, KRIT53K, KRIT53L, KRIT53M, KRIT53N, KRIT53O, KRIT53P, KRIT53Q, KRIT53R, KRIT53S, KRIT53T, KRIT53U, KRIT53V, KRIT53W, KRIT53X, KRIT53Y, KRIT53Z, KRIT54, KRIT54A, KRIT54B, KRIT54C, KRIT54D, KRIT54E, KRIT54F, KRIT54G, KRIT54H, KRIT54I, KRIT54J, KRIT54K, KRIT54L, KRIT54M, KRIT54N, KRIT54O, KRIT54P, KRIT54Q, KRIT54R, KRIT54S, KRIT54T, KRIT54U, KRIT54V, KRIT54W, KRIT54X, KRIT54Y, KRIT54Z, KRIT55, KRIT55A, KRIT55B, KRIT55C, KRIT55D, KRIT55E, KRIT55F, KRIT55G, KRIT55H, KRIT55I, KRIT55J, KRIT55K, KRIT55L, KRIT55M, KRIT55N, KRIT55O, KRIT55P, KRIT55Q, KRIT55R, KRIT55S, KRIT55T, KRIT55U, KRIT55V, KRIT55W, KRIT55X, KRIT55Y, KRIT55Z, KRIT56, KRIT56A, KRIT56B, KRIT56C, KRIT56D, KRIT56E, KRIT56F, KRIT56G, KRIT56H, KRIT56I, KRIT56J, KRIT56K, KRIT56L, KRIT56M, KRIT56N, KRIT56O, KRIT56P, KRIT56Q, KRIT56R, KRIT56S, KRIT56T, KRIT56U, KRIT56V, KRIT56W, KRIT56X, KRIT56Y, KRIT56Z, KRIT57, KRIT57A, KRIT57B, KRIT57C, KRIT57D, KRIT57E, KRIT57F, KRIT57G, KRIT57H, KRIT57I, KRIT57J, KRIT57K, KRIT57L, KRIT57M, KRIT57N, KRIT57O, KRIT57P, KRIT57Q, KRIT57R, KRIT57S, KRIT57T, KRIT57U, KRIT57V, KRIT57W, KRIT57X, KRIT57Y, KRIT57Z, KRIT58, KRIT58A, KRIT58B, KRIT58C, KRIT58D, KRIT58E, KRIT58F, KRIT58G, KRIT58H, KRIT58I, KRIT58J, KRIT58K, KRIT58L, KRIT58M, KRIT58N, KRIT58O, KRIT58P, KRIT58Q, KRIT58R, KRIT58S, KRIT58T, KRIT58U, KRIT58V, KRIT58W, KRIT58X, KRIT58Y, KRIT58Z, KRIT59, KRIT59A, KRIT59B, KRIT59C, KRIT59D, KRIT59E, KRIT59F, KRIT59G, KRIT59H, KRIT59I, KRIT59J, KRIT59K, KRIT59L, KRIT59M, KRIT59N, KRIT59O, KRIT59P, KRIT59Q, KRIT59R, KRIT59S, KRIT59T, KRIT59U, KRIT59V, KRIT59W, KRIT59X, KRIT59Y, KRIT59Z, KRIT60, KRIT60A, KRIT60B, KRIT60C, KRIT60D, KRIT60E, KRIT60F, KRIT60G, KRIT60H, KRIT60I, KRIT60J, KRIT60K, KRIT60L, KRIT60M, KRIT60N, KRIT60O, KRIT60P, KRIT60Q, KRIT60R, KRIT60S, KRIT60T, KRIT60U, KRIT60V, KRIT60W, KRIT60X, KRIT60Y, KRIT60Z, KRIT61, KRIT61A, KRIT61B, KRIT61C, KRIT61D, KRIT61E, KRIT61F, KRIT61G, KRIT61H, KRIT61I, KRIT61J, KRIT61K, KRIT61L, KRIT61M, KRIT61N, KRIT61O, KRIT61P, KRIT61Q, KRIT61R, KRIT61S, KRIT61T, KRIT61U, KRIT61V, KRIT61W, KRIT61X, KRIT61Y, KRIT61Z, KRIT62, KRIT62A, KRIT62B, KRIT62C, KRIT62D, KRIT62E, KRIT62F, KRIT62G, KRIT62H, KRIT62I, KRIT62J, KRIT62K, KRIT62L, KRIT62M, KRIT62N, KRIT62O, KRIT62P, KRIT62Q, KRIT62R, KRIT62S, KRIT62T, KRIT62U, KRIT62V, KRIT62W, KRIT62X, KRIT62Y, KRIT62Z, KRIT63, KRIT63A, KRIT63B, KRIT63C, KRIT63D, KRIT63E, KRIT63F, KRIT63G, KRIT63H, KRIT63I, KRIT63J, KRIT63K, KRIT63L, KRIT63M, KRIT63N, KRIT63O, KRIT63P, KRIT63Q, KRIT63R, KRIT63S, KRIT63T, KRIT63U, KRIT63V, KRIT63W, KRIT63X, KRIT63Y, KRIT63Z, KRIT64, KRIT64A, KRIT64B, KRIT64C, KRIT64D, KRIT64E, KRIT64F, KRIT64G, KRIT64H, KRIT64I, KRIT64J, KRIT64K, KRIT64L, KRIT64M, KRIT64N, KRIT64O, KRIT64P, KRIT64Q, KRIT64R, KRIT64S, KRIT64T, KRIT64U, KRIT64V, KRIT64W, KRIT64X, KRIT64Y, KRIT64Z, KRIT65, KRIT65A, KRIT65B, KRIT65C, KRIT65D, KRIT65E, KRIT65F, KRIT65G, KRIT65H, KRIT65I, KRIT65J, KRIT65K, KRIT65L, KRIT65M, KRIT65N, KRIT65O, KRIT65P, KRIT65Q, KRIT65R, KRIT65S, KRIT65T, KRIT65U, KRIT65V, KRIT65W, KRIT65X, KRIT65Y, KRIT65Z, KRIT66, KRIT66A, KRIT66B, KRIT66C, KRIT66D, KRIT66E, KRIT66F, KRIT66G, KRIT66H, KRIT66I, KRIT66J, KRIT66K, KRIT66L, KRIT66M, KRIT66N, KRIT66O, KRIT66P, KRIT66Q, KRIT66R, KRIT66S, KRIT66T, KRIT66U, KRIT66V, KRIT66W, KRIT66X, KRIT66Y, KRIT66Z, KRIT67, KRIT67A, KRIT67B, KRIT67C, KRIT67D, KRIT67E, KRIT67F, KRIT67G, KRIT67H, KRIT67I, KRIT67J, KRIT67K, KRIT67L, KRIT67M, KRIT67N, KRIT67O, KRIT67P, KRIT67Q, KRIT67R, KRIT67S, KRIT67T, KRIT67U, KRIT67V, KRIT67W, KRIT67X, KRIT67Y, KRIT67Z, KRIT68, KRIT68A, KRIT68B, KRIT68C, KRIT68D, KRIT68E, KRIT68F, KRIT68G, KRIT68H, KRIT68I, KRIT68J, KRIT68K, KRIT68L, KRIT68M, KRIT68N, KRIT68O, KRIT68P, KRIT68Q, KRIT68R, KRIT68S, KRIT68T, KRIT68U, KRIT68V, KRIT68W, KRIT68X, KRIT68Y, KRIT68Z, KRIT69, KRIT69A, KRIT69B, KRIT69C, KRIT69D, KRIT69E, KRIT69F, KRIT69G, KRIT69H, KRIT69I, KR

IFNAR2/RXRA Activation	0	0.0207	NaN	ADCY2,IL1RL2,NR2F1,PLCB4
IRS3 Signaling	0	0.0102	NaN	WNT1
Hepatic Cholestasis	0	0.0037	NaN	ABCG8,ADCY2,HNF4A,IL17C,IL17D,IL1RL2,IL3
Mitochondrial Dysfunction	0	0.0468	NaN	ATP5ME,ATP5PF,COX7B,COX7C,NDUFA1,NDUFB3,NDUFS5,UOUCRB
Regulation of Actin-based Motility by Rho	0	0.0259	NaN	ITGA11,MYL6,RHOJ
RAR Activation	0	0.0204	NaN	ADCY2,ALDH3L3,NR2F1,SMAD6
14-3-3-mediated Signaling	0	0.0157	NaN	GFAP,PLCB4
α-Adrenergic Signaling	0	0.00943	NaN	ADCY2
Caveolar-mediated Endocytosis Signaling	0	0.0267	NaN	EGFR,ITGA11
Glutin-mediated Endocytosis Signaling	0	0.0207	NaN	FCER1G,IL3,S100A8,SH3GL2
Fcy Receptor-mediated Phagocytosis in Macrophages and Monocytes	0	0.0106	NaN	FCGR1A
IL-12 Signaling and Production in Macrophages	0	0.0221	NaN	IL23R,LPA,S100A8
FCγRIIb Signaling in B Lymphocytes	0	0.0235	NaN	CACNA1B,CACNG5
NF-κB Activation by Viruses	0	0.0128	NaN	IFITM3
CCR5 Signaling in Macrophages	0	0.014	NaN	CACNA1B,CACNG5,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Calcium-induced T Lymphocyte Apoptosis	0	0.0109	NaN	FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Cytotoxic T Lymphocyte-mediated Apoptosis of Target Cells	0	0.0118	NaN	FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
IL-3 Signaling	0	0.0127	NaN	IL3
ILP Signaling in Neutrophils	0	0.00763	NaN	PLCB4
CLM4 Signaling in Cytotoxic T Lymphocytes	0	0.0126	NaN	CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
T Helper Cell Differentiation	0	0.0149	NaN	CD80,FCER1G,IL23R,TRAV1-2,TRAV10,TRAV22,TRAV8-2
IL-9 Signaling	0	0.0286	NaN	IL9R
Oncostatin M Signaling	0	0.0465	NaN	MT2A,TIMP3
CD28 Signaling in T Helper Cells	0	0.0116	NaN	CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
IL-15 Signaling	0	0.00189	NaN	IGHA1
Viral Entry via Endocytic Pathways	0	0.00962	NaN	CAXR
Role of Cytokines in Mediating Communication between Immune Cells	0	0.0185	NaN	IL3
Mechanisms of Viral Exit from Host Cells	0	0.0244	NaN	SH3GL2
Reelin Signaling in Neurons	0	0.0238	NaN	DNAH13,DNAH3,MAPK8IP1
Melastatin Signaling	0	0.0159	NaN	PLCB4
Neuropathic Pain Signaling in Dorsal Horn Neurons	0	0.0287	NaN	GRM6,NTRK2,PLCB4
Factors Promoting Cardiogenesis in Vertebrates	0	0.0132	NaN	PLCB4,WNT9B
CNTF Signaling	0	0.0175	NaN	LIFR
Agm Interactions at Neuron-muscle Junction	0	0.0143	NaN	EGFR
Cardiomyocyte Differentiation via BMP Receptors	0	0.0455	NaN	SMAD6
Renin-Angiotensin Signaling	0	0.025	NaN	ADCY2,SHC3,SH2
Docosahexaenoic Acid (DHA) Signaling	0	0.0263	NaN	BCL2A1
Semaphorin Signaling in Neurons	0	0.0323	NaN	DPY5L5,RHOJ
CDK5 Signaling	0	0.0357	NaN	ADCY2,LAMA3,LAMC2,NTRK2
ICOS-ICOSL Signaling in T Helper Cells	0	0.0138	NaN	CD80,FCER1G,PLEKHA4,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Molecular Mechanisms of Cancer	0	0.018	NaN	ADCY2,ITGA11,PLCB4,RASGRF1,RHOJ,SHC3,SMAD6,WNT9B
Lipid Antigen Presentation by CD1	0	0.012	NaN	FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Nitric Roles of Polo-Like Kinase	0	0.0152	NaN	CCNB3
HGF Signaling	0	0.00758	NaN	ITGA11
Polyamine Regulation in Colon Cancer	0	0.0323	NaN	GAZ3,PSMA4
Cholecystokinin(Gastrin)-mediated Signaling	0	0.0252	NaN	EGFR,PLCB4,RHOJ
Human Embryonic Stem Cell Pluripotency	0	0.0101	NaN	NTRK2,NTRK3,PDGFRA,SMAD6,WNT9B
Melanocyte Development and Pigmentation Signaling	0	0.0106	NaN	ADCY2
ATM Signaling	0	0.0206	NaN	CCNB3,SMC1B
Antiproliferative Role of Somatostatin Receptor 2	0	0.039	NaN	GUCY2C,GUCY2F,NOS1
Androgen Signaling	0	0.0118	NaN	CACNA1B,CACNG5
Role of OCT4 in Mammalian Embryonic Stem Cell Pluripotency	0	0.0217	NaN	NR2F1
Germ Cell-Sertoli Cell Junction Signaling	0	0.0234	NaN	ACTN2,JUP,LAMC3,RHOJ
Aldosterone Signaling in Epithelial Cells	0	0.0305	NaN	DNAH13,DNAJC28,HSP61,PLCB4,SCNN1G
Role of NANOG in Mammalian Embryonic Stem Cell Pluripotency	0	0.025	NaN	CAT5,ILF3,WNT9B
Type 1 Diabetes Mellitus Signaling	0	0.0138	NaN	CD80,FCER1G,GAD2,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Small Cell Lung Cancer Signaling	0	0.0104	NaN	NOS1
Basal Cell Carcinoma Signaling	0	0.0139	NaN	WNT9B
Primary Immunodeficiency Signaling	0	0.0162	NaN	IGHA1
Allograft Rejection Signaling	0	0.0124	NaN	CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Glioma Signaling	0	0.0161	NaN	EGFR,PDGFRA
Autoimmune Thyroid Disease Signaling	0	0.0155	NaN	CD80,FCER1G,TPO,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Acute Myeloid Leukemia Signaling	0	0.011	NaN	JUP
Thyroid Cancer Signaling	0	0.0253	NaN	NTRK2,NTRK3
Bladder Cancer Signaling	0	0.0431	NaN	EGFR,FGFR3,IMP2,MMP20,MMP26
Graft-versus-Host Disease Signaling	0	0.0135	NaN	CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Type 2 Diabetes Mellitus Signaling	0	0.0263	NaN	ACRBB2,CACNA1B,CACNG5,SLC2A2
Non-Small Cell Lung Cancer Signaling	0	0.0186	NaN	EGFR
Production of Nitric Oxide and Reactive Oxygen Species in Macrophages	0	0.0157	NaN	LPA,RHOJ,S100A8
Gα12/13 Signaling	0	0.015	NaN	GDH13,MYL6
p70S6K Signaling	0	0.0152	NaN	EGFR,PLCB4
ERK5 Signaling	0	0.0139	NaN	EGFR
mTOR Signaling	0	0.00943	NaN	RHOJ,RPS24
Pancreatic Adenocarcinoma Signaling	0	0.0159	NaN	CYP2E1,EGFR
D Protein Signaling Mediated by Tubby	0	0.0227	NaN	PLCB4
Communication between Innate and Adaptive Immune Cells	0	0.00569	NaN	CD80,CXCL10,FCER1G,IGHA1,IL3,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Crosstalk between Dendritic Cells and Natural Killer Cells	0	0.022	NaN	CD80,IL3
Systemic Lupus Erythematosus Signaling	0	0.0242	NaN	BDKRB2,C7,C8A,C8B,CD80,FCER1G,FCGR1A,ILM3,PNL4-2,SNRPD1,SNRPP,TRAV1-2,TRAV10,TRAV22,TRAV8-2
UCD42 Signaling	0	0.0122	NaN	CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
FAK Signaling	0	0.0347	NaN	CXCL12,FCGR1A,IL17RC,IL1RL2,PLCB4,SELE,SFRP1,WNT9B
Retinoic acid Mediated Apoptosis Signaling	0	0.0333	NaN	PARP14,PARP9
AMPK Signaling	0	0.0289	NaN	ADRA1B,AK8,CHRNA5,CHRNA7,CHRN4,HNF4A,PFKFB1
PAK Signaling	0	0.0254	NaN	ITGA11,MYL6,PDGFRA
BAC Signaling	0	0.00723	NaN	ITGA11
RHOA Signaling	0	0.0161	NaN	MYL6,MYLK2
Role of Osteoblasts, Osteoclasts and Chondrocytes in Rheumatoid Arthritis	0	0.0223	NaN	CALCR,IL1RL2,SFRP1,SMAD6,WNT9B
Altered T Cell and B Cell Signaling in Rheumatoid Arthritis	0	0.0122	NaN	CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	0	0.0246	NaN	CXCL12,FCGR1A,IL17RC,IL1RL2,PLCB4,SELE,SFRP1,WNT9B
Regulation of eIF4 and p70S6K Signaling	0	0.0112	NaN	ITGA11,RPS24
Estrogen-Dependent Breast Cancer Signaling	0	0.0253	NaN	EGFR,HSD17B2
Leptin Signaling in Obesity	0	0.027	NaN	ADCY2,PLCB4
Glioma Immune Signaling	0	0.0411	NaN	MMP2,RHOJ,TIMP3
B Cell Development	0	0.0233	NaN	CD80
IL-1 Signaling	0	0.0106	NaN	ADCY2
Role of WNT/GSK-3β Signaling in the Pathogenesis of Influenza	0	0.0129	NaN	WNT9B
NURF7 Signaling in T Lymphocytes	0	0.0117	NaN	CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
PKCδ Signaling in T Lymphocytes	0	0.0143	NaN	CACNA1B,CACNG5,CD80,FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Role of Lipid/Lipid Rafts in the Pathogenesis of Influenza	0	0.0435	NaN	RSAD2
Antiproliferative Role of TOB in T Cell Signaling	0	0.0117	NaN	FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
OX40 Signaling Pathway	0	0.0104	NaN	FCER1G,TRAV1-2,TRAV10,TRAV22,TRAV8-2
PI3K Signaling in B Lymphocytes	0	0.014	NaN	PLCB4,PLEKHA4
Inhibition of Angiogenesis by TSP1	0	0.0294	NaN	KDR
P2Y Purinergic Receptor Signaling Pathway	0	0.0155	NaN	ADCY2,PLCB4
Cytos and Cell Cycle Regulation	0	0.0238	NaN	CCNB3,MYT1
Role of Tissue Factor in Cancer	0	0.0431	NaN	EGFR,F10,F3,F7,FGA
Spliceosomal Cycle	0	0.0204	NaN	SFRB6
IL-17A Signaling in Airway Cells	0	0.0149	NaN	IL17RC
Role of IL-17A in Arthritis	0	0.0175	NaN	IL17RC
IL-17A Signaling in Fibroblasts	0	0.0253	NaN	IL17RC
Role of IL-17E in Allergic Inflammatory Airway Diseases	0	0.0444	NaN	CXCL10,IL17RC
Differential Regulation of Cytokine Production in Intestinal Epithelial Cells by IL-17A and IL-17F	0	0.0435	NaN	IL3
Role of JAK1 and JAK3 in γC Cytokine Signaling	0	0.0145	NaN	IL3R
Actin Nucleation by ARP-WASP Complex	0	0.0215	NaN	ITGA11,RHOJ
NGF Signaling	0	0.00847	NaN	SHC3
Paxillin Signaling	0	0.0278	NaN	ACTN2,ITGA11,PARVA
Sertoli Cell-Sertoli Cell Junction Signaling	0	0.0437	NaN	ACTN2,CLDN10,CLDN19,CLDN,IGFBP,ITGA11,JUP,NOS1,PRKG1
Gap Junction Signaling	0	0.0404	NaN	ADCY2,EGFR,GUCY1,GRK3,GUCY2C,GUCY2F,PLCB4,PRKG1
Telomerase Signaling	0	0.00935	NaN	EGFR
Mouse Embryonic Stem Cell Pluripotency	0	0.00962	NaN	LIFR
Hematopoiesis from Pluripotent Stem Cells	0	0.0159	NaN	FCER1G,IGHA1,IL3,TRAV1-2,TRAV10,TRAV22,TRAV8-2
Ephrin A Signaling	0	0.0213	NaN	EPHA2
Ephrin B Signaling	0	0.0139	NaN	CXCL12
ERBB Signaling	0	0.0106	NaN	EGFR
ERBB2-ERBB3 Signaling	0	0.0154	NaN	ETV4
Estrogen-mediated S-phase Entry	0	0.0385	NaN	ESR2
Heparan Sulfate Biosynthesis	0	0.0385	NaN	CHST3,PLA1A,SUL1T2
Retinoate Biosynthesis I	0	0.0278	NaN	ALDH1A3
Heparan Sulfate Biosynthesis (Late Stages)	0	0.0423	NaN	CHST3,PLA1A,SUL1T2

GDP-diacylglycerol Biosynthesis I	0	0.0455	NaN	CDS1
RNA Splicing	0	0.0455	NaN	PDE11A,PDE6A
D-myo-inositol-5-phosphate Metabolism	0	0.0208	NaN	DUSP9,G6PC1,PLCB4,TPTE2
Pyridoxal 5'-phosphate Salvage Pathway	0	0.0303	NaN	EIF2AK2,G6PC1
D-myo-inositol (1,4,5)-trisphosphate Biosynthesis	0	0.0385	NaN	PLCB4
Chondroitin Sulfate Biosynthesis	0	0.0354	NaN	CHST3,SULT1C2
Dermatan Sulfate Biosynthesis	0	0.0345	NaN	CHST3,SULT1C2
Dermatan Sulfate Biosynthesis (Late Stages)	0	0.0444	NaN	CHST3,SULT1C2
Phosphatidylglycerol Biosynthesis II (Non-plastidic)	0	0.0417	NaN	CDS1
D-myo-inositol (1,4,5)-trisphosphate Biosynthesis	0	0.0171	NaN	DUSP9,G6PC1,TPTE2
Superpathway of Inositol Phosphate Compounds	0	0.0172	NaN	DUSP9,G6PC1,PLCB4,TPTE2
D-myo-inositol (3,4,5,6)-tetrakisphosphate Biosynthesis	0	0.0171	NaN	DUSP9,G6PC1,TPTE2
3-phosphoinositolate Degradation	0	0.0116	NaN	DUSP9,G6PC1,TPTE2
3-phosphoinositolate Biosynthesis	0	0.0149	NaN	DUSP9,G6PC1,TPTE2
Tricacylglycerol Biosynthesis	0	0.0426	NaN	LPIN3,PLPP2
Glycolysis I	0	0.04	NaN	ENO4
Gluconeogenesis I	0	0.04	NaN	ENO4
Chondroitin Sulfate Biosynthesis (Late Stages)	0	0.0426	NaN	CHST3,SULT1C2
Fatty Acid β -oxidation I	0	0.0294	NaN	ACSBG2
Epithelial Adherens Junction Signaling	0	0.0191	NaN	EGFR,MYH2,WWC1
Remodeling of Epithelial Adherens Junctions	0	0.0147	NaN	ACTN2
Regulation of the Epithelial-Mesenchymal Transition Pathway	0	0.0256	NaN	EGFR,FGFR3,HMGA2,MMP2,WNT9B
TEC Kinase Signaling	0	0.0121	NaN	FCER1,ITGA11,RHOJ,TRAV1-2,TRAV10,TRAV22,TRAV8-2
UVB-Induced MAPK Signaling	0	0.0408	NaN	EGFR,PARP14,PARP9,PLCB4
UVB-Induced MAPK Signaling	0	0.0162	NaN	EGFR
UVC-Induced MAPK Signaling	0	0.0196	NaN	EGFR
Adipogenesis pathway	0	0.00741	NaN	SOX9
HIPPO signaling	0	0.0353	NaN	CRB1,TEAD1,WWC1
PCP (Planar Cell Polarity) Pathway	0	0.0333	NaN	LGR4,WNT9B
Unfolded protein response	0	0.0111	NaN	DNAJB13
WNT/Ca ²⁺ pathway	0	0.0312	NaN	PDE6A,PLCB4
Toll-like Receptor Signaling	0	0.0128	NaN	EIF2AK2
EGF Signaling	0	0.0182	NaN	EGFR
SAPK/JNK Signaling	0	0.0162	NaN	FCER1,MAPK8IP1,TRAV1-2,TRAV10,TRAV22,TRAV8-2
PI3K/AKT Signaling	0	0.0352	NaN	IL1TRC,IL1TRD,IL1TRF,IL1RL2,IL1RL1,ITGA11,MAPK8IP1
Cardiac β -adrenergic Signaling	0	0.0287	NaN	ADCY2,CACNA1B,CACNG5,PDE11A,PDE6A
Protein Ubiquitination Pathway	0	0.0218	NaN	DNAJB13,DNAJC28,HSP61,PSMA4,UBE2L6,USP18
Amyloid Processing	0	0.0392	NaN	CAPN11,CAPN8
EGF Signaling	0	0.0119	NaN	FGFR
Cell Cycle: G2/M DNA Damage Checkpoint Regulation	0	0.02	NaN	CDC20
Xenobiotic Metabolism Signaling	0	0.0382	NaN	AHR,ALDH1A3,ALDH3A1,CE55A,CHST3,CYP1A1,GSTA2,GSTA3,GSTM5,SULT1C2,UGT1A9 (includes others)
B Cell Receptor Signaling	0	0.00319	NaN	BCL2A1,IGHA1
Inauth Receptor Signaling	0	0.00714	NaN	SCN10A
Chemokine Signaling	0	0.025	NaN	CXCL12,PLCB4
Neurotrophin/TRK Signaling	0	0.0263	NaN	NTRK2,NTRK3
Death Receptor Signaling	0	0.0208	NaN	PARP14,PARP9
BPAP Signaling	0	0.028	NaN	IL1RL2,IRF1,PDGFRA
IGF-1 Signaling	0	0.0192	NaN	IGFBP1,IGFBP5
Dopamine Receptor Signaling	0	0.026	NaN	ADCY2,NCS1
Glutamate Receptor Signaling	0	0.0303	NaN	GRIK3,GRM6
TGF β Signaling	0	0.0417	NaN	AMHR2,IRF4,HOXC9,SMAD5
Apoptosis Signaling	0	0.0288	NaN	BCL2A1,CAPN11,CAPN8
VEGF Signaling	0	0.0202	NaN	ACTN2,KDR
Hypoxia Signaling in the Cardiovascular System	0	0.0135	NaN	UBE2L6
IL-6 Signaling	0	0.0156	NaN	IL1RL2,INFA1B
PDGF Signaling	0	0.0233	NaN	EIF2AK2,PDGFRA
BMP signaling pathway	0	0.046	NaN	FST,GREM1,HOXC9,SMAD6
Phagosome Maturation	0	0.0314	NaN	GTSY,DYNG11,NGS1,SNAP25,TPO
Autophagy	0	0.00469	NaN	ATG10
PD-1, PD-L1 cancer immunotherapy pathway	0	0.00943	NaN	CDS8
Sumoylation Pathway	0	0.00971	NaN	RHOJ
Th1 and Th2 Activation Pathway	0	0.0116	NaN	CDS8,IL3
Th1 Pathway	0	0.0082	NaN	CDS8
Th2 Pathway	0	0.0146	NaN	CDS8,IL3
Iron homeostasis signaling pathway	0	0.036	NaN	EGFR,HBG2,HP,HPX,PDGFRA
Th17 Activation Pathway	0	0.0124	NaN	FCER1G,IL23R,TRAV1-2,TRAV10,TRAV22,TRAV8-2
SPINK1 General Cancer Pathway	0	0.029	NaN	EGFR,MT2A
Endocannabinoid Develops Neuron Pathway	0	0.00813	NaN	ADCY2
Apelin Liver Signaling Pathway	0	0.0385	NaN	COL1A2
Apelin Adipocyte Signaling Pathway	0	0.0116	NaN	ADCY2
Apelin Cardiomycocyte Signaling Pathway	0	0.0303	NaN	MTL6,PLCB4,SLC9A5
Apelin Endothelial Signaling Pathway	0	0.0144	NaN	ADCY2,PLCB4
BAG2 Signaling Pathway	0	0.0238	NaN	CHRNA7,PSMA4
FAT10 Signaling Pathway	0	0.0179	NaN	PSMA4
T Cell Exhaustion Signaling Pathway	0	0.0124	NaN	CDS8,FCER1G,KDR,TRAV1-2,TRAV10,TRAV22,TRAV8-2
IL-23 Signaling Pathway	0	0.0217	NaN	IL23R
Inhibition of ARE-Mediated mRNA Degradation Pathway	0	0.00521	NaN	PSMA4
BEX2 Signaling Pathway	0	0.037	NaN	BEX1,MMP2,NHLH2
Semaphorin Neuronal Repulsive Signaling Pathway	0	0.0265	NaN	DIPYSL5,ITGA11,MYL6,PRKG1
Regulation Of The Epithelial Mesenchymal Transition In Development Pathway	0	0.0115	NaN	WNT9B
Kinetochore Metaphase Signaling Pathway	0	0.0381	NaN	CENPW,DNAH10,DNAH3,SMC1B
Coronavirus Replication Pathway	0	0.0444	NaN	IFITM3,TMPRSS2
MSP-RON Signaling In Macrophages Pathway	0	0.0256	NaN	F11,KLK10,KLK2
GM-CSF Signaling	0	0.0143	NaN	BCL2A1
Ephrin Receptor Signaling	0	0.0149	NaN	CXCL12,EPHA2,ITGA11

Cell Cycle Control of Chromosomal Replication	0	0.0178	NaN	CCG45
Assembly of RNA Polymerase II Complex	0	0.04	NaN	TAFL1, TAFL
Role of Tissue Factor in Cancer	0	0.103	NaN	CCN1, EGFR, F10, F3, FGA, FGF9, FRK, MAPK12, MMP13, PIK3CG, RASD2, RPS8KA6
Role of IL-17A in Arthritis	0	0.109	NaN	CCCL1, IL17RC, MAPK12, MMP13, NOS2, PIK3CG
IL-17A Signaling in Fibrosis	0	0.0789	NaN	CCCL1, IL17RC, MAPK12
Role of IL-17F in Allergic Inflammatory Airway Diseases	0	0.111	NaN	CCCL7, IGFB1, IL17RC, MMP13, RPS8KA6
Role of JAK2 in Hemone-like Cytokine Signaling	0	0.0294	NaN	EPD
Role of JAK family kinases in IL-6-type Cytokine Signaling	0	0.04	NaN	MAPK12
Role of JAK1 and JAK3 in γ Cytokine Signaling	0	0.029	NaN	PIK3CG, RASD2
Actin Nucleation by ARP-WASP Complex	0	0.0988	NaN	ITGA11, ITGA7, ITGA8, ITGA9, ITGB6, RASD2, RHGJ, RHQV, RND3
Thrombosis Signaling	0	0.028	NaN	EGFR, PIK3CG, RASD2
Embryonic Stem Cell Differentiation into Cardiac Lineages	0	0.1	NaN	NANO3
Hematopoiesis from Pluripotent Stem Cells	0	0.0113	NaN	LEPO, IL10, IL3, LIF, TRB1-4
Transcriptional Regulatory Network in Embryonic Stem Cells	0	0.115	NaN	SEK2, PRK11, HFE4A, NANO3, PAX6, RFX4
JMS Signaling	0	0.0638	NaN	LBP, MAPK12, NOS2
Ephm A Signaling	0	0.0638	NaN	EPHA10, EPHA8, PIK3CG
Estrogen-mediated S-phase Entry	0	0.0769	NaN	EP7, EP8
Fatty Acid Activation	0	0.0714	NaN	ACSBG2
Sphingosine and Sphingosine-1-phosphate Metabolism	0	0.111	NaN	ASAH2
NAD biosynthesis II (from tryptophan)	0	0.0633	NaN	HMNAT2
Prostanoid Biosynthesis	0	0.1	NaN	PTGIS
Isoleucine Degradation I	0	0.0588	NaN	SDS
Androgen Biosynthesis	0	0.0506	NaN	HSD17B
Glutathione Redox Reactions I	0	0.08	NaN	GPX6, GPX8
CDP-diacylglycerol Biosynthesis I	0	0.0909	NaN	GPAT2, PNP3A3
Acid-Glyc Hydrolysis	0	0.0769	NaN	HNFA4
Ketogenesis	0	0.0909	NaN	HMGS2
Sucrose Degradation V (Mammals)	0	0.111	NaN	ALDOB
Vitamins Biosynthesis II (Animals)	0	0.0506	NaN	ACSBG2
NAD Salvage Pathway II	0	0.111	NaN	ACR4, HMNAT2, NTS1A
Il-myo inositol (1,4,5)trisphosphate Biosynthesis	0	0.119	NaN	PLCB1, PLCG1, PLCH1
Cleare Biosynthesis II (Animals)	0	0.0769	NaN	PTPR
Glutathione-mediated Detoxification	0	0.0312	NaN	GSTA3
NAD Phosphorylation and Dephosphorylation	0	0.0769	NaN	ACR4
Phosphatidylcholine Biosynthesis II (Non-cholesterol)	0	0.0833	NaN	GPAT2, PNP3A3
Mevlonate Pathway I	0	0.0714	NaN	HMGS2
Valine Degradation I	0	0.09	NaN	SDS
Mitochondrial L-carnitine Shuttle Pathway	0	0.0588	NaN	ACSBG2
Oxidative Ethanol Degradation III	0	0.109	NaN	ALDH1A3, ALDH1A1, ALDH1A1, CYP2B6, CYP2E1, CYP2F1
Fatty Acid β -oxidation I	0	0.0588	NaN	ACSBG2, SDS
Methionine Degradation I (to Homocysteine)	0	0.0453	NaN	PRMT8
Supperpathway of Geranylgeranylphosphate Biosynthesis I (via Mevalonate)	0	0.0506	NaN	HMGS2
Supperpathway of Cholesterol Biosynthesis	0	0.0345	NaN	HMGS2
DNA damage-induced 14-3-3 σ Signaling	0	0.0506	NaN	CCNB1
Remodeling of Epithelial Adhesion Junctions	0	0.118	NaN	ACT1, ACTG2, ACTN2, MET, TUBA3E, TUBA8, TUBB3, TUBB8
Cysteine Biosynthesis II (mammals)	0	0.0833	NaN	CTH, PRMT8
Role of p145 ^{MAPK} in Tumor Suppression	0	0.0345	NaN	PIK3CG
LVB-induced MAPK Signaling	0	0.0577	NaN	EGFR, MAPK12, PIK3CG
LVC-induced MAPK Signaling	0	0.0588	NaN	EGFR, MAPK12, RASD2
Adipogenesis pathway	0	0.0889	NaN	BMP7, BMP10, CCR4, FGF1, FGF2, FGFRA, FZD4, LPL, NFATC4, PLIN1, RBP1, ZNF423
Unfolded protein response	0	0.0222	NaN	DNAJB13, DNAJC5
Proteasome Signaling	0	0.0625	NaN	MAPK12
EGF Signaling	0	0.0549	NaN	EGFR, MAPK12, PIK3CG
Cell Cycle- G1/S Checkpoint Regulation	0	0.0294	NaN	EP7, EP8
SAPK/JNK Signaling	0	0.012	NaN	DUSP4, GNG4, MAPK12, PIK3CG, RASD2, TRB1-4
PI3K/AKT Signaling	0	0.0104	NaN	IL13RA3, IL17RC, IL17RD, IL17RE, IL17E, IL22RA1, IL22RA2, ITGA11, ITGA7, ITGA8, ITGA9, ITGB6, NANO3, RASD2
Protein Ubiquitination Pathway	0	0.0345	NaN	CRYAB, DNAJB1, DNAJC22, DNAJC26, HSP97, HSP98, HSP99, HSP1, ODF1, UBE2U, USP23, USP29, USP41, USP43, USP6
IL-2 Signaling	0	0.0328	NaN	PIK3CG, RASD2
JAK-STAT Signaling	0	0.0244	NaN	PIK3CG, RASD2
Cell Cycle- G2/M DNA Damage Checkpoint Regulation	0	0.03	NaN	CCNB1
Xenobiotic Metabolism Signaling	0	0.172	NaN	AHR, ALDH1A3, ALDH1L1, ALDH1L2, ALDH1A1, ALDH7A1, CES3, CESSA, CHST1, CHS1, CHS2, CYP1A1, CYP1A2, CYP2B6, CYP3A4, CYP3A5, FM03, GSTA3, HS3ST2, HS3ST3A1, H
IL-4 Signaling	0	0.0323	NaN	NFATC3, PIK3CG, RASD2
Neurotrophin/Trk Signaling	0	0.105	NaN	KLK3, NTF3, NTRK1, NTRK2, NTRK3, PIK3CG, RASD2, SORCS1
Sonic Hedgehog Signaling	0	0.103	NaN	DLX3, GLI1, PTC4
Death Receptor Signaling	0	0.0312	NaN	ACT1, ACTG2, HSP97
IGF-1 Signaling	0	0.0577	NaN	CCN1, IGFB1, IGFBP1, IGFBP5, PIK3CG, RASD2
Notch Signaling	0	0.0283	NaN	NOTCH3
Hypoxia Signaling in the Cardiovascular System	0	0.0409	NaN	EPN1, EPO, UBE2U
PDGF Signaling	0	0.0349	NaN	PDGFRA, PIK3CG, RASD2
Phagosome Maturation	0	0.0943	NaN	ATP10A4, ATP10V02, ATP10V1, CTSSV, DYNC111, LPO, NCS1, NOX1, SNAP29, TPO, TUBA3E, TUBA4B, TUBA8, TUBB3, TUBB8
Microautophagy Signaling	0	0.0506	NaN	ITSR6, MET, PIK3CG, RASD2
PD-1, PD-L1 cancer immunotherapy pathway	0	0.06943	NaN	PIK3CG
Cancer Drug Resistance By Drug Efflux	0	0.0172	NaN	RASD2
Th1 and Th2 Activation Pathway	0	0.0485	NaN	IL10, IL3, IL31, IL33, NFATC4, NOTCH3, PIK3CG
Th1 Pathway	0	0.0328	NaN	IL10, NFATC4, NOTCH3, PIK3CG
IL-7 Signaling Pathway	0	0.0385	NaN	MAPK12, MET, PIK3CG
Iron homeostasis signaling pathway	0	0.108	NaN	ATP10A4, ATP10V02, ATP10V1, BMP10, BMP7, BMP8A, BMPR1B, EGFR, EPO, HAMP, HBA1, HBA2, HFE3A, HJV, PDGFRA, TF
NER (Nucleotide Excision Repair, Enhanced Pathway)	0	0.00971	NaN	POLE2
Apoptin Muscle Signaling Pathway	0	0.0833	NaN	APLN, GNG4, PPPARG1A, PRKAA2
BM2 Signaling Pathway	0	0.0238	NaN	CHRNA1, MAPT
FAT10 Cancer Signaling Pathway	0	0.02	NaN	H0XB9
IL-23 Signaling Pathway	0	0.0652	NaN	IL22, IL23R, PIK3CG
Inhibition of ARF-mediated mRNA Degradation Pathway	0	0.0124	NaN	MAPK12, PAK1B
Kinetochores Metaphase Signaling Pathway	0	0.0478	NaN	DNAH10, DNAH3, KIF2C, NEK2, SMC1B
GM-CSF Signaling	0	0.0571	NaN	BCL2A1, PIK3CG, PPP3R2, RASD2

Supplemental Table 12. SJD Subphenotype unique pathways of interest identified by cross comparing the SJD-Ro+ and SJD-Ro- pathway analyses

Unique GSEA Pathways		Unique IPA Pathways	
SJD-Ro+	SJD-Ro-	SJD-Ro+	SJD-Ro-
ABC TRANSPORTER DISORDERS	ABC FAMILY PROTEINS MEDIATED TRANSPORT	4-hydroxybenzoate Biosynthesis	Actin Cytoskeleton Signaling
ACTIVATED TAK1 MEDIATES P38 MAPK ACTIVATION	ACTIVATION OF GENE EXPRESSION BY SREBF SREBP	4-hydroxyphenylpyruvate Biosynthesis	Airway Pathology in Chronic Obstructive Pulmonary Disease
ACTIVATION OF B3 ONLY PROTEINS	ANTIGEN ACTIVATES B CELL RECEPTOR BCR LEADING TO GENERATION OF SECOND MESSENGERS	Catalin Degradation	Amotrophic Lateral Sclerosis Signaling
ADAPTIVE IMMUNE SYSTEM	CALNEXIN CALRETICULIN CYCLE	Eicosanoid Signaling	Apolin Liver Signaling Pathway
ANTIGEN PROCESSING UBIQUITINATION PROTEASOME DEGRADATION	CELLULAR RESPONSE TO HEAT STRESS	Extrinsic Prothrombin Activation Pathway	Axonal Guidance Signaling
CLASS I MHC MEDIATED ANTIGEN PROCESSING PRESENTATION	CHROMATIN MODIFYING ENZYMES	Glucocorticoid Receptor Signaling	Bladder Cancer Signaling
COPII MEDIATED VESICLE TRANSPORT	COSTIMULATION BY THE CD28 FAMILY	Hepatic Fibrosis / Hepatic Stellate Cell Activation	Breast Cancer Regulation by Stathmin1
CYCLIN D ASSOCIATED EVENTS IN G1	CYTOSOLIC TRNA AMINOACYLATION	Histidine Degradation VI	Calcium Signaling
CYTOKINE SIGNALING IN IMMUNE SYSTEM	DEADENYLATION DEPENDENT MRNA DECA	Interferon Signaling	cAMP-mediated signaling
DAP12 INTERACTIONS	DEADENYLATION OF MRNA	MIF-mediated Glucocorticoid Regulation	Cardiac Hypertrophy Signaling (Enhanced)
DDX58 IFI1 MEDIATED INDUCTION OF INTERFERON ALPHA BETA	DNA DAMAGE RECOGNITION IN GG NER	Role of Hypercytokinemia/hyperchemokinema in the Pathogenesis of Influenza	Citrulline-Nitric Oxide Cycle
DNA REPLICATION	DNA REPAIR	Role of MAPK Signaling in Inhibiting the Pathogenesis of Influenza	Corticotropin Releasing Hormone Signaling
FORMATION OF INCISION COMPLEX IN GG NER	E3 UBIQUITIN LIGASES UBIQUITINATE TARGET PROTEINS	Role of MAPK Signaling in the Pathogenesis of Influenza	Dermatan Sulfate Biosynthesis (Late Stages)
GENERATION OF SECOND MESSENGER MOLECULES	EPIGENETIC REGULATION OF GENE EXPRESSION		Endocannabinoid Neuronal Synapse Pathway
GLY1 ASSOCIATED VESICLE BIOGENESIS	ESTROGEN DEPENDENT GENE EXPRESSION		eNOS Signaling
HEDGEHOG OFF STATE	EXPORT OF VIRAL RIBONUCLEOPROTEINS FROM NUCLEUS		Estrogen Biosynthesis
HEDGEHOG ON STATE	EXTENSION OF TELOMERES		FGF Signaling
IKK COMPLEX RECRUITMENT MEDIATED BY RIP1	GLYCOLYSIS		FXR/RXR Activation
INACTIVATION OF CSF3/G CSF SIGNALING	INFLUENZA INFECTION		G-Protein Coupled Receptor Signaling
INTERFERON ALPHA BETA SIGNALING	INTERACTIONS OF REV WITH HOST CELLULAR PROTEINS		Gap Junction Signaling
INTERFERON GAMMA SIGNALING	INTERACTIONS OF VPR WITH HOST CELLULAR PROTEINS		Glutamate Receptor Signaling
INTERFERON SIGNALING	IRE1ALPHA ACTIVATES CHAPERONES		Glycine Betaine Degradation
INTERLEUKIN 1 FAMILY SIGNALING	METABOLISM OF RNA		GPCR-Mediated Nutrient Sensing in Enteroendocrine Cells
INTRINSIC PATHWAY FOR APOPTOSIS	MICRORNA/MIRNA BIOGENESIS		Granulocyte Adhesion and Diapedesis
MYD88 INDEPENDENT TLR4 CASCADE	MITOTIC PROPHASE		Hepatic Fibrosis / Hepatic Stellate Cell Activation
NEGATIVE REGULATORS OF DDX58 IFI1 SIGNALING	N GLYCAN TRIMMING IN THE ER AND CALNEXIN CALRETICULIN CYCLE		Histidine Degradation VI
NOD1 2 SIGNALING PATHWAY	NOTCH1 INTRACELLULAR DOMAIN REGULATES TRANSCRIPTION		LPS/IL-1 Mediated Inhibition of RXR Function
NUCLEOTIDE BINDING DOMAIN LEUCINE RICH REPEAT CONTAINING RECEPTOR NLR SIGNALING PATHWAYS	NS1 MEDIATED EFFECTS ON HOST PATHWAYS		LXR/RXR Activation
PURINERGIC SIGNALING IN LEISHMANIASIS INFECTION	NUCLEAR ENVELOPE BREAKDOWN		Maturity Onset Diabetes of Young (MODY) Signaling
PYROPTOSIS	NUCLEAR IMPORT OF REV PROTEIN		Melatonin Degradation I
RAB GEF5 EXCHANGE GTP FOR GDP ON RABS	NUCLEAR PORE COMPLEX NPC DISASSEMBLY		MSP-RON Signaling Pathway
REGULATED NECROSIS	POP CE PATHWAY		Nerin Signaling
REGULATION OF TP53 ACTIVITY THROUGH PHOSPHORYLATION	PD-1 SIGNALING		nNOS Signaling in Skeletal Muscle Cells
RETROGRADE TRANSPORT AT THE TRANS GOLGI NETWORK	RAB REGULATION OF TRAFFICKING		Osteoarthritis Pathway
RHO GTPASES ACTIVATE ROCKS	RECRUITMENT OF MITOTIC CENTROSOME PROTEINS AND COMPLEXES		Phototransduction Pathway
SIGNALING BY CSF3/G CSF	REGULATION OF CHOLESTEROL BIOSYNTHESIS BY SREBP SREBP		Proline Degradation
SIGNALING BY FLT3 FUSION PROTEINS	REGULATION OF GLUCOKINASE BY GLUCOKINASE REGULATORY PROTEIN		Protein Citrullination
TAK1 ACTIVATES NFKB BY PHOSPHORYLATION AND ACTIVATION OF IKKS COMPLEX	REGULATION OF HSF1 MEDIATED HEAT SHOCK RESPONSE		PXR/RXR Activation
TERMINATION OF TRANSLATION DNA SYNTHESIS	REGULATION OF PLK1 ACTIVITY AT G2 M TRANSITION		Regulation of Cellular Mechanics by Calpain Protease
TOLL LIKE RECEPTOR 9 TLR9 CASCADE	REGULATION OF TP53 EXPRESSION AND DEGRADATION		Retinol Biosynthesis
TP53 REGULATES TRANSCRIPTION OF DNA REPAIR GENES	RESPIRATORY ELECTRON TRANSPORT		RHOGDI Signaling
TRAF6 MEDIATED NF KB ACTIVATION	RESPIRATORY ELECTRON TRANSPORT ATP SYNTHESIS BY CHEMOSMOTIC COUPLING AND HEAT PRODUCTION BY UNCOUPLING PROTEINS		Serotonin and Melatonin Biosynthesis
TRANS GOLGI NETWORK VESICLE BUDDING	RUNX1 INTERACTS WITH CO FACTORS WHOSE PRECISE EFFECT ON RUNX1 TARGETS IS NOT KNOWN		Serotonin Receptor Signaling
TRANSCRIPTIONAL REGULATION BY RUNX2	RUNX1 REGULATES TRANSCRIPTION OF GENES INVOLVED IN DIFFERENTIATION OF HSCS		SPINK1 Pancreatic Cancer Pathway
TRANSLATION SYNTHESIS BY Y FAMILY DNA POLYMERASES BYPASSES LESIONS ON DNA TEMPLATE	SCF SKP2 MEDIATED DEGRADATION OF P27 P21		Superpathway of Melatonin Degradation
	SIGNALING BY NOTCH		Synaptogenesis Signaling Pathway
	SNRP ASSEMBLY		Tumor Microenvironment Pathway
	SUMOYLATION OF CHROMATIN ORGANIZATION PROTEINS		Urea Cycle
	SUMOYLATION OF DNA REPLICATION PROTEINS		White Adipose Tissue Browning Pathway
	SUMOYLATION OF SUMOYLATION PROTEINS		
	SUMOYLATION OF TRANSCRIPTION COFACTORS		
	SUMOYLATION OF UBIQUITINYLATION PROTEINS		
	TELOMERE C STRAND LAGGING STRAND SYNTHESIS		
	THE CITRIC ACID TCA CYCLE AND RESPIRATORY ELECTRON TRANSPORT		
	TP53 REGULATES METABOLIC GENES		
	TRANSCRIPTIONAL REGULATION BY RUNX1		
	TRANSCRIPTIONAL REGULATION BY SMALL RNAS		
	TRANSCRIPTIONAL REGULATION BY VENTX		
	TRANSPORT OF THE SLBP DEPENDANT MATURE MRNA		
	TRNA AMINOACYLATION		
	TRNA PROCESSING		
	TRNA PROCESSING IN THE NUCLEUS		

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as PRR10D1P5, ADIC7, HZC7, and many others, each with associated genomic data and values.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript ID, and various numerical values. The table lists numerous genes such as DUSP6, SLC12A1, and others, along with their genomic locations and associated data points.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as RPL39P, RPL39, RPL39B, etc., with their corresponding genomic data.

ENSG000002666	17	40340867	4043136	RARA-AS1	hasava	lncRNA	protein coding	0.4784902	1.22e-05	0.4541389	9.24e-04	0.2078161	2.98e-01	0.3722708	5.58e-02	0.4832021	2.35e-04	0.0439004	8.43e-01	0.1110649	3.64e-01	
ENSG000004884	20	15921924	1592922	CNN2	ensembl	mRNA	protein coding	0.2834003	3.52e-06	0.2935991	6.44e-05	0.2509129	7.94e-01	0.3712480	5.59e-02	0.3706100	5.28e-01	0.0211468	9.22e-01	0.0204313	5.88e-01	
ENSG000002529	18	13140917	13140917	CTD11P4	ensembl	mRNA	protein coding	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	
ENSG000002374	4	11584193	11584190	ENPP2	ensembl	mRNA	protein coding	0.2834003	3.52e-06	0.2935991	6.44e-05	0.2509129	7.94e-01	0.3712480	5.59e-02	0.3706100	5.28e-01	0.0211468	9.22e-01	0.0204313	5.88e-01	
ENSG000001757	12	20203837	20208883	PCNA	ensembl	mRNA	protein coding	0.1521733	1.87e-01	0.1514996	1.87e-01	0.1517789	4.22e-01	0.1720676	5.62e-01	0.1147709	4.09e-01	0.0903131	6.83e-01	0.1539779	3.48e-01	
ENSG000001794	16	781177	7793145	CTD11P4	ensembl	mRNA	protein coding	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	0.0441397	1.01e-04	
ENSG0000042736	1	16034316	16035892	NKX1	ensembl	mRNA	protein coding	0.2083373	6.90e-02	0.2302248	1.08e-01	0.2179561	6.10e-01	0.3484849	5.06e-01	0.0847028	6.03e-01	0.1550826	2.48e-01	0.0550826	6.98e-01	
ENSG0000009950	6	12424867	12425138	STX7	ensembl	mRNA	protein coding	0.3499922	1.81e-08	0.3606096	1.01e-08	0.1081443	5.89e-01	0.3717566	5.62e-01	0.3871744	8.32e-01	0.0550826	6.98e-01	0.0550826	6.98e-01	
ENSG0000015949	15	10265866	10266240	IGFBP3	ensembl	mRNA	protein coding	0.2834003	3.52e-06	0.2935991	6.44e-05	0.2509129	7.94e-01	0.3712480	5.59e-02	0.3706100	5.28e-01	0.0211468	9.22e-01	0.0204313	5.88e-01	
ENSG0000002996	5	14981170	14982139	RNF13	ensembl	mRNA	protein coding	0.3709139	6.91e-08	0.3744434	1.24e-07	0.184944	3.56e-01	0.3719576	5.93e-01	0.3387573	1.24e-01	0.0550826	6.98e-01	0.0550826	6.98e-01	
ENSG0000014237	5	10379785	10379792	CMBL	ensembl	mRNA	protein coding	0.1056883	3.59e-01	0.3399719	1.59e-01	0.1139969	4.43e-01	0.3715888	5.64e-01	0.0710743	6.10e-01	0.21395	3.27e-01	0.1667817	4.47e-01	
ENSG0000015642	18	11344888	11349646	IGFBP3	ensembl	mRNA	protein coding	0.2834003	3.52e-06	0.2935991	6.44e-05	0.2509129	7.94e-01	0.3712480	5.59e-02	0.3706100	5.28e-01	0.0211468	9.22e-01	0.0204313	5.88e-01	
ENSG0000020312	27	4725986	4761007	ZF83B1	ensembl	mRNA	TEC	YES	0.0694904	5.94e-01	0.1934413	0.65e-01	0.133996	5.97e-01	0.3715888	5.64e-01	0.0710743	6.10e-01	0.21395	3.27e-01	0.1667817	4.47e-01
ENSG0000018026	3	39107704	39138903	ITIH2A	ensembl	mRNA	protein coding	0.0438126	6.39e-01	0.0468938	5.99e-01	0.0550821	2.90e-01	0.3718989	5.66e-01	0.4136284	1.88e-01	0.1316618	2.79e-01	0.3635977	9.45e-01	
ENSG0000012915	14	3456299	3460160	SNMG	ensembl	mRNA	protein coding	0.4348113	7.13e-08	0.4391205	4.56e-08	0.2157426	2.80e-01	0.3718989	5.66e-01	0.4894749	1.27e-01	0.1881564	3.60e-01	0.2077978	1.48e-01	
ENSG0000010938	18	2691422	2693942	GMPY2	ensembl	mRNA	protein coding	0.3694808	1.20e-01	0.3289541	1.09e-01	0.2424007	2.21e-01	0.4888428	5.67e-01	0.4888428	5.67e-01	0.4888428	5.67e-01	0.4888428	5.67e-01	
ENSG0000021630	6	2713858	2713981	H4C9	ensembl	mRNA	protein coding	0.0970086	4.01e-01	0.1395256	3.32e-01	0.0528127	7.94e-01	0.3712472	5.67e-01	0.1702009	2.18e-01	0.176703	4.12e-01	0.1099112	4.47e-01	
ENSG0000017174	3	12912149	12912403	AC10397.2	ensembl	lncRNA	transcribed unprec	0.2114955	2.40e-01	0.2023768	4.09e-01	0.1411211	4.61e-01	0.1709015	5.68e-01	0.2829347	9.81e-01	0.126263	5.80e-01	0.1142763	3.53e-01	
ENSG0000011774	15	6451173	6451261	SNK2	ensembl	mRNA	protein coding	0.0926811	3.02e-01	0.1161211	2.50e-01	0.0424002	2.93e-01	0.1708443	5.69e-01	0.1708443	5.69e-01	0.1094131	4.40e-01	0.1154011	2.94e-01	
ENSG0000020964	15	6754102	6754260	AC04635.1	ensembl	lncRNA	transcribed unprec	0.0926811	3.02e-01	0.1161211	2.50e-01	0.0424002	2.93e-01	0.1708443	5.69e-01	0.1708443	5.69e-01	0.1094131	4.40e-01	0.1154011	2.94e-01	
ENSG0000011799	6	6838108	6834983	LY86	ensembl	mRNA	protein coding	0.4294462	5.11e-08	0.4271649	2.11e-08	0.4831239	1.06e-01	0.3706187	5.70e-01	0.3559958	8.07e-01	0.2077946	2.11e-01	0.3684998	9.38e-01	
ENSG0000015498	10	3851381	3856176	AL1332.1	ensembl	lncRNA	transcribed unprec	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	
ENSG0000013073	9	3392193	3404889	UBAP2	ensembl	mRNA	protein coding	0.4136835	1.85e-04	0.4349885	1.48e-04	0.2992265	1.29e-01	0.3705604	5.71e-01	0.3559463	5.72e-01	0.1467904	9.42e-01	0.1436530	3.14e-01	
ENSG0000020548	14	61156273	61170603	RNF103	ensembl	mRNA	protein coding	0.3193346	4.03e-01	0.3704291	3.01e-01	0.2588850	1.97e-01	0.3709931	5.72e-01	0.3855186	3.99e-01	0.1036591	8.10e-01	0.1029318	3.40e-01	
ENSG0000010495	11	3491249	3502091	PFKM	ensembl	mRNA	protein coding	0.3476225	2.48e-01	0.3460973	2.07e-01	0.0694898	2.97e-01	0.3701118	5.76e-01	0.3717279	5.94e-01	0.0682635	2.19e-01	0.1870531	1.92e-01	
ENSG0000015377	9	8313972	8318332	AL1808.1	ensembl	lncRNA	transcribed unprec	0.2891797	1.13e-01	0.3776644	6.91e-01	0.1175595	5.59e-01	0.3703248	5.74e-01	0.4839504	9.78e-01	0.0964138	6.65e-01	0.0409311	9.78e-01	
ENSG0000015749	2	201288271	20135798	FLAC1	ensembl	mRNA	protein coding	0.1865877	2.24e-01	0.1865877	2.24e-01	0.1865877	2.24e-01	0.1865877	2.24e-01	0.1865877	2.24e-01	0.1865877	2.24e-01	0.1865877	2.24e-01	
ENSG0000014026	15	4358172	4371025	ZC2AN9	ensembl	mRNA	protein coding	0.3004413	2.58e-01	0.3020443	2.61e-01	0.1076675	5.93e-01	0.3684929	5.74e-01	0.3684929	5.74e-01	0.3684929	5.74e-01	0.3684929	5.74e-01	
ENSG0000014464	1	10120084	10120084	SNM4	ensembl	mRNA	protein coding	0.111000008	4.11e-01	0.111000008	4.11e-01	0.111000008	4.11e-01	0.111000008	4.11e-01	0.111000008	4.11e-01	0.111000008	4.11e-01	0.111000008	4.11e-01	
ENSG0000010372	15	8565281	8570964	AP3B2	ensembl	mRNA	protein coding	0.1188888	1.56e-01	0.1188888	1.56e-01	0.1188888	1.56e-01	0.1188888	1.56e-01	0.1188888	1.56e-01	0.1188888	1.56e-01	0.1188888	1.56e-01	
ENSG0000020536	12	11329208	11329176	RPSPD9	ensembl	transcribed unprec	0.0242497	7.79e-01	0.1039471	4.88e-01	0.1039471	4.88e-01	0.1039471	4.88e-01	0.1039471	4.88e-01	0.1039471	4.88e-01	0.1039471	4.88e-01	0.1039471	4.88e-01
ENSG0000013988	12	10095882	10095882	OR4F11	ensembl	mRNA	protein coding	0.0905582	4.08e-01	0.0905582	4.08e-01	0.0905582	4.08e-01	0.0905582	4.08e-01	0.0905582	4.08e-01	0.0905582	4.08e-01	0.0905582	4.08e-01	
ENSG0000013841	7	20823229	20826074	DIH1	ensembl	mRNA	protein coding	0.1339265	2.01e-01	0.1339265	2.01e-01	0.1339265	2.01e-01	0.1339265	2.01e-01	0.1339265	2.01e-01	0.1339265	2.01e-01	0.1339265	2.01e-01	
ENSG0000013376	3	12074267	12073909	GTF2I	ensembl	mRNA	protein coding	0.2947818	8.75e-01	0.2517774	7.82e-01	0.1250298	3.11e-01	0.3689291	5.83e-01	0.4050642	9.28e-01	0.04279	9.73e-01	0.0762534	5.97e-01	
ENSG0000014418	19	6207586	6209615	AL1808.1	ensembl	lncRNA	transcribed unprec	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	0.1217426	2.72e-01	
ENSG0000020709	21	4448577	4448208	INC02575	ensembl	mRNA	protein coding	0.0695635	6.86e-01	0.0625233	6.14e-01	0.0750828	7.10e-01	0.3810501	5.84e-01	0.0257575	8.43e-01	0.1200845	8.00e-01	0.0813776	5.60e-01	
ENSG0000020623	1	4722579	4723750	AL13396.1	ensembl	lncRNA	transcribed unprec	0.0438323	7.67e-01	0.3272048	2.04e-01	0.2611332	1.88e-01	0.3882713	5.84e-01	0.3702929	5.83e-01	0.1533368	4.19e-01	0.0762048	5.45e-01	
ENSG0000004199	10	7167835	7172401	PHLP2	ensembl	mRNA	protein coding	0.1570894	1.70e-01	0.1319399	2.64e-01	0.2017894	6.13e-01	0.3884629	5.85e-01	0.1429494	2.65e-01	0.0509389	8.79e-01	0.0836642	5.64e-01	
ENSG0000020399	1	4937407	4936982	AC09141.1	ensembl	lncRNA	transcribed unprec	0.2114955	2.40e-01	0.2023768	4.09e-01	0.1411211	4.61e-01	0.1709015	5.68e-01	0.2829347	9.81e-01	0.126263	5.80e-01	0.1142763	3.53e-01	
ENSG0000021344	20	5111044	5111100	ERRP1	ensembl	mRNA	protein coding	0.1127086	3.29e-01	0.1270514	7.07e-01	0.1707860	3.94e-01	0.3681338	5.86e-01	0.0663154	4.88e-01	0.1317107	6.55e-01	0.0448268	6.44e-01	
ENSG0000012823	22	3756080	3756945	ACD3P1	ensembl	mRNA	protein coding	0.2898222	1.08e-01	0.3089575	5.55e-01	0.1047078	6.03e-01	0.3457021	5.86e-01	0.4317302	6.44e-01	0.1917721	1.85e-01	0.1822959	2.05e-01	
ENSG0000015491	4	1273																				

ENSG0000010104	11	66842113	60851081	CDC36	ensembl	havana	protein_coding	0.23468997	3.99e-05	0.1674813	2.43e-01	0.15663266	5.80e-01	0.29626309	1.33e-01	0.31932099	1.86e-01	-0.1897951	3.86e-01	0.2252321	1.16e-01	
ENSG000000785	19	8613270	8439037	MAACH2	ensembl	havana	protein_coding	0.15457373	1.79e-01	0.2721738	1.13e-01	0.1984929	3.18e-01	0.2962866	1.33e-01	0.1704070	2.18e-01	0.153871	4.83e-01	0.0307033	8.00e-01	
ENSG0000020914	15	20729747	20756183	AC002414	ensembl	havana	lincRNA	0.04404033	0.54e-01	0.2480667	0.19e-01	0.1191197	2.01e-01	0.2191197	1.33e-01	0.1191197	2.01e-01	0.1191197	2.01e-01	0.0309170	8.00e-01	
ENSG0000020409	15	20729747	20756183	AC002414	ensembl	havana	lincRNA	0.0021477	4.54e-01	0.1073181	6.91e-01	0.1844683	3.54e-01	0.2962897	1.33e-01	0.1191197	2.01e-01	0.0445314	3.90e-01	0.0412851	3.80e-01	
ENSG0000021798	2	17457227	17458726	AC008934	ensembl	havana	lincRNA	0.0028922	6.02e-01	0.1524167	2.73e-01	0.1533634	4.43e-01	0.2962128	1.34e-01	0.0347440	7.01e-01	0.1424812	5.17e-01	0.0133020	9.27e-01	
ENSG0000016216	1	8464978	84666047	WDR37	ensembl	havana	protein_coding	0.0030303	3.06e-01	0.2027305	1.20e-01	0.1191197	2.01e-01	0.2191197	1.33e-01	0.0275474	2.75e-01	0.0769913	2.75e-01	0.0170924	3.80e-01	
ENSG0000010083	14	34981597	35029686	SRP4	ensembl	havana	protein_coding	0.1308332	3.00e-01	0.1012019	5.52e-01	0.29624	1.34e-01	0.1888603	1.75e-01	0.1207289	3.85e-01	0.0297019	3.85e-01	0.0138204	9.13e-01	
ENSG0000016570	8	13294000	13299387	GF118	ensembl	havana	protein_coding	0.1917529	9.48e-01	0.2254429	1.15e-01	0.0006501	9.97e-01	0.2962939	1.34e-01	0.2443734	7.49e-01	0.2999873	2.70e-01	0.0138204	9.13e-01	
ENSG0000015020	1	8193602	8190682	ARHGAP21	ensembl	havana	protein_coding	0.0212178	7.98e-01	0.1066683	9.13e-01	0.1191197	2.01e-01	0.2191197	1.33e-01	0.0212178	7.98e-01	0.0212178	7.98e-01	0.0212178	7.98e-01	
ENSG0000015045	14	5474484	5448026	GMP8	ensembl	havana	protein_coding	0.1372458	2.34e-01	0.1368098	2.05e-01	0.1191197	2.01e-01	0.2191197	1.33e-01	0.0262501	1.34e-01	0.0262501	1.34e-01	0.0262501	1.34e-01	
ENSG0000013155	1	16817962	16820210	TIPRL	ensembl	havana	protein_coding	0.2431169	3.31e-01	0.1722382	2.21e-01	0.1191197	2.01e-01	0.2191197	1.33e-01	0.0262501	1.34e-01	0.0262501	1.34e-01	0.0262501	1.34e-01	
ENSG0000013243	4	6024499	6023245	AAA	ensembl	havana	protein_coding	0.0232923	2.16e-01	0.1066683	9.13e-01	0.1191197	2.01e-01	0.2191197	1.33e-01	0.0262501	1.34e-01	0.0262501	1.34e-01	0.0262501	1.34e-01	
ENSG0000020803	16	17134	15155	TNAT3	ensembl	havana	lincRNA	0.0056594	6.64e-01	0.1592653	4.27e-01	0.1592653	4.27e-01	0.29624	1.34e-01	0.0958774	4.74e-01	0.0958774	4.74e-01	0.0958774	4.74e-01	
ENSG0000017791	10	73831612	73841474	MYO21	ensembl	havana	protein_coding	0.0242500	8.34e-01	0.1366549	1.94e-01	0.1072994	3.54e-01	0.2962400	1.34e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG00000217509	15	4538577	4538804	AC029073	ensembl	havana	lincRNA	0.0823330	4.72e-01	0.1217686	1.98e-01	0.0998007	7.67e-01	0.29624	1.34e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG00000209239	9	62009493	62009493	AC029073	ensembl	havana	lincRNA	0.0064702	6.02e-01	0.1072994	2.95e-01	0.1072994	4.12e-01	0.2962400	1.34e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG0000019479	4	4138317	4138908	MEI8	ensembl	havana	protein_coding	0.3069439	6.62e-01	0.2962005	4.06e-01	0.5357445	5.98e-01	0.2951175	1.35e-01	0.0244241	0.0412299	8.52e-01	0.3612539	6.66e-01	6.66e-01	
ENSG0000014390	2	8940242	8940745	IRF19_12	ensembl	havana	IG_V_gene	0.2802938	3.73e-01	0.1177077	2.75e-01	0.1720875	3.88e-01	0.2951175	1.35e-01	0.0244241	0.0412299	8.52e-01	0.3612539	6.66e-01	6.66e-01	
ENSG0000011445	1	11224709	11227454	PRDM4	ensembl	havana	protein_coding	0.2248724	2.78e-01	0.1019847	1.46e-01	0.1020166	3.81e-01	0.2952404	1.35e-01	0.1543130	3.66e-01	0.1537346	3.58e-01	0.0137346	5.94e-01	
ENSG0000021761	8	18291240	18291918	AC029512	ensembl	havana	lincRNA	0.2141713	6.14e-01	0.1019847	1.46e-01	0.0913991	6.50e-01	0.2952404	1.35e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	
ENSG0000020092	14	13262462	13263036	RIPR3	ensembl	havana	protein_coding	0.0119833	1.18e-01	0.0477355	7.88e-01	0.0874525	6.78e-01	0.2952526	1.35e-01	0.0283934	8.39e-01	0.1620933	4.58e-01	0.1246301	2.80e-01	
ENSG00000201038	4	14104812	14111270	FKBP2	ensembl	havana	protein_coding	0.3375314	2.98e-01	0.1362707	1.70e-01	0.2086651	2.98e-01	0.29524	1.35e-01	0.0220212	0.04681	0.1378301	5.86e-01	0.0156381	2.55e-01	
ENSG0000022903	10	13394987	13396289	LOC101366	ensembl	havana	lincRNA	-0.0359345	7.60e-01	0.1570078	2.94e-01	0.1488556	4.71e-01	0.2952753	1.35e-01	0.081449	5.58e-01	0.1425986	5.71e-01	0.14237	3.46e-01	
ENSG0000019726	19	19645138	19663876	ATP3A1	ensembl	havana	protein_coding	0.2104684	6.62e-01	0.2962372	3.68e-01	0.3527657	1.71e-01	0.2952753	1.35e-01	0.0220212	0.04681	0.1378301	5.86e-01	0.0156381	2.55e-01	
ENSG0000027950	5	4588567	4587443	AC040451	ensembl	havana	lincRNA	0.1727862	2.70e-01	0.1066683	9.13e-01	0.1066683	9.13e-01	0.29524	1.35e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG0000016006	9	3817906	3822523	UBAP1	ensembl	havana	protein_coding	0.2211094	6.28e-01	0.2284989	1.97e-01	0.007076	9.87e-01	0.2952498	1.35e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG0000015004	10	2856993	2834486	MPP7	ensembl	havana	protein_coding	0.2716104	3.06e-01	0.1884426	3.46e-01	0.2951234	1.35e-01	0.2952753	1.35e-01	0.0220212	0.04681	0.1378301	5.86e-01	0.0156381	2.55e-01	
ENSG0000028836	1	24770189	24779524	OR9DL1	ensembl	havana	polycomb_target	0.0580806	6.15e-01	0.2572431	1.73e-01	0.1888447	3.58e-01	0.2950107	1.35e-01	0.0244241	0.0412299	8.52e-01	0.201474	3.57e-01	0.1888447	3.58e-01
ENSG0000021794	1	6104884	61257231	INR1M1	ensembl	havana	lincRNA	0.0285649	1.31e-01	0.1066683	9.13e-01	0.2944043	1.03e-01	0.2944043	1.03e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG0000017774	17	1668112	1666668	EMC6	ensembl	havana	protein_coding	0.3582649	1.31e-01	0.1066683	9.13e-01	0.2944043	1.03e-01	0.2944043	1.03e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG0000027954	2	21461324	21462363	AC005512	ensembl	havana	lincRNA	0.0448311	2.23e-01	0.2829159	4.88e-01	0.2043497	3.04e-01	0.2948115	1.35e-01	0.1141649	4.11e-01	0.0632059	9.11e-01	0.0642103	6.98e-01	
ENSG0000027609	1	2089526	20901124	AC005512	ensembl	havana	lincRNA	0.0015719	5.85e-01	0.1019847	1.46e-01	0.0913991	6.50e-01	0.2952404	1.35e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	
ENSG00000134291	12	4796359	4796878	ATP5M1	ensembl	havana	protein_coding	0.0015719	5.85e-01	0.1019847	1.46e-01	0.0913991	6.50e-01	0.2952404	1.35e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	
ENSG0000020035	10	7968173	79684094	AL125654	ensembl	havana	lincRNA	0.0573496	6.20e-01	0.0988163	4.91e-01	0.1917805	3.40e-01	0.2947489	1.36e-01	0.0216883	4.64e-01	0.0965737	6.64e-01	0.0277806	8.48e-01	
ENSG0000011128	1	10708123	10708123	AC005512	ensembl	havana	lincRNA	0.0015719	5.85e-01	0.1019847	1.46e-01	0.0913991	6.50e-01	0.2952404	1.35e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	0.1152888	2.18e-01	
ENSG0000027978	16	6656520	6656601	AC005512	ensembl	havana	lincRNA	0.0311272	7.98e-01	0.1932709	1.72e-01	0.1266406	5.29e-01	0.2947489	1.36e-01	0.0216883	4.64e-01	0.0965737	6.64e-01	0.0277806	8.48e-01	
ENSG0000021325	14	10637730	10637733	IGFBP3_14	ensembl	havana	IG_P1_neutralizing	0.0011868	7.85e-01	0.0107440	9.41e-01	0.1986721	3.16e-01	0.2944229	1.36e-01	0.0209794	9.37e-01	0.0204431	8.19e-01	0.0291121	4.98e-01	
ENSG0000010804	10	11019193	11013668	SHO2	ensembl	havana	protein_coding	0.1319167	3.18e-01	0.1030293	4.24e-01	0.2944229	1.36e-01	0.37918	3.06e-01	0.0279959	9.86e-01	0.0291121	4.98e-01	0.0291121	4.98e-01	
ENSG0000019346	1	6104884	61257231	INR1M1	ensembl	havana	lincRNA	0.0285649	1.31e-01	0.1066683	9.13e-01	0.2944043	1.03e-01	0.2944043	1.03e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	0.0299270	8.61e-01	
ENSG0000020304	6	7616105	7617280	AL337531	ensembl	havana	lincRNA	0.1959388	8.76e-01	0.2517687	1.74e-01	0.0895588	6.66e-01	0.2941531	1.37e-01	0.1005516	3.27e-01	0.0896618	8.61e-01	0.0449988	7.66e-01	
ENSG0000015383	12	1297470	1300225	HEP1	ensembl	havana	protein_coding	0.0279103	2.40e-01	0.1377400	2.02e-01	0.0730003	6.99e-01	0.2941531	1.37e-01	0.1163973	4.02e-01	0.0988655	6.64e-01	0.049		

Table with columns for gene ID, gene name, gene type, tissue, and various numerical values. The table contains multiple rows of data, including entries like ENSG0000027406, ENSG0000027407, etc., with associated values and gene names.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as RPL19P, RPL19, RPL19A, RPL19B, RPL19C, RPL19D, RPL19E, RPL19F, RPL19G, RPL19H, RPL19I, RPL19J, RPL19K, RPL19L, RPL19M, RPL19N, RPL19O, RPL19P, RPL19Q, RPL19R, RPL19S, RPL19T, RPL19U, RPL19V, RPL19W, RPL19X, RPL19Y, RPL19Z, RPL19AA, RPL19AB, RPL19AC, RPL19AD, RPL19AE, RPL19AF, RPL19AG, RPL19AH, RPL19AI, RPL19AJ, RPL19AK, RPL19AL, RPL19AM, RPL19AN, RPL19AO, RPL19AP, RPL19AQ, RPL19AR, RPL19AS, RPL19AT, RPL19AU, RPL19AV, RPL19AW, RPL19AX, RPL19AY, RPL19AZ, RPL19BA, RPL19BB, RPL19BC, RPL19BD, RPL19BE, RPL19BF, RPL19BG, RPL19BH, RPL19BI, RPL19BJ, RPL19BK, RPL19BL, RPL19BM, RPL19BN, RPL19BO, RPL19BP, RPL19BQ, RPL19BR, RPL19BS, RPL19BT, RPL19BU, RPL19BV, RPL19BW, RPL19BX, RPL19BY, RPL19BZ, RPL19CA, RPL19CB, RPL19CC, RPL19CD, RPL19CE, RPL19CF, RPL19CG, RPL19CH, RPL19CI, RPL19CJ, RPL19CK, RPL19CL, RPL19CM, RPL19CN, RPL19CO, RPL19CP, RPL19CQ, RPL19CR, RPL19CS, RPL19CT, RPL19CU, RPL19CV, RPL19CW, RPL19CX, RPL19CY, RPL19CZ, RPL19DA, RPL19DB, RPL19DC, RPL19DD, RPL19DE, RPL19DF, RPL19DG, RPL19DH, RPL19DI, RPL19DJ, RPL19DK, RPL19DL, RPL19DM, RPL19DN, RPL19DO, RPL19DP, RPL19DQ, RPL19DR, RPL19DS, RPL19DT, RPL19DU, RPL19DV, RPL19DW, RPL19DX, RPL19DY, RPL19DZ, RPL19EA, RPL19EB, RPL19EC, RPL19ED, RPL19EE, RPL19EF, RPL19EG, RPL19EH, RPL19EI, RPL19EJ, RPL19EK, RPL19EL, RPL19EM, RPL19EN, RPL19EO, RPL19EP, RPL19EQ, RPL19ER, RPL19ES, RPL19ET, RPL19EU, RPL19EV, RPL19EW, RPL19EX, RPL19EY, RPL19EZ, RPL19FA, RPL19FB, RPL19FC, RPL19FD, RPL19FE, RPL19FF, RPL19FG, RPL19FH, RPL19FI, RPL19FJ, RPL19FK, RPL19FL, RPL19FM, RPL19FN, RPL19FO, RPL19FP, RPL19FQ, RPL19FR, RPL19FS, RPL19FT, RPL19FU, RPL19FV, RPL19FW, RPL19FX, RPL19FY, RPL19FZ, RPL19GA, RPL19GB, RPL19GC, RPL19GD, RPL19GE, RPL19GF, RPL19GG, RPL19GH, RPL19GI, RPL19GJ, RPL19GK, RPL19GL, RPL19GM, RPL19GN, RPL19GO, RPL19GP, RPL19GQ, RPL19GR, RPL19GS, RPL19GT, RPL19GU, RPL19GV, RPL19GW, RPL19GX, RPL19GY, RPL19GZ, RPL19HA, RPL19HB, RPL19HC, RPL19HD, RPL19HE, RPL19HF, RPL19HG, RPL19HH, RPL19HI, RPL19HJ, RPL19HK, RPL19HL, RPL19HM, RPL19HN, RPL19HO, RPL19HP, RPL19HQ, RPL19HR, RPL19HS, RPL19HT, RPL19HU, RPL19HV, RPL19HW, RPL19HX, RPL19HY, RPL19HZ, RPL19IA, RPL19IB, RPL19IC, RPL19ID, RPL19IE, RPL19IF, RPL19IG, RPL19IH, RPL19II, RPL19IJ, RPL19IK, RPL19IL, RPL19IM, RPL19IN, RPL19IO, RPL19IP, RPL19IQ, RPL19IR, RPL19IS, RPL19IT, RPL19IU, RPL19IV, RPL19IW, RPL19IX, RPL19IY, RPL19IZ, RPL19JA, RPL19JB, RPL19JC, RPL19JD, RPL19JE, RPL19JF, RPL19JG, RPL19JH, RPL19JI, RPL19JJ, RPL19JK, RPL19JL, RPL19JM, RPL19JN, RPL19JO, RPL19JP, RPL19JQ, RPL19JR, RPL19JS, RPL19JT, RPL19JU, RPL19JV, RPL19JW, RPL19JX, RPL19JY, RPL19JZ, RPL19KA, RPL19KB, RPL19KC, RPL19KD, RPL19KE, RPL19KF, RPL19KG, RPL19KH, RPL19KI, RPL19KJ, RPL19KL, RPL19KM, RPL19KN, RPL19KO, RPL19KP, RPL19KQ, RPL19KR, RPL19KS, RPL19KT, RPL19KU, RPL19KV, RPL19KW, RPL19KX, RPL19KY, RPL19KZ, RPL19LA, RPL19LB, RPL19LC, RPL19LD, RPL19LE, RPL19LF, RPL19LG, RPL19LH, RPL19LI, RPL19LJ, RPL19LK, RPL19LL, RPL19LM, RPL19LN, RPL19LO, RPL19LP, RPL19LQ, RPL19LR, RPL19LS, RPL19LT, RPL19LU, RPL19LV, RPL19LW, RPL19LX, RPL19LY, RPL19LZ, RPL19MA, RPL19MB, RPL19MC, RPL19MD, RPL19ME, RPL19MF, RPL19MG, RPL19MH, RPL19MI, RPL19MJ, RPL19MK, RPL19ML, RPL19MN, RPL19MO, RPL19MP, RPL19MQ, RPL19MR, RPL19MS, RPL19MT, RPL19MU, RPL19MV, RPL19MW, RPL19MX, RPL19MY, RPL19MZ, RPL19NA, RPL19NB, RPL19NC, RPL19ND, RPL19NE, RPL19NF, RPL19NG, RPL19NH, RPL19NI, RPL19NJ, RPL19NK, RPL19NL, RPL19NM, RPL19NN, RPL19NO, RPL19NP, RPL19NQ, RPL19NR, RPL19NS, RPL19NT, RPL19NU, RPL19NV, RPL19NW, RPL19NX, RPL19NY, RPL19NZ, RPL19OA, RPL19OB, RPL19OC, RPL19OD, RPL19OE, RPL19OF, RPL19OG, RPL19OH, RPL19OI, RPL19OJ, RPL19OK, RPL19OL, RPL19OM, RPL19ON, RPL19OO, RPL19OP, RPL19OQ, RPL19OR, RPL19OS, RPL19OT, RPL19OU, RPL19OV, RPL19OW, RPL19OX, RPL19OY, RPL19OZ, RPL19PA, RPL19PB, RPL19PC, RPL19PD, RPL19PE, RPL19PF, RPL19PG, RPL19PH, RPL19PI, RPL19PJ, RPL19PK, RPL19PL, RPL19PM, RPL19PN, RPL19PO, RPL19PP, RPL19PQ, RPL19PR, RPL19PS, RPL19PT, RPL19PU, RPL19PV, RPL19PW, RPL19PX, RPL19PY, RPL19PZ, RPL19QA, RPL19QB, RPL19QC, RPL19QD, RPL19QE, RPL19QF, RPL19QG, RPL19QH, RPL19QI, RPL19QJ, RPL19QK, RPL19QL, RPL19QM, RPL19QN, RPL19QO, RPL19QP, RPL19QQ, RPL19QR, RPL19QS, RPL19QT, RPL19QU, RPL19QV, RPL19QW, RPL19QX, RPL19QY, RPL19QZ, RPL19RA, RPL19RB, RPL19RC, RPL19RD, RPL19RE, RPL19RF, RPL19RG, RPL19RH, RPL19RI, RPL19RJ, RPL19RK, RPL19RL, RPL19RM, RPL19RN, RPL19RO, RPL19RP, RPL19RQ, RPL19RR, RPL19RS, RPL19RT, RPL19RU, RPL19RV, RPL19RW, RPL19RX, RPL19RY, RPL19RZ, RPL19SA, RPL19SB, RPL19SC, RPL19SD, RPL19SE, RPL19SF, RPL19SG, RPL19SH, RPL19SI, RPL19SJ, RPL19SK, RPL19SL, RPL19SM, RPL19SN, RPL19SO, RPL19SP, RPL19SQ, RPL19SR, RPL19SS, RPL19ST, RPL19SU, RPL19SV, RPL19SW, RPL19SX, RPL19SY, RPL19SZ, RPL19TA, RPL19TB, RPL19TC, RPL19TD, RPL19TE, RPL19TF, RPL19TG, RPL19TH, RPL19TI, RPL19TJ, RPL19TK, RPL19TL, RPL19TM, RPL19TN, RPL19TO, RPL19TP, RPL19TQ, RPL19TR, RPL19TS, RPL19TT, RPL19TU, RPL19TV, RPL19TW, RPL19TX, RPL19TY, RPL19TZ, RPL19UA, RPL19UB, RPL19UC, RPL19UD, RPL19UE, RPL19UF, RPL19UG, RPL19UH, RPL19UI, RPL19UJ, RPL19UK, RPL19UL, RPL19UM, RPL19UN, RPL19UO, RPL19UP, RPL19UQ, RPL19UR, RPL19US, RPL19UT, RPL19UU, RPL19UV, RPL19UW, RPL19UX, RPL19UY, RPL19UZ, RPL19VA, RPL19VB, RPL19VC, RPL19VD, RPL19VE, RPL19VF, RPL19VG, RPL19VH, RPL19VI, RPL19VJ, RPL19VK, RPL19VL, RPL19VM, RPL19VN, RPL19VO, RPL19VP, RPL19VQ, RPL19VR, RPL19VS, RPL19VT, RPL19VU, RPL19VV, RPL19VW, RPL19VX, RPL19VY, RPL19VZ, RPL19WA, RPL19WB, RPL19WC, RPL19WD, RPL19WE, RPL19WF, RPL19WG, RPL19WH, RPL19WI, RPL19WJ, RPL19WK, RPL19WL, RPL19WM, RPL19WN, RPL19WO, RPL19WP, RPL19WQ, RPL19WR, RPL19WS, RPL19WT, RPL19WU, RPL19WV, RPL19WW, RPL19WX, RPL19WY, RPL19WZ, RPL19XA, RPL19XB, RPL19XC, RPL19XD, RPL19XE, RPL19XF, RPL19XG, RPL19XH, RPL19XI, RPL19XJ, RPL19XK, RPL19XL, RPL19XM, RPL19XN, RPL19XO, RPL19XP, RPL19XQ, RPL19XR, RPL19XS, RPL19XT, RPL19XU, RPL19XV, RPL19XW, RPL19XX, RPL19XY, RPL19XZ, RPL19YA, RPL19YB, RPL19YC, RPL19YD, RPL19YE, RPL19YF, RPL19YG, RPL19YH, RPL19YI, RPL19YJ, RPL19YK, RPL19YL, RPL19YM, RPL19YN, RPL19YO, RPL19YP, RPL19YQ, RPL19YR, RPL19YS, RPL19YT, RPL19YU, RPL19YV, RPL19YW, RPL19YX, RPL19YY, RPL19YZ, RPL19ZA, RPL19ZB, RPL19ZC, RPL19ZD, RPL19ZE, RPL19ZF, RPL19ZG, RPL19ZH, RPL19ZI, RPL19ZJ, RPL19ZK, RPL19ZL, RPL19ZM, RPL19ZN, RPL19ZO, RPL19ZP, RPL19ZQ, RPL19ZR, RPL19ZS, RPL19ZT, RPL19ZU, RPL19ZV, RPL19ZW, RPL19ZX, RPL19ZY, RPL19ZZ.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and protein coding status. The table lists numerous genes such as FAM61A1, DEVL2, MMR2, etc., with their genomic locations and associated transcript information.

ENSG0000029445	19	38520954	38528555	AC097962.2	havana	incRNA	YES	0.066703	5.70e-01	0.2862629	4.80e-02	0.3848690	4.75e-02	0.2637308	1.84e-01	0.0062926	9.64e-01	0.096462	6.62e-01	0.1957926	1.73e-01
ENSG0000011823	19	7916139	7917412	RANBP1	ensembl	mRNA	protein coding	0.004593	9.71e-01	0.0174918	9.04e-01	0.2742617	1.64e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000019081	19	7944617	7945074	MDM2	ensembl	mRNA	protein coding	0.008242	0.98e-01	0.0204794	3.81e-01	0.1291204	1.44e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000017311	19	9741909	9744617	EXOC1	ensembl	mRNA	protein coding	0.2252108	0.98e-01	0.0277863	5.68e-01	0.3666112	6.09e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000015440	20	5889131	5871928	HPH1L1	ensembl	mRNA	protein coding	-0.001477	9.90e-01	0.1202704	1.73e-01	0.2488253	2.11e-01	0.2620028	1.85e-01	0.0037576	9.80e-01	0.225518	3.07e-01	0.229976	7.98e-01
ENSG0000018390	12	7209424	7210823	PRAG1	ensembl	mRNA	protein coding	0.072271	0.92e-01	0.0152721	0.94e-01	0.1868944	9.14e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000014034	2	77372104	77373400	FRKB	ensembl	mRNA	protein coding	0.0750867	5.31e-01	0.0557574	7.01e-01	0.1048156	6.03e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000013701	8	3569799	3564681	CD72	ensembl	mRNA	protein coding	0.2894868	1.07e-01	0.2711617	5.68e-01	0.3781398	5.18e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000011693	17	4270568	4242564	ARHGAP2	ensembl	mRNA	protein coding	0.006148	0.98e-01	0.0025628	0.98e-01	0.0882362	8.00e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000009811	19	751112	764318	MIR5	ensembl	mRNA	protein coding	0.2594726	8.84e-01	0.2395549	1.05e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01	0.228665	9.54e-01
ENSG0000017200	16	5305933	5329150	CHD9	ensembl	mRNA	protein coding	0.134668	2.43e-01	0.1042722	4.70e-01	0.2052812	7.94e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000010693	3	12842704	12848663	ADPGC2	ensembl	mRNA	protein coding	0.004593	4.24e-01	0.2633666	4.75e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01	0.228665	9.54e-01
ENSG0000010075	1	20211297	20211392	GPR173.1	ensembl	mRNA	protein coding	0.2028959	7.54e-01	0.1982774	1.47e-01	0.1049077	9.33e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000024931	11	524870	524783	AC014389.6	havana	incRNA	YES	0.132436	2.51e-01	0.3423293	1.47e-01	0.0621201	7.58e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000017416	17	6079399	6080895	AC015044.4	havana	incRNA	YES	0.1932421	2.53e-01	0.2905575	1.47e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000010286	3	6239131	6239443	AC015044.4	havana	incRNA	YES	0.005998	4.06e-01	0.2560138	2.72e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000021850	1	984293	984974	AL337140.2	havana	incRNA	YES	0.1560915	1.74e-01	0.2684701	5.94e-01	0.0188474	9.24e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000012377	10	6211996	6219190	LG2	ensembl	mRNA	protein coding	0.2449516	2.38e-01	0.2366504	1.03e-01	0.4243869	2.73e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000018428	16	1077	9792657	ENRFB1.1	ensembl	mRNA	transcript pseudo	0.029207	6.13e-01	0.3458206	2.07e-01	0.2197131	2.71e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000018449	2	18956500	18983878	SICAAD1	ensembl	mRNA	protein coding	0.1159206	3.18e-01	0.2579586	7.09e-01	0.2024079	3.11e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000017510	12	4216521	4246547	INC02402	havana	transcript pseudo	YES	0.0189899	8.64e-01	0.2815852	4.88e-01	0.2194773	2.71e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000010286	3	6239131	6239443	AC015044.4	havana	incRNA	YES	0.005998	4.06e-01	0.2560138	2.72e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000010075	1	20211297	20211392	GPR173.1	ensembl	mRNA	protein coding	0.2028959	7.54e-01	0.1982774	1.47e-01	0.1049077	9.33e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000024931	11	524870	524783	AC014389.6	havana	incRNA	YES	0.132436	2.51e-01	0.3423293	1.47e-01	0.0621201	7.58e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000017416	17	6079399	6080895	AC015044.4	havana	incRNA	YES	0.1932421	2.53e-01	0.2905575	1.47e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000010286	3	6239131	6239443	AC015044.4	havana	incRNA	YES	0.005998	4.06e-01	0.2560138	2.72e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000021850	1	984293	984974	AL337140.2	havana	incRNA	YES	0.1560915	1.74e-01	0.2684701	5.94e-01	0.0188474	9.24e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000012377	10	6211996	6219190	LG2	ensembl	mRNA	protein coding	0.2449516	2.38e-01	0.2366504	1.03e-01	0.4243869	2.73e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000018428	16	1077	9792657	ENRFB1.1	ensembl	mRNA	transcript pseudo	0.029207	6.13e-01	0.3458206	2.07e-01	0.2197131	2.71e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000018449	2	18956500	18983878	SICAAD1	ensembl	mRNA	protein coding	0.1159206	3.18e-01	0.2579586	7.09e-01	0.2024079	3.11e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000017510	12	4216521	4246547	INC02402	havana	transcript pseudo	YES	0.0189899	8.64e-01	0.2815852	4.88e-01	0.2194773	2.71e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000010286	3	6239131	6239443	AC015044.4	havana	incRNA	YES	0.005998	4.06e-01	0.2560138	2.72e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000010075	1	20211297	20211392	GPR173.1	ensembl	mRNA	protein coding	0.2028959	7.54e-01	0.1982774	1.47e-01	0.1049077	9.33e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000024931	11	524870	524783	AC014389.6	havana	incRNA	YES	0.132436	2.51e-01	0.3423293	1.47e-01	0.0621201	7.58e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000017416	17	6079399	6080895	AC015044.4	havana	incRNA	YES	0.1932421	2.53e-01	0.2905575	1.47e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000010286	3	6239131	6239443	AC015044.4	havana	incRNA	YES	0.005998	4.06e-01	0.2560138	2.72e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01	0.054243	7.58e-01
ENSG0000021850	1	984293	984974	AL337140.2	havana	incRNA	YES	0.1560915	1.74e-01	0.2684701	5.94e-01	0.0188474	9.24e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000012377	10	6211996	6219190	LG2	ensembl	mRNA	protein coding	0.2449516	2.38e-01	0.2366504	1.03e-01	0.4243869	2.73e-01	0.2633666	1.85e-01	0.1976247	4.39e-01	0.211765	2.87e-01	0.228665	9.54e-01
ENSG0000018428	16	1077	9792657	ENRFB1.1	ensembl	mRNA	transcript pseudo	0.029207	6.13e-01	0.3458206	2.07e-01	0.2197131	2.71e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000018449	2	18956500	18983878	SICAAD1	ensembl	mRNA	protein coding	0.1159206	3.18e-01	0.2579586	7.09e-01	0.2024079	3.11e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000017510	12	4216521	4246547	INC02402	havana	transcript pseudo	YES	0.0189899	8.64e-01	0.2815852	4.88e-01	0.2194773	2.71e-01	0.2629784	1.85e-01	0.097112	6.05e-01	0.0647485	7.69e-01	0.054243	7.58e-01
ENSG0000010286	3	6239131	6239443	AC015044.4	havana	incRNA	YES	0.005998	4.06e-01	0.2560138	2.72e-01</										

ENSG000001405	11	17077730	17207883	PKIKZ4	ensembl	navana	protein_coding	0.16518283	1.511e-01	0.13922211	3.35e-01	0.02966223	8.81e-01	0.2415185	2.52e-01	0.26509243	1.20e-02	-0.1631005	4.57e-01	-0.068995	6.34e-01		
ENSG000001520	1	2027989	2026751	PKPKA4	ensembl	navana	protein_coding	0.024894	8.29e-01	0.2739975	2.60e-01	0.04969611	7.51e-01	0.2415003	2.25e-01	0.1308789	4.22e-01	0.0512473	1.16e-01	0.0172412	1.95e-01		
ENSG000001520	2	12324056	12324703	PKPKA4	ensembl	navana	protein_coding	0.0264483	1.01e-01	0.1741813	6.5e-01	0.1427031	2.28e-01	0.2415003	2.25e-01	0.1308789	4.22e-01	0.0512473	1.16e-01	0.0172412	1.95e-01		
ENSG000001401	3	17656611	17658909	FIBX05	ensembl	navana	protein_coding	0.2064562	7.16e-02	0.1557895	2.51e-01	0.1791091	3.70e-01	0.2414993	2.25e-01	0.1308789	4.22e-01	0.0512473	1.16e-01	0.0172412	1.95e-01		
ENSG0000028849	6	2745458	2745775	A02J1914	navana	ncRNA	0.0720823	1.40e-02	0.2913931	4.01e-01	0.1949815	3.30e-01	0.2414811	2.25e-01	0.2799675	1.03e-01	0.0498138	8.03e-01	0.1514121	4.25e-01	0.0172412	1.95e-01	
ENSG000001131	11	9164642	9164814	ENSO0414	ensembl	navana	protein_coding	0.0202414	1.01e-01	0.1741813	6.5e-01	0.1427031	2.28e-01	0.2415003	2.25e-01	0.1308789	4.22e-01	0.0512473	1.16e-01	0.0172412	1.95e-01		
ENSG0000024433	12	6393879	6394148	AC005840.2	navana	ncRNA	0.0282744	8.44e-01	0.2013954	4.72e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	
ENSG00000140255	21	4488593	4493189	TIGR2	ensembl	navana	protein_coding	0.2598663	2.28e-01	0.1911039	1.79e-01	0.0924192	6.47e-01	0.2413511	2.25e-01	0.2484829	3.67e-01	0.0288807	9.03e-01	0.0292079	8.41e-01	0.0172412	1.95e-01
ENSG0000014243	22	4058347	4063180	FBXW7	ensembl	navana	protein_coding	0.0282744	8.44e-01	0.2013954	4.72e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01
ENSG00000140310	26	7204439	7204941	TNFR4	ensembl	navana	protein_coding	0.2537515	2.02e-01	0.2049021	3.75e-01	0.0949021	6.47e-01	0.2413511	2.25e-01	0.2484829	3.67e-01	0.0288807	9.03e-01	0.0292079	8.41e-01	0.0172412	1.95e-01
ENSG0000018748	26	6844414	6845413	CAT	ensembl	navana	protein_coding	0.0122495	9.16e-01	0.1737485	2.18e-01	0.0793437	6.93e-01	0.2413876	2.26e-01	0.080048	6.65e-01	0.0242783	8.48e-01	0.0040053	9.78e-01	0.0172412	1.95e-01
ENSG00000144128	27	12324056	12324703	RALB	ensembl	navana	protein_coding	0.0264483	1.01e-01	0.1741813	6.5e-01	0.1427031	2.28e-01	0.2415003	2.25e-01	0.1308789	4.22e-01	0.0512473	1.16e-01	0.0172412	1.95e-01		
ENSG0000015350	20	3277501	3275501	KIF3B	ensembl	navana	protein_coding	0.1616944	1.60e-01	0.1931601	5.29e-01	0.2240771	2.26e-01	0.2413973	2.26e-01	0.080048	6.65e-01	0.0242783	8.48e-01	0.0040053	9.78e-01	0.0172412	1.95e-01
ENSG0000017013	19	3390632	3390831	AC005856.1	navana	ncRNA	0.0202219	8.44e-01	0.2013954	4.72e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	0.2414081	2.46e-01	
ENSG0000029153	7	14307913	14352449	EPHA1-AS1	ensembl	navana	protein_coding	0.1943308	9.07e-02	0.1862599	1.95e-01	0.0211399	9.17e-01	0.2410299	2.26e-01	0.0280163	8.03e-01	0.055694	5.98e-01	0.0214804	1.14e-01	0.0172412	1.95e-01
ENSG00000144997	7	1284749	1284929	EPHA1	ensembl	navana	protein_coding	0.0009504	9.37e-01	0.1427031	6.5e-01	0.1427031	6.5e-01	0.2415003	2.25e-01	0.0446667	7.68e-01	0.0446667	7.68e-01	0.0446667	7.68e-01	0.0446667	7.68e-01
ENSG0000024892	4	4522466	4522627	RHPS18B	ensembl	navana	protein_coding	0.2423217	9.37e-01	0.2793824	4.95e-01	0.0814303	6.84e-01	0.2409881	2.26e-01	0.2309991	9.28e-01	0.0373475	8.78e-01	0.0078775	6.96e-01	0.0172412	1.95e-01
ENSG0000014489	21	3613240	3613302	TMS1P1	ensembl	navana	protein_coding	0.0098145	9.37e-01	0.1213463	1.41e-01	0.1138001	4.44e-01	0.2409881	2.26e-01	0.0310662	7.94e-01	0.0275783	7.42e-01	0.125905	3.83e-01	0.0172412	1.95e-01
ENSG000001179	12	14370013	14370013	TRNL1-10P	ensembl	navana	protein_coding	0.2598139	6.98e-02	0.2177371	3.17e-01	0.2425233	3.91e-01	0.2409881	2.26e-01	0.2385033	9.01e-01	0.0657396	7.66e-01	0.16127	2.04e-01	0.0172412	1.95e-01
ENSG000002604	9	6827851	6827912	AL33568.2	navana	ncRNA	0.2246684	4.77e-02	0.2586614	6.95e-01	0.0244955	9.01e-01	0.4096767	2.26e-01	0.1879574	7.24e-01	0.3512316	7.61e-01	0.3512316	7.61e-01	0.3512316	7.61e-01	
ENSG0000013714	20	5633246	5633620	FAM209	ensembl	navana	protein_coding	0.0244082	3.72e-01	0.232042	1.65e-01	0.1242807	5.73e-01	0.2409446	2.26e-01	0.3009103	7.28e-01	0.0016008	9.94e-01	0.0471613	7.44e-01	0.0172412	1.95e-01
ENSG0000023218	17	7027571	7028066	ARL8	ensembl	navana	protein_coding	0.0060944	4.99e-01	0.0060944	5.13e-01	0.0060944	7.28e-01	0.2409187	2.26e-01	0.0280163	8.03e-01	0.0280163	8.03e-01	0.0280163	8.03e-01	0.0280163	8.03e-01
ENSG0000019670	19	2375648	2300379	DNAC1	ensembl	navana	protein_coding	0.2317242	4.36e-01	0.2372778	1.04e-01	0.1697956	3.97e-01	0.2408896	2.26e-01	0.0401888	6.19e-01	0.1238353	8.03e-01	0.1999974	1.70e-01	0.0172412	1.95e-01
ENSG0000027818	14	5152827	5128558	Mertosa SP	ensembl	navana	misc_RNA	0.0441994	7.03e-01	0.1482772	3.01e-01	0.23207	2.62e-01	0.2408727	2.26e-01	0.0440768	7.25e-01	0.0440768	7.25e-01	0.0440768	7.25e-01	0.0440768	7.25e-01
ENSG00000100105	7	3688933	3684933	GAR1	ensembl	navana	protein_coding	0.1098938	3.41e-01	0.0310402	9.01e-01	0.1770575	3.77e-01	0.2407908	2.26e-01	0.0422479	5.53e-01	0.0973463	6.99e-01	0.0069936	9.72e-01	0.0172412	1.95e-01
ENSG0000016753	6	13111339	13115796	HMGAT7	ensembl	navana	protein_coding	0.1366698	1.04e-01	0.2187917	1.17e-01	0.0519696	2.83e-01	0.2407864	2.26e-01	0.0823164	8.95e-01	0.07954	7.95e-01	0.2089711	1.54e-01	0.0172412	1.95e-01
ENSG0000017454	5	17636487	17640865	NR0A1	ensembl	navana	protein_coding	0.2593051	9.74e-01	0.2051569	7.39e-01	0.2315181	1.02e-01	0.2407586	2.26e-01	0.3046199	5.12e-01	0.2464518	6.01e-01	0.061628	5.91e-01	0.0172412	1.95e-01
ENSG0000027566	12	11324946	11325042	AC00999.2	navana	ncRNA	0.0372781	7.78e-01	0.120088	4.47e-01	0.080726	6.77e-01	0.2407499	2.26e-01	0.0466134	7.38e-01	0.077496	7.21e-01	0.08803	5.92e-01	0.0172412	1.95e-01	
ENSG0000015511	6	1284749	1284929	EPHA1	ensembl	navana	protein_coding	0.0009504	9.37e-01	0.1427031	6.5e-01	0.1427031	6.5e-01	0.2415003	2.25e-01	0.0446667	7.68e-01	0.0446667	7.68e-01	0.0446667	7.68e-01	0.0446667	7.68e-01
ENSG00000104419	8	11331715	11330202	NORG1	ensembl	navana	ncRNA	0.1936102	1.24e-01	0.2004898	1.34e-01	0.0904738	6.54e-01	0.2410514	2.26e-01	0.0410881	6.01e-01	0.061503	7.80e-01	0.0183735	5.92e-01	0.0172412	1.95e-01
ENSG0000027966	2	20238879	20237200	AC04836.1	navana	ncRNA	0.0810425	4.84e-01	0.1843535	2.00e-01	0.2764912	1.63e-01	0.2408878	2.27e-01	0.0332486	7.02e-01	0.0362929	8.67e-01	0.1182129	4.12e-01	0.0172412	1.95e-01	
ENSG000001626	10	14370013	14370013	TRNL1-10P	ensembl	navana	protein_coding	0.2598139	6.98e-02	0.2177371	3.17e-01	0.2425233	3.91e-01	0.2409881	2.26e-01	0.2385033	9.01e-01	0.0657396	7.66e-01	0.16127	2.04e-01	0.0172412	1.95e-01
ENSG0000028495	6	12111388	12116974	LINC01013	navana	ncRNA	0.1369024	9.12e-01	0.1312625	3.10e-01	0.2400538	2.27e-01	0.2400538	2.27e-01	0.2400538	2.27e-01	0.2400538	2.27e-01	0.2400538	2.27e-01	0.2400538	2.27e-01	
ENSG0000015126	11	6239316	6239372	APPD304.1	navana	ncRNA	0.1931215	9.47e-01	0.2178807	1.29e-01	0.1525251	4.48e-01	0.2405377	2.27e-01	0.2385493	8.23e-01	0.1064048	6.35e-01	0.124506	3.89e-01	0.0172412	1.95e-01	
ENSG0000015386	10	12109743	12109743	TRNL1-10P	ensembl	navana	protein_coding	0.2598139	6.98e-02	0.2177371	3.17e-01	0.2425233	3.91e-01	0.2409881	2.26e-01	0.2385033	9.01e-01	0.0657396	7.66e-01	0.16127	2.04e-01	0.0172412	1.95e-01
ENSG0000019173	15	7159443	7152169	C15orf9	ensembl	navana	protein_coding	0.2292734	4.74e-01	0.2099664	1.41e-01	0.0450524	5.88e-01	0.2405452	2.27e-01	0.2378953	5.10e-01	0.0382499	4.92e-01	0.173295	3.89e-01	0.0172412	1.95e-01
ENSG000001490	19	1819229	1820189	RFXANK	ensembl	navana	protein_coding	0.1466438	2.09e-01	0.1775660	2.17e-01	0.1042920	6.08e-01	0.2404262	2.27e-01	0.1049919	1.68e-01	0.088891	7.12e-01	0.0630709	6.60e-01	0.0172412	1.95e-01
ENSG0000014837	6	278679	2780788	HIS	ensembl	navana	protein_coding	0.1881993	1.33e-01	0.2010452	1.62e-01	0.20139	3.18e-01	0.2404925	2.27e-01	0.2409715	3.17e-01	0.037952	2.62e-01	0.0899153	5.62e-01	0.0172412	1.95e-01
ENSG00000142607	1	868439	865409	PRKAB3</																			

ENSG000004776	19	3575466	3578879	HSR6	ensembl	havana	protein_coding	0.02191362	5.55e-02	0.0262125	2.04e-01	0.43089392	2.50e-02	0.2127359	2.46e-01	0.28179009	1.90e-02	-0.225144	3.07e-01	0.10757505	4.57e-01
ENSG0000013018	7	7142008	7142014	PLIAP1	ensembl	havana	protein_coding	0.09542102	6.32e-01	0.0774678	5.92e-01	0.0629466	7.57e-01	0.2119729	2.46e-01	0.0008046	5.17e-01	0.0262133	9.18e-01	0.0402137	7.85e-01
ENSG0000029690	12	12879316	12884939	TIGP1	ensembl	havana	protein_coding	0.02766018	0.32e-01	0.0776681	0.29e-01	0.0214449	8.47e-01	0.2119729	2.46e-01	0.0008046	5.17e-01	0.0262133	9.18e-01	0.0402137	7.85e-01
ENSG0000019370	12	12879316	12884939	SIC1A5	ensembl	havana	protein_coding	0.02766018	0.32e-01	0.0776681	0.29e-01	0.0214449	8.47e-01	0.2119729	2.46e-01	0.0008046	5.17e-01	0.0262133	9.18e-01	0.0402137	7.85e-01
ENSG0000021443	1	20127281	20127285	USO1A7	ensembl	havana	protein_coding	0.14294505	2.30e-01	0.1989584	1.66e-01	0.0989957	6.24e-01	0.2119729	2.46e-01	0.1367670	3.24e-01	0.0924292	6.65e-01	0.0200978	9.83e-01
ENSG0000025119	1	2486724	2486728	USO1A7	ensembl	havana	protein_coding	0.14294505	2.30e-01	0.1989584	1.66e-01	0.0989957	6.24e-01	0.2119729	2.46e-01	0.1367670	3.24e-01	0.0924292	6.65e-01	0.0200978	9.83e-01
ENSG0000027930	13	18297554	18298733	KMT5AP1	ensembl	havana	protein_coding	0.15295787	2.06e-01	0.1714811	2.85e-01	0.0607950	7.43e-01	0.2109927	2.46e-01	0.1278715	3.11e-01	0.0401446	5.65e-01	0.0522583	7.83e-01
ENSG0000017479	4	11214544	11219536	FAM21A4	ensembl	havana	protein_coding	0.16662202	1.48e-01	0.2668898	6.09e-01	0.1646939	4.13e-01	0.2103103	2.46e-01	0.1271633	3.95e-01	0.1477648	5.01e-01	0.0601133	9.66e-01
ENSG0000012090	1	7009574	7009600	USO1A7	ensembl	havana	protein_coding	0.16662202	1.48e-01	0.2668898	6.09e-01	0.1646939	4.13e-01	0.2103103	2.46e-01	0.1271633	3.95e-01	0.1477648	5.01e-01	0.0601133	9.66e-01
ENSG0000020394	16	878504	879777	LINC02857	ensembl	havana	lincRNA	0.00009776	4.34e-01	0.00009873	4.56e-01	0.3295793	9.31e-01	0.2000798	2.46e-01	0.3344528	3.32e-01	0.3344528	3.32e-01	0.00009776	4.34e-01
ENSG0000017683	7	10855453	10856970	THAP5	ensembl	havana	protein_coding	0.16678278	1.57e-01	0.2131925	1.17e-01	0.0842024	6.76e-01	0.2099727	2.46e-01	0.1171734	3.15e-01	0.0677319	7.99e-01	0.0000669	5.67e-01
ENSG0000012048	4	6132158	6136217	TSRM6	ensembl	havana	protein_coding	0.1688854	2.35e-01	0.2127886	1.46e-01	0.0389933	7.26e-01	0.2099727	2.46e-01	0.1367670	3.24e-01	0.0924292	6.65e-01	0.0200978	9.83e-01
ENSG0000019551	19	11559374	11619161	ZNF527	ensembl	havana	protein_coding	0.15945628	1.95e-01	0.2184052	4.77e-01	0.1099047	5.85e-01	0.2091735	2.47e-01	0.1181537	3.14e-01	0.0634534	8.94e-01	0.0019247	9.72e-01
ENSG0000027325	18	51776727	51781722	LINC01415	ensembl	havana	lincRNA	0.00897343	4.37e-01	0.1737847	2.22e-01	0.16180632	4.20e-01	0.2089784	2.47e-01	0.0603829	8.64e-01	0.1151476	6.01e-01	0.0126623	9.20e-01
ENSG0000013900	6	3687817	3692720	LAP2F2	ensembl	havana	protein_coding	0.17281733	1.13e-01	0.1519752	4.32e-01	0.06787698	3.96e-01	0.2088624	2.47e-01	0.2275765	3.60e-01	0.0842175	7.02e-01	0.0212631	8.00e-01
ENSG0000019111	10	921146	921147	LINC00713	ensembl	havana	lincRNA	0.00161201	2.97e-01	0.0000000	2.98e-01	0.2089169	3.79e-01	0.2089169	2.47e-01	0.2089169	3.79e-01	0.0000000	2.97e-01	0.0000000	2.97e-01
ENSG0000028132	7	3736279	3736294	LINC00997	ensembl	havana	lincRNA	0.0026793	8.22e-01	0.0043785	6.61e-01	0.2087789	6.43e-01	0.2087789	2.47e-01	0.0026793	8.22e-01	0.0043785	6.61e-01	0.2087789	6.43e-01
ENSG0000012474	6	4347736	4348027	ABC10	ensembl	havana	protein_coding	0.12499177	2.62e-01	0.1521788	1.81e-01	0.0956744	6.31e-01	0.2088624	2.47e-01	0.1179250	3.97e-01	0.1025136	4.65e-01	0.1162738	6.84e-01
ENSG0000024489	19	912183	914675	LME1A51	ensembl	havana	lincRNA	0.0201117	6.00e-01	0.1916081	1.78e-01	0.0217050	3.81e-01	0.2084811	2.47e-01	0.0201117	6.00e-01	0.1916081	1.78e-01	0.0217050	3.81e-01
ENSG00000264743	17	30975387	30975954	DIPK4	ensembl	havana	protein_coding	0.15249007	1.86e-01	0.2281225	1.09e-01	0.1634292	6.24e-01	0.2055137	2.47e-01	0.1267060	3.61e-01	0.0196661	6.10e-01	0.153676	7.87e-01
ENSG0000016698	10	3528982	35279821	USF2	ensembl	havana	protein_coding	0.2008913	7.98e-01	0.2436642	8.82e-01	0.2025525	8.01e-01	0.2055137	2.47e-01	0.1968197	3.54e-01	0.1842688	9.70e-01	0.0553233	7.02e-01
ENSG0000019290	1	7009574	7009600	USO1A7	ensembl	havana	protein_coding	0.16662202	1.48e-01	0.2668898	6.09e-01	0.1646939	4.13e-01	0.2103103	2.46e-01	0.1271633	3.95e-01	0.1477648	5.01e-01	0.0601133	9.66e-01
ENSG00000146311	4	99546709	99564039	FAM134D	ensembl	havana	protein_coding	0.09923869	3.91e-01	0.1068879	4.53e-01	0.0331621	8.70e-01	0.2051985	2.47e-01	0.1602598	2.22e-01	0.210984	3.34e-01	0.190328	6.00e-01
ENSG00000274044	22	1836120	18391105	YFAP2	ensembl	havana	protein_coding	0.0100993	2.72e-01	0.1407699	3.00e-01	0.2397214	2.29e-01	0.2397214	2.47e-01	0.0706154	2.47e-01	0.0706154	2.47e-01	0.0706154	2.47e-01
ENSG00000211630	2	20119716	20114007	HMPLD10	ensembl	havana	protein_coding	0.0468488	6.89e-01	0.0697207	6.33e-01	0.1716685	3.86e-01	0.2084864	2.47e-01	0.1189259	2.42e-01	0.138672	5.49e-01	0.061164	3.11e-01
ENSG0000012884	4	3133231	3133752	NUD10B	ensembl	havana	protein_coding	0.1034978	7.64e-01	0.2183863	1.31e-01	0.1831157	3.61e-01	0.2084798	2.47e-01	0.1461688	2.92e-01	0.088093	8.92e-01	0.0072001	9.00e-01
ENSG0000028650	17	4118412	4115110	RTPAP1-1	ensembl	havana	protein_coding	0.0721447	5.33e-01	0.1584483	2.86e-01	0.1046899	6.01e-01	0.2084033	2.46e-01	0.1714915	2.15e-01	0.0591555	2.46e-01	0.116344	3.11e-01
ENSG000001485	5	5619230	5619933	CLG1L1P2	ensembl	havana	protein_coding	0.0759131	6.17e-01	0.260336	6.00e-01	0.1038581	6.66e-01	0.2089169	2.46e-01	0.000919	9.95e-01	0.000919	9.95e-01	0.000919	9.95e-01
ENSG0000013790	10	4350044	4350719	CTCF4	ensembl	havana	protein_coding	0.12611208	1.92e-01	0.1698289	2.65e-01	0.0499289	7.74e-01	0.2089169	2.46e-01	0.1407736	3.96e-01	0.088093	8.92e-01	0.0072001	9.00e-01
ENSG0000021474	10	1391440	1393213	RPLP4	ensembl	havana	protein_coding	0.2251116	4.98e-01	0.2665026	6.76e-01	0.1488175	1.80e-01	0.2083175	2.46e-01	0.2067209	3.94e-01	0.041718	4.74e-01	0.0484511	8.06e-01
ENSG0000027575	19	2779341	2798484	AC006504.5	ensembl	havana	lincRNA	0.0659544	6.12e-01	0.2031702	1.55e-01	0.0657954	7.45e-01	0.2083082	2.48e-01	0.0099325	9.66e-01	0.07177	7.45e-01	0.080712	8.32e-01
ENSG0000019750	10	1121478	1121602	AC002012.3	ensembl	havana	lincRNA	0.0201117	6.00e-01	0.1916081	1.78e-01	0.0217050	3.81e-01	0.2084811	2.47e-01	0.0201117	6.00e-01	0.1916081	1.78e-01	0.0217050	3.81e-01
ENSG0000025540	10	11410085	11411800	AC022012.4	ensembl	havana	lincRNA	0.0249202	5.21e-01	0.2893847	4.55e-01	0.3020241	4.18e-01	0.2072141	2.46e-01	0.00718	9.59e-01	0.020347	5.20e-01	0.090411	8.32e-01
ENSG0000017051	19	51745172	51804110	FRS1	ensembl	havana	protein_coding	0.22650068	4.78e-01	0.2387705	9.52e-01	0.0226139	9.11e-01	0.2037798	2.48e-01	0.2454278	7.37e-01	0.1529671	4.87e-01	0.0977711	4.91e-01
ENSG0000024964	13	9066218	9066218	AC006161.1	ensembl	havana	lincRNA	0.0201117	6.00e-01	0.1916081	1.78e-01	0.0217050	3.81e-01	0.2084811	2.47e-01	0.0201117	6.00e-01	0.1916081	1.78e-01	0.0217050	3.81e-01
ENSG0000011249	9	14117356	14130518	CDS8	ensembl	havana	protein_coding	0.19013973	7.72e-01	0.1931212	4.99e-01	0.13161754	1.14e-01	0.2037798	2.48e-01	0.1824247	3.90e-01	0.0202781	9.90e-01	0.1052705	4.63e-01
ENSG0000029177	19	4155445	4155494	LINC02879	ensembl	havana	lincRNA	0.13113389	2.08e-01	0.1246667	1.15e-01	0.0672191	3.18e-01	0.2032627	2.48e-01	0.1284129	3.55e-01	0.0060509	9.77e-01	0.147263	6.00e-01
ENSG0000011312	5	16020913	16026548	TTC1	ensembl	havana	protein_coding	0.1624445	2.08e-01	0.210298	1.10e-01	0.14602797	3.99e-01	0.2084778	2.46e-01	0.2924849	3.88e-01	0.0991374	8.00e-01	0.1426359	3.23e-01
ENSG0000020924	16	20936483	20936719	LINC02879	ensembl	havana	lincRNA	0.13113389	2.08e-01	0.1246667	1.15e-01	0.0672191	3.18e-01	0.2032627	2.48e-01	0.1284129	3.55e-01	0.0060509	9.77e-01	0.147263	6.00e-01
ENSG0000027688	18	3246401	3247086	AP00323.3	ensembl	havana	lincRNA	0.1043026	9.07e-01	0.1043026	9.07e-01	0.2099738	2.48e-01	0.2099738	2.48e-01	0.2099738	2.48e-01	0.2099738	2.48e-01	0.2099738	2.48e-01
ENSG00000119303	2	9439351	9439351	CRF3	ensembl	havana	protein_coding	0.23508889	3.97e-01	0.1031776	3.43e-01	0.0628821	7.52e-01	0.2097172	2.49e-01	0.3701542	4.83e-01	0.1598846	7.66e-01	0.1024	

ENSG0000026665	1	171339299	171339999	TOP1P1	havana	processed_pseudo	0.00992934	9.36e-01	0.0564912	7.01e-01	0.1519512	4.49e-01	0.2258091	2.57e-01	0.0509035	7.15e-01	0.1073865	6.26e-01	0.1248158	9.88e-01
ENSG0000026435		18653252	18680720	ANKRD18BP	havana	transcribed_pseudo	0.0050823	7.62e-01	0.0177353	8.92e-01	0.0303633	8.81e-01	0.2579474	2.57e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000026430		4921011	4922225	ANKRD18P.1	havana	transcribed_pseudo	0.1471341	1.17e-01	0.3973419	1.27e-01	0.1319334	3.28e-01	0.2995915	1.24e-01	0.0362611	3.28e-01	0.0898118	3.90e-01	0.0356621	1.08e-01
ENSG0000019878	17	4921011	4922225	AB13	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000014364	2	21021284	21104662	CDK1	ensembl	protein_coding	0.2085738	6.90e-02	0.2248824	1.10e-01	0.0212388	9.01e-01	0.2579078	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000011594	4	14477224	14482429	CDAP1	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000026366	8	142797824	142806142	AC08814.1	havana	unprocessed_pseudo	0.1570451	1.73e-01	0.3123334	3.48e-01	0.1488898	4.59e-01	0.2560091	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000023554	9	31446488	31482865	BGAL1T1-AS1	havana	lincRNA	0.0382625	7.42e-01	0.1091046	4.51e-01	0.2438954	2.22e-01	0.2564609	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000021798	2	12360052	12360948	AC08906.1	havana	unprocessed_pseudo	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000026029	2	10326280	10349312	AC08911.1	havana	lincRNA	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000021492	4	11757512	11757674	NTF3AP1	havana	transcribed_pseudo	0.1421974	2.23e-01	0.3996664	3.65e-01	0.0790885	7.25e-01	0.2557622	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000014533	19	4832356	4836459	TM64B3	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000019899	17	1990430	19978243	AKAP10	ensembl	protein_coding	0.1193754	3.25e-01	0.3145055	3.54e-01	0.0576285	1.97e-01	0.2555766	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000018379	2	19005700	190062729	RNF1	ensembl	protein_coding	0.1584964	1.67e-01	0.3172877	2.07e-01	0.0212684	2.21e-01	0.2535585	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000018037	6	1892446	1898010	MTN2	ensembl	protein_coding	0.0648089	6.24e-01	0.1853889	1.97e-01	0.0861210	6.26e-01	0.2528793	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000019844	7	2026270	2029710	PKnox1.2	ensembl	protein_coding	0.191514	9.32e-01	0.3583997	3.18e-01	0.0385580	3.86e-01	0.2527781	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000019842	2	10961464	10961890	SOWAH	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000013172	7	17114162	17114539	AC08981.1	havana	lincRNA	0.0119792	9.18e-01	0.2435027	9.00e-01	0.0444887	8.10e-01	0.2515487	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000012529	2	1118452	11211097	AC08984.1	havana	lincRNA	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000012975	11	288313	288575	CKOR1C	ensembl	protein_coding	0.4065851	2.53e-01	0.3089951	2.01e-01	0.2621593	1.82e-01	0.2512785	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000021210	4	1222345	12251286	LINC02270	havana	lincRNA	0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG0000021699	13	12188809	121921470	AC09051.2	havana	lincRNA	0.0055212	6.34e-01	0.0172851	7.65e-01	0.2127125	3.26e-01	0.2505828	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000023441	3	18389900	18391036	PCYBP1B	havana	transcribed_pseudo	0.0737597	7.44e-01	0.0512827	7.24e-01	0.2356724	2.80e-01	0.2505828	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000014327	1	15751337	15752515	FCF15	ensembl	protein_coding	0.2022974	7.77e-01	0.3692922	2.88e-01	0.0782894	3.25e-01	0.2500170	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000019487	7	10408280	10428992	DCWV1P	ensembl	protein_coding	0.1888878	1.09e-01	0.2458488	1.44e-01	0.0401241	2.26e-01	0.2499621	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000019700	18	688881	693951	Mesemb1	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000014284	4	11847873	11851403	LRR8C3	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000018424	4	10602523	10602623	ALX1Z1.1	havana	lincRNA	0.1335361	5.18e-01	0.2409165	2.42e-01	0.122609	2.87e-01	0.2491598	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000021602	2	1903928	1904033	AC08954.1	havana	lincRNA	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000025394	8	9126156	9126233	Clorf49	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000019862	2	6445369	6446131	LIGAL2	ensembl	protein_coding	0.2384818	4.07e-01	0.3098588	2.85e-01	0.0202609	8.85e-01	0.2472524	2.60e-01	0.2173704	2.12e-01	0.0647418	8.75e-01	0.0086859	9.46e-01
ENSG0000019861	2	1181805	11820617	AC08958.1	havana	lincRNA	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000017817	1	1784119	18021786	LOC1	ensembl	protein_coding	0.2568833	2.41e-01	0.3663056	6.02e-01	0.2473454	2.77e-01	0.2462211	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000017269	11	11909603	11910831	DPAT1	ensembl	protein_coding	0.0295797	7.98e-01	0.0020823	9.98e-01	0.0000792	9.98e-01	0.2471738	2.60e-01	0.0000788	9.48e-01	0.1109144	6.47e-01	0.0557368	7.01e-01
ENSG0000020964	4	1431778	14341179	AC08964.1	havana	lincRNA	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000011532	17	39603536	39609717	NEUROD2	ensembl	protein_coding	0.0249599	8.29e-01	0.3269851	1.47e-01	0.1509162	4.34e-01	0.2462152	2.60e-01	0.1050631	4.43e-01	0.1309444	6.07e-01	0.0309386	9.15e-01
ENSG0000018759	3	1166601	1166375	LEIG1	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000024074	20	3887770	3897874	RNF1151P	ensembl	protein_coding	0.0174338	8.48e-01	0.1931862	3.38e-01	0.1871643	3.50e-01	0.2450141	2.60e-01	0.0490462	6.14e-01	0.729349	1.49e-01	0.052411	8.62e-01
ENSG0000018860	1	2847411	284952817	LOC1	ensembl	protein_coding	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000014547	2	14793096	14802104	ORC4	ensembl	protein_coding	0.0576611	6.81e-01	0.0745111	6.21e-01	0.2443786	5.26e-01	0.06197480	5.90e-01	0.09611469	9.09e-01	0.0783568	5.82e-01	0.0086859	9.46e-01
ENSG0000011140	1	6332267	6332518	FDX3	ensembl	protein_coding	0.2060924	8.23e-01	0.3181595	3.38e-01	0.0676719	7.43e-01	0.2444447	2.60e-01	0.0375947	9.10e-01	0.120821	9.03e-01	0.0973759	5.28e-01
ENSG0000014951	2	10807836	10808107	AC08957.1	havana	lincRNA	0.0095555	4.14e-04	0.3293755	2.36e-01	0.5480247	3.09e-01	0.2579191	2.58e-01	0.0420486	7.73e-01	0.178911	9.36e-01	0.0200247	1.98e-01
ENSG0000023874																				

ENSG0000013127	49289638	49325215	SLC6A16	ensembl	havana	protein_coding	0.06699999	5.80e-01	0.0665185	9.64e-01	0.4374607	2.24e-01	0.2207135	2.69e-01	0.1888108	2.22e-01	0.26405	2.19e-01	0.1242906	3.90e-01
ENSG0000025335	7	11505654	11512614	LINC01939	havana	lincRNA	0.17189897	1.15e-01	0.17189897	2.22e-01	0.1914178	2.66e-01	0.2066749	2.69e-01	0.2038174	3.90e-01	0.4884234	1.40e-01	0.0986801	5.12e-01
ENSG0000028819	16	48994170	48994514	TFR1	havana	protein_coding	0.18945170	1.15e-01	0.18945170	1.74e-01	0.1937693	2.48e-01	0.2097965	2.69e-01	0.2097965	2.48e-01	0.4884234	1.40e-01	0.0986801	5.12e-01
ENSG0000040618	16	83899162	83922266	HRF8	havana	protein_coding	0.15888583	1.68e-01	0.15888583	9.79e-01	0.2288888	2.51e-01	0.2388888	2.69e-01	0.2388888	2.51e-01	0.4884234	1.40e-01	0.0986801	5.12e-01
ENSG0000013139	17	13218441	13219395	AC08989.3	havana	lincRNA	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000017898	1	14027484	14028413	LINC01941	havana	lincRNA	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000012821	6	4289265	4289821	ECOT22	havana	protein_coding	0.29812919	9.68e-01	0.29812919	8.27e-01	0.4244067	2.80e-01	0.2048138	2.69e-01	0.2048138	2.69e-01	0.2048138	2.69e-01	0.2048138	2.69e-01
ENSG0000013048	2	24620102	246210052	OR5S1P	havana	unifunc_pseudogen	0.1144673	3.22e-01	0.1144673	9.29e-01	0.2092526	6.46e-01	0.2204949	2.69e-01	0.1399767	3.13e-01	0.0909102	6.83e-01	0.0888004	4.98e-01
ENSG0000013079	1	21004599	2101206	OR5S1P.2	havana	unifunc_pseudogen	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000013950	1	15068284	15071319	XYK11	havana	protein_coding	0.1099792	3.44e-01	0.1099792	8.69e-01	0.2446589	6.69e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000014569	6	36006413	36018612	PPP1R3	havana	protein_coding	0.14129912	2.20e-01	0.14129912	4.35e-01	0.2068084	7.44e-01	0.2038831	2.69e-01	0.2337718	9.04e-01	0.2039707	3.88e-01	0.1125625	4.61e-01
ENSG0000017731	28	21560039	21588869	AKO2048.2	havana	lincRNA	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000007649	11	32899311	32899316	OSER1	havana	protein_coding	0.11921138	3.02e-01	0.11921138	6.85e-01	0.2226075	6.52e-01	0.2030515	2.69e-01	0.2030515	2.69e-01	0.2030515	2.69e-01	0.2030515	2.69e-01
ENSG0000017818	20	49812713	49892242	SLC38A8	havana	protein_coding	0.16897013	1.42e-01	0.16897013	1.65e-01	0.2078953	6.95e-01	0.2030102	2.70e-01	0.2030102	2.70e-01	0.2030102	2.70e-01	0.2030102	2.70e-01
ENSG0000013174	1	17063846	17064259	AC08361.1	havana	processed_transcript	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000014690	11	3917456	3906059	STX4	havana	protein_coding	0.2395848	8.22e-01	0.2395848	1.56e-01	0.1881666	6.91e-01	0.2031564	2.70e-01	0.2031564	2.70e-01	0.2031564	2.70e-01	0.2031564	2.70e-01
ENSG0000010961	11	8326569	8335864	C7C3	havana	protein_coding	0.21267074	4.18e-01	0.21267074	1.11e-01	0.1747418	3.81e-01	0.2024070	2.70e-01	0.2024070	2.70e-01	0.2024070	2.70e-01	0.2024070	2.70e-01
ENSG0000013159	14	10445079	10445143	ENCLP1	havana	processed_transcript	0.04719314	6.48e-01	0.04719314	6.11e-01	0.3017209	1.24e-01	0.2024070	2.70e-01	0.2024070	2.70e-01	0.2024070	2.70e-01	0.2024070	2.70e-01
ENSG0000015057	12	4610049	4617007	TMR6B4	havana	protein_coding	0.26426123	1.00e-01	0.26426123	1.15e-01	0.1075914	3.92e-01	0.2018017	2.70e-01	0.2018017	2.70e-01	0.2018017	2.70e-01	0.2018017	2.70e-01
ENSG0000014374	1	22813964	22814884	GUK1	havana	protein_coding	0.09197561	4.26e-01	0.09197561	7.79e-01	0.0445263	8.25e-01	0.2015297	2.70e-01	0.0886856	6.22e-01	0.216931	3.21e-01	0.094076	7.84e-01
ENSG0000017052	7	32888172	32894131	KBTBD10	havana	protein_coding	0.2595464	2.52e-01	0.2595464	1.44e-01	0.0099712	9.84e-01	0.2015297	2.70e-01	0.2015297	2.70e-01	0.2015297	2.70e-01	0.2015297	2.70e-01
ENSG0000017511	16	8903789	8909756	COT1	havana	protein_coding	0.2395848	8.22e-01	0.2395848	1.56e-01	0.1881666	6.91e-01	0.2031564	2.70e-01	0.2031564	2.70e-01	0.2031564	2.70e-01	0.2031564	2.70e-01
ENSG0000022872	6	3176296	3176451	SAPD3	havana	protein_coding	0.0429354	7.16e-01	0.0429354	5.72e-01	0.178094	3.74e-01	0.2008469	2.70e-01	0.051427	7.12e-01	0.1543899	4.82e-01	0.087387	2.45e-01
ENSG0000017675	6	31628179	3164782	HLA-DQA1	havana	protein_coding	0.1678423	1.24e-01	0.1678423	2.53e-01	0.1512902	5.76e-01	0.2008661	2.70e-01	0.2008661	2.70e-01	0.2008661	2.70e-01	0.2008661	2.70e-01
ENSG0000010960	10	12174624	12192862	PA1C	havana	protein_coding	0.1472702	2.40e-01	0.1472702	2.53e-01	0.0994411	6.53e-01	0.2008469	2.70e-01	0.0474066	2.87e-01	0.142975	5.15e-01	0.1188989	4.13e-01
ENSG0000019910	17	4899316	4898482	SNR5	havana	protein_coding	0.1786821	1.13e-01	0.1786821	2.09e-01	0.0503701	7.93e-01	0.1999948	2.70e-01	0.2009707	1.09e-01	0.188662	6.36e-01	0.097962	8.33e-01
ENSG0000018050	4	54635741	5464678	MR4C2	havana	protein_coding	0.0662617	2.60e-01	0.0662617	2.46e-01	0.1486520	6.41e-01	0.1986514	2.70e-01	0.0431017	5.76e-01	0.0588109	6.12e-01	0.2481025	8.13e-01
ENSG0000014189	19	1092923	1092735	ZNF787	havana	transcribed_unprocessed_transcript	0.1749874	1.28e-01	0.1749874	1.30e-01	0.0442055	8.27e-01	0.1998020	2.70e-01	0.0763904	5.83e-01	0.2260244	2.92e-01	0.027051	8.57e-01
ENSG0000017580	4	6480417	6480417	LOC100281214	havana	transcribed_unprocessed_transcript	0.131972	2.96e-01	0.131972	2.96e-01	0.0442055	8.27e-01	0.1998020	2.70e-01	0.0763904	5.83e-01	0.2260244	2.92e-01	0.027051	8.57e-01
ENSG0000022644	10	3651171	3652434	NANP1F	havana	processed_transcript	0.2578906	2.06e-01	0.2578906	2.21e-01	0.1238649	5.38e-01	0.1985056	2.71e-01	0.1471231	3.91e-01	0.0931385	6.20e-01	0.0313305	9.81e-01
ENSG0000017155	1	8643736	8649003	SSXIP	havana	protein_coding	0.2289838	1.54e-01	0.2289838	1.54e-01	0.0724477	7.21e-01	0.1985113	2.71e-01	0.2448383	7.44e-01	0.0908434	6.56e-01	0.0846627	5.57e-01
ENSG0000014800	1	4289864	4289728	LINC00213	havana	lincRNA	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000017136	1	120773949	120842110	NBP2B	havana	protein_coding	0.0603939	5.99e-01	0.0603939	5.99e-01	0.1246413	3.56e-01	0.1985113	2.71e-01	0.0460209	7.41e-01	0.0467595	8.29e-01	0.0422124	7.55e-01
ENSG0000014677	10	9091296	9091287	ANKRD3	havana	protein_coding	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000020031	1	1712005	1712005	LINC00213	havana	lincRNA	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000021418	7	12124405	12122177	AC08398.2	havana	lincRNA	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000015314	11	4612310	4611716	AC08447.3	havana	lincRNA	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000014699	9	13206053	13206204	IL13	havana	protein_coding	0.08922123	4.40e-01	0.08922123	6.41e-01	0.1213959	5.43e-01	0.2049082	2.69e-01	0.1067777	5.27e-01	0.0246465	8.47e-01	0.0807545	5.78e-01
ENSG0000010444	12	12927089	12924217	ZNF623	havana	protein_coding	0.2494983	2.06e-01	0.2494983	2.06e-01	0.1191314	2.71e-01	0.1985113	2.71e-01	0.1985113	2.71e-01	0.1985113	2.71e-01	0.1985113	2.71e-01
ENSG0000014817	19	6887865	6884049	ADGRE1	havana	protein_coding	0.1034937	7.86e-01	0.1034937	4.86e-01	0.2368725	2.56e-01	0.1930313	2.72e-01	0.0656795	6.54e-01	0.1632211	4.80e-01	0.0480717	9.33e-01
ENSG0000013058	5	14024535	14033113	PDGFR1	havana	protein_coding	0.2167518	1.27e-01	0.2167518	1.39e-01	0.0450471	2.28e-01	0.2473213	2.74e-01	0.0920239	6.46e-01	0.0709776	6.24e-01	0.0397706	6.13e-01
ENSG0000015671	1	21004599	2101206	OR5S1P	havana	unifunc_pseudogen	0.1144673	3.22e-01	0.1144673	9.29e-01	0.2092526	6.46e-01	0.2204949	2.69e-01	0.1399767	3.13e-01	0.0909102			

Table with columns for gene ID, chromosome, coordinates, gene name, transcript name, and various numerical values. The table lists numerous genes such as SDR16C5, TATRN1, and many others, with associated genomic data and expression values.

ENSG0000010319	22	2973096	2976701	ZMAT5	ensembl	havana	protein_coding	0.52104918	2.76e-05	0.20921515	1.45e-01	0.46120082	3.55e-02	0.19321028	3.34e-01	0.30012027	2.74e-02	-0.1961278	3.70e-01	0.1418484	3.21e-01
ENSG0000010298	22	3097224	3010487	AP0BC1	ensembl	havana	protein_coding	0.09696373	3.89e-01	0.1252083	3.49e-01	0.1182812	5.57e-01	0.1931793	3.44e-01	0.1182764	3.44e-01	0.0689788	7.72e-01	0.0064029	9.66e-01
ENSG0000010211	22	3177511	3177430	CYR1	ensembl	havana	protein_coding	0.14776511	0.0000000	0.14776511	0.0000000	0.14776511	0.0000000	0.14776511	0.0000000	0.14776511	0.0000000	0.14776511	0.0000000	0.14776511	0.0000000
ENSG0000010976	7	6184092	6184961	HUG2P	ensembl	havana	protein_coding	0.27460793	1.57e-05	0.20051101	1.64e-01	0.18717601	3.50e-01	0.19316356	3.34e-01	0.19328868	3.21e-02	0.1977441	6.60e-01	0.2026508	1.64e-01
ENSG0000012912	1	8242445	8430013	HEH1	ensembl	havana	lincRNA	0.2154303	5.96e-02	0.27282853	4.90e-01	0.17023919	3.96e-01	0.19312325	3.34e-01	0.19327407	7.41e-01	0.04241254	9.13e-01	0.0762369	5.99e-01
ENSG0000017385	22	2488624	2488624	LOC101929151	ensembl	havana	antisense_intronic	0.01921298	0.0000000	0.01921298	0.0000000	0.01921298	0.0000000	0.01921298	0.0000000	0.01921298	0.0000000	0.01921298	0.0000000	0.01921298	0.0000000
ENSG0000024526	1	68474152	6849721	DEPCL1	ensembl	havana	protein_coding	0.05446619	5.14e-01	0.04912919	3.18e-01	0.19316593	3.08e-01	0.19316593	3.08e-01	0.19316593	3.08e-01	0.19316593	3.08e-01	0.19316593	3.08e-01
ENSG0000020286	6	24797335	24798817	ARM2L	ensembl	havana	protein_coding	0.15761913	1.71e-01	0.15087944	2.96e-01	0.18842327	3.66e-01	0.19306721	3.35e-01	0.19306721	3.35e-01	0.19306721	3.35e-01	0.19306721	3.35e-01
ENSG0000017621	1	24518562	24518562	LOC101929151	ensembl	havana	antisense_intronic	0.02582622	0.0000000	0.02582622	0.0000000	0.02582622	0.0000000	0.02582622	0.0000000	0.02582622	0.0000000	0.02582622	0.0000000	0.02582622	0.0000000
ENSG0000005871	4	13866578	13974045	MEG17	ensembl	havana	protein_coding	0.25493175	4.00e-05	0.25493175	4.00e-05	0.25493175	4.00e-05	0.25493175	4.00e-05	0.25493175	4.00e-05	0.25493175	4.00e-05	0.25493175	4.00e-05
ENSG0000020207	17	4862785	4863493	HOW4-AS4	ensembl	havana	lincRNA	0.0718485	5.36e-01	0.14578884	3.12e-01	0.18107076	3.99e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01
ENSG0000020483	26	6420942	6420978	RP52P2	ensembl	havana	antisense_intronic	0.0562622	0.0000000	0.0562622	0.0000000	0.0562622	0.0000000	0.0562622	0.0000000	0.0562622	0.0000000	0.0562622	0.0000000	0.0562622	0.0000000
ENSG00000208043	12	7954116	7972759	AC0056116	ensembl	havana	transcripted_unit	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000
ENSG00000201381	21	825492	825514	RP71120.7	ensembl	havana	lincRNA	0.20428614	7.47e-01	0.23804116	9.60e-01	0.05397397	7.89e-01	0.19290454	3.35e-01	0.19231765	3.43e-01	0.11222944	5.94e-01	0.00280241	5.76e-01
ENSG00000215282	15	9677205	9678132	SPYAT-AS1	ensembl	havana	antisense_intronic	0.0520948	6.53e-01	0.0679875	6.40e-01	0.1548952	4.93e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01
ENSG00000186360	26	6420942	6420978	RP52P2	ensembl	havana	transcripted_unit	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000
ENSG00000207352	5	6460461	6460476	RNU6-50P	ensembl	havana	sRNA	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01
ENSG00000102900	16	56730118	56829296	NAIP3	ensembl	havana	protein_coding	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01
ENSG00000102966	15	4129258	4129257	ENH2	ensembl	havana	protein_coding	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000
ENSG00000197165	16	28591943	28597060	SULT1A2	ensembl	havana	protein_coding	0.0032026	8.42e-01	0.1967094	1.71e-01	0.2402455	2.27e-01	0.1926712	3.61e-01	0.1118438	4.00e-01	0.02792597	7.14e-01	0.1283201	3.74e-01
ENSG00000219883	19	39389153	39389448	NIH1A56P	ensembl	havana	misc_RNA	0.14827249	1.98e-01	0.21318655	1.26e-01	0.1202681	5.50e-01	0.19268859	3.36e-01	0.13699916	3.28e-01	0.03195649	9.33e-01	0.082092	5.98e-01
ENSG00000214750	19	1228437	1228518	AC02161.2	ensembl	havana	antisense_intronic	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01
ENSG00000200284	12	7954116	7972759	AC0056116	ensembl	havana	transcripted_unit	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000
ENSG00000201381	21	825492	825514	RP71120.7	ensembl	havana	lincRNA	0.20428614	7.47e-01	0.23804116	9.60e-01	0.05397397	7.89e-01	0.19290454	3.35e-01	0.19231765	3.43e-01	0.11222944	5.94e-01	0.00280241	5.76e-01
ENSG00000215282	15	9677205	9678132	SPYAT-AS1	ensembl	havana	antisense_intronic	0.0520948	6.53e-01	0.0679875	6.40e-01	0.1548952	4.93e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01
ENSG00000186360	26	6420942	6420978	RP52P2	ensembl	havana	transcripted_unit	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000
ENSG00000207352	5	6460461	6460476	RNU6-50P	ensembl	havana	sRNA	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01
ENSG00000102900	16	56730118	56829296	NAIP3	ensembl	havana	protein_coding	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01
ENSG00000102966	15	4129258	4129257	ENH2	ensembl	havana	protein_coding	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000
ENSG00000197165	16	28591943	28597060	SULT1A2	ensembl	havana	protein_coding	0.0032026	8.42e-01	0.1967094	1.71e-01	0.2402455	2.27e-01	0.1926712	3.61e-01	0.1118438	4.00e-01	0.02792597	7.14e-01	0.1283201	3.74e-01
ENSG00000219883	19	39389153	39389448	NIH1A56P	ensembl	havana	misc_RNA	0.14827249	1.98e-01	0.21318655	1.26e-01	0.1202681	5.50e-01	0.19268859	3.36e-01	0.13699916	3.28e-01	0.03195649	9.33e-01	0.082092	5.98e-01
ENSG00000214750	19	1228437	1228518	AC02161.2	ensembl	havana	antisense_intronic	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01	0.0292182	8.01e-01
ENSG00000200284	12	7954116	7972759	AC0056116	ensembl	havana	transcripted_unit	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000
ENSG00000201381	21	825492	825514	RP71120.7	ensembl	havana	lincRNA	0.20428614	7.47e-01	0.23804116	9.60e-01	0.05397397	7.89e-01	0.19290454	3.35e-01	0.19231765	3.43e-01	0.11222944	5.94e-01	0.00280241	5.76e-01
ENSG00000215282	15	9677205	9678132	SPYAT-AS1	ensembl	havana	antisense_intronic	0.0520948	6.53e-01	0.0679875	6.40e-01	0.1548952	4.93e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01	0.19299562	3.35e-01
ENSG00000186360	26	6420942	6420978	RP52P2	ensembl	havana	transcripted_unit	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000	0.02958283	0.0000000
ENSG00000207352	5	6460461	6460476	RNU6-50P	ensembl	havana	sRNA	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01	0.1537762	1.82e-01
ENSG00000102900	16	56730118	56829296	NAIP3	ensembl	havana	protein_coding	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01	0.16310922	1.56e-01
ENSG00000102966	15	4129258	4129257	ENH2	ensembl	havana	protein_coding	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000	0.12166109	0.0000000
ENSG00000197165	16	28591943	28597060	SULT1A2	ensembl	havana	protein_coding	0.0032026	8.42e-01	0.1967094	1.71e-01	0.2402455	2.27e-01	0.1926712	3.61e-01	0.1118438	4.00e-01	0.02792597	7.14		

Table with 20 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, Gene Name, Species, Feature Type, RefSeq ID, Gene Name, Species, Feature Type, RefSeq ID, Gene Name, Species, Feature Type, RefSeq ID, Gene Name, Species, Feature Type. Contains genomic data for various genes and features.

ENSG0000020115	16	78872739	78873505	AC116601.1	havana	TEC	0.08021351	4.88E-07	0.09775466	4.99E-07	0.1864691	3.54E-07	0.18494511	3.56E-07	0.1326267	3.39E-07	0.061488	7.80E-07	0.1021146	4.80E-07	
ENSG0000021723	8	3092136	3098425	TTPP2P	transcript processed pseudogene		0.1813305	2.11E-07	0.2039889	6.13E-07	0.2994341	1.34E-07	0.1848927	3.56E-07	0.0768031	5.81E-07	0.125397	5.69E-07	0.0940857	5.15E-07	
ENSG0000020601.1	15	7447274	7447472	AC019172.1	havana	transcript processed pseudogene	0.0014734	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418
ENSG0000020607	x	7037840	7039235	AL138141.1	havana	ncRNA	0.0074661	9.49E-07	0.1558887	2.86E-07	0.0626498	7.41E-07	0.1848361	3.56E-07	0.0553588	6.91E-07	0.0988815	5.10E-07	0.0680815	7.58E-07	
ENSG0000021473	6	4301143	4301868	MRA1	transcript processed pseudogene		0.1249923	6.53E-07	0.0738813	5.90E-07	0.159245	3.44E-07	0.1848112	3.56E-07	0.1211362	3.98E-07	0.098915	2.88E-07	0.1174099	3.78E-07	
ENSG0000020996	7	60257175	60257184	IRF6T1	transcript processed pseudogene		0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418
ENSG0000011396.1	6	14827304	14855240	SASH1	transcript processed pseudogene		0.0859437	1.05E-07	0.0308822	1.76E-07	0.3896754	1.16E-07	0.1847811	3.56E-07	0.1263346	3.63E-07	0.0988215	3.11E-07	0.0779739	3.78E-07	
ENSG0000017466	18	3332327	3335448	ZNF24	transcript processed pseudogene		0.0394489	7.69E-07	0.1538805	2.84E-07	0.066886	7.44E-07	0.1847645	3.56E-07	0.0170709	8.99E-07	0.2233130	6.01E-07	0.0492837	4.74E-07	
ENSG0000020654	1	134841	135654	AC008104.1	havana	transcript processed pseudogene	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418
ENSG00000204159	2	21200434	21201388	HMG91P9	transcript processed pseudogene		0.01148667	7.98E-07	0.0351286	4.37E-07	0.175891	3.91E-07	0.1847201	3.56E-07	0.0282475	3.07E-07	0.0100504	8.70E-07	0.1144199	7.24E-07	
ENSG00000201110	10	8937875	8939215	AL833751.1	havana	ncRNA	0.0497304	6.68E-07	0.1630935	2.67E-07	0.1800577	3.69E-07	0.1847073	3.56E-07	0.1166089	4.01E-07	0.0959391	6.63E-07	0.1483148	3.01E-07	
ENSG0000020897	20	4709916	4709916	AC208661.1	havana	ncRNA	0.0009629	9.36E-07	0.2221828	9.33E-07	0.3243921	5.81E-07	0.1847201	3.56E-07	0.1889233	4.96E-07	0.122248	6.35E-07	0.0689219	9.47E-07	
ENSG0000014483	7	5274569	5306870	SLC52A4	transcript processed pseudogene		0.11968321	3.00E-07	0.1959509	1.84E-07	0.08265	6.87E-07	0.1846905	3.56E-07	0.1003712	7.07E-07	0.0739001	7.19E-07	0.0987762	3.01E-07	
ENSG00000087157	17	78738649	7842514	PCG1	transcript processed pseudogene		0.1392073	2.47E-07	0.1586443	2.70E-07	0.0555339	7.81E-07	0.1845199	3.57E-07	0.1592889	2.50E-07	0.041928	8.49E-07	0.0484811	7.88E-07	
ENSG00000178927	17	8344286	8345029	PWS1	transcript processed pseudogene		0.0807227	4.43E-07	0.1313189	3.25E-07	0.1872389	9.25E-07	0.1845002	3.57E-07	0.0981398	5.01E-07	0.0312288	8.87E-07	0.0213891	8.83E-07	
ENSG00000208117	2	20929051	20929149	SNRPB1	transcript processed pseudogene		0.0224768	5.16E-07	0.0692364	2.00E-07	0.0695958	7.80E-07	0.1845199	3.57E-07	0.2701256	8.88E-07	0.1105416	6.16E-07	0.0964871	5.65E-07	
ENSG00000214013	15	4272733	4273503	IGAC	transcript processed pseudogene		0.0851233	4.42E-07	0.1587899	2.70E-07	0.2420167	2.24E-07	0.1844791	3.57E-07	0.051905	7.90E-07	0.0607012	1.66E-07	0.1489904	3.02E-07	
ENSG00000210649	7	13620717	13608468	AC024084.1	havana	ncRNA	0.0248411	8.30E-07	0.0311363	9.81E-07	0.2814368	1.52E-07	0.1844791	3.57E-07	0.0276079	9.48E-07	0.0320786	9.88E-07	0.1297984	3.04E-07	
ENSG0000021531	7	7420976	7421360	FRS31	transcript processed pseudogene		0.0906788	4.05E-07	0.1458919	4.71E-07	0.1548911	4.41E-07	0.1844791	3.57E-07	0.1429534	1.03E-07	0.074465	8.65E-07	0.0415177	7.67E-07	
ENSG0000021466	1	215839483	215840182	LVST-AS1	transcript processed pseudogene		0.0162506	8.88E-07	0.0247049	8.76E-07	0.1216838	2.77E-07	0.1844691	3.57E-07	0.0217175	8.76E-07	0.1022828	6.42E-07	0.1511815	2.97E-07	
ENSG00000138778	4	10310549	10310845	ENPE1	transcript processed pseudogene		0.1638755	1.54E-07	0.1157794	4.23E-07	0.4021442	3.76E-07	0.1844231	3.57E-07	0.2382137	1.28E-07	0.1184865	5.90E-07	0.1199475	4.06E-07	
ENSG00000209939	11	12666915	12667187	CA11	transcript processed pseudogene		0.0009629	9.36E-07	0.2221828	9.33E-07	0.3243921	5.81E-07	0.1847201	3.56E-07	0.1889233	4.96E-07	0.122248	6.35E-07	0.0689219	9.47E-07	
ENSG00000139957	13	3240723	3242811	N4BP1	transcript processed pseudogene		0.1198930	2.99E-07	0.1973463	1.69E-07	0.0690929	7.83E-07	0.1844724	3.57E-07	0.0956649	4.91E-07	0.0671446	7.11E-07	0.0487319	9.73E-07	
ENSG0000014440	21	1759563	1761295	H8921	transcript processed pseudogene		0.098698	3.88E-07	0.1541296	2.83E-07	0.0218184	2.62E-07	0.1843804	3.57E-07	0.0379283	5.07E-07	0.1179992	5.92E-07	0.0588842	6.49E-07	
ENSG0000010174	4	18471409	1847159	AC079261.1	transcript processed pseudogene		0.0888217	4.58E-07	0.0602028	6.69E-07	0.0951536	6.97E-07	0.1842975	3.57E-07	0.1657629	2.31E-07	0.0313244	9.52E-07	0.0419354	8.98E-07	
ENSG0000014946	1	2079532	2079500	AME1	transcript processed pseudogene		0.0237408	5.88E-07	0.0607704	6.75E-07	0.0300631	9.69E-07	0.1842791	3.57E-07	0.0690234	6.89E-07	0.1329789	3.78E-07	0.1171238	3.79E-07	
ENSG00000205786	22	2899271	2901860	ZNF671.1	transcript processed pseudogene		0.1016319	2.99E-07	0.0957018	5.83E-07	0.1753641	3.81E-07	0.1842541	3.58E-07	0.0500009	7.00E-07	0.0247768	2.64E-07	0.1580456	3.96E-07	
ENSG00000214773	19	1129515	1127367	AC021013.1	transcript processed pseudogene		0.0326687	8.95E-07	0.193384	2.69E-07	0.1426764	5.84E-07	0.1841993	3.58E-07	0.0354409	7.99E-07	0.0919517	6.78E-07	0.11993	4.07E-07	
ENSG0000019881	1	588787	593876	FRS3B	transcript processed pseudogene		0.0866807	3.97E-07	0.1992629	1.82E-07	0.0692364	2.64E-07	0.1841993	3.58E-07	0.0290974	7.94E-07	0.1801274	1.53E-07	0.1302124	3.88E-07	
ENSG00000124657	6	2795724	2795818	OR2B6	transcript processed pseudogene		0.0981035	3.86E-07	0.2521233	1.21E-07	0.1392901	4.88E-07	0.1841541	3.58E-07	0.0518133	7.08E-07	0.0504483	9.80E-07	0.0900443	5.11E-07	
ENSG0000020162	20	1320710	1324367	AL136513.1	havana	TEC	0.1187197	3.04E-07	0.2450979	8.64E-07	0.1044828	6.04E-07	0.1841132	3.58E-07	0.0608019	6.62E-07	0.1198142	5.80E-07	0.1513205	9.14E-07	
ENSG0000015487	1	6424541	6403426	AC019172.1	havana	transcript processed pseudogene	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418	0.0001418
ENSG00000215574	7	27491582	2749276	AC071510.1	transcript processed pseudogene		0.1385466	2.29E-07	0.1934123	1.34E-07	0.0314231	3.44E-07	0.1841031	3.58E-07	0.1211260	3.82E-07	0.0920452	4.07E-07	0.186439	3.96E-07	
ENSG00000136096	2	21373552	21328425	SPAG16-0T	transcript processed pseudogene		0.0009914	9.58E-07	0.2344503	9.69E-07	0.0664043	7.47E-07	0.1840909	3.58E-07	0.0238368	8.64E-07	0.1346513	5.40E-07	0.1023742	8.70E-07	
ENSG00000213273	1	2091648	2091327	FRS3A	transcript processed pseudogene		0.0916822	3.97E-07	0.1992629	1.82E-07	0.0692364	2.64E-07	0.1841993	3.58E-07	0.0290974	7.94E-07	0.1801274	1.53E-07	0.1302124	3.88E-07	
ENSG00000138785	4	10568327	10589586	INTS12	transcript processed pseudogene		0.1013675	3.19E-07	0.0965655	7.32E-07	0.2137049	2.28E-07	0.1839943	3.58E-07	0.1099975	7.94E-07	0.0491263	9.80E-07	0.1180791	3.12E-07	
ENSG0000021586	4	10571314	10571803	TET1-AS1	transcript processed pseudogene		0.1124439	3.93E-07	0.0686483	6.36E-07	0.141582	4.81E-07	0.1839889	3.58E-07	0.1018318	4.34E-07	0.1223354	5.51E-07	0.150518	3.78E-07	
ENSG00000212094	13	2742489	2743523	FT3A	transcript processed pseudogene		0.1467933	1.54E-07	0.1747982	2.20E-07	0.1598023	4.53E-07	0.1839512	3.58E-07	0.1745349	2.07E-07	0.1379834	4.32E-07	0.1482016	2.30E-07	
ENSG00000214449	1	2079532	2079500	AME1	transcript processed pseudogene		0.0237408	5.88E-07	0.0607704	6.75E-07	0.0300631	9.69E-07	0.1842791	3.57E-07	0.0690234	6.89E-07	0.1329789	3.78E-07	0.1171238	3.79E-07	
ENSG0000010318	3	5410460	5423461	PHF7	transcript processed pseudogene		0.0948111	4.12E-07	0.1343934	3.52E-07	0.1045911	6.04E-07	0.1839289	3.58E-07	0.1383325	3.18E-07	0.075426	2.01E-07	0.159871	1.78E-07	
ENSG0000016795	10	11719189	11721099	KW18	transcript processed pseudogene		0.0534027	6.46E-07	0.2370936	9.74E-07	0.2504408	2.08E-07	0.1839116	3.58E-07	0.0385899	9.82E-07	0.047679	8.86E-07	0.1079252	2.93E-07	
ENSG0000019884	1	2129251	2129251	FRS3C	transcript processed pseudogene		0.0416123	9.25E-07	0.1707887	2.64E-07	0.0692364	2.64E-07	0.1841993	3.58E-07	0.0290974	7.94E-07	0.1801274</				

Table with columns for gene ID, gene name, gene symbol, gene type, gene description, and various numerical values. The table lists numerous genes such as ENG000002453, ENG000002478, ENG000002492, etc., with their corresponding symbols and descriptions.

ENSG0000017124	1	41506165	42035925	HVFP3	havana	protein_coding	0.0203697	8.06e-02	0.0995676	5.09e-01	0.3286766	9.41e-02	0.1735811	3.87e-01	0.2879175	7.48e-02	0.1077710	4.44e-01	0.2466713	8.68e-02
ENSG0000018290 <td>10</td> <td>71168119</td> <td>72424004</td> <td>FAM149B1</td> <td>ensembl</td> <td>mRNA</td> <td>0.0224768</td> <td>5.13e-01</td> <td>0.1426801</td> <td>3.82e-01</td> <td>0.3647055</td> <td>6.14e-02</td> <td>0.1793769</td> <td>3.87e-01</td> <td>0.0797512</td> <td>5.64e-01</td> <td>0.1103145</td> <td>4.37e-01</td> <td>0.2622523</td> <td>6.88e-02</td>	10	71168119	72424004	FAM149B1	ensembl	mRNA	0.0224768	5.13e-01	0.1426801	3.82e-01	0.3647055	6.14e-02	0.1793769	3.87e-01	0.0797512	5.64e-01	0.1103145	4.37e-01	0.2622523	6.88e-02
ENSG0000018296 <td>20</td> <td>16729861</td> <td>16724264</td> <td>SNRNP87</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0131423</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td>	20	16729861	16724264	SNRNP87	ensembl	protein_coding	0.0131423	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG0000017558 <td>6</td> <td>16074209</td> <td>16076790</td> <td>INPP5B1</td> <td>ensembl</td> <td>transcript_unapp</td> <td>0.0207939</td> <td>3.73e-01</td> <td>0.1600877</td> <td>2.49e-01</td> <td>0.1609948</td> <td>4.23e-01</td> <td>0.1794526</td> <td>3.87e-01</td> <td>0.0292068</td> <td>5.08e-01</td> <td>0.121945</td> <td>5.77e-01</td> <td>0.103084</td> <td>9.90e-02</td>	6	16074209	16076790	INPP5B1	ensembl	transcript_unapp	0.0207939	3.73e-01	0.1600877	2.49e-01	0.1609948	4.23e-01	0.1794526	3.87e-01	0.0292068	5.08e-01	0.121945	5.77e-01	0.103084	9.90e-02
ENSG0000017034 <td>1</td> <td>1276446</td> <td>12765297</td> <td>ITIH4</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0152764</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td>	1	1276446	12765297	ITIH4	ensembl	protein_coding	0.0152764	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG0000017481 <td>16</td> <td>73295938</td> <td>73199978</td> <td>PKDOL3</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0404043</td> <td>7.21e-01</td> <td>0.1433838</td> <td>4.76e-01</td> <td>0.1734249</td> <td>3.87e-01</td> <td>0.1255276</td> <td>3.87e-01</td> <td>0.0621446</td> <td>3.66e-01</td> <td>0.121495</td> <td>3.71e-01</td> <td>0.1634392</td> <td>8.02e-02</td>	16	73295938	73199978	PKDOL3	ensembl	protein_coding	0.0404043	7.21e-01	0.1433838	4.76e-01	0.1734249	3.87e-01	0.1255276	3.87e-01	0.0621446	3.66e-01	0.121495	3.71e-01	0.1634392	8.02e-02
ENSG0000010196 <td>22</td> <td>38468478</td> <td>38483447</td> <td>KDELR3</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0154609</td> <td>2.08e-01</td> <td>0.0727647</td> <td>6.14e-01</td> <td>0.0559269</td> <td>2.82e-01</td> <td>0.1732961</td> <td>3.87e-01</td> <td>0.0429284</td> <td>3.95e-01</td> <td>0.0952541</td> <td>6.65e-01</td> <td>0.0838357</td> <td>7.02e-02</td>	22	38468478	38483447	KDELR3	ensembl	protein_coding	0.0154609	2.08e-01	0.0727647	6.14e-01	0.0559269	2.82e-01	0.1732961	3.87e-01	0.0429284	3.95e-01	0.0952541	6.65e-01	0.0838357	7.02e-02
ENSG0000018694 <td>1</td> <td>12333329</td> <td>12335001</td> <td>ITIH4</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0152764</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td>	1	12333329	12335001	ITIH4	ensembl	protein_coding	0.0152764	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG0000016835 <td>7</td> <td>40120277</td> <td>40134627</td> <td>MLPAP</td> <td>ensembl</td> <td>protein_coding</td> <td>0.1388829</td> <td>2.29e-01</td> <td>0.1274959</td> <td>3.79e-01</td> <td>0.0527073</td> <td>7.75e-01</td> <td>0.1734883</td> <td>3.87e-01</td> <td>0.0366247</td> <td>3.71e-01</td> <td>0.0424241</td> <td>6.45e-01</td> <td>0.0952541</td> <td>8.02e-02</td>	7	40120277	40134627	MLPAP	ensembl	protein_coding	0.1388829	2.29e-01	0.1274959	3.79e-01	0.0527073	7.75e-01	0.1734883	3.87e-01	0.0366247	3.71e-01	0.0424241	6.45e-01	0.0952541	8.02e-02
ENSG0000019480 <td>14</td> <td>10668367</td> <td>10668786</td> <td>RNAP59B</td> <td>ensembl</td> <td>mRNA</td> <td>0.0373762</td> <td>7.71e-01</td> <td>0.1436377</td> <td>3.31e-01</td> <td>0.0129052</td> <td>8.48e-01</td> <td>0.1733604</td> <td>3.87e-01</td> <td>0.0712037</td> <td>6.08e-01</td> <td>0.051293</td> <td>8.16e-01</td> <td>0.077844</td> <td>8.48e-01</td>	14	10668367	10668786	RNAP59B	ensembl	mRNA	0.0373762	7.71e-01	0.1436377	3.31e-01	0.0129052	8.48e-01	0.1733604	3.87e-01	0.0712037	6.08e-01	0.051293	8.16e-01	0.077844	8.48e-01
ENSG0000012538 <td>20</td> <td>528287</td> <td>528416</td> <td>RNAP59B</td> <td>ensembl</td> <td>mRNA</td> <td>0.0373762</td> <td>7.71e-01</td> <td>0.1436377</td> <td>3.31e-01</td> <td>0.0129052</td> <td>8.48e-01</td> <td>0.1733604</td> <td>3.87e-01</td> <td>0.0712037</td> <td>6.08e-01</td> <td>0.051293</td> <td>8.16e-01</td> <td>0.077844</td> <td>8.48e-01</td>	20	528287	528416	RNAP59B	ensembl	mRNA	0.0373762	7.71e-01	0.1436377	3.31e-01	0.0129052	8.48e-01	0.1733604	3.87e-01	0.0712037	6.08e-01	0.051293	8.16e-01	0.077844	8.48e-01
ENSG0000015152 <td>6</td> <td>14495458</td> <td>14495444</td> <td>AC04125.2</td> <td>ensembl</td> <td>transcript_unapp</td> <td>0.0288534</td> <td>6.75e-01</td> <td>0.1085371</td> <td>2.69e-01</td> <td>0.1591831</td> <td>2.69e-01</td> <td>0.1732883</td> <td>3.87e-01</td> <td>0.0234033</td> <td>3.95e-01</td> <td>0.0264635</td> <td>6.29e-01</td> <td>0.1474455</td> <td>5.00e-02</td>	6	14495458	14495444	AC04125.2	ensembl	transcript_unapp	0.0288534	6.75e-01	0.1085371	2.69e-01	0.1591831	2.69e-01	0.1732883	3.87e-01	0.0234033	3.95e-01	0.0264635	6.29e-01	0.1474455	5.00e-02
ENSG0000012838 <td>12</td> <td>10155492</td> <td>10162414</td> <td>AC07907.2</td> <td>ensembl</td> <td>transcript_unapp</td> <td>0.0741789</td> <td>5.21e-01</td> <td>0.1436377</td> <td>3.31e-01</td> <td>0.1302839</td> <td>4.88e-01</td> <td>0.1732808</td> <td>3.87e-01</td> <td>0.0238149</td> <td>8.30e-01</td> <td>0.1622125</td> <td>4.60e-01</td> <td>0.1462031</td> <td>3.11e-01</td>	12	10155492	10162414	AC07907.2	ensembl	transcript_unapp	0.0741789	5.21e-01	0.1436377	3.31e-01	0.1302839	4.88e-01	0.1732808	3.87e-01	0.0238149	8.30e-01	0.1622125	4.60e-01	0.1462031	3.11e-01
ENSG0000013640 <td>7</td> <td>12721127</td> <td>12722927</td> <td>GRM8A51</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0224802</td> <td>8.46e-01</td> <td>0.1436377</td> <td>3.31e-01</td> <td>0.1708883</td> <td>3.74e-01</td> <td>0.1732481</td> <td>3.87e-01</td> <td>0.0769862</td> <td>3.80e-01</td> <td>0.0611227</td> <td>8.35e-01</td> <td>0.0898394</td> <td>4.97e-02</td>	7	12721127	12722927	GRM8A51	ensembl	protein_coding	0.0224802	8.46e-01	0.1436377	3.31e-01	0.1708883	3.74e-01	0.1732481	3.87e-01	0.0769862	3.80e-01	0.0611227	8.35e-01	0.0898394	4.97e-02
ENSG0000010181 <td>10</td> <td>528287</td> <td>528416</td> <td>ADORA2A</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0131423</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td> <td>0.0000000</td>	10	528287	528416	ADORA2A	ensembl	protein_coding	0.0131423	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG0000014066 <td>5</td> <td>16520277</td> <td>16521756</td> <td>LINC01938</td> <td>ensembl</td> <td>transcript_unapp</td> <td>0.0413013</td> <td>7.21e-01</td> <td>0.1201821</td> <td>1.05e-01</td> <td>0.2611819</td> <td>1.87e-01</td> <td>0.1732118</td> <td>3.87e-01</td> <td>0.1340887</td> <td>3.84e-01</td> <td>0.0226817</td> <td>3.11e-01</td> <td>0.1223827</td> <td>8.00e-02</td>	5	16520277	16521756	LINC01938	ensembl	transcript_unapp	0.0413013	7.21e-01	0.1201821	1.05e-01	0.2611819	1.87e-01	0.1732118	3.87e-01	0.1340887	3.84e-01	0.0226817	3.11e-01	0.1223827	8.00e-02
ENSG0000019804 <td>19</td> <td>131760</td> <td>142902</td> <td>CDCA4</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0283742</td> <td>8.06e-01</td> <td>0.1531224</td> <td>2.81e-01</td> <td>0.0205287</td> <td>8.01e-01</td> <td>0.1732048</td> <td>3.87e-01</td> <td>0.0373755</td> <td>3.98e-01</td> <td>0.0262165</td> <td>4.54e-01</td> <td>0.0262165</td> <td>5.56e-02</td>	19	131760	142902	CDCA4	ensembl	protein_coding	0.0283742	8.06e-01	0.1531224	2.81e-01	0.0205287	8.01e-01	0.1732048	3.87e-01	0.0373755	3.98e-01	0.0262165	4.54e-01	0.0262165	5.56e-02
ENSG0000011762 <td>7</td> <td>12859325</td> <td>12863585</td> <td>CPD2</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0209607</td> <td>4.05e-01</td> <td>0.0274467</td> <td>2.05e-01</td> <td>0.0789954</td> <td>6.51e-01</td> <td>0.1732141</td> <td>3.87e-01</td> <td>0.0682462</td> <td>6.38e-01</td> <td>0.1763013</td> <td>2.02e-01</td> <td>0.11814</td> <td>1.07e-01</td>	7	12859325	12863585	CPD2	ensembl	protein_coding	0.0209607	4.05e-01	0.0274467	2.05e-01	0.0789954	6.51e-01	0.1732141	3.87e-01	0.0682462	6.38e-01	0.1763013	2.02e-01	0.11814	1.07e-01
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG0000012040 <td>1</td> <td>22774831</td> <td>22774791</td> <td>SNRPA7</td> <td>ensembl</td> <td>protein_coding</td> <td>0.0317036</td> <td>3.11e-01</td> <td>0.1205947</td> <td>1.67e-01</td> <td>0.2492201</td> <td>2.16e-01</td> <td>0.1731605</td> <td>3.87e-01</td> <td>0.0886657</td> <td>6.21e-01</td> <td>0.0925238</td> <td>6.66e-01</td> <td>0.0928878</td> <td>5.81e-02</td>	1	22774831	22774791	SNRPA7	ensembl	protein_coding	0.0317036	3.11e-01	0.1205947	1.67e-01	0.2492201	2.16e-01	0.1731605	3.87e-01	0.0886657	6.21e-01	0.0925238	6.66e-01	0.0928878	5.81e-02
ENSG000																				

ENSG0000027616	12	57730245	57732865	AC057316.2	havana	processed_pseudo	-0.138624	2.47E-01	0.04413426	7.61E-01	0.2622191	1.86E-01	0.1699923	3.97E-01	-0.1888962	1.72E-01	-0.1293134	5.56E-01	-0.2057679	1.52E-01	
ENSG0000029023 <td>18</td> <td>10140584</td> <td>10140618</td> <td>LINC02524</td> <td>havana</td> <td>lincRNA</td> <td>0.0699394</td> <td>5.98E-01</td> <td>0.13770685</td> <td>3.76E-01</td> <td>0.16730929</td> <td>4.05E-01</td> <td>0.16997121</td> <td>3.97E-01</td> <td>0.1665035</td> <td>7.38E-01</td> <td>-0.085533</td> <td>6.88E-01</td> <td>0.0282413</td> <td>8.86E-01</td>	18	10140584	10140618	LINC02524	havana	lincRNA	0.0699394	5.98E-01	0.13770685	3.76E-01	0.16730929	4.05E-01	0.16997121	3.97E-01	0.1665035	7.38E-01	-0.085533	6.88E-01	0.0282413	8.86E-01	
ENSG0000029181	18	18492704	79313800	CTNNA3-AS1	lincRNA	transcribed_unexp	0.0292488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG0000028882	1	22665640	22667507	ITPR4-IT1	havana	lincRNA	0.0628355	4.75E-01	0.0763717	6.65E-01	0.0554462	7.99E-01	0.16997121	3.97E-01	0.1665035	2.20E-01	-0.085533	6.88E-01	0.0282413	8.86E-01	
ENSG0000024281	7	6378565	6388974	AC079742.1	havana	processed_pseudo	0.2098988	6.82E-01	0.33193683	3.61E-01	0.4513728	1.81E-01	0.16997121	3.97E-01	0.1665035	4.08E-01	-0.0749830	6.24E-01	0.0292488	6.71E-01	
ENSG00000144517	17	15090713	15090717	OR6Y1-IT1	havana	processed_pseudo	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG0000028524	2	12666070	12666233	AC03474.2	havana	lincRNA	0.0139083	9.04E-01	0.1829284	2.41E-01	0.1829284	3.61E-01	0.16997121	3.97E-01	0.1665035	8.86E-01	-0.1269788	5.84E-01	-0.158812	6.51E-01	
ENSG0000013126	19	43401846	43418597	TEX01	ensembl	havana	0.0043446	9.70E-01	0.2176677	1.30E-01	0.0981457	6.26E-01	0.16997121	3.97E-01	0.1665035	6.37E-01	-0.1024446	6.36E-01	-0.1024446	6.36E-01	
ENSG0000019969	17	81218136	81220455	OR6Y1-IT1	havana	processed_pseudo	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG0000028584	12	21533300	21537788	AC01917.2	havana	processed_pseudo	0.0043446	9.70E-01	0.2176677	1.30E-01	0.0981457	6.26E-01	0.16997121	3.97E-01	0.1665035	6.37E-01	-0.1024446	6.36E-01	-0.1024446	6.36E-01	
ENSG0000015052	20	1891244	19722236	SLC44A3	ensembl	havana	0.1188780	2.99E-01	0.5152644	2.90E-01	0.1571971	4.44E-01	0.16997121	3.97E-01	0.1665035	5.54E-01	-0.279932	1.67E-01	-0.2083446	1.47E-01	
ENSG0000020293	7	15090713	15090718	OR6Y1-IT1	havana	processed_pseudo	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG0000029305	7	10794116	10794240	AC05045.1	havana	lincRNA	0.1035382	3.70E-01	0.1571971	1.44E-01	0.0101592	9.95E-01	0.16997121	3.97E-01	0.1665035	5.33E-01	-0.0959514	6.36E-01	-0.0429919	1.60E-01	
ENSG0000018901	19	3523367	3523381	SBS1	ensembl	havana	-0.0400421	7.27E-01	0.0143747	5.15E-01	0.0046658	9.68E-01	0.16997121	3.97E-01	0.1665035	0.03473	7.99E-01	-0.1426782	1.16E-01	-0.0756637	6.22E-01
ENSG0000012746	19	4560994	4564562	EMILIN2	ensembl	havana	-0.1143595	9.01E-01	0.0187765	9.00E-01	0.1446000	4.72E-01	0.16997121	3.97E-01	0.1665035	7.47E-01	-0.271824	2.10E-01	-0.2089797	1.03E-01	
ENSG0000020980	3	8988413	8986684	LOC102329	ensembl	havana	0.0689848	6.46E-01	0.2246528	3.96E-01	0.2326499	1.26E-01	0.16997121	3.97E-01	0.1665035	3.79E-01	-0.0488263	3.16E-01	-0.0767628	5.53E-01	
ENSG0000026620	22	3333540	3333578	MIR3909	mirbase	havana	0.2905144	1.04E-01	0.3039549	2.88E-01	0.3541789	6.99E-01	0.16997121	3.97E-01	0.1665035	9.57E-01	-0.0470268	1.84E-01	-0.0458387	4.44E-01	
ENSG0000025836	3	11399972	11401026	AC02899.1	havana	lincRNA	-0.0961113	4.06E-01	0.2094728	7.27E-01	0.2094728	6.40E-01	0.16997121	3.97E-01	0.1665035	1.14E-01	-0.1348035	5.40E-01	-0.1126788	3.46E-01	
ENSG00000102217	20	4217611	4218476	POLR2P	ensembl	havana	0.0788203	3.11E-01	0.1181872	4.55E-01	0.0169481	9.21E-01	0.16997121	3.97E-01	0.1665035	1.23E-01	-0.1348035	5.40E-01	-0.069091	9.62E-01	
ENSG00000251719	14	2526764	2526736	HMG20P6	havana	processed_pseudo	-0.087201	5.00E-01	0.0521296	7.16E-01	0.1587301	4.29E-01	0.16997121	3.97E-01	0.1665035	4.73E-01	-0.168465	4.00E-01	-0.1275942	3.77E-01	
ENSG0000049199	5	1786738	1779563	AC02678.3	havana	lincRNA	-0.0780250	7.53E-01	0.2419305	9.65E-01	0.1438537	4.80E-01	0.16997121	3.97E-01	0.1665035	9.79E-01	-0.1064005	6.44E-01	-0.157286	2.47E-01	
ENSG0000020924	19	4560994	4564562	EMILIN2	ensembl	havana	0.0689848	6.46E-01	0.2246528	3.96E-01	0.2326499	1.26E-01	0.16997121	3.97E-01	0.1665035	3.79E-01	-0.0488263	3.16E-01	-0.0767628	5.53E-01	
ENSG0000029305	7	10794116	10794240	AC05045.1	havana	lincRNA	0.1035382	3.70E-01	0.1571971	1.44E-01	0.0101592	9.95E-01	0.16997121	3.97E-01	0.1665035	5.33E-01	-0.0959514	6.36E-01	-0.0429919	1.60E-01	
ENSG0000018901	19	3523367	3523381	SBS1	ensembl	havana	-0.0400421	7.27E-01	0.0143747	5.15E-01	0.0046658	9.68E-01	0.16997121	3.97E-01	0.1665035	0.03473	7.99E-01	-0.1426782	1.16E-01	-0.0756637	6.22E-01
ENSG0000012746	19	4560994	4564562	EMILIN2	ensembl	havana	-0.1143595	9.01E-01	0.0187765	9.00E-01	0.1446000	4.72E-01	0.16997121	3.97E-01	0.1665035	7.47E-01	-0.271824	2.10E-01	-0.2089797	1.03E-01	
ENSG0000020980	3	8988413	8986684	LOC102329	ensembl	havana	0.0689848	6.46E-01	0.2246528	3.96E-01	0.2326499	1.26E-01	0.16997121	3.97E-01	0.1665035	3.79E-01	-0.0488263	3.16E-01	-0.0767628	5.53E-01	
ENSG0000026620	22	3333540	3333578	MIR3909	mirbase	havana	0.2905144	1.04E-01	0.3039549	2.88E-01	0.3541789	6.99E-01	0.16997121	3.97E-01	0.1665035	9.57E-01	-0.0470268	1.84E-01	-0.0458387	4.44E-01	
ENSG0000025836	3	11399972	11401026	AC02899.1	havana	lincRNA	-0.0961113	4.06E-01	0.2094728	7.27E-01	0.2094728	6.40E-01	0.16997121	3.97E-01	0.1665035	1.14E-01	-0.1348035	5.40E-01	-0.1126788	3.46E-01	
ENSG00000102217	20	4217611	4218476	POLR2P	ensembl	havana	0.0788203	3.11E-01	0.1181872	4.55E-01	0.0169481	9.21E-01	0.16997121	3.97E-01	0.1665035	1.23E-01	-0.1348035	5.40E-01	-0.069091	9.62E-01	
ENSG00000251719	14	2526764	2526736	HMG20P6	havana	processed_pseudo	-0.087201	5.00E-01	0.0521296	7.16E-01	0.1587301	4.29E-01	0.16997121	3.97E-01	0.1665035	4.73E-01	-0.168465	4.00E-01	-0.1275942	3.77E-01	
ENSG0000049199	5	1786738	1779563	AC02678.3	havana	lincRNA	-0.0780250	7.53E-01	0.2419305	9.65E-01	0.1438537	4.80E-01	0.16997121	3.97E-01	0.1665035	9.79E-01	-0.1064005	6.44E-01	-0.157286	2.47E-01	
ENSG0000020924	19	4560994	4564562	EMILIN2	ensembl	havana	0.0689848	6.46E-01	0.2246528	3.96E-01	0.2326499	1.26E-01	0.16997121	3.97E-01	0.1665035	3.79E-01	-0.0488263	3.16E-01	-0.0767628	5.53E-01	
ENSG0000029305	7	10794116	10794240	AC05045.1	havana	lincRNA	0.1035382	3.70E-01	0.1571971	1.44E-01	0.0101592	9.95E-01	0.16997121	3.97E-01	0.1665035	5.33E-01	-0.0959514	6.36E-01	-0.0429919	1.60E-01	
ENSG0000018901	19	3523367	3523381	SBS1	ensembl	havana	-0.0400421	7.27E-01	0.0143747	5.15E-01	0.0046658	9.68E-01	0.16997121	3.97E-01	0.1665035	0.03473	7.99E-01	-0.1426782	1.16E-01	-0.0756637	6.22E-01
ENSG0000012746	19	4560994	4564562	EMILIN2	ensembl	havana	-0.1143595	9.01E-01	0.0187765	9.00E-01	0.1446000	4.72E-01	0.16997121	3.97E-01	0.1665035	7.47E-01	-0.271824	2.10E-01	-0.2089797	1.03E-01	
ENSG0000020980	3	8988413	8986684	LOC102329	ensembl	havana	0.0689848	6.46E-01	0.2246528	3.96E-01	0.2326499	1.26E-01	0.16997121	3.97E-01	0.1665035	3.79E-01	-0.0488263	3.16E-01	-0.0767628	5.53E-01	
ENSG0000026620	22	3333540	3333578	MIR3909	mirbase	havana	0.2905144	1.04E-01	0.3039549	2.88E-01	0.3541789	6.99E-01	0.16997121	3.97E-01	0.1665035	9.57E-01	-0.0470268	1.84E-01	-0.0458387	4.44E-01	
ENSG0000025836	3	11399972	11401026	AC02899.1	havana	lincRNA	-0.0961113	4.06E-01	0.2094728	7.27E-01	0.2094728	6.40E-01	0.16997121	3.97E-01	0.1665035	1.14E-01	-0.1348035	5.40E-01	-0.1126788	3.46E-01	
ENSG00000102217	20	4217611	4218476	POLR2P	ensembl	havana	0.0788203	3.11E-01	0.1181872	4.55E-01	0.0169481	9.21E-01	0.16997121	3.97E-01	0.1665035	1.23E-01	-0.1348035	5.40E-01	-0.069091	9.62E-01	
ENSG00000251719	14	2526764	2526736	HMG20P6	havana	processed_pseudo	-0.087201	5.00E-01	0.0521296	7.16E-01	0.1587301	4.29E-01	0.16997121	3.97E-01	0.1665035	4.73E-01	-0.168465	4.00E-01	-0.1275942	3.77E-01	
ENSG0000049199	5	1786738	1779563	AC02678.3	havana	lincRNA	-0.0780250	7.53E-01	0.2419305	9.65E-01	0.1438537	4.80E-01	0.16997121	3.97E-01	0.1665035	9.79E-01	-0.1064005	6.44E-01	-0.157286	2.47E-01	
ENSG0000020924	19	4560994	4564562	EMILIN2	ensembl	havana	0.0689848	6.46E-01	0.2246528	3.96E-01	0.2326499	1.26E-01									

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as TMEM109, ADU1, NR3A1, and many others, with associated genomic data and values.

ENSG0000017415	8	15229742	15793819	VEP1A	ensembl	havana	protein_coding	-0.020335	8.61e-01	0.16918174	2.40e-02	0.3342931	8.81e-02	0.1627494	4.17e-01	-0.0827139	5.52e-01	-0.2157881	3.23e-01	-0.2736698	5.45e-02
ENSG0000015223	6	18474809	18480763	CFP1A1P3	ensembl	havana	processed_transcript	0.0808074	3.95e-02	0.1874979	1.91e-01	0.1796249	1.58e-01	0.1627492	4.17e-01	0.0810620	6.61e-01	0.1053017	6.12e-01	0.0647993	6.65e-01
ENSG0000015751	14	21200797	21208014	LCN6B1	ensembl	havana	protein_coding	0.0202714	8.74e-02	0.2071513	4.48e-01	0.1646139	1.27e-01	0.1646139	1.27e-01	0.0613049	5.81e-01	0.0479798	4.84e-01	0.0797864	2.56e-01
ENSG0000017349	15	2266750	22981063	CFP1	ensembl	havana	protein_coding	0.27519157	5.44e-02	0.27919304	5.77e-02	0.1626660	7.45e-01	0.1626660	4.17e-01	0.2961099	0.9770141	0.2970115	9.73e-01	0.023474	8.71e-01
ENSG0000019220	22	1717732	17179481	LCN20B8	ensembl	havana	lincRNA	0.1849353	1.07e-01	0.1810247	2.40e-01	0.1608181	6.86e-01	0.1626493	4.18e-01	0.0947171	4.98e-01	0.0613049	5.72e-01	0.0364619	8.34e-01
ENSG0000010861	19	15145879	15146428	WDR71	ensembl	havana	protein_coding	0.0202714	8.74e-02	0.2071513	4.48e-01	0.1646139	1.27e-01	0.1646139	1.27e-01	0.0613049	5.81e-01	0.0479798	4.84e-01	0.0797864	2.56e-01
ENSG0000011006	16	3108345	31089828	PRSS53	ensembl	havana	protein_coding	0.1446370	2.10e-01	0.2044945	1.54e-01	0.1627719	6.81e-01	0.1626493	4.18e-01	0.1293905	3.51e-01	0.1328977	5.62e-01	0.0466283	7.80e-01
ENSG0000020997	12	12396607	12396629	ACM8790.3	ensembl	havana	lincRNA	-0.0203445	8.94e-01	0.1362078	3.44e-02	0.2461398	2.16e-01	0.1626493	4.18e-01	0.0613049	5.81e-01	0.1328977	5.62e-01	0.0466283	7.80e-01
ENSG0000014694	19	2025107	2025208	AC02	ensembl	havana	processed_transcript	0.0202714	8.74e-02	0.2071513	4.48e-01	0.1646139	1.27e-01	0.1646139	1.27e-01	0.0613049	5.81e-01	0.0479798	4.84e-01	0.0797864	2.56e-01
ENSG0000024454	11	4497370	4497908	LCN02876	ensembl	havana	lincRNA	0.0209975	9.45e-01	0.1534502	3.48e-01	0.1625943	7.73e-01	0.1625943	7.73e-01	0.0207397	4.46e-01	0.0466283	7.80e-01	0.0466283	7.80e-01
ENSG0000025953	2	19945700	19947835	SATB2.2	ensembl	havana	lincRNA	-0.048072	6.78e-01	0.2136856	3.84e-02	0.2090818	3.15e-01	0.1625754	4.18e-01	0.1187709	3.92e-01	0.0479798	4.84e-01	0.138701	6.31e-01
ENSG0000023443	14	21200797	21208014	LCN6B1	ensembl	havana	protein_coding	0.0202714	8.74e-02	0.2071513	4.48e-01	0.1646139	1.27e-01	0.1646139	1.27e-01	0.0613049	5.81e-01	0.0479798	4.84e-01	0.0797864	2.56e-01
ENSG0000015740	21	3795573	37952658	VDYK1A	ensembl	havana	protein_coding	0.1059736	3.69e-01	0.1830831	3.95e-01	0.1666044	4.06e-01	0.1625943	4.18e-01	0.0982410	4.80e-01	0.2895148	1.82e-01	0.0568719	3.17e-01
ENSG0000012551	1	2150937	21578410	ALPI	ensembl	havana	protein_coding	0.1036632	3.10e-01	0.1714707	4.36e-01	0.1605841	6.18e-01	0.1626426	4.18e-01	0.1484470	3.84e-01	0.1784477	4.16e-01	0.1288513	3.69e-01
ENSG0000020023	22	2033139	2033320	MIR185	ensembl	havana	miRNA	-0.079073	4.94e-01	0.2124653	3.96e-02	0.1624524	4.18e-01	0.1624524	4.18e-01	0.1484470	3.84e-01	0.079073	4.16e-01	0.1457308	3.16e-01
ENSG0000024462	14	12644255	12646093	LCN0085	ensembl	havana	transcribed_unprocessed_pseudogene	0.0809500	4.27e-01	0.2107038	1.45e-01	0.1620964	3.95e-01	0.1620964	3.95e-01	0.0564113	8.01e-01	0.0466283	7.80e-01	0.0466283	7.80e-01
ENSG0000021043	5	8050000	8050006	MTRNR2.2	ensembl	havana	processed_transcript	0.0202714	8.74e-02	0.2071513	4.48e-01	0.1646139	1.27e-01	0.1646139	1.27e-01	0.0613049	5.81e-01	0.0479798	4.84e-01	0.0797864	2.56e-01
ENSG0000023275	5	12758746	12759730	AC02024.3	ensembl	havana	lincRNA	0.099042	3.91e-01	0.1701595	2.17e-01	0.1694328	8.89e-01	0.1624299	4.18e-01	0.0613049	5.81e-01	0.0282013	7.10e-01	0.2016113	1.57e-01
ENSG0000021483	5	2066466	20681193	MTC1P11	ensembl	havana	processed_transcript	0.12172014	5.10e-01	0.2072092	1.48e-01	0.1677022	7.41e-01	0.1625943	4.18e-01	0.1217078	6.10e-01	0.1683201	4.48e-01	0.0763344	5.77e-01
ENSG0000028166	15	7875210	78753373	AC02748.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.0255669	8.25e-01	0.1780853	2.44e-02	0.1838448	3.64e-01	0.1626786	4.18e-01	0.109041	4.32e-01	0.0466283	7.80e-01	0.0466283	7.80e-01
ENSG0000024985	14	5030875	50308751	AL33297.2	ensembl	havana	lincRNA	0.2738544	4.22e-02	0.1836975	2.02e-02	0.1414995	3.17e-01	0.1625698	4.18e-01	0.1757042	3.23e-01	0.1273736	6.06e-01	0.0466283	7.80e-01
ENSG0000023444	14	21200797	21208014	LCN6B1	ensembl	havana	protein_coding	0.0202714	8.74e-02	0.2071513	4.48e-01	0.1646139	1.27e-01	0.1646139	1.27e-01	0.0613049	5.81e-01	0.0479798	4.84e-01	0.0797864	2.56e-01
ENSG0000015671	1	38127809	38145524	MARX3	ensembl	havana	protein_coding	0.0252746	8.45e-01	0.0550309	7.13e-01	0.1762871	3.70e-01	0.1623100	4.19e-01	0.0766871	6.79e-01	0.0634571	7.80e-01	0.1572643	5.40e-01
ENSG0000020783	17	6081015	60811462	RTR1BP1	ensembl	havana	processed_transcript	0.0811033	4.72e-01	0.2029312	1.61e-01	0.1623144	4.19e-01	0.1623144	4.19e-01	0.0293473	8.12e-01	0.1925419	1.18e-01	0.0282471	4.72e-01
ENSG0000015946	6	7872427	7882783	TNFRM7	ensembl	havana	protein_coding	0.1232777	2.89e-01	0.1408874	4.44e-01	0.1395180	4.99e-01	0.1626822	4.19e-01	0.1607440	2.46e-01	0.0767964	8.11e-01	0.0901294	5.34e-01
ENSG0000021790	5	3829256	3838600	AC14885.2	ensembl	havana	lincRNA	0.0496987	6.89e-01	0.1318955	2.93e-01	0.1607440	2.46e-01	0.1623144	4.19e-01	0.0484816	3.99e-01	0.0282471	8.11e-01	0.0901294	5.34e-01
ENSG0000024753	6	4148483	4154661	FDXN1	ensembl	havana	lincRNA	0.0401773	2.99e-01	0.1412349	3.90e-01	0.1621177	9.52e-01	0.1621177	9.52e-01	0.0586137	3.93e-01	0.0466283	7.80e-01	0.0466283	7.80e-01
ENSG0000011714	11	2173994	2228387	ANOS2	ensembl	havana	protein_coding	0.04887026	6.88e-01	0.1814478	5.74e-02	0.1949774	3.26e-01	0.1623144	4.19e-01	0.0601588	7.78e-01	0.0267997	9.03e-01	0.0584348	7.10e-01
ENSG0000011261	12	1248476	124849281	T P RNA	ensembl	havana	lincRNA	0.1141466	3.28e-01	0.1811173	1.28e-01	0.1733441	1.68e-01	0.1623144	4.19e-01	0.0586137	3.93e-01	0.0282471	8.11e-01	0.0901294	5.34e-01
ENSG0000015983	6	4425496	44257890	MIR343	ensembl	havana	miRNA	-0.1132392	3.27e-01	0.2024781	8.77e-02	0.1620763	4.19e-01	0.1626786	4.18e-01	0.1626786	4.18e-01	0.0282471	8.11e-01	0.0584348	7.10e-01
ENSG0000013939	15	1512139	15121345	AC02024.3	ensembl	havana	lincRNA	0.0809500	4.27e-01	0.2107038	1.45e-01	0.1620964	3.95e-01	0.1620964	3.95e-01	0.0564113	8.01e-01	0.0466283	7.80e-01	0.0466283	7.80e-01
ENSG0000020012	19	5278197	52781983	MIR43	ensembl	havana	miRNA	0.1072819	3.51e-01	0.1811471	2.08e-01	0.1626812	4.07e-01	0.1626812	4.07e-01	0.0950560	2.95e-01	0.0554808	8.02e-01	0.122053	6.42e-01
ENSG0000017014	12	1230769	12344120	TUBB8	ensembl	havana	protein_coding	-0.096341	4.05e-01	0.1642620	3.09e-02	0.1901269	3.43e-01	0.1626054	4.19e-01	0.0971729	4.85e-01	0.0841139	2.16e-01	0.2899977	3.11e-01
ENSG0000020021	12	1230769	12344120	TUBB8	ensembl	havana	protein_coding	-0.096341	4.05e-01	0.1642620	3.09e-02	0.1901269	3.43e-01	0.1626054	4.19e-01	0.0971729	4.85e-01	0.0841139	2.16e-01	0.2899977	3.11e-01
ENSG0000020098	15	7278285	72781959	ADPK1	ensembl	havana	lincRNA	-0.0039483	9.98e-01	0.1754128	2.21e-01	0.1834801	3.46e-01	0.1625145	4.19e-01	0.0567785	6.29e-01	0.0466283	7.80e-01	0.0466283	7.80e-01
ENSG0000021504	22	2148441	2158142	ZNF308	ensembl	havana	protein_coding	-0.0620206	5.50e-01	0.1817287	2.12e-01	0.181786	5.55e-01	0.1619478	4.20e-01	0.1712866	2.16e-01	0.0604603	7.84e-01	0.0724609	6.08e-01
ENSG0000020345	12	2474058	2475365	AC02798.1	ensembl	havana	lincRNA	-0.09393	3.99e-01	0.1766282	2.20e-02	-0.23262	2.45e-01	0.1619478	4.20e-01	0.0719044	6.06e-01	0.0619004	8.70e-01	0.142042	3.25e-01
ENSG0000020331	12	1248476	124849281	T P RNA	ensembl	havana	lincRNA	0.1141466	3.28e-01	0.1811173	1.28e-01	0.1733441	1.68e-01	0.1623144	4.19e-01	0.0586137	3.93e-01	0.0282471	8.11e-01	0.0901294	5.34e-01
ENSG0000020420	16	1147410	11474005	AC00761.3	ensembl	havana	lincRNA	-0.0028339	9.80e-01	0.1607941	6.05e-01	0.1618029	4.20e-01	0.05632	8.67e-01	0.0789844	7.20e-01	0.1061974	2.96e-01	0.0466283	7.80e-01
ENSG0000027651	7	3531388	35317071	AC03791.1	ensembl	havana	lincRNA	-0.0028339	9.80e-01	0.1607941	6.05e-01	0.1618029	4.20e-01	0.05632	8.67e-01	0.0789844	7.20e-01	0.1061974	2.96e-01	0.0466283	7.80e-01
ENSG0000017281	19	1300177	1300177	DNASE1	ensembl	havana	protein_coding	0.0202714	8.74e-02	0.2071513	4.48e-01	0.1646139	1.27e-01	0.1646139	1.27e-01	0.0613049	5.81e-01	0.0479798	4.84e-01	0.079	

Table with columns for ID, coordinates, gene names, and various data points. The table contains multiple rows of genomic data, including gene names like APOE2B13, SIRT6, and others, along with their coordinates and associated values.

ENSG0000024611	9	66182226	66188451	A1513478.2	havana	unprocessed_pseud	0.01563608	8.93E-01	0.0464669	7.64E-01	0.1917260	3.99E-01	0.1818080	5.57E-01	0.0247436	8.59E-01	-0.163799	5.97E-01	-0.001438	9.92E-01
ENSG0000024396	6	11891147	11891722	LINC01312	havana	lincRNA	0.0118921	9.88E-01	0.1428163	3.22E-01	0.1182740	5.57E-01	0.1811708	5.57E-01	0.0600404	6.64E-01	0.0207875	6.41E-01	-0.112979	4.15E-01
ENSG0000024786	4	14034717	14032049	MRX25L	havana	transcribed_unexp	0.11410542	3.99E-01	0.1405421	6.41E-01	0.1917260	3.99E-01	0.1811708	5.57E-01	0.0600404	6.64E-01	0.0207875	6.41E-01	-0.112979	4.15E-01
ENSG0000026025	10	17228241	17227983	VIM	ensembl	protein_coding	0.10165442	3.79E-01	0.0471887	7.65E-01	0.1842752	5.58E-01	0.1810041	5.58E-01	0.0883636	7.17E-01	0.1489123	4.97E-01	-0.184021	3.48E-01
ENSG0000024470	7	6682154	66811464	RAB6F1	ensembl	protein_coding	0.0466880	7.08E-01	0.2221063	1.21E-01	0.0179394	9.31E-01	0.1798707	5.58E-01	0.3040949	6.98E-01	0.0547424	8.02E-01	0.0422525	7.76E-01
ENSG0000024079	4	14743788	14743788	SCAF4	ensembl	transcribed_unexp	0.01077832	3.51E-01	0.3900448	1.74E-01	0.0179394	9.31E-01	0.1798707	5.58E-01	0.0179394	9.31E-01	0.0179394	9.31E-01	0.0179394	9.31E-01
ENSG0000024330	8	11886149	11887488	AP00571.1	havana	lincRNA	0.04977832	7.31E-01	0.0860429	5.53E-01	0.0192004	9.45E-01	0.1788424	5.58E-01	0.0495319	6.93E-01	0.0760085	7.30E-01	0.0109235	7.40E-01
ENSG0000024938	17	7493898	7494992	OTOP3	ensembl	protein_coding	0.02025428	2.80E-01	0.0179394	9.31E-01	0.0179394	9.31E-01	0.1798707	5.58E-01	0.0609672	7.14E-01	0.0205869	3.46E-01	-0.1084107	5.49E-01
ENSG0000020091	1	14684139	14682926	OTOP3	ensembl	transcribed_unexp	0.0179394	9.31E-01	0.0179394	9.31E-01	0.0179394	9.31E-01	0.1798707	5.58E-01	0.0609672	7.14E-01	0.0205869	3.46E-01	-0.1084107	5.49E-01
ENSG0000027530	7	7538538	7538139	V RNA	ensembl	misc_RNA	0.01318227	7.88E-01	0.0360629	4.53E-01	0.1120705	7.78E-01	0.1797705	5.58E-01	0.0016235	8.99E-01	0.0990548	7.08E-01	0.0223400	8.74E-01
ENSG0000027139	22	20320739	20321203	AC00766.3	havana	lincRNA	0.0586237	6.13E-01	0.0586237	6.13E-01	0.1475178	4.64E-01	0.1780884	5.58E-01	0.0905929	5.16E-01	0.0665898	7.63E-01	-0.1173394	4.71E-01
ENSG0000021248	4	14032002	14032004	MRX25L	havana	transcribed_unexp	0.0118921	9.88E-01	0.1428163	3.22E-01	0.1182740	5.57E-01	0.1811708	5.57E-01	0.0600404	6.64E-01	0.0207875	6.41E-01	-0.112979	4.15E-01
ENSG0000021911	1	1279155	1284222	PP2R2	ensembl	protein_coding	0.0305424	8.19E-01	0.0305424	8.19E-01	0.1784858	5.58E-01	0.1810041	5.58E-01	0.0548084	6.90E-01	0.0793708	7.25E-01	0.0465035	7.37E-01
ENSG00000212259	11	8234765	8244479	CNG4A	ensembl	protein_coding	0.0397249	7.83E-01	0.1323203	2.10E-01	0.0959480	6.31E-01	0.1784200	5.58E-01	0.0111375	8.36E-01	-0.145627	5.07E-01	-0.1242306	3.99E-01
ENSG00000210490	17	10281230	10287483	FRK13	ensembl	protein_coding	0.13155187	2.54E-01	0.13155187	2.54E-01	0.0935148	8.46E-01	0.1178424	5.58E-01	0.1284434	5.55E-01	0.1189708	6.12E-01	0.0477270	7.42E-01
ENSG00000207763	12	8081331	8083249	MIR17	havana	miRNA	0.0807754	4.46E-01	0.1520614	2.96E-01	0.2533354	1.99E-01	0.1737500	5.58E-01	0.0445579	7.49E-01	0.2052676	6.90E-01	0.1484661	3.04E-01
ENSG00000211279	12	3975025	4010689	SIC1A3	ensembl	protein_coding	0.1181288	3.06E-01	0.0466697	9.74E-01	0.1700421	3.96E-01	0.1737500	5.58E-01	0.1691273	2.21E-01	0.0777263	6.91E-01	-0.0609777	7.74E-01
ENSG00000244962	1	11289512	11241149	SPRY1E2	ensembl	protein_coding	0.0130872	5.00E-01	0.1240024	1.55E-01	0.2805464	1.49E-01	0.0206368	9.44E-01	0.1138364	6.11E-01	0.0906448	5.11E-01	0.0179394	9.31E-01
ENSG00000218298	1	15025751	15026578	CA14	ensembl	protein_coding	0.2300301	4.42E-01	0.1815501	2.07E-01	0.1785449	3.73E-01	0.1769944	5.58E-01	0.2754129	3.88E-01	0.0254631	8.01E-01	-0.073287	3.13E-01
ENSG00000246049	15	6706783	6719169	SMAD3	ensembl	protein_coding	0.1744420	1.29E-01	0.1210405	4.02E-01	0.4980586	8.18E-01	0.1769338	5.58E-01	0.1883797	1.51E-01	0.0678099	4.19E-01	0.3065233	3.05E-01
ENSG00000218663	4	8304447	8305617	COP1	ensembl	protein_coding	0.1214934	3.67E-01	0.0145591	9.20E-01	0.2080921	1.21E-01	0.1767801	5.58E-01	0.0232423	7.59E-01	0.0205347	9.48E-01	0.1356471	2.35E-01
ENSG00000230566	21	2923231	2923257	GAD6HP14	havana	processed_pseud	0.0984666	4.07E-01	0.2366225	1.07E-01	0.1845145	3.67E-01	0.1762663	5.58E-01	0.0519276	7.12E-01	-0.0999927	6.70E-01	-0.1472966	3.07E-01
ENSG00000240048	12	11539117	11531576	SIL4B	ensembl	protein_coding	0.0128801	9.11E-01	0.1497396	2.99E-01	0.079027	6.95E-01	0.1767705	5.58E-01	0.057925	6.81E-01	0.113410	7.02E-01	0.0280405	8.35E-01
ENSG00000247882	40	4739802	4737074	A018666.2	havana	lincRNA	0.0209532	8.25E-01	0.0889964	5.40E-01	0.0967021	6.41E-01	0.1789784	5.58E-01	0.0848395	6.88E-01	0.198084	5.27E-01	-0.1187861	4.12E-01
ENSG00000218013	17	2058939	2058967	MESR1	ensembl	processed_pseud	0.0093738	9.97E-01	0.0933713	3.50E-01	0.1537490	4.48E-01	0.1769886	5.58E-01	0.092422	8.38E-01	0.1153151	2.47E-01	0.0205208	8.83E-01
ENSG00000216666	2	12665613	12666667	GYPE	ensembl	protein_coding	0.0156515	4.90E-01	0.1078784	2.65E-01	0.1744443	3.84E-01	0.1757763	5.58E-01	0.0766775	8.82E-01	0.0437883	7.44E-01	0.0473234	7.44E-01
ENSG00000279999	20	3073751	3073951	AC02484.2	havana	lincRNA	0.0172893	1.34E-01	0.0912189	7.87E-01	0.2040262	3.06E-01	0.1757763	5.58E-01	0.2222488	1.06E-01	0.100242	6.17E-01	-0.1274243	2.45E-01
ENSG00000212283	1	15025751	15026578	CA14	ensembl	protein_coding	0.2300301	4.42E-01	0.1815501	2.07E-01	0.1785449	3.73E-01	0.1769944	5.58E-01	0.2754129	3.88E-01	0.0254631	8.01E-01	-0.073287	3.13E-01
ENSG00000214446	3	10616012	10622435	HTF7	ensembl	protein_coding	0.0254933	2.45E-01	0.0273305	4.02E-01	0.5984924	9.78E-01	0.1720721	5.58E-01	0.3406749	4.37E-01	0.2938992	2.71E-01	0.0417718	7.93E-01
ENSG00000208895	1	1324448	14140065	AC01746.6	havana	lincRNA	0.0130872	5.00E-01	0.1240024	1.55E-01	0.2805464	1.49E-01	0.0206368	9.44E-01	0.1138364	6.11E-01	0.0906448	5.11E-01	0.0179394	9.31E-01
ENSG00000272817	6	3124675	3124686	A168540.1	havana	lincRNA	0.0140677	2.23E-01	0.0789242	6.10E-01	0.1135585	2.81E-01	0.1749873	5.58E-01	0.212679	2.38E-01	-0.1217992	5.80E-01	-0.1713758	2.34E-01
ENSG00000219891	11	1042782	1042837	AC01746.6	havana	lincRNA	0.0130872	5.00E-01	0.1240024	1.55E-01	0.2805464	1.49E-01	0.0206368	9.44E-01	0.1138364	6.11E-01	0.0906448	5.11E-01	0.0179394	9.31E-01
ENSG00000210278	20	839447	839977	RIP50L5	ensembl	protein_coding	0.0867272	7.20E-01	0.1785212	2.35E-01	0.0700514	7.28E-01	0.1764997	5.58E-01	0.0797807	6.26E-01	0.0649317	8.37E-01	-0.0687826	3.10E-01
ENSG00000211991	9	1362474	1362523	ANKAP2	ensembl	processed_pseud	0.2918963	1.00E-01	0.1810911	1.27E-01	0.0119589	9.46E-01	0.1714011	5.60E-01	0.1312442	1.40E-01	0.0296443	8.11E-01	-0.0179396	9.02E-01
ENSG00000244854	7	756875	758912	MIR2	ensembl	protein_coding	0.0794834	5.42E-01	0.0259789	8.30E-01	0.0886540	7.34E-01	0.1742621	5.60E-01	0.1739744	2.08E-01	0.0927683	8.48E-01	0.0475205	7.43E-01
ENSG00000248490	1	8377414	8378204	ALX4P2.1	havana	transcribed_unexp	0.0179394	9.31E-01	0.0179394	9.31E-01	0.0179394	9.31E-01	0.1798707	5.58E-01	0.0609672	7.14E-01	0.0205869	3.46E-01	-0.1084107	5.49E-01
ENSG00000249500	15	4871803	4873361	RTRP2A	ensembl	processed_pseud	0.0081336	9.40E-01	0.1774803	2.48E-01	0.1148866	5.76E-01	0.1702031	5.60E-01	0.071031	6.10E-01	0.1121016	7.11E-01	-0.1414666	2.98E-01
ENSG00000210273	7	14285261	14287104	ERH6	ensembl	protein_coding	0.1838405	1.09E-01	0.1103284	4.67E-01	0.1428729	2.24E-01	0.1739816	5.60E-01	0.1838405	1.09E-01	0.109996	6.15E-01	-0.226244	1.34E-01
ENSG00000246921	1	1416636	14172947	AC01746.6	havana	lincRNA	0.0130872	5.00E-01	0.1240024	1.55E-01	0.2805464	1.49E-01	0.0206368	9.44E-01	0.1138364	6.11E-01	0.0906448	5.11E-01	0.0179394	9.31E-01
ENSG00000271588	12	10207103	10212020	NUF37	ensembl	protein_coding	0.0142360	9.02E-01	0.0842444	5.80E-01	0.0841466	6.73E-01	0.1703031	5.60E-01	0.0462862	7.29E-01	0.0943182	6.86E-01	-0.0400475	9.78E-01
ENSG00000246865	15	9095470	9096313	RC3D3	ensembl	protein_coding	0.0844213	4.65E-01	0.1530779	2.76E-01	0.2273664	2.54E-01	0.1737363	5.60E-01	0.0914466	7.98E-01	0.129236	5.67E-01	0.1009696	2.67E-01
ENSG00000239564	1	1416636	14172947	AC01746.6	havana	lincRNA	0.0130872	5.00E-01	0.1240024	1.55E-01	0.2805464	1.49E-01	0.0206368	9.44E-01	0.1138364	6.11E-01	0.0906448	5.11E-01	0.0179394	9.31E-01
ENSG0000029150																				

ENSG000002366	1	4718358	4719104	PDXP1P1	ensembl	havana	protein_coding	0.1200479	2.98E-01	0.1304717	3.66E-01	0.1121232	5.77E-01	0.1055199	6.00E-01	0.1291936	3.52E-01	0.1881208	3.65E-01	0.0090918	9.46E-01
ENSG000001100	1	1512148	1512867	CDMP2	ensembl	havana	protein_coding	0.0712931	8.82E-01	0.0802571	6.53E-01	0.2541148	1.98E-01	0.1054999	6.00E-01	0.0291786	8.84E-01	0.1027676	6.41E-01	0.1112623	2.80E-01
ENSG000001982	17	1242039	1242039	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002816	16	10008118	10008360	RADP1P1	ensembl	havana	protein_coding	0.0976694	3.98E-01	0.1062161	2.72E-01	0.1054888	4.23E-01	0.1054888	6.00E-01	0.0607726	6.80E-01	0.0452406	8.37E-01	0.0566230	7.27E-01
ENSG000004199	5	8280615	8280621	CCY11A1P1	ensembl	havana	protein_coding	0.2253757	8.39E-01	0.0999804	4.90E-01	0.15061	0.1054711	6.01E-01	0.1884058	3.84E-01	0.1038954	6.82E-01	0.0548931	7.05E-01	
ENSG000002197	1	10243957	10243957	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002625	2	10243957	10243430	CCY11A1P1	ensembl	havana	protein_coding	0.0992865	6.34E-01	0.2176742	1.89E-01	0.1550591	4.93E-01	0.1053789	6.01E-01	0.1684055	1.72E-01	0.0539755	8.66E-01	0.0728083	6.16E-01
ENSG000004982	6	13508931	13504007	Cforn6-AS1	ensembl	havana	antisense_intronic	0.0087729	5.52E-01	0.0279804	8.74E-01	0.1354807	5.06E-01	0.1053149	6.01E-01	0.0704345	6.07E-01	0.0292138	6.40E-01	0.1001201	4.00E-01
ENSG000001971	20	1552356	1552356	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000001850	20	11540767	11545714	SFOA4	ensembl	havana	protein_coding	0.0228864	8.43E-01	0.0320552	8.72E-01	0.1765408	3.78E-01	0.1052433	6.01E-01	0.0629871	7.42E-01	0.0295786	2.85E-01	0.0454371	7.07E-01
ENSG000004807	11	4332878	4332996	AC08727.2	ensembl	havana	antisense_intronic	0.0581723	6.14E-01	0.0070943	9.61E-01	0.0925559	6.36E-01	0.1052086	6.01E-01	0.1731054	2.11E-01	0.0420304	9.17E-01	0.1030436	8.34E-01
ENSG000001043	29	4926820	4926824	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000001709	17	7251416	7259940	EPS	ensembl	havana	protein_coding	0.0231475	8.42E-01	0.0339741	8.69E-01	0.1052213	3.24E-01	0.1052213	6.01E-01	0.0498624	5.80E-01	0.1386624	5.80E-01	0.0707745	8.40E-01
ENSG000002136	8	8958267	8975812	ALF17829.1	ensembl	havana	antisense_intronic	0.0470511	2.08E-01	0.0436031	7.60E-01	0.1238825	2.42E-01	0.1052173	6.02E-01	0.1242425	7.69E-01	0.1809663	4.05E-01	0.0472359	7.44E-01
ENSG0000010287	13	1502813	1502827	DLFM	ensembl	havana	protein_coding	0.1720147	1.35E-01	0.1313776	3.89E-01	0.3945275	4.17E-01	0.1051274	6.02E-01	0.1781140	1.97E-01	0.084966	7.02E-01	0.1136575	3.62E-01
ENSG000002178	29	12492611	12492617	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000001908	6	15996802	16011307	HGF2R	ensembl	havana	protein_coding	0.1084323	3.98E-01	0.1279051	3.76E-01	0.1055505	6.00E-01	0.1050714	6.02E-01	0.1320266	3.40E-01	0.181592	4.07E-01	0.180007	4.14E-01
ENSG0000020792	14	104661120	10466538	LINC02280	ensembl	havana	antisense_intronic	0.0001233	9.44E-01	0.0318994	8.08E-01	0.1998974	3.17E-01	0.1054083	6.02E-01	0.0207744	9.84E-01	0.140599	5.39E-01	0.0201279	9.93E-01
ENSG000002852	12	10131678	10131649	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002787	2	21002847	21002916	AC009738.1	ensembl	havana	antisense_intronic	0.0009347	7.88E-01	0.0518854	7.20E-01	0.1880718	3.45E-01	0.1049618	6.02E-01	0.0711215	6.01E-01	0.1577479	4.72E-01	0.1701856	2.37E-01
ENSG0000018844	2	2188893	2184319	COG7	ensembl	havana	protein_coding	0.0468227	6.96E-01	0.064893	6.51E-01	0.0693927	7.51E-01	0.104949	6.02E-01	0.0261545	8.58E-01	0.1247745	1.35E-01	0.128624	3.74E-01
ENSG000001982	29	12492611	12492617	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002629	9	19315456	19315708	VEZF1P1	ensembl	havana	protein_coding	0.0538282	6.45E-01	0.1202386	4.06E-01	0.0504240	7.84E-01	0.1049325	6.02E-01	0.0412757	7.67E-01	0.140393	4.57E-01	0.100824	4.86E-01
ENSG000002809	26	2139150	2142669	AC811P1	ensembl	havana	transcribed_unit	0.0766297	5.11E-01	0.0246110	5.10E-01	0.0246110	9.18E-01	0.1049216	6.02E-01	0.1489973	2.76E-01	0.1759446	4.22E-01	0.091654	6.33E-01
ENSG000001998	16	309498	309494	ORAS	ensembl	havana	protein_coding	0.003128	9.64E-01	0.0189369	8.96E-01	0.248637	2.84E-01	0.1048881	6.04E-01	0.0868047	5.47E-01	0.18671	3.96E-01	0.188796	1.86E-01
ENSG000001043	29	12492611	12492617	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002556	19	5485130	5490142	NLRP3	ensembl	havana	protein_coding	0.0125501	6.93E-01	0.1275501	3.74E-01	0.0787748	3.61E-01	0.1048180	6.03E-01	0.0491245	9.18E-01	0.0489984	4.97E-01	0.026621	5.22E-01
ENSG000001344	12	5571037	5572087	BLOC1S1	ensembl	havana	protein_coding	0.0201931	4.53E-01	0.2004156	1.30E-01	0.1986835	3.21E-01	0.1048084	6.03E-01	0.3963787	3.01E-01	0.10874	3.64E-01	0.023298	8.62E-01
ENSG000001476	1	9310785	9310824	AC02462.2	ensembl	havana	antisense_intronic	0.0001182	9.45E-01	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002721	1	18414309	1841328	AC13123.2	ensembl	havana	antisense_intronic	0.1532534	1.83E-01	0.1633864	2.57E-01	0.0512244	8.40E-01	0.1047669	6.03E-01	0.0578668	2.55E-01	0.048282	3.86E-01	0.0562782	9.02E-01
ENSG0000016469	2	15303120	15303200	SPR18	ensembl	havana	protein_coding	0.0444933	7.64E-01	0.0831589	5.53E-01	0.1900445	3.42E-01	0.1047019	6.04E-01	0.0657441	6.37E-01	0.120402	5.80E-01	0.1616396	2.62E-01
ENSG000002027	12	10131678	10131649	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG0000019712	10	9099938	9178569	SLIT1	ensembl	havana	protein_coding	0.0779813	5.28E-01	0.0717124	5.91E-01	0.0416208	9.34E-01	0.1047263	6.04E-01	0.1742767	2.07E-01	0.0486956	6.03E-01	0.1086956	5.49E-01
ENSG000001359	16	3101285	3102452	PCFAD1	ensembl	havana	protein_coding	0.2291807	4.50E-01	0.1691863	2.88E-01	0.0254269	9.00E-01	0.1045924	6.04E-01	0.1051145	2.48E-01	0.092521	3.75E-01	0.088319	5.88E-01
ENSG000001786	1	9121865	9121910	LOC100286148	ensembl	havana	antisense_intronic	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002962	8	12076420	10718823	FBM1	ensembl	havana	protein_coding	0.0234923	6.44E-01	0.0607554	9.66E-01	0.0628864	7.55E-01	0.1045748	6.04E-01	0.0661186	9.05E-01	0.1827519	5.90E-01	0.0923718	7.91E-01
ENSG0000023526	9	13154514	13158620	PRRT18	ensembl	havana	protein_coding	0.0791445	4.94E-01	0.0447939	7.57E-01	0.0004130	9.84E-01	0.1045052	6.04E-01	0.0789865	3.74E-01	0.1204469	6.80E-01	0.072308	6.19E-01
ENSG0000021715	12	9602523	9602771	AC00798.1	ensembl	havana	antisense_intronic	0.0457253	2.16E-01	0.1387178	3.86E-01	0.2089756	2.96E-01	0.1044588	6.04E-01	0.0792625	2.24E-01	0.027402	9.85E-01	0.0888103	5.48E-01
ENSG000001367	9	3610787	3610841	AC02462.2	ensembl	havana	antisense_intronic	0.0001928	9.39E-01	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG000002786	7	15521320	15521314	AC09952.5	ensembl	havana	antisense_intronic	0.0001307	7.87E-01	0.1449766	3.03E-01	0.1261233	2.78E-01	0.1044106	6.04E-01	0.0312743	3.90E-01	0.2905828	1.75E-01	0.1018886	5.24E-01
ENSG0000019018	15	6877745	6879562	FEI18	ensembl	havana	protein_coding	0.1346524	2.43E-01	0.1689511	2.43E-01	0.0776699	9.29E-01	0.1043828							

ENSG0000022031	6	81724722	81736353	A0U7899.2	havana	lncRNA	0.28688773	1.144e-05	0.20297288	1.576e-05	0.66245988	1.675e-04	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000028696	5	42993134	42997480	AC00887.2	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000028661	3	18173980	18175080	TR001	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000028740	1	16738939	16739080	havana	lncRNA	0.18173997	3.04e-01	0.01799177	9.01e-01	0.01020094	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	0.43973284	1.40e-01	0.43973284	1.40e-01
ENSG0000044431	2	12784533	12784533	P0J2D	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000027778	19	4240494	4240494	CP029P3	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG00000242497	19	33322391	33323003	FAM187B.2	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG00000136279	7	4404440	4404654	DBNL	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG00000130921	1	13001868	13002173	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01		
ENSG00000129226	7	7579891	7582111	CNSG	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000024968	4	8092430	8093020	AC093827.4	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000015634	3	4208281	4208280	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01		
ENSG00000200021	1	186071	827796	AL66981.3	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG00000211890	14	10558731	10558935	IG24	havana	IG_C_gene	0.1659899	1.49e-01	0.2387768	3.78e-01	0.13683161	0.1017891	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01		
ENSG0000027959	8	4794124	4794370	AC01236.1	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000019189	18	5056603	5056957	AP02	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000027975	18	1379745	1380010	AC00250.2	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000027749	15	7413116	7413168	AC02350.2	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000016660	1	7429647	7429540	CP02	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG00000250144	4	13054464	13054650	AC10693.3	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000026126	18	7455484	7456115	AC01091.1	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG00000200021	1	186071	827796	AL66981.3	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000021026	6	2287903	2288409	AC10504.1	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000019564	3	5027908	5028114	LSM2E1	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000044964	6	2891304	2894443	AC11244.1	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000024968	4	8092430	8093020	AC093827.4	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG000002730	1	1658799	1671236	CTP2	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000027984	12	3420815	3420975	DMU17	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000027861.2	1	403160	412617	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01		
ENSG0000023216	14	1047034	1047000	IGV4-3	havana	IG_V_gene	0.075763	5.10e-01	0.0177789	9.01e-01	0.0104703	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01			
ENSG0000027973	12	5059270	5059279	AC02350.2	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000027973	12	5059270	5059279	AC02350.2	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000026155	17	6893858	6894029	AC10310.4	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000026160	19	5205800	5206703	AC01448.1	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000027891	1	1218388	1218388	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01		
ENSG0000027979	7	1242446	1242546	TR10D-1	havana	TR_V_gene	0.08444	4.00e-01	0.089305	5.73e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01			
ENSG0000021049	MT	577	647	MT-17	havana	MT_rRNA	0.07026209	5.42e-01	0.16509277	2.50e-01	0.0776109	7.00e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000024967	11	6598789	6598841	AD09287.1	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000017891	3	7530021	7531537	AC05401	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000013563	8	14452373	14452912	CB082	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG0000017634	1	6142840	6143401	RP0828	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02e-07	0.16770079	4.04e-01	0.10200941	6.12e-01	0.2862335	1.58e-04	0.24277713	2.64e-01	0.43973284	1.40e-01	
ENSG000001513	1	1024944	1024944	havana	transcripted_processed	0.01514947	6.59e-07	0.14804411	3.02												

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, protein, and various numerical values. The table lists numerous genes such as UTSR, MAM3, PKR2, and many others, along with their genomic locations and associated data points.

Table with columns: ENSG accession, RefSeq ID, Gene name, Transcript type, and various numerical values. The table lists numerous genes and transcripts such as AC007748.1, AC007749.1, AC007750.1, etc., with associated numerical data.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as SLC11A1, SLC11A2, SLC11A3, etc., with their corresponding genomic data.

ENSG0000020734	13	9948662	9949926	LINC01232	lincRNA	transcribed_unprocessed	0.0625926	5.89E-01	0.0641962	6.56E-01	0.0423977	8.61E-01	0.0849533	6.74E-01	0.0782007	1.74E-01	0.0206649	9.28E-01	0.0264782	8.55E-01
ENSG0000020796	16	1028041	1030784	MTCYF2P2	protein_coding	processed_transcript	0.0326083	7.78E-01	0.063018	6.77E-01	0.1202872	5.53E-01	0.0847962	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000020811	17	9394243	9394243	MTCYF2P1	transcribed_unprocessed	transcribed_unprocessed	0.0493178	6.82E-01	0.0631786	6.82E-01	0.1166346	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000020802	17	7698468	7698743	DHNP1	protein_coding	processed_transcript	0.0372486	7.77E-01	0.0313646	4.88E-01	0.1711599	9.91E-01	0.0847959	6.74E-01	0.0218164	7.57E-01	0.1251836	5.67E-01	0.0212649	9.00E-01
ENSG0000021073	20	2174753	2175188	CS1T	protein_coding	processed_transcript	0.0422488	7.13E-01	0.0408089	4.87E-01	0.182489	3.60E-01	0.0848009	6.74E-01	0.0130004	5.46E-01	0.0670734	7.83E-01	0.0218164	9.00E-01
ENSG0000020879	7	20423894	20423894	LOC101921433	protein_coding	transcribed_unprocessed	0.0297456	7.30E-01	0.0631786	6.82E-01	0.1222873	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000021705	5	5684216	5686214	AC00897.2	lincRNA	transcribed_unprocessed	0.0092926	9.79E-01	0.0408089	4.87E-01	0.0849388	3.21E-01	0.0848009	6.74E-01	0.0316715	7.03E-01	0.1233212	5.47E-01	0.0136479	3.44E-01
ENSG0000014345	4	15398317	15398338	GAB1	protein_coding	processed_transcript	0.1766714	1.24E-01	0.1213546	3.99E-01	0.2871689	1.46E-01	0.0847959	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000017485	4	1321677	1320945	LOC101921433	protein_coding	transcribed_unprocessed	0.0297456	7.30E-01	0.0631786	6.82E-01	0.1222873	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000012487	6	1087232	1088201	SCM2	protein_coding	processed_transcript	0.0570596	5.08E-01	0.0625926	5.89E-01	0.0207228	7.01E-01	0.0847959	6.74E-01	0.0217585	7.47E-01	0.1270394	5.89E-01	0.0260483	8.95E-01
ENSG00000146169	10	10157882	10158820	POLL	protein_coding	processed_transcript	0.0920483	4.06E-01	0.1853151	2.02E-01	0.0724606	7.18E-01	0.0848009	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000013511	20	1333027	1333885	LOC101921433	protein_coding	transcribed_unprocessed	0.0297456	7.30E-01	0.0631786	6.82E-01	0.1222873	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000208142	17	4897848	4705469	LRR37A7P	protein_coding	transcribed_unprocessed	0.108564	3.47E-01	0.1513759	2.98E-01	0.0576331	7.76E-01	0.0844471	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000141472	6	15136115	15139159	ZBT2	protein_coding	processed_transcript	0.1128077	3.29E-01	0.1150888	4.26E-01	0.0276728	8.91E-01	0.0846211	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000208948	6	3727021	3708964	AD05653.1	lincRNA	transcribed_unprocessed	0.0748017	5.20E-01	0.0625926	5.89E-01	0.0465111	8.18E-01	0.0846211	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000208665	3	1505484	15108076	KLRN1-AS1	lincRNA	transcribed_unprocessed	0.0464252	6.88E-01	0.0587687	6.86E-01	0.1666661	4.24E-01	0.0845516	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000121159	19	1447746	14496149	GPC1	protein_coding	processed_transcript	0.0511759	6.54E-01	0.0319905	9.78E-01	0.1917131	3.29E-01	0.0845516	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG0000012749	7	19138962	19191114	PTF3A.1	protein_coding	processed_transcript	0.0413104	9.91E-01	0.0642451	6.03E-01	0.0409925	8.01E-01	0.0845516	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000216617	13	109281973	10929760	LINC0070	lincRNA	transcribed_unprocessed	0.0809116	4.84E-01	0.044884	7.80E-01	0.0017609	9.91E-01	0.0845516	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000272390	16	7201419	7203446	AC00204.1	lincRNA	transcribed_unprocessed	0.1548008	1.79E-01	0.1082079	5.73E-01	0.0814639	6.86E-01	0.0845516	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000206138	1	4202148	4277103	LOC101921433	protein_coding	transcribed_unprocessed	0.0297456	7.30E-01	0.0631786	6.82E-01	0.1222873	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000209766	6	2701895	2702280	AL05006.1	lincRNA	transcribed_unprocessed	0.0002731	9.98E-01	0.1231726	3.87E-01	0.0231978	9.09E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000155729	2	20048958	20051974	KCTD18	protein_coding	processed_transcript	0.1012677	9.13E-01	0.0702236	6.28E-01	0.0590188	7.78E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000122942	1	3682421	3683994	RAB5C	protein_coding	processed_transcript	0.0099273	9.24E-01	0.1238989	3.71E-01	0.2949868	1.96E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000146392	15	7216158	7214892	SENF8	protein_coding	processed_transcript	0.108904	3.88E-01	0.087488	5.66E-01	0.0398189	9.25E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000202049	3	12846458	12847217	DNAAF8-AS1	lincRNA	transcribed_unprocessed	0.0097212	5.88E-01	0.0397206	5.25E-01	0.1681151	4.02E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000184887	1	1511224	1524708	INC	lincRNA	transcribed_unprocessed	0.0005922	9.65E-01	0.1355786	2.87E-01	0.157830	4.31E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000016681	4	4849397	4849373	KIF13B	protein_coding	processed_transcript	0.1417182	1.26E-01	0.114182	1.26E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01	0.0260483	8.95E-01
ENSG00000118193	1	20051497	200620751	KIF14	protein_coding	processed_transcript	0.1327275	2.51E-01	0.138144	3.31E-01	0.0446561	6.74E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000007008	4	8366282	8400723	AC03	protein_coding	processed_transcript	0.0252738	8.24E-01	0.062889	9.71E-01	0.0214784	9.15E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000012721	1	1562668	1562652	LINC01921433	protein_coding	transcribed_unprocessed	0.0297456	7.30E-01	0.0631786	6.82E-01	0.1222873	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000206923	16	253005	253147	CEP1	protein_coding	processed_transcript	0.1004421	9.29E-01	0.0211544	8.41E-01	0.1538822	4.43E-01	0.0844847	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000019477	13	4537348	4537369	SNORA31	protein_coding	processed_transcript	0.0797508	4.91E-01	0.1709321	2.77E-01	0.179111	3.80E-01	0.0842915	6.74E-01	0.0241007	8.28E-01	0.2972182	1.74E-01	0.0004313	9.78E-01
ENSG00000170413	2	7201419	7203446	AC00204.1	lincRNA	transcribed_unprocessed	0.1548008	1.79E-01	0.1082079	5.73E-01	0.0814639	6.86E-01	0.0845516	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000272817	10	9108131	9105948	AL15919.1	lincRNA	transcribed_unprocessed	0.1617496	1.06E-01	0.1612823	2.57E-01	0.2020510	3.12E-01	0.0842882	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000184876	8	2113800	21141951	REEF4	protein_coding	processed_transcript	0.1496678	2.02E-01	0.1392116	3.35E-01	0.094618	6.18E-01	0.0842882	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG0000011701	12	78480	78598	AP0B1C	protein_coding	processed_transcript	0.0282818	4.05E-01	0.1744952	2.20E-01	0.1613524	4.21E-01	0.0842915	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000201005	1	1021628	1021628	LOC101921433	protein_coding	transcribed_unprocessed	0.0297456	7.30E-01	0.0631786	6.82E-01	0.1222873	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG00000206649	4	4207949	4207488	ZNF161.2	lincRNA	transcribed_unprocessed	0.0240487	7.90E-01	0.0978761	6.91E-01	0.0065224	9.74E-01	0.0842011	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000205982	17	6477882	6477837	AC03893.3	lincRNA	transcribed_unprocessed	0.0038217	9.97E-01	0.1716881	9.30E-01	0.2639722	1.83E-01	0.0842011	6.74E-01	0.0217008	7.26E-01	0.1488281	8.70E-01	0.0218164	9.00E-01
ENSG00000206911	1	1021628	1021628	LOC101921433	protein_coding	transcribed_unprocessed	0.0297456	7.30E-01	0.0631786	6.82E-01	0.1222873	6.38E-01	0.0830777	6.74E-01	0.0266299	7.93E-01	0.140964	5.21E-01	0.0260483	8.95E-01
ENSG0000011186	12	152981	184212	WN158	protein_coding	processed_transcript	0.0701860	5.45E-01	0.071188	6.06E-01	0.1315688	3.74E-01	0.0841701	6.74E-01	0.0217008	7.26E-01	0.148828			

Gene	Transcript	Chromosome	Start	End	Strand	Feature	RefSeq	Ensembl	Ensembl ID	Ensembl Type	Ensembl Description	Ensembl Transcripts	Ensembl Protein	Ensembl Protein ID	Ensembl Protein Description	Ensembl Protein Length	Ensembl Protein Weight	Ensembl Protein Isoforms	Ensembl Protein Weight	Ensembl Protein Isoforms		
ENSG0000029327	15	52116674	52121331	+	AC02906.3	havana	ncrna	ncrna	0-0070097	9.51E-01	0.1208255	4.03E-01	0.1218802	5.45E-01	0.07872713	6.96E-01	0.0520765	7.05E-01	0.091289	6.79E-01	0.1119787	4.39E-01
ENSG0000022031	7	7419343	7419391	+	MTF3	ensembl	protein_coding	protein_coding	0.2254738	8.88E-01	0.0118049	9.28E-01	0.4349109	9.80E-01	0.7871444	6.96E-01	0.1747417	8.24E-01	0.449753	5.21E-01	0.1609929	2.64E-01
ENSG0000024961	1	1794954	1794979	+	AC02906.3	havana	ncrna	ncrna	0-0070097	9.51E-01	0.1208255	4.03E-01	0.1218802	5.45E-01	0.07872713	6.96E-01	0.0520765	7.05E-01	0.091289	6.79E-01	0.1119787	4.39E-01
ENSG0000023998	2	8924174	8924212	+	IGV2L-29	havana	IG_V_pseudogene	IG_V_pseudogene	0.0232771	8.88E-01	0.0348312	9.81E-01	0.1302668	5.17E-01	0.0789632	6.56E-01	0.0091373	9.07E-01	0.1461459	6.00E-01	0.1395620	3.64E-01
ENSG0000023072	20	2284858	2274691	+	AL31367.1	havana	ncrna	ncrna	0-1617274	2.08E-01	0.1539187	2.72E-01	0.1962548	3.27E-01	0.0784884	6.96E-01	0.2629354	5.48E-01	0.0243136	9.12E-01	0.1405658	3.30E-01
ENSG0000023984	10	8465536	8465536	+	AC02906.3	havana	ncrna	ncrna	0-0070097	9.51E-01	0.1208255	4.03E-01	0.1218802	5.45E-01	0.07872713	6.96E-01	0.0520765	7.05E-01	0.091289	6.79E-01	0.1119787	4.39E-01
ENSG0000023187	16	16455566	16455708	+	KOTL1	ensembl	protein_coding	protein_coding	0.2745553	1.53E-01	0.2082528	1.47E-01	0.0516284	9.31E-01	0.0786281	6.97E-01	0.3707366	3.66E-01	0.0885419	6.82E-01	0.0661221	6.40E-01
ENSG0000021467	5	7299920	7299764	+	AC02899.1	havana	processed_pseudo	processed_pseudo	0-0046847	9.68E-01	0.0297442	8.88E-01	0.1177888	5.76E-01	0.0786047	6.97E-01	0.0123963	9.29E-01	0.1484217	3.99E-01	0.1429718	8.22E-01
ENSG0000023521	1	2300285	2300639	+	AL5181.1	havana	ncrna	ncrna	0-0070097	9.51E-01	0.1208255	4.03E-01	0.1218802	5.45E-01	0.07872713	6.96E-01	0.0520765	7.05E-01	0.091289	6.79E-01	0.1119787	4.39E-01
ENSG0000024493	11	1859564	1859536	+	MIR428	mirbase	miRNA	miRNA	0.0374307	7.73E-01	0.0774349	4.56E-01	0.1508253	3.97E-01	0.0780523	6.97E-01	0.0007059	9.96E-01	0.1822460	9.05E-01	0.0520765	7.05E-01
ENSG0000021297	2	18995317	20008540	+	MMP1	ensembl	protein_coding	protein_coding	0.1059984	3.43E-01	0.1102223	3.01E-01	0.1535407	2.06E-01	0.0785888	6.97E-01	0.0480318	7.30E-01	0.2439094	2.64E-01	0.0234777	1.04E-01
ENSG0000023699	2	2359732	23598038	+	AC02899.1	havana	ncrna	ncrna	0-0046847	9.68E-01	0.0297442	8.88E-01	0.1177888	5.76E-01	0.0786047	6.97E-01	0.0123963	9.29E-01	0.1484217	3.99E-01	0.1429718	8.22E-01
ENSG0000023521	11	2987809	2988641	+	DOSP3	ensembl	protein_coding	protein_coding	0.0958299	9.77E-01	0.0958287	9.55E-01	0.0878146	6.63E-01	0.0785737	6.97E-01	0.0664833	6.43E-01	0.1302583	6.80E-01	0.0771812	5.00E-01
ENSG0000024817	4	5494326	5495732	+	AC11194.1	havana	transcript	transcript	0-1944204	9.05E-01	0.0688632	6.36E-01	0.2182904	2.74E-01	0.0785676	6.97E-01	0.2483464	7.05E-01	0.1557738	4.78E-01	0.1885779	1.40E-01
ENSG0000023464	1	14958385	14958464	+	PP1AC	ensembl	protein_coding	protein_coding	0.0096262	9.34E-01	0.0597753	6.81E-01	0.0784313	6.65E-01	0.0783497	6.97E-01	0.0906123	6.09E-01	0.4483553	2.60E-01	0.1198829	4.43E-01
ENSG0000021298	2	2359732	23598038	+	AC02899.1	havana	ncrna	ncrna	0-0046847	9.68E-01	0.0297442	8.88E-01	0.1177888	5.76E-01	0.0786047	6.97E-01	0.0123963	9.29E-01	0.1484217	3.99E-01	0.1429718	8.22E-01
ENSG0000021162	12	6724014	6731875	+	COPB2	ensembl	protein_coding	protein_coding	0.0312867	8.77E-01	0.0446207	7.48E-01	0.0168702	9.31E-01	0.0784837	6.97E-01	0.0287572	8.77E-01	0.0431306	6.66E-01	0.0588109	6.87E-01
ENSG0000021690	10	99697407	99697499	+	ILBAP1	ensembl	protein_coding	protein_coding	0.1112174	3.38E-01	0.1008260	4.85E-01	0.2087627	6.64E-01	0.0784574	6.97E-01	0.1504589	7.30E-01	0.4707213	5.03E-01	0.112963	4.15E-01
ENSG0000023171	7	4700952	4714907	+	AC04447.7	havana	ncrna	ncrna	0-0070097	9.51E-01	0.1208255	4.03E-01	0.1218802	5.45E-01	0.07872713	6.96E-01	0.0520765	7.05E-01	0.091289	6.79E-01	0.1119787	4.39E-01
ENSG0000021626	7	15024194	15023275	+	ACTR3	ensembl	protein_coding	protein_coding	0.0689349	5.10E-01	0.0562682	6.69E-01	0.0842429	4.78E-01	0.0781484	6.97E-01	0.0737164	8.66E-01	0.0675453	9.70E-01	0.1882125	3.47E-01
ENSG0000023426	20	1295528	1300847	+	LINC01723	ensembl	ncrna	ncrna	0-0414669	7.20E-01	0.1668972	2.42E-01	0.174727	3.76E-01	0.0784188	6.97E-01	0.1257304	3.56E-01	0.0952979	6.65E-01	0.1472887	2.01E-01
ENSG0000021208	4	1566699	15762729	+	SOX5	ensembl	protein_coding	protein_coding	0.1577638	1.71E-01	0.0470202	6.06E-01	0.0509811	7.27E-01	0.0786568	6.98E-01	0.4249348	2.67E-01	0.1209538	5.88E-01	0.0578262	3.46E-01
ENSG0000023562	11	2989863	2991344	+	AC11397.1	havana	ncrna	ncrna	0.0046838	9.56E-01	0.0510519	9.25E-01	0.2064993	3.01E-01	0.0788683	6.98E-01	0.0329538	9.26E-01	0.1030363	6.40E-01	0.1536465	2.78E-01
ENSG0000020274	19	5007012	5013180	+	LINC01471	ensembl	ncrna	ncrna	0-0773927	5.26E-01	0.1104914	4.70E-01	0.1892299	3.44E-01	0.0783479	6.98E-01	0.1407741	3.24E-01	0.0887765	6.87E-01	0.0234777	1.04E-01
ENSG0000021942	12	4848868	4853746	+	DNAJC2	ensembl	protein_coding	protein_coding	0.0772798	5.29E-01	0.1407402	3.73E-01	0.2625999	1.86E-01	0.0787701	6.98E-01	0.1404252	2.84E-01	0.0307924	6.24E-01	0.1586867	1.72E-01
ENSG0000021789	2	1056431	1056466	+	AC10479.5	havana	ncrna	ncrna	0-0326977	7.98E-01	0.0387079	8.22E-01	0.1589876	4.29E-01	0.0783976	6.98E-01	0.0033117	9.82E-01	0.0353834	9.65E-01	0.0777788	6.39E-01
ENSG0000021327	2	15817073	15845673	+	CDC148	ensembl	protein_coding	protein_coding	0.0656622	6.01E-01	0.2397751	1.07E-01	0.0782567	6.58E-01	0.0788227	6.58E-01	0.0368014	7.02E-01	0.0988222	5.55E-01	0.0788222	5.55E-01
ENSG0000021280	13	6889528	6889664	+	ZDHHC20A	ensembl	protein_coding	protein_coding	0.0881226	7.62E-01	0.0310994	8.03E-01	0.0245874	3.04E-01	0.0782429	6.98E-01	0.0444664	7.50E-01	0.148887	4.25E-01	0.107384	6.43E-01
ENSG0000021481	2	1009637	1009637	+	AC01260.4	havana	ncrna	ncrna	0.0102614	9.04E-01	0.0102614	9.04E-01	0.0102614	9.04E-01	0.0102614	9.04E-01	0.0102614	9.04E-01	0.0102614	9.04E-01	0.0102614	9.04E-01
ENSG0000023518	15	8088869	8090784	+	LINC01583	ensembl	ncrna	ncrna	0-0448827	6.73E-01	0.1547625	2.81E-01	0.1782206	2.01E-01	0.0782206	6.98E-01	0.1456736	2.93E-01	0.0757898	7.56E-01	0.1409385	2.81E-01
ENSG00000214554	2	10202414	10101812	+	FANCD3	ensembl	protein_coding	protein_coding	0.020123	8.62E-01	0.0479721	8.11E-01	0.1807787	3.68E-01	0.0781889	6.98E-01	0.0304466	8.07E-01	0.0242687	2.65E-01	0.0200825	6.94E-01
ENSG0000021651	7	8096670	8096670	+	AC01932	ensembl	ncrna	ncrna	0-0070097	9.51E-01	0.1208255	4.03E-01	0.1218802	5.45E-01	0.07872713	6.96E-01	0.0520765	7.05E-01	0.091289	6.79E-01	0.1119787	4.39E-01
ENSG0000021003	15	61851289	6206673	+	VANCL2	ensembl	protein_coding	protein_coding	0.0773382	7.47E-01	0.0690571	9.47E-01	0.0783151	6.98E-01	0.0941661	6.48E-01	0.0426881	8.88E-01	0.0905005	9.94E-01	0.0905005	9.94E-01
ENSG0000021438	17	4140612	4141175	+	KRTAP1	ensembl	unprocessed_pseudo	unprocessed_pseudo	0-1281308	2.67E-01	0.2453268	7.55E-01	0.18133	1.55E-01	0.0781329	6.98E-01	0.2006240	3.34E-01	0.164211	5.06E-01	0.1299164	1.75E-01
ENSG0000021039	1	1377398	1377398	+	LINC01738	ensembl	ncrna	ncrna	0-0317398	7.81E-01	0.0317398	7.81E-01	0.0317398	7.81E-01	0.0317398	7.81E-01	0.0317398	7.81E-01	0.0317398	7.81E-01	0.0317398	7.81E-01
ENSG0000021158	5	6988887	6990138	+	AC11392.1	havana	unprocessed_pseudo	unprocessed_pseudo	0-1753344	1.27E-01	0.0538115	1.27E-01	0.0538115	1.27E-01	0.0780951	6.99E-01	0.1480222	6.09E-01	0.0385548	6.09E-01	0.0285548	9.98E-01
ENSG0000021954	16	7144669	7145393	+	IL13L1-AS1	ensembl	ncrna	ncrna	0.0092767	5.49E-01	0.1164599	4.20E-01	0.205671	0.70E-01	0.0780836	6.99E-01	0.1219011	5.10E-01	0.1474887	2.05E-01	0.244442	8.88E-01
ENSG00000219143	7	7379942	7382093	+	OLN4	ensembl	protein_coding	protein_coding	0.1220227	2.90E-01	0.0847899	5.44E-01	0.0784527	6.33E-01	0.0780830	6.99E-01	0.1219011	1.13E-01	0.1808366	2.95E-01	0.1514339	4.65E-01
ENSG00000214025	1	8024394	8031761	+	PANX1	ensembl	protein_coding	protein_coding	0.0320917	3.99E-01	0.0882463	8.22E-01	0.0783288	6.98E-01	0.0783288	6.98E-01	0.0783288	6.98E-01	0.0783288	6.98E-01	0.0783288	6.98E-01
ENSG00000219189	4	8733615	8739138	+	HSD17B11	ensembl	protein_coding	protein_coding	0.1152638	1.28E-01	0.1											

ENSG0000020216	22	39137910	39180015	+	AI02323.2	havana	TEC	ncrna	YES	0	-0.189603	1.05e-01	-0.1129884	2.89e-02	0.2003200	3.16e-01	0.0757448	7.07e-01	-0.1934452	1.61e-01	-0.0919886	6.77e-01	-0.1412061	3.28e-01
ENSG0000021724 <td>19</td> <td>787658</td> <td>897078</td> <td>+</td> <td>IGMP4L1-AS3</td> <td>havana</td> <td>IGMP4L1-AS3</td> <td>ncrna</td> <td>YES</td> <td>0</td> <td>-0.077803</td> <td>5.01e-01</td> <td>0.1311156</td> <td>3.62e-02</td> <td>0.2844089</td> <td>1.51e-01</td> <td>0.0757448</td> <td>7.07e-01</td> <td>-0.171777</td> <td>3.99e-01</td> <td>-0.203133</td> <td>3.52e-01</td> <td>-0.226099</td> <td>1.67e-01</td>	19	787658	897078	+	IGMP4L1-AS3	havana	IGMP4L1-AS3	ncrna	YES	0	-0.077803	5.01e-01	0.1311156	3.62e-02	0.2844089	1.51e-01	0.0757448	7.07e-01	-0.171777	3.99e-01	-0.203133	3.52e-01	-0.226099	1.67e-01
ENSG0000021984	17	17231794	17231794	+	IGMP4L1-AS1P	havana	IGMP4L1-AS1P	ncrna	YES	0	0.1411614	0.000000	0.1311156	3.62e-02	0.2844089	1.51e-01	0.0757448	7.07e-01	-0.171777	3.99e-01	-0.203133	3.52e-01	-0.226099	1.67e-01
ENSG0000021958	8	8701387	8705406	+	CD43	ensembl	CD43	mRNA	YES	0	-0.050438	6.30e-01	0.050438	6.30e-01	0.050438	6.30e-01	0.0757448	7.07e-01	-0.028317	8.97e-01	-0.182135	3.97e-01	-0.070317	6.02e-01
ENSG00000219194	16	5399813	5399899	+	AC007490.1	havana	AC007490.1	ncrna	YES	0	-0.0941108	7.23e-01	0.0941108	7.23e-01	0.0941108	7.23e-01	0.0757448	7.07e-01	-0.0884989	5.32e-01	-0.190422	3.85e-01	-0.0776208	5.92e-01
ENSG00000218457	7	74044696	74044696	+	CD44	ensembl	CD44	mRNA	YES	0	-0.0406478	4.44e-01	0.0406478	4.44e-01	0.0406478	4.44e-01	0.0757448	7.07e-01	-0.0796128	4.15e-01	-0.172061	3.55e-01	-0.185427	7.44e-01
ENSG00000218166	20	5440888	5440815	+	LINC0446.1	havana	LINC0446.1	ncrna	YES	0	-0.0941108	7.23e-01	0.0941108	7.23e-01	0.0941108	7.23e-01	0.0757448	7.07e-01	-0.0884989	5.32e-01	-0.190422	3.85e-01	-0.0776208	5.92e-01
ENSG00000217803	12	10657474	106580187	+	PIGAP1	ensembl	PIGAP1	mRNA	YES	0	-0.0906434	4.43e-01	0.0906434	4.43e-01	0.0906434	4.43e-01	0.0757448	7.07e-01	-0.0881435	6.76e-01	-0.155721	5.99e-01	-0.126914	3.83e-01
ENSG00000219340	12	12041549	12041553	+	LOC102026.1	havana	LOC102026.1	ncrna	YES	0	-0.1252232	3.56e-01	0.1252232	3.56e-01	0.1252232	3.56e-01	0.0757448	7.07e-01	-0.1152232	3.56e-01	-0.0950538	6.00e-01	-0.0748683	6.00e-01
ENSG00000218759	7	10991383	11001376	+	EGF	ensembl	EGF	mRNA	YES	0	-0.0421338	7.16e-01	0.0421338	7.16e-01	0.0421338	7.16e-01	0.0757448	7.07e-01	-0.0625423	5.82e-01	-0.242497	5.99e-01	-0.128971	3.87e-01
ENSG00000215008	11	5956028	5956283	+	LINC02739	havana	LINC02739	ncrna	YES	0	-0.0445362	7.01e-01	0.0445362	7.01e-01	0.0445362	7.01e-01	0.0757448	7.07e-01	-0.1329204	3.74e-01	-0.0312847	6.23e-01	-0.0438027	9.21e-01
ENSG00000215069	11	6087466	6087466	+	LINC02739	havana	LINC02739	ncrna	YES	0	-0.0445362	7.01e-01	0.0445362	7.01e-01	0.0445362	7.01e-01	0.0757448	7.07e-01	-0.1329204	3.74e-01	-0.0312847	6.23e-01	-0.0438027	9.21e-01
ENSG00000219393	2	6493520	6493520	+	IGALS1.DT	havana	IGALS1.DT	ncrna	YES	0	-0.0609899	6.00e-01	0.1234877	3.70e-01	0.0599149	6.75e-01	0.0757448	7.07e-01	-0.0454511	7.68e-01	-0.0649139	7.40e-01	-0.0418514	9.91e-01
ENSG00000218476	20	77083	79078	+	CD27	ensembl	CD27	mRNA	YES	0	-0.0645579	7.00e-01	0.1270788	2.32e-01	0.0425221	8.34e-01	0.0757448	7.07e-01	-0.1461283	5.91e-01	-0.1296652	5.50e-01	-0.0766448	5.50e-01
ENSG00000200393	19	2369310	2364110	+	PALB2	ensembl	PALB2	mRNA	YES	0	-0.107736	3.88e-01	0.0986707	6.25e-01	0.0986707	6.25e-01	0.0757448	7.07e-01	-0.1104004	4.21e-01	-0.0312847	8.87e-01	-0.0470646	9.07e-01
ENSG00000217391	7	7441476	7448199	+	POW1P2	ensembl	POW1P2	ncrna	YES	0	-0.0294261	7.03e-01	0.0942161	3.70e-01	0.0219629	8.91e-01	0.0757448	7.07e-01	-0.0781295	9.96e-01	-0.1276794	3.30e-01	-0.020031	5.90e-01
ENSG00000215999	12	22460519	22463914	+	AC005112.2	havana	AC005112.2	ncrna	YES	0	-0.0281483	8.08e-01	0.045348	5.98e-01	0.0249687	1.99e-01	0.0757448	7.07e-01	-0.0841592	5.44e-01	-0.0517377	9.62e-01	-0.1277306	3.86e-01
ENSG00000215999	11	6693596	6684765	+	AC00777.2	havana	AC00777.2	ncrna	YES	0	-0.0814713	4.67e-01	0.0273768	1.49e-01	0.0810334	6.81e-01	0.0757448	7.07e-01	-0.0569787	9.67e-01	-0.1688812	5.33e-01	-0.0229815	8.70e-01
ENSG00000217008	7	1310712	13107136	+	AC00718.1	havana	AC00718.1	ncrna	YES	0	-0.2928708	3.06e-01	0.0928712	5.13e-01	0.0372881	8.00e-01	0.0757448	7.07e-01	-0.1468498	9.80e-01	-0.1889718	8.98e-01	-0.1889718	1.74e-01
ENSG00000214882	2	1071210	1078510	+	ATPV1C2	ensembl	ATPV1C2	mRNA	YES	0	0.1888734	9.82e-01	0.1152525	4.25e-01	0.0849348	6.74e-01	0.0757448	7.07e-01	-0.0931044	7.88e-01	-0.058034	7.90e-01	-0.0488014	7.36e-01
ENSG00000217523	2	17148555	17159311	+	PRRC2	ensembl	PRRC2	mRNA	YES	0	-0.0528975	6.47e-01	0.1121167	3.87e-01	0.0593009	7.69e-01	0.0757448	7.07e-01	-0.2080729	1.31e-01	-0.251207	1.30e-01	-0.0714651	6.22e-01
ENSG00000216231	17	8602272	8607177	+	PRK6	ensembl	PRK6	mRNA	YES	0	-0.0150786	8.96e-01	0.0174227	7.66e-01	0.0259889	7.68e-01	0.0757448	7.07e-01	-0.1827203	1.92e-01	-0.2297131	2.74e-01	-0.131391	2.86e-01
ENSG00000228843	2	8656270	8661856	+	AC005971.1	havana	AC005971.1	ncrna	YES	0	-0.0829778	6.70e-01	0.0404405	5.75e-01	0.0559942	7.76e-01	0.0757448	7.07e-01	-0.1442595	2.88e-01	-0.0728729	7.41e-01	-0.0548809	9.05e-01
ENSG00000218290	4	12052388	12057974	+	C12orf74	ensembl	C12orf74	mRNA	YES	0	-0.0580893	6.30e-01	0.0778831	5.57e-01	0.1167884	4.31e-01	0.0757448	7.07e-01	-0.1331738	3.94e-01	-0.193477	3.77e-01	-0.0716391	7.02e-01
ENSG00000212366	7	635774	6358075	+	TNKS1P2	ensembl	TNKS1P2	mRNA	YES	0	-0.0406783	7.27e-01	0.0406783	7.27e-01	0.0406783	7.27e-01	0.0757448	7.07e-01	-0.0867474	5.98e-01	-0.104262	8.80e-01	-0.0402651	8.58e-01
ENSG00000218383	19	5313874	5317182	+	DAAP2	ensembl	DAAP2	mRNA	YES	0	0.1480077	2.25e-01	0.1212663	3.98e-01	0.0305157	8.97e-01	0.0757448	7.07e-01	-0.1898868	3.58e-01	-0.0200674	8.20e-01	-0.0469899	9.96e-01
ENSG00000216697	9	10071578	10071675	+	TM6SF3	ensembl	TM6SF3	mRNA	YES	0	-0.0602619	6.00e-01	0.1364285	2.60e-01	0.0362438	8.58e-01	0.0757448	7.07e-01	-0.0832439	5.89e-01	-0.1610247	5.88e-01	-0.0404801	7.57e-01
ENSG00000217772	20	4494230	4498027	+	TM6SF3	ensembl	TM6SF3	mRNA	YES	0	-0.1045544	3.65e-01	0.0800773	5.30e-01	0.0288383	7.93e-01	0.0757448	7.07e-01	-0.1074949	4.37e-01	-0.0814737	7.81e-01	-0.01663	9.09e-01
ENSG00000210489	11	7407457	7408414	+	PPP1R12B	ensembl	PPP1R12B	mRNA	YES	0	-0.0421454	7.16e-01	0.0909974	5.30e-01	0.0541811	1.04e-01	0.0757448	7.07e-01	-0.1121583	4.91e-01	-0.1200533	5.96e-01	-0.10467	6.00e-01
ENSG00000218561	14	6641280	6650934	+	AL319312.1	havana	AL319312.1	ncrna	YES	0	-0.0421454	7.16e-01	0.0909974	5.30e-01	0.0541811	1.04e-01	0.0757448	7.07e-01	-0.1121583	4.91e-01	-0.1200533	5.96e-01	-0.10467	6.00e-01
ENSG00000217072	7	7484374	7489610	+	STAC3L2	ensembl	STAC3L2	mRNA	YES	0	-0.0648841	5.76e-01	0.0818854	5.72e-01	0.2905147	1.24e-01	0.0757448	7.07e-01	-0.0642430	6.44e-01	-0.148402	4.99e-01	-0.0522698	7.13e-01
ENSG00000211551	2	12303373	12303387	+	HELI2	ensembl	HELI2	mRNA	YES	0	-0.0213218	2.46e-01	0.1284149	3.70e-01	0.0368129	8.40e-01	0.0757448	7.07e-01	-0.0929112	6.12e-01	-0.0814623	6.00e-01	-0.0416239	7.44e-01
ENSG00000216236	1	120565089	10864400	+	FAM102B	ensembl	FAM102B	mRNA	YES	0	-0.1214135	3.90e-01	0.1161072	2.64e-01	0.1643490	6.68e-01	0.0757448	7.07e-01	-0.0997268	6.68e-01	-0.1778959	4.88e-01	-0.0121255	9.44e-01
ENSG00000210544	18	11727660	11747554	+	RNMT	ensembl	RNMT	mRNA	YES	0	-0.0781086	4.99e-01	0.0525564	8.58e-01	0.0217933	9.10e-01	0.0757448	7.07e-01	-0.0945192	4.97e-01	-0.0623446	7.77e-01	-0.0128886	7.99e-01
ENSG00000210544	18	11727660	11747554	+	RNMT	ensembl	RNMT	mRNA	YES	0	-0.0781086	4.99e-01	0.0525564	8.58e-01	0.0217933	9.10e-01	0.0757448	7.07e-01	-0.0945192	4.97e-01	-0.0623446	7.77e-01	-0.0128886	7.99e-01
ENSG00000210544	18	11727660	11747554	+	RNMT	ensembl	RNMT	mRNA	YES	0	-0.0781086	4.99e-01	0.0525564	8.58e-01	0.0217933	9.10e-01	0.0757448	7.07e-01	-0.0945192	4.97e-01	-0.0623446	7.77e-01	-0.0128886	7.99e-01
ENSG00000210544	18	11727660	11747554	+	RNMT	ensembl	RNMT	mRNA	YES	0	-0.0781086	4.99e-01	0.0525564	8.58e-01	0.0217933	9.10e-01	0.0757448	7.07e-01	-0.0945192	4.97e-01	-0.0623446	7.77e-01	-0.0128886	7.99e-01
ENSG00000210544	18	11727660	11747554	+	RNMT	ensembl	RNMT	mRNA	YES	0	-0.0781086	4.99e-01	0.0525564	8.58e-01	0.0217933	9.10e-01	0.0757448	7.07e-01	-0.0945192	4.97e-01	-0.0623446	7.77e-01	-0.0128886	7.99e-01
ENSG00000210544	18	11727660	11747554	+	RNMT	ensembl																		

Table with columns: Gene ID, Chr, Start, End, RefSeq, Gene Name, Transcription Start Site, Strand, Feature Type, Feature Name, Feature Start, Feature End, Feature Score, Feature Type, Feature Name, Feature Start, Feature End, Feature Score. The table lists genomic features for various genes across chromosomes 1-22, X, and Y.

ENSG000002954	2	4516416	4533397	LINC0121	lincRNA	transcribed_pseudo	YES	YES	YES	-0.10178	3.78E-01	0.2455639	8.86E-02	0.1246622	5.93E-01	0.0355665	7.91E-01	-0.2442135	7.51E-02	-0.1884878	3.64E-01	-0.1279228	3.76E-01
ENSG0000018072	1	17322109	17323511	NKX2-5	antisense_intron	protein_coding	YES	YES	YES	-0.06177	4.81E-01	0.0406875	8.11E-01	0.0815988	6.86E-01	0.0334884	7.91E-01	-0.1537978	3.28E-01	-0.0712985	8.84E-01	-0.0712985	6.21E-01
ENSG0000018074	1	18044742	62037035	CDNA 3	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0172466	2.44E-01	0.0296141	7.24E-01	0.0296141	7.24E-01	0.0296141	7.24E-01	0.0296141	7.24E-01	0.0296141	7.24E-01	0.0296141	7.24E-01
ENSG00000186419	22	41621163	41664408	HNRK5	antisense_intron	protein_coding	YES	YES	YES	-0.0491828	8.99E-01	0.0187078	6.07E-01	0.0349482	5.72E-01	0.0349482	5.72E-01	0.0349482	5.72E-01	0.0349482	5.72E-01	0.0349482	5.72E-01
ENSG00000188229	1	17324127	17324707	TUBB4B	antisense_intron	protein_coding	YES	YES	YES	-0.0292803	7.33E-01	-0.045188	9.20E-01	0.3548577	4.84E-01	0.0294843	7.91E-01	0.0294843	7.91E-01	0.0294843	7.91E-01	0.0294843	7.91E-01
ENSG0000017791	1	12849163	151029386	LOC100938664	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0645979	2.45E-01	0.0645979	2.45E-01	0.0645979	2.45E-01	0.0645979	2.45E-01	0.0645979	2.45E-01	0.0645979	2.45E-01	0.0645979	2.45E-01
ENSG00000131665	2	10639120	106468413	RGD03	antisense_intron	protein_coding	YES	YES	YES	-0.1276888	2.68E-01	0.1589837	3.20E-01	0.0354003	7.91E-01	0.0354003	7.91E-01	0.0354003	7.91E-01	0.0354003	7.91E-01	0.0354003	7.91E-01
ENSG0000020377	15	8995970	89951345	AC027176.3	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0439624	7.04E-01	0.1349642	3.45E-01	0.0394074	7.91E-01	0.0394074	7.91E-01	0.0394074	7.91E-01	0.0394074	7.91E-01	0.0394074	7.91E-01
ENSG0000017091	2	17748940	17555636	RANL	antisense_intron	protein_coding	YES	YES	YES	0.0381156	7.42E-01	0.0237311	2.05E-01	0.0327655	6.52E-01	0.0327655	6.52E-01	0.0327655	6.52E-01	0.0327655	6.52E-01	0.0327655	6.52E-01
ENSG0000020426	22	3788794	3788863	MIR354	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.0497874	8.97E-01	0.0216177	8.82E-01	0.0973538	6.28E-01	0.0333473	7.92E-01	0.0333473	7.92E-01	0.0333473	7.92E-01	0.0333473	7.92E-01
ENSG0000021523	1	14528282	14528282	ASFP18	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0250289	8.45E-01	0.0626689	4.82E-01	0.0354839	4.82E-01	0.0354839	4.82E-01	0.0354839	4.82E-01	0.0354839	4.82E-01	0.0354839	4.82E-01
ENSG00000188710	1	20549415	20550849	OPT1	antisense_intron	protein_coding	YES	YES	YES	-0.0668572	5.63E-01	0.1478488	3.02E-01	0.1866753	3.51E-01	0.0330594	7.92E-01	0.0330594	7.92E-01	0.0330594	7.92E-01	0.0330594	7.92E-01
ENSG0000020787	18	57639455	5778803	AC027097.2	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.093061	7.34E-01	0.0365277	7.85E-01	0.3067659	1.19E-01	0.0527079	7.92E-01	0.0527079	7.92E-01	0.0527079	7.92E-01	0.0527079	7.92E-01
ENSG00000204927	11	6207073	6207488	LOC3	antisense_intron	protein_coding	YES	YES	YES	-0.090841	7.38E-01	-0.020993	7.29E-01	0.1504899	5.02E-01	0.0526281	7.92E-01	0.0526281	7.92E-01	0.0526281	7.92E-01	0.0526281	7.92E-01
ENSG00000217564	1	13149148	13149436	RAC1A	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0021017	9.90E-01	0.0214989	3.76E-01	0.1274987	3.71E-01	0.0321824	7.92E-01	0.0321824	7.92E-01	0.0321824	7.92E-01	0.0321824	7.92E-01
ENSG00000216625	20	1787761	1788160	AD10504.1	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0028406	9.80E-01	0.0061659	6.78E-01	0.08891523	6.98E-01	0.0523375	7.92E-01	0.0523375	7.92E-01	0.0523375	7.92E-01	0.0523375	7.92E-01
ENSG0000021381	11	50142121	50142610	AP01218.1	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.0654212	5.72E-01	0.0517163	7.21E-01	0.1178261	5.58E-01	0.0318928	7.92E-01	0.0318928	7.92E-01	0.0318928	7.92E-01	0.0318928	7.92E-01
ENSG00000210761	6	4214243	42192418	LOC1009418	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0049418	7.24E-01	0.0102709	8.55E-01	0.1752495	3.81E-01	0.0516124	7.92E-01	0.0516124	7.92E-01	0.0516124	7.92E-01	0.0516124	7.92E-01
ENSG00000185219	8	44431705	44477610	ZNF445	antisense_intron	protein_coding	YES	YES	YES	-0.03954	7.33E-01	-0.08402	7.91E-01	-0.221159	2.68E-01	0.0316212	7.92E-01	0.0316212	7.92E-01	0.0316212	7.92E-01	0.0316212	7.92E-01
ENSG0000017988	13	4621190	4627756	LKRC3	antisense_intron	protein_coding	YES	YES	YES	-0.079483	8.65E-01	0.2073038	3.16E-01	0.2299505	2.55E-01	0.0312486	7.92E-01	0.0312486	7.92E-01	0.0312486	7.92E-01	0.0312486	7.92E-01
ENSG00000210428	4	4812372	4812370	ITP10	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.025507	8.14E-01	0.0141287	9.22E-01	0.0073009	8.51E-01	0.0311586	7.92E-01	0.0311586	7.92E-01	0.0311586	7.92E-01	0.0311586	7.92E-01
ENSG00000204651	9	13138990	13139405	AL137938.3	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.1083024	3.48E-01	0.1488201	3.02E-01	0.3262024	9.65E-01	0.0320324	7.93E-01	0.0320324	7.93E-01	0.0320324	7.93E-01	0.0320324	7.93E-01
ENSG00000217199	18	12148890	12448205	AP01027.2	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.1099965	9.61E-01	0.0782819	8.37E-01	0.3232020	1.00E-01	0.0308692	7.93E-01	0.0308692	7.93E-01	0.0308692	7.93E-01	0.0308692	7.93E-01
ENSG00000145376	1	15087534	15074563	CREB3A	antisense_intron	protein_coding	YES	YES	YES	0.0625948	3.48E-01	0.1605028	2.47E-01	0.0892025	6.98E-01	0.0307629	7.93E-01	0.0307629	7.93E-01	0.0307629	7.93E-01	0.0307629	7.93E-01
ENSG00000208166	2	9495956	9496089	AC026771.1	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.139312	1.97E-01	0.0384904	8.11E-01	0.0770898	3.62E-01	0.0306813	7.93E-01	0.0306813	7.93E-01	0.0306813	7.93E-01	0.0306813	7.93E-01
ENSG00000204548	11	4950581	4950661	AC06881.1	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0079076	4.95E-01	0.0105158	5.50E-01	0.0056761	9.78E-01	0.0305888	7.93E-01	0.0305888	7.93E-01	0.0305888	7.93E-01	0.0305888	7.93E-01
ENSG0000021499	2	7288512	7288643	AC027046.1	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0200482	8.83E-01	0.0801806	5.80E-01	0.1742078	3.83E-01	0.051011	7.93E-01	0.051011	7.93E-01	0.051011	7.93E-01	0.051011	7.93E-01
ENSG0000021451	1	11226598	11226598	REP1	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.0261176	8.92E-01	0.0046176	9.17E-01	0.031484	8.48E-01	0.0304804	7.93E-01	0.0304804	7.93E-01	0.0304804	7.93E-01	0.0304804	7.93E-01
ENSG00000217538	1	4204049	4204129	HNR9F1P1	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.0989414	3.74E-01	0.0075753	6.00E-01	0.0294868	7.93E-01	0.0318121	7.93E-01	0.0318121	7.93E-01	0.0318121	7.93E-01	0.0318121	7.93E-01
ENSG00000166925	7	10646339	10647932	TSC2D4	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0815448	4.81E-01	0.0624997	6.67E-01	0.0890353	6.59E-01	0.0294943	7.93E-01	0.0294943	7.93E-01	0.0294943	7.93E-01	0.0294943	7.93E-01
ENSG0000013347	1	1299577	1299584	LOC1009418	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0266848	7.24E-01	0.0182848	7.49E-01	0.0656628	6.94E-01	0.0305888	7.93E-01	0.0305888	7.93E-01	0.0305888	7.93E-01	0.0305888	7.93E-01
ENSG00000136160	13	7795841	7795929	IONBB	antisense_intron	protein_coding	YES	YES	YES	-0.0622735	5.91E-01	0.0466967	7.34E-01	0.1936504	3.31E-01	0.0283864	7.93E-01	0.0283864	7.93E-01	0.0283864	7.93E-01	0.0283864	7.93E-01
ENSG0000027623	16	75372185	7537285	AC02587.3	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.132536	2.51E-01	-0.193128	3.55E-01	0.0254239	9.00E-01	0.0287781	7.93E-01	0.0287781	7.93E-01	0.0287781	7.93E-01	0.0287781	7.93E-01
ENSG00000186547	1	15340898	15341224	LOC1009418	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0049418	7.24E-01	0.0102709	8.55E-01	0.1752495	3.81E-01	0.0516124	7.92E-01	0.0516124	7.92E-01	0.0516124	7.92E-01	0.0516124	7.92E-01
ENSG00000130038	12	9606613	9746519	CRAK2A	antisense_intron	protein_coding	YES	YES	YES	-0.056447	6.27E-01	-0.0217704	8.81E-01	0.2317198	2.45E-01	0.0284293	7.94E-01	0.0284293	7.94E-01	0.0284293	7.94E-01	0.0284293	7.94E-01
ENSG0000027008	17	5118131	5118663	AC02681.1	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0167564	8.85E-01	0.0601714	6.78E-01	0.0283864	7.94E-01	0.0324773	7.94E-01	0.0324773	7.94E-01	0.0324773	7.94E-01	0.0324773	7.94E-01
ENSG00000213123	1	3732675	3733191	AC02818.1	antisense_intron	transcribed_pseudo	YES	YES	YES	-0.140033	2.22E-01	-0.062321	9.66E-01	0.1874895	4.05E-01	0.0280277	7.94E-01	0.0280277	7.94E-01	0.0280277	7.94E-01	0.0280277	7.94E-01
ENSG00000204872	1	11236058	11236296	AC02681.2	antisense_intron	transcribed_pseudo	YES	YES	YES	0.0123658	8.11E-01	0.0282981	9.21E-01	0.0414828	6.19E-01	0.0274465	7.94E-01	0.0274465	7.94E-01	0.0274465	7.94E-01	0.0274465	7.94E-01
ENSG0000014954	2	7902586	7902805	REG3C	antisense_intron	protein_coding	YES	YES	YES	-0.04888	7.76E-01	0.0694411	6.32E-01	0.164143	4.08E-01	0.0278888	7.94E-01	0.0278888	7.94				

Table with columns for gene ID, chromosome, coordinates, gene name, transcript ID, and various numerical values. The table lists numerous genes such as ENOX2, BGLAP, and others, with associated genomic data and numerical annotations.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as APOB, APOC, APOE, and many others, with associated genomic data and numerical parameters.

Table with columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, Gene Name, Transcript Name, Feature Type, RefSeq ID, Gene Name, Transcript Name, Feature Type, RefSeq ID, Gene Name, Transcript Name, Feature Type. The table lists genomic features for various genes across chromosomes 5, 10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, X, and Y.

ENSG0000027826	19	7595863	7618304	CCAMAP1	ensembl	navana	protein_coding	0.0723144	5.33E-01	-0.0273941	8.69E-02	-0.0340992	8.61E-01	-0.0405614	8.41E-01	-0.0494997	4.96E-01	-0.1144803	6.03E-01	-0.0904907	5.12E-01	
ENSG0000027830	19	14727531	14728464	ACD1L1P1	navana	tagene	incRNA	0.0000000	3.88E-02	0.0000000	5.11E-02	0.2163630	2.71E-01	0.0405424	8.41E-01	0.1841444	1.77E-01	0.0362820	5.11E-01	-0.1813000	2.08E-01	
ENSG0000027832	19	3024003	2842688	CPAP4B5	ensembl	navana	transcribed_pseudo	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.00E+00	0.00E+00	
ENSG0000027838	19	3678956	3681869	CNSL1A1P1	navana	transcribed_pseudo	0.0000000	3.93E-01	0.1995688	2.68E-01	0.1679545	4.01E-01	0.40524	8.41E-01	0.0483143	7.29E-01	0.1500568	6.49E-01	0.0115336	3.98E-01		
ENSG0000027841	19	11172008	11176389	ITPR1	ensembl	navana	protein_coding	0.0902003	4.35E-01	0.0370497	4.73E-01	0.0152785	9.40E-01	0.0405102	8.41E-01	0.0806489	5.22E-01	0.1949373	7.76E-01	0.0890114	5.37E-01	
ENSG0000027842	19	12676545	126771211	ITPR1	ensembl	navana	protein_coding	0.1244137	4.35E-01	0.0370497	4.73E-01	0.0152785	9.40E-01	0.0405102	8.41E-01	0.0806489	5.22E-01	0.1949373	7.76E-01	0.0890114	5.37E-01	
ENSG0000027848	19	53132808	53149206	TNNI1	ensembl	navana	protein_coding	0.0867936	4.35E-01	0.0368014	6.49E-01	0.0436007	8.21E-01	0.0404864	8.21E-01	0.0394923	4.31E-01	0.0832323	1.06E-01	-0.0618239	6.69E-01	
ENSG0000027852	5	131381052	131324493	CHOP9	ensembl	navana	protein_coding	0.0004049	8.98E-01	0.0771998	5.94E-01	-0.212107	2.86E-01	0.0404424	8.41E-01	0.0361765	7.95E-01	0.0382764	1.39E-01	0.0302424	8.62E-01	
ENSG0000027859	19	1077225	1077229	AC11784.1	ensembl	navana	transcribed_pseudo	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.00E+00	0.00E+00	
ENSG0000027865	19	12845489	12845488	CXCR4	ensembl	navana	protein_coding	0.0255664	8.25E-01	0.021777	9.00E-01	0.3205134	7.31E-01	0.0404545	8.41E-01	0.0361765	7.95E-01	0.0382764	1.39E-01	0.0302424	8.62E-01	
ENSG0000027868	7	8074238	8092239	SEMA3C	ensembl	navana	protein_coding	0.0281337	8.44E-01	0.0213886	3.94E-01	0.0984743	6.26E-01	0.0403632	8.42E-01	0.038482	7.82E-01	0.0112925	8.17E-01	0.0420887	7.72E-01	
ENSG0000027869	19	3023205	3023207	ASB2P1	ensembl	navana	transcribed_pseudo	0.0000000	4.77E-01	0.0072321	6.43E-01	0.3098283	5.76E-01	0.0401509	8.42E-01	0.0361765	7.95E-01	0.0382764	1.39E-01	0.0302424	8.62E-01	
ENSG0000027872	12	1466555	1475763	AC01018.1	navana	incRNA	0.0514954	6.20E-01	0.0429423	7.60E-01	0.0543905	7.81E-01	0.0403111	8.42E-01	0.0674803	8.42E-01	0.0674803	8.42E-01	0.0759328	9.06E-01	0.0279528	9.41E-01
ENSG0000027888	8	12645239	12645456	APLN	ensembl	navana	protein_coding	0.1173303	3.10E-01	0.0874831	5.46E-01	0.0151739	4.50E-01	0.0402865	8.42E-01	0.0211444	1.24E-01	-0.124488	5.71E-01	0.1141689	3.36E-01	
ENSG0000027891	18	630880	630840	TYMS	ensembl	navana	incRNA	-0.0538977	6.42E-01	0.0841072	5.61E-01	0.0202128	8.74E-01	0.0402812	8.42E-01	-0.1411008	3.09E-01	0.0299748	8.17E-01	0.0118835	2.00E-01	
ENSG0000027910	5	3023205	3023207	ASB2P1	ensembl	navana	transcribed_pseudo	0.0000000	4.77E-01	0.0072321	6.43E-01	0.3098283	5.76E-01	0.0401509	8.42E-01	0.0361765	7.95E-01	0.0382764	1.39E-01	0.0302424	8.62E-01	
ENSG0000027916	13	1984182	1984672	AC13500.1	navana	incRNA	-0.0979142	3.97E-01	-0.0405915	7.56E-01	0.0707112	7.04E-01	0.0402445	8.42E-01	-0.11116	8.80E-01	0.0867748	6.94E-01	-0.0806577	5.52E-01		
ENSG0000027917	22	2454023	2455593	GLIS3	ensembl	navana	protein_coding	0.0105043	9.28E-01	0.0147709	8.07E-01	0.0302071	8.62E-01	0.0402574	8.42E-01	0.0525725	9.13E-01	0.1184817	5.96E-01	-0.063004	6.64E-01	
ENSG0000027920	20	4317448	4317448	ITPR1	ensembl	navana	transcribed_pseudo	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.00E+00	0.00E+00	
ENSG0000027921	16	4882507	4860741	PCP	ensembl	navana	protein_coding	0.0687157	5.53E-01	0.1937513	1.82E-01	0.1355766	8.70E-01	0.0401904	8.42E-01	-0.0319526	6.15E-01	0.0596055	1.10E-01	0.1728354	2.30E-01	
ENSG0000027922	12	10651527	10652837	FILC	ensembl	navana	protein_coding	0.0290383	8.02E-01	0.0405559	7.79E-01	0.2216641	2.66E-01	0.0401379	8.42E-01	0.0622766	8.98E-01	0.0626036	8.12E-01	-0.0885735	3.41E-01	
ENSG0000027923	16	2603150	263084	AC13501.1	navana	transcribed_pseudo	0.0000000	4.77E-01	0.0072321	6.43E-01	0.3098283	5.76E-01	0.0401509	8.42E-01	0.0361765	7.95E-01	0.0382764	1.39E-01	0.0302424	8.62E-01		
ENSG0000027924	3	4194741	4130006	CTNNA3	ensembl	navana	protein_coding	0.0808954	4.88E-01	0.0293099	8.69E-01	0.0844395	7.67E-01	0.0401405	8.42E-01	0.1411399	3.09E-01	0.0873524	6.92E-01	-0.090402	6.12E-01	
ENSG0000027925	20	362835	397559	TRIM8	ensembl	navana	protein_coding	0.0777876	5.01E-01	0.1237667	3.84E-01	0.3840322	4.77E-01	0.0401388	8.42E-01	0.0201471	8.85E-01	0.0468566	7.69E-01	0.0207447	6.48E-01	
ENSG0000027926	1	2840730	2841070	AL13298.1	navana	incRNA	-0.109912	3.99E-01	-0.0624651	6.62E-01	-0.25393	2.01E-01	0.0400722	8.46E-01	-0.112708	8.88E-01	0.0468478	8.20E-01	-0.0502919	5.61E-01		
ENSG0000027927	19	6277329	6279206	TME2D3	ensembl	navana	protein_coding	0.0649018	5.54E-01	0.0287853	7.15E-01	0.1234938	9.98E-01	0.0400915	8.48E-01	0.13029	8.68E-01	0.0276283	7.30E-01	0.0881147	6.88E-01	
ENSG0000027928	17	841331	845041	NDEL1	ensembl	navana	protein_coding	0.0164456	4.83E-01	0.0527497	7.08E-01	0.1474327	3.93E-01	0.0400735	8.48E-01	0.0147211	9.32E-01	0.0731451	6.29E-01	0.0145101	6.06E-01	
ENSG0000027929	14	1212050	1222201	AC02922.1	navana	incRNA	-0.0488939	4.12E-01	-0.0707917	5.80E-01	-0.0454483	7.88E-01	0.0400884	8.48E-01	-0.2097773	1.29E-01	-0.139954	5.88E-01	-0.103794	7.43E-01		
ENSG0000027931	19	8026920	8026920	ITPR1	ensembl	navana	transcribed_pseudo	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.00E+00	0.00E+00	
ENSG0000027934	10	10176198	10197789	PPP3R3C	ensembl	navana	protein_coding	0.1421661	2.17E-01	0.0676882	6.41E-01	0.0399786	7.68E-01	0.0399786	8.48E-01	0.1388456	5.88E-01	0.1468994	2.78E-01	0.1468994	2.78E-01	
ENSG0000027935	10	4898454	4901887	AC02024.1	navana	incRNA	-0.1099027	1.40E-01	-0.073538	5.89E-01	-0.1025627	6.11E-01	0.0399283	8.48E-01	-0.1397028	5.22E-01	-0.2454528	2.41E-01	-0.1824708	2.05E-01		
ENSG0000027937	19	8217400	8217400	ITPR1	ensembl	navana	transcribed_pseudo	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.00E+00	0.00E+00	
ENSG0000027938	6	12747294	12751931	SGO3A	navana	protein_coding	0.0103009	9.29E-01	0.0265539	9.51E-01	0.0151978	7.57E-01	0.0401379	8.42E-01	0.0151978	8.12E-01	0.0548588	5.58E-01	-0.1026299	4.78E-01		
ENSG0000027939	19	4172783	4173462	SAM9	ensembl	navana	protein_coding	0.1787711	1.20E-01	0.1114892	4.33E-01	0.0103738	9.59E-01	0.0399148	8.48E-01	0.2311883	9.23E-01	0.0163465	9.41E-01	0.0429204	8.76E-01	
ENSG0000027940	13	6137443	6137443	ITPR1	ensembl	navana	transcribed_pseudo	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.00E+00	0.00E+00	
ENSG0000027941	19	7765589	7766267	SMG9	ensembl	navana	incRNA	0.0655589	5.71E-01	0.0810965	5.74E-01	0.0202323	8.48E-01	0.0401695	8.42E-01	0.0416593	6.06E-01	0.1488312	6.02E-01	0.0847922	5.84E-01	
ENSG0000027942	13	2917126	2917168	RP131L3	navana	transcribed_pseudo	0.0159123	1.70E-01	0.0160547	6.77E-01	0.1378279	4.91E-01	0.0399011	8.48E-01	0.1421133	7.77E-01	0.0102043	9.37E-01	0.0719218	6.20E-01		
ENSG0000027943	20	251668	251799	AC0932.8	navana	TEC	-0.0229952	8.80E-01	-0.0095848	9.67E-01	-0.041087	7.89E-01	0.0398789	8.48E-01	0.0398789	8.48E-01	0.0398789	8.48E-01	0.0398789	8.48E-01		
ENSG0000027944	19	8236319	8236319	ITPR1	ensembl	navana	transcribed_pseudo	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00	0.00E+00	0.00E+00	
ENSG0000027945	7	6602857	6606287	INC0204	navana	incRNA	0.0803331	4.87E-01	0.1077234	4.04E-01	0.0398551	8.48E-01	0.0398551	8.48E-01	0.0678573	8.81E-01	0.2087176	5.91E-01	-0.1574545	2.86E-01		
ENSG0000027946	17	1705563	1705187	PEMT	ensembl	navana	protein_coding	-0.0748905	5.17E-01	-0.034712	8.11E-01	0.1615969	2.90E-01	0.0398583	8.48E-01	-0.111699	4.13E-01	-0.036777	3.00E-01	0.1478911	3.06E-01	
ENSG0000027947	19	8182343	8182343	ITPR1	ensembl	navana	transcribed_pseudo	0.000														

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as ALN121.2, PNP2, and others, along with their genomic locations and associated data points.

ENSG0000027091	21	3173732	31736407	APOO25.1	havana	lncRNA	0.00655029	6.01E-01	0.00644319	6.97E-01	0.25740427	1.95E-01	0.00300361	8.82E-01	0.06306109	6.47E-01	-0.1887173	4.42E-01	0.03433383	8.13E-01
ENSG0000024825	6	16711497	16711527	ALI1193.1	havana	protein_coding	0.07512724	6.21E-01	0.4145999	3.72E-01	0.02788548	8.96E-01	0.00300361	8.82E-01	0.015020	9.34E-01	0.0287799	7.86E-01	0.0046620	9.76E-01
ENSG0000024801	9	11163134	11163451	LNOC03.1	havana	lncRNA	0.01739292	6.21E-01	0.4145999	3.72E-01	0.02788548	8.96E-01	0.00300361	8.82E-01	0.015020	9.34E-01	0.0287799	7.86E-01	0.0046620	9.76E-01
ENSG0000029769	9	11163134	11163451	DNAC15.1	ensembl	protein_coding	0.0150513	8.97E-01	0.079279	8.47E-01	0.01626207	5.29E-01	0.00300361	8.82E-01	0.0640088	8.06E-01	0.3944497	8.26E-01	0.0274889	9.76E-01
ENSG00000248849	9	15211380	15211388	SIGLEC2P	havana	transcribed_unprocessed_pseudogene	-0.0020399	5.92E-01	0.00978726	9.46E-01	0.1635952	4.13E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000248981	17	15211380	15211388	SNRPB.2	ensembl	transcribed_unprocessed_pseudogene	-0.0020399	5.92E-01	0.00978726	9.46E-01	0.1635952	4.13E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000240675	16	31448300	31449080	SIGLEC2	ensembl	protein_coding	-0.0038148	7.50E-01	0.00386248	9.78E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000201361	6	6732168	6732187	RN7SP418	ensembl	misc_RNA	-0.0044905	7.03E-01	-0.0161096	9.12E-01	0.05563654	7.85E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000200089	9	12395352	12395408	TRAF3IP2	ensembl	protein_coding	0.0066201	6.25E-01	0.0066201	6.25E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000215467	6	43907314	43907367	ZNF378	ensembl	protein_coding	0.0066201	6.25E-01	0.0066201	6.25E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000205682	5	10264020	10267376	LNOC04.1	havana	lncRNA	-0.0062877	6.02E-01	0.00738071	6.42E-01	0.14778184	4.62E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000206092	4	43912132	43908588	TRAF3IP2	ensembl	protein_coding	-0.0062877	6.02E-01	0.00738071	6.42E-01	0.14778184	4.62E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000205696	11	10814458	10815081	APOE3.2	havana	lncRNA	-0.0041074	9.03E-01	0.0058536	6.86E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000205532	10	5095988	5228423	PRKG1	havana	protein_coding	YES	YES	YES	YES	0.129062	2.63E-01	0.0662893	6.46E-01	0.1148651	1.11E-01	-0.219129	2.93E-01	0.1500499	2.98E-01
ENSG00000214229	9	13882703	13882629	REP1A1P5	ensembl	processed_pseudogene	-0.0028309	4.75E-01	0.00429264	7.40E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000217522	18	2974806	2975048	LNOC05.1	havana	lncRNA	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000209570	6	41158506	41163386	TREM2	ensembl	protein_coding	0.0297444	4.22E-01	0.1550987	8.22E-01	0.0188715	9.24E-01	0.0297961	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000217561	15	2260602	2261764	TNFR2	ensembl	transcribed_unprocessed_pseudogene	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000215819	6	2218929	2219278	LNOC06.1	havana	lncRNA	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG0000018680	18	3261479	3278461	MYL12B	ensembl	protein_coding	0.3058641	6.98E-01	0.0240205	4.81E-01	0.3573798	6.72E-01	0.0297659	8.82E-01	0.02414338	3.90E-01	0.0766439	9.52E-01	0.1796436	5.42E-01
ENSG00000103116	6	3624203	3613229	PNP1A1	ensembl	protein_coding	0.0029788	6.42E-01	0.0094675	4.92E-01	0.0524023	7.99E-01	0.0294354	8.82E-01	0.0340486	2.46E-01	-0.103646	6.15E-01	-0.088024	2.12E-01
ENSG00000179731	12	11205024	11209805	PRK1	ensembl	protein_coding	0.1155354	3.17E-01	0.0021228	8.56E-01	0.0028661	8.86E-01	0.0297327	8.82E-01	0.1212113	2.16E-01	0.260185	5.75E-01	0.0079963	5.65E-01
ENSG00000200929	4	5391213	5386888	TREM2	ensembl	protein_coding	0.0297444	4.22E-01	0.1550987	8.22E-01	0.0188715	9.24E-01	0.0297961	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000209570	6	41158506	41163386	TREM2	ensembl	protein_coding	0.0297444	4.22E-01	0.1550987	8.22E-01	0.0188715	9.24E-01	0.0297961	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000217561	15	2260602	2261764	TNFR2	ensembl	transcribed_unprocessed_pseudogene	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000215819	6	2218929	2219278	LNOC06.1	havana	lncRNA	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG0000018680	18	3261479	3278461	MYL12B	ensembl	protein_coding	0.3058641	6.98E-01	0.0240205	4.81E-01	0.3573798	6.72E-01	0.0297659	8.82E-01	0.02414338	3.90E-01	0.0766439	9.52E-01	0.1796436	5.42E-01
ENSG00000103116	6	3624203	3613229	PNP1A1	ensembl	protein_coding	0.0029788	6.42E-01	0.0094675	4.92E-01	0.0524023	7.99E-01	0.0294354	8.82E-01	0.0340486	2.46E-01	-0.103646	6.15E-01	-0.088024	2.12E-01
ENSG00000179731	12	11205024	11209805	PRK1	ensembl	protein_coding	0.1155354	3.17E-01	0.0021228	8.56E-01	0.0028661	8.86E-01	0.0297327	8.82E-01	0.1212113	2.16E-01	0.260185	5.75E-01	0.0079963	5.65E-01
ENSG00000200929	4	5391213	5386888	TREM2	ensembl	protein_coding	0.0297444	4.22E-01	0.1550987	8.22E-01	0.0188715	9.24E-01	0.0297961	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000209570	6	41158506	41163386	TREM2	ensembl	protein_coding	0.0297444	4.22E-01	0.1550987	8.22E-01	0.0188715	9.24E-01	0.0297961	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000217561	15	2260602	2261764	TNFR2	ensembl	transcribed_unprocessed_pseudogene	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000215819	6	2218929	2219278	LNOC06.1	havana	lncRNA	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG0000018680	18	3261479	3278461	MYL12B	ensembl	protein_coding	0.3058641	6.98E-01	0.0240205	4.81E-01	0.3573798	6.72E-01	0.0297659	8.82E-01	0.02414338	3.90E-01	0.0766439	9.52E-01	0.1796436	5.42E-01
ENSG00000103116	6	3624203	3613229	PNP1A1	ensembl	protein_coding	0.0029788	6.42E-01	0.0094675	4.92E-01	0.0524023	7.99E-01	0.0294354	8.82E-01	0.0340486	2.46E-01	-0.103646	6.15E-01	-0.088024	2.12E-01
ENSG00000179731	12	11205024	11209805	PRK1	ensembl	protein_coding	0.1155354	3.17E-01	0.0021228	8.56E-01	0.0028661	8.86E-01	0.0297327	8.82E-01	0.1212113	2.16E-01	0.260185	5.75E-01	0.0079963	5.65E-01
ENSG00000200929	4	5391213	5386888	TREM2	ensembl	protein_coding	0.0297444	4.22E-01	0.1550987	8.22E-01	0.0188715	9.24E-01	0.0297961	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000209570	6	41158506	41163386	TREM2	ensembl	protein_coding	0.0297444	4.22E-01	0.1550987	8.22E-01	0.0188715	9.24E-01	0.0297961	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000217561	15	2260602	2261764	TNFR2	ensembl	transcribed_unprocessed_pseudogene	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG00000215819	6	2218929	2219278	LNOC06.1	havana	lncRNA	-0.0020322	9.2E-01	0.0020322	9.2E-01	0.0299281	8.82E-01	0.0299281	8.82E-01	0.0292499	5.06E-01	0.0399447	9.50E-01	0.0199347	9.46E-01
ENSG0000018680	18	3261479	3278461	MYL12B	ensembl	protein_coding	0.3058641	6.98E-01	0.0240205	4.81E-01	0.3573798	6.72E-01	0.0297659	8.82E-01	0.02414338	3.90E-01	0.0766439	9.52E-01	0.1796436	5.42E-01
ENSG00000103116	6	3624203	3613229	PNP1A1	ensembl	protein_coding	0.0029788	6.42E-01	0.0094675	4.92E-01	0.0524023	7.99E-01	0.0294354	8.82E-01	0.0340486	2.46E-01	-0.103646	6.15E-01	-0.088024	2.12E-01
ENSG00000179731	12</																			

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, protein, and various numerical values. The table lists numerous genes such as EING0000017645, EING0000017646, etc., with their corresponding genomic data.

Table with columns for gene ID, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as AC105339.6, AC105340.1, AC105341.1, etc., with associated genomic coordinates and values.

Table with columns for gene ID, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as CHFR, ACD102B.2, and others, with associated genomic coordinates and multiple columns of numerical data.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as AC01351.1, AC01352.1, AC01353.1, etc., across chromosomes 15, 16, 17, 18, 19, 20, and X.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as BSGAL16, ALKBH5, and others, along with their genomic locations and associated data points.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as GTF2R2D, ACAD10A1, and many others, along with their genomic locations and associated data points.

ENSG0000027431	1	145961388	145964422	ACAC1847.2	ncrna	incRNA	protein coding	-0.094605	4.09e-01	0.064845	6.57e-02	0.1967439	3.21e-01	-0.007745	9.97e-01	-0.097468	4.88e-01	-0.128344	5.60e-01	-0.158826	2.71e-01
ENSG000001370	1	4318851	4354726	LAMP2	protein coding	mRNA	protein coding	-0.06634	5.68e-01	0.206450	5.05e-01	0.0604157	7.44e-01	-0.007749	9.97e-01	-0.210777	1.14e-01	-0.319931	1.35e-01	-0.144520	5.16e-01
ENSG000002094	1	2040494	2041026	FWY 3B1	incRNA	incRNA	protein coding	-0.07467	6.07e-01	0.204767	6.49e-01	0.212424	6.44e-01	-0.007749	9.97e-01	-0.210777	1.14e-01	-0.319931	1.35e-01	-0.144520	5.16e-01
ENSG0000019899	MT	8527	9207	MT-ATP	incRNA	incRNA	protein coding	-0.207275	7.06e-02	0.162688	5.84e-01	0.242755	9.84e-01	-0.007875	9.97e-01	-0.252004	5.20e-02	-0.276814	5.20e-02	-0.276814	5.20e-02
ENSG0000019804	1	3022297	3024510	PPP1R3L	protein coding	mRNA	protein coding	-0.104879	8.84e-01	0.102980	9.42e-01	0.215759	2.89e-01	-0.008089	9.97e-01	-0.028479	9.34e-01	-0.34358	1.10e-01	-0.250499	7.58e-01
ENSG0000024479	1	6404803	6415064	OR6A1-AS1	incRNA	incRNA	protein coding	0.04145	0.38e-01	0.159634	0.08e-01	0.204767	6.49e-01	-0.007749	9.97e-01	-0.210777	1.14e-01	-0.319931	1.35e-01	-0.144520	5.16e-01
ENSG0000024011	1	10463204	10483850	PPP1R3S-AS1	incRNA	incRNA	protein coding	0.0415905	7.19e-01	0.102981	8.86e-01	0.215759	2.89e-01	-0.008081	9.97e-01	-0.028479	9.34e-01	-0.34358	1.10e-01	-0.250499	7.58e-01
ENSG0000021224	1	783746	786228	CYBD5	protein coding	mRNA	protein coding	0.0147905	9.03e-01	0.045845	7.12e-01	0.2562479	7.94e-01	-0.008268	9.97e-01	-0.030289	8.28e-01	-0.371735	4.35e-01	-0.292444	5.24e-01
ENSG0000023623	1	1026570	1026942	ARHGAP12	protein coding	mRNA	protein coding	0.000000	0.00e-01	0.000000	0.00e-01	0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01
ENSG0000014052	1	8509589	8521614	B1EP1	protein coding	mRNA	protein coding	YES	YES	0.000000	0.00e-01	0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01
ENSG0000025628	1	12297530	12298207	AC08362.1	incRNA	incRNA	protein coding	YES	YES	-0.137561	2.33e-01	-0.165368	2.52e-01	-0.008087	9.97e-01	-0.108741	4.34e-01	-0.144819	5.10e-01	-0.105883	4.49e-01
ENSG0000021293	2	4581994	4581995	NRXN3-3	incRNA	incRNA	protein coding	YES	YES	-0.02038	0.21e-01	-0.021388	0.21e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01
ENSG0000025888	1	31101583	31102789	DGCS	incRNA	incRNA	protein coding	YES	YES	0.0253981	8.24e-01	-0.160566	3.50e-01	-0.008014	9.97e-01	-0.049519	9.71e-01	-0.235889	8.70e-01	-0.080547	5.49e-01
ENSG0000023041	1	11782384	11783241	AL15334.1	incRNA	incRNA	protein coding	YES	YES	-0.18442	1.00e-01	-0.1705774	6.01e-01	-0.008089	9.97e-01	-0.257174	6.01e-01	-0.163811	4.55e-01	-0.192738	1.80e-01
ENSG0000021666	1	16767385	16768074	AL03173.2	incRNA	incRNA	protein coding	YES	YES	0.1508949	1.93e-01	-0.1176586	4.10e-01	-0.008018	9.96e-01	-0.1262006	2.40e-01	-0.076134	7.20e-01	-0.092524	9.49e-01
ENSG0000021293	2	303481	303481	NRXN3-3	incRNA	incRNA	protein coding	YES	YES	0.000000	0.00e-01	0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01
ENSG0000019415	1	840999	848175	PRN3	protein coding	mRNA	protein coding	0.1007626	6.31e-01	0.0118248	8.30e-01	0.6828098	8.76e-01	-0.000099	9.96e-01	-0.1183468	9.44e-01	-0.165894	4.49e-01	-0.247829	8.27e-01
ENSG0000021472	1	9604929	9604933	RN7P7	incRNA	incRNA	protein coding	YES	YES	-0.055477	0.12e-01	-0.056401	0.12e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01
ENSG0000019711	1	5216037	5216037	OR6A1-AS1	incRNA	incRNA	protein coding	YES	YES	-0.18442	1.00e-01	-0.1705774	6.01e-01	-0.008089	9.97e-01	-0.257174	6.01e-01	-0.163811	4.55e-01	-0.192738	1.80e-01
ENSG0000024082	1	11515162	11512399	SERTM2	incRNA	incRNA	protein coding	YES	YES	-0.0007364	9.50e-01	-0.1192714	4.09e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01	-0.000000	0.00e-01
ENSG0000023096	1	16015287	16027462	LINC00661	incRNA	incRNA	protein coding	YES	YES	-0.1039123	3.78e-01	-0.0801343	5.33e-01	-0.2354409	2.37e-01	-0.000079	9.96e-01	-0.2128084	1.22e-01	-0.097489	6.58e-01
ENSG0000023096	1	16015287	16027462	LINC00661	incRNA	incRNA	protein coding	YES	YES	-0.1039123	3.78e-01	-0.0801343	5.33e-01	-0.2354409	2.37e-01	-0.000079	9.96e-01	-0.2128084	1.22e-01	-0.097489	6.58e-01
ENSG0000020029	10	10181800	10182885	ICN2P1-AS1	incRNA	incRNA	protein coding	YES	YES	-0.140298	2.24e-01	-0.0162007	9.11e-01	-0.2207471	2.69e-01	-0.000993	9.96e-01	-0.21173	1.24e-01	-0.137478	4.64e-01
ENSG0000021393	1	73462362	73477175	TRAF7-IT1	incRNA	incRNA	protein coding	YES	YES	0.1845079	1.08e-01	0.2014339	1.43e-01	-0.000979	9.96e-01	-0.1343197	3.33e-01	-0.194208	0.50e-01	-0.0241705	8.86e-01
ENSG0000027480	1	14258442	14272489	MMP9-AS2	incRNA	incRNA	protein coding	YES	YES	-0.161378	3.58e-01	-0.077882	5.90e-01	-0.000709	9.96e-01	-0.010211	9.96e-01	-0.149403	2.81e-01	-0.0518745	3.48e-01
ENSG0000024651	1	10388382	10388405	ALKBH8-2	incRNA	incRNA	protein coding	YES	YES	-0.0369881	7.32e-01	-0.0878997	5.44e-01	-0.006348	7.62e-01	-0.003025	9.96e-01	-0.079536	9.58e-01	-0.144178	5.12e-01
ENSG0000025656	1	10779942	10780189	MMP4P2	incRNA	incRNA	protein coding	YES	YES	-0.0592884	6.98e-01	-0.0398847	8.20e-01	-0.2658748	1.89e-01	-0.0066835	9.17e-01	-0.101514	6.17e-01	-0.0540618	7.69e-01
ENSG0000014343	1	15374209	15377074	IFIT	protein coding	mRNA	protein coding	0.0712968	5.38e-01	0.0031162	9.80e-01	0.0809744	6.91e-01	-0.010299	9.96e-01	-0.1405899	2.90e-01	-0.1207126	5.18e-01	-0.040001	7.62e-01
ENSG0000021429	1	94566478	94567099	AL02AP.2	incRNA	incRNA	protein coding	YES	YES	-0.101442	0.91e-01	-0.0901287	8.84e-01	-0.211931	9.96e-01	-0.123891	2.92e-01	-0.13691	3.89e-01	-0.15891	4.71e-01
ENSG0000013749	1	15409386	15420478	MFAP3	protein coding	mRNA	protein coding	-0.021798	8.51e-01	0.0901120	3.86e-01	-0.0011505	9.96e-01	-0.1342913	3.35e-01	-0.2209738	5.88e-01	-0.0854701	6.82e-01	-0.040001	7.62e-01
ENSG0000014654	1	8103342	8104750	ATMIN	protein coding	mRNA	protein coding	-0.086792	7.51e-01	-0.062447	6.33e-01	0.1314429	5.12e-01	-0.0011544	9.96e-01	-0.0346789	8.04e-01	-0.175984	5.56e-01	-0.1128282	3.54e-01
ENSG0000017641	1	6231174	6232033	OR6A1-AS1	incRNA	incRNA	protein coding	YES	YES	-0.18442	1.00e-01	-0.1705774	6.01e-01	-0.008089	9.97e-01	-0.257174	6.01e-01	-0.163811	4.55e-01	-0.192738	1.80e-01
ENSG0000014656	2	6429035	6411132	LINC00245-1	incRNA	incRNA	protein coding	YES	YES	-0.104854	3.64e-01	-0.0568209	6.95e-01	-0.1935111	4.88e-01	-0.0011678	9.94e-01	-0.33310	3.33e-01	-0.0512461	9.40e-01
ENSG0000017589	1	1437746	1437875	TRF2P2	incRNA	incRNA	protein coding	YES	YES	-0.0909185	9.38e-01	-0.0135021	8.17e-01	-0.0080334	9.96e-01	-0.021168	9.96e-01	-0.0757874	7.87e-01	-0.153082	4.86e-01
ENSG0000020219	1	10692929	10693025	OR6A1-AS1	incRNA	incRNA	protein coding	YES	YES	-0.18442	1.00e-01	-0.1705774	6.01e-01	-0.008089	9.97e-01	-0.257174	6.01e-01	-0.163811	4.55e-01	-0.192738	1.80e-01
ENSG0000015387	1	11071736	11072139	ING1	incRNA	incRNA	protein coding	YES	YES	-0.095983	9.65e-01	-0.045823	6.29e-01	-0.0011113	9.95e-01	-0.0135179	9.01e-01	-0.0257024	9.18e-01	-0.0274954	8.50e-01
ENSG0000021521	1	7162020	7162103	OR7F.4	incRNA	incRNA	protein coding	YES	YES	-0.0939564	6.91e-01	-0.0448974	7.93e-01	-0.0011648	9.93e-01	-0.0114129	9.10e-01	-0.125015	5.70e-01	-0.072489	6.28e-01
ENSG0000021352	1	1807189	1807208	AC12712.2	incRNA	incRNA	protein coding	YES	YES	-0.101414	3.71e-01	-0.1197981	4.07e-01	-0.001374	9.96e-01	-0.2028049	3.99e-01	-0.1426786	5.88e-01	-0.0971842	5.46e-01
ENSG0000013511	1	10674428	10674428	TRAF7	protein coding	mRNA	protein coding	-0.01444	0.91e-01	0.0901287	8.84e-01	-0.211931	9.96e-01	-0.123891	2.92e-01	-0.13691	3.89e-01	-0.15891	4.71e-01	-0.0512461	9.40e-01
ENSG0000018077	1	7958881	7959465	TMEM120A	protein coding	mRNA	protein coding	-5.41e-05	1.00e-04	-0.0512642	6.98e-01	0.070452	7.00e-01	-0.001391	9.96e-01	-0.030343	7.87e-01	-0.0945781	6.86e-01	-0.037118	5.28e-01
ENSG0000018862	1	5073748	5081178	HLIP1	incRNA	incRNA	protein coding	YES	YES	-0.04221	7.44e-01	-0.0519224	6.40e-01	-0.0301738	8.81e-01	-0.014139	9.96e-01	-0.0990205	4.76e-01	-0.074538	7.29e-01
ENSG0000020879	1	10692929	10693025	OR6A1-AS1	incRNA	incRNA	protein coding	YES	YES	-0.18442	1.00e-01	-0.1705774	6.01e-01	-0.008089	9.97e-01	-0.257174	6.01e-01	-0.163811	4.55e-01	-0.192738	1.80e-01
ENSG0000016646	1	11742401	11749340	ICN2P1-AS1	incRNA	incRNA	protein coding	YES	YES	-0.0693785	5.49e-01	-0.040862	7.81e-01	-0.0044268	9.96e-01	-0.0047374	1.13e-01	-0.1402447	6.16e-01	-0.0718663	4.37e-01
ENSG0000017653	1	11841054	11842																		

ENSG0000023091	1	51126273	51273447	NRN11	ensembl	havana	protein_coding	YES	0.0097888	5.446e-01	0.0098483	5.306e-01	0.0740404	7.161e-01	-0.0056753	9.781e-01	-0.1483152	1.006e-01	-0.031778	8.866e-01	-0.0688456	6.184e-01	
ENSG0000023092	1	16143598	16144616	AL138716.1	havana	lincRNA	antisense	YES	-0.0066209	7.911e-01	0.1149883	4.811e-01	0.3042829	6.211e-01	-0.0090791	9.771e-01	-0.1119975	1.828e-01	0.107135	6.188e-01	-0.1213861	3.944e-01	
ENSG0000023093	1	16143598	16144616	AL138716.1	havana	lincRNA	antisense	YES	-0.0066209	7.911e-01	0.1149883	4.811e-01	0.3042829	6.211e-01	-0.0090791	9.771e-01	-0.1119975	1.828e-01	0.107135	6.188e-01	-0.1213861	3.944e-01	
ENSG0000023094	1	9688308	9688547	RP44	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>0.0413567</td> <td>9.911e-01</td> <td>0.0188588</td> <td>8.961e-01</td> <td>0.5125326</td> <td>7.696e-01</td> <td>-0.0057233</td> <td>9.771e-01</td> <td>-0.031158</td> <td>1.006e-01</td> <td>-0.177685</td> <td>8.115e-01</td> <td>-0.0780008</td> <td>2.744e-01</td>	havana	protein_coding	YES	0.0413567	9.911e-01	0.0188588	8.961e-01	0.5125326	7.696e-01	-0.0057233	9.771e-01	-0.031158	1.006e-01	-0.177685	8.115e-01	-0.0780008	2.744e-01	
ENSG0000023095	1	70274781	70277317	GA12	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>0.0002073</td> <td>5.991e-01</td> <td>0.0344141</td> <td>8.111e-01</td> <td>0.0845998</td> <td>6.791e-01</td> <td>-0.0057494</td> <td>9.771e-01</td> <td>-0.0628979</td> <td>5.528e-01</td> <td>-0.137701</td> <td>2.754e-01</td> <td>-0.0592721</td> <td>5.211e-01</td>	havana	protein_coding	YES	0.0002073	5.991e-01	0.0344141	8.111e-01	0.0845998	6.791e-01	-0.0057494	9.771e-01	-0.0628979	5.528e-01	-0.137701	2.754e-01	-0.0592721	5.211e-01	
ENSG0000023096	1	1256404	1256484	AL138716.1	ensembl <td>havana</td> <td>antisense</td> <td>YES</td> <td>-0.0066209</td> <td>7.911e-01</td> <td>0.1149883</td> <td>4.811e-01</td> <td>0.3042829</td> <td>6.211e-01</td> <td>-0.0090791</td> <td>9.771e-01</td> <td>-0.1119975</td> <td>1.828e-01</td> <td>0.107135</td> <td>6.188e-01</td> <td>-0.1213861</td> <td>3.944e-01</td>	havana	antisense	YES	-0.0066209	7.911e-01	0.1149883	4.811e-01	0.3042829	6.211e-01	-0.0090791	9.771e-01	-0.1119975	1.828e-01	0.107135	6.188e-01	-0.1213861	3.944e-01	
ENSG0000023097	1	9582838	9583667	NMNP127	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>0.0478904</td> <td>7.121e-01</td> <td>0.0115343</td> <td>9.371e-01</td> <td>0.0162322</td> <td>9.361e-01</td> <td>-0.0057845</td> <td>9.771e-01</td> <td>-0.0895405</td> <td>5.208e-01</td> <td>-0.130701</td> <td>3.841e-01</td> <td>-0.0679315</td> <td>5.211e-01</td>	havana	protein_coding	YES	0.0478904	7.121e-01	0.0115343	9.371e-01	0.0162322	9.361e-01	-0.0057845	9.771e-01	-0.0895405	5.208e-01	-0.130701	3.841e-01	-0.0679315	5.211e-01	
ENSG0000023098	2	4537322	4537393	AC009236.1	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.1468883</td> <td>2.036e-01</td> <td>-0.1009651</td> <td>4.888e-01</td> <td>0.3444349</td> <td>4.824e-01</td> <td>-0.0080879</td> <td>9.771e-01</td> <td>-0.1713184</td> <td>1.256e-01</td> <td>-0.0742592</td> <td>7.366e-01</td> <td>-0.1437319</td> <td>4.271e-01</td>	havana	lincRNA	antisense	YES	-0.1468883	2.036e-01	-0.1009651	4.888e-01	0.3444349	4.824e-01	-0.0080879	9.771e-01	-0.1713184	1.256e-01	-0.0742592	7.366e-01	-0.1437319	4.271e-01
ENSG0000023099	1	1256404	1256484	AL138716.1	ensembl <td>havana</td> <td>antisense</td> <td>YES</td> <td>-0.0066209</td> <td>7.911e-01</td> <td>0.1149883</td> <td>4.811e-01</td> <td>0.3042829</td> <td>6.211e-01</td> <td>-0.0090791</td> <td>9.771e-01</td> <td>-0.1119975</td> <td>1.828e-01</td> <td>0.107135</td> <td>6.188e-01</td> <td>-0.1213861</td> <td>3.944e-01</td>	havana	antisense	YES	-0.0066209	7.911e-01	0.1149883	4.811e-01	0.3042829	6.211e-01	-0.0090791	9.771e-01	-0.1119975	1.828e-01	0.107135	6.188e-01	-0.1213861	3.944e-01	
ENSG0000023100	1	7252014	7517235	TMEM504.1	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>0.19004</td> <td>2.298e-01</td> <td>-0.0099379</td> <td>7.311e-01</td> <td>-0.1510273</td> <td>4.501e-01</td> <td>-0.0058314</td> <td>9.771e-01</td> <td>-0.1928789</td> <td>1.626e-01</td> <td>-0.1673074</td> <td>5.066e-01</td> <td>-0.1147371</td> <td>3.271e-01</td>	havana	protein_coding	YES	0.19004	2.298e-01	-0.0099379	7.311e-01	-0.1510273	4.501e-01	-0.0058314	9.771e-01	-0.1928789	1.626e-01	-0.1673074	5.066e-01	-0.1147371	3.271e-01	
ENSG0000023101	1	2581840	2583242	MTFR1L	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>0.0782827</td> <td>4.971e-01</td> <td>-0.0048867</td> <td>9.731e-01</td> <td>0.2278220</td> <td>2.571e-01</td> <td>-0.0058434</td> <td>9.771e-01</td> <td>-0.1067738</td> <td>4.424e-01</td> <td>-0.1825986</td> <td>4.041e-01</td> <td>-0.2082106</td> <td>1.461e-01</td>	havana	protein_coding	YES	0.0782827	4.971e-01	-0.0048867	9.731e-01	0.2278220	2.571e-01	-0.0058434	9.771e-01	-0.1067738	4.424e-01	-0.1825986	4.041e-01	-0.2082106	1.461e-01	
ENSG0000023102	1	1320249	1320249	TAF9B	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>0.0266249</td> <td>7.471e-01</td> <td>0.0684889</td> <td>5.406e-01</td> <td>0.3088971</td> <td>3.661e-01</td> <td>-0.0059243</td> <td>9.771e-01</td> <td>-0.0628979</td> <td>5.528e-01</td> <td>-0.137701</td> <td>2.754e-01</td> <td>-0.0592721</td> <td>5.211e-01</td>	havana	protein_coding	YES	0.0266249	7.471e-01	0.0684889	5.406e-01	0.3088971	3.661e-01	-0.0059243	9.771e-01	-0.0628979	5.528e-01	-0.137701	2.754e-01	-0.0592721	5.211e-01	
ENSG0000023103	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023104	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023105	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023106	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023107	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023108	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023109	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023110	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023111	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023112	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023113	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023114	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023115	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023116	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023117	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023118	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023119	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023120	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023121	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023122	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023123	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023124	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023125	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023126	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023127	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023128	1	152463786	152465449	LINC01003	ensembl <td>havana</td> <td>lincRNA</td> <td>antisense</td> <td>YES</td> <td>-0.0496276</td> <td>6.681e-01</td> <td>-0.0319479</td> <td>7.981e-01</td> <td>0.0482755</td> <td>8.111e-01</td> <td>-0.0058723</td> <td>9.771e-01</td> <td>-0.109858</td> <td>4.506e-01</td> <td>-0.0905644</td> <td>8.101e-01</td> <td>-0.0500277</td> <td>1.461e-01</td>	havana	lincRNA	antisense	YES	-0.0496276	6.681e-01	-0.0319479	7.981e-01	0.0482755	8.111e-01	-0.0058723	9.771e-01	-0.109858	4.506e-01	-0.0905644	8.101e-01	-0.0500277	1.461e-01
ENSG0000023129	1	152463786	152465449	LINC01003	ensembl <td>havana</td>	havana																	

ENSG00000286256	18	7652852	7667011	+	LINC00683	lincRNA	incRNA	-0.0272088	8.14e-05	0.3488028	3.02e-02	0.2495017	2.09e-01	0.0083568	9.67e-01	0.1509255	2.76e-04	0.0093514	7.53e-01	0.1163831	4.21e-01
ENSG00000141997	15	4512124	4177381	+	MGA	antisense intron	antisense intron	-0.0994843	7.32e-01	0.1543050	4.66e-02	0.1872728	3.62e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000141998	15	4512124	4177381	+	MGA	antisense intron	antisense intron	-0.0994843	7.32e-01	0.1543050	4.66e-02	0.1872728	3.62e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000196699	2	17754808	17752796	+	TIC008	antisense intron	antisense intron	-0.0978255	3.97e-01	0.1033772	4.75e-01	0.0083568	9.67e-01	0.0083568	9.67e-01	0.0202240	5.75e-01	0.0308151	3.64e-01	0.0308151	3.64e-01
ENSG00000142448	19	7989804	7993242	+	AC00339.1	antisense intron	antisense intron	-0.1248903	2.79e-01	0.0961288	4.97e-01	0.1454835	4.68e-01	0.0083568	9.67e-01	0.0202240	5.75e-01	0.0308151	3.64e-01	0.0308151	3.64e-01
ENSG00000192177	10	6211136	6237154	+	ENSG00000192177	antisense intron	antisense intron	-0.1248903	2.79e-01	0.0961288	4.97e-01	0.1454835	4.68e-01	0.0083568	9.67e-01	0.0202240	5.75e-01	0.0308151	3.64e-01	0.0308151	3.64e-01
ENSG00000101180	20	6214660	6222078	+	HRH8	antisense intron	antisense intron	-0.1062311	3.38e-01	0.1048255	4.53e-01	0.0083568	9.67e-01	0.0202240	5.75e-01	0.0308151	3.64e-01	0.0308151	3.64e-01	0.0308151	3.64e-01
ENSG00000202648	6	4012843	4021215	+	AL13883.1	antisense intron	antisense intron	-0.0992123	6.09e-01	0.0013055	9.93e-02	0.0843438	6.76e-01	0.0083568	9.67e-01	0.0202240	5.75e-01	0.0308151	3.64e-01	0.0308151	3.64e-01
ENSG00000102554	7	14269275	14269856	+	AVY	antisense intron	antisense intron	-0.0992123	6.09e-01	0.0013055	9.93e-02	0.0843438	6.76e-01	0.0083568	9.67e-01	0.0202240	5.75e-01	0.0308151	3.64e-01	0.0308151	3.64e-01
ENSG00000132604	6	4370758	4372160	+	AFG3P1	antisense intron	antisense intron	-0.0994843	7.32e-01	0.1543050	4.66e-02	0.1872728	3.62e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000109495	20	5957509	5964771	+	PHACTR3	antisense intron	antisense intron	-0.0513303	6.46e-01	0.1193211	4.09e-01	0.2154717	2.89e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000102023	11	4002488	4003206	+	CTD4P6	antisense intron	antisense intron	-0.0504313	7.45e-01	0.0276683	8.35e-01	0.0023797	5.81e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204542	2	5384912	5384905	+	MIR5882	antisense intron	antisense intron	-0.0504313	7.45e-01	0.0276683	8.35e-01	0.0023797	5.81e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000206019	1	146607040	146697779	+	NOTCH2NL18	antisense intron	antisense intron	-0.0093844	9.35e-01	0.0376777	8.16e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01	0.0304458	8.20e-01
ENSG00000219708	14	3717188	3717811	+	SIC25A1-AS1	antisense intron	antisense intron	-0.1489955	8.98e-01	0.0076563	9.38e-01	0.1572681	4.31e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000102029	22	11274609	11283604	+	CD49E	antisense intron	antisense intron	-0.0499382	6.08e-01	0.1245769	3.99e-01	0.0029050	9.20e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000180708	1	158418210	15842327	+	OR10C2	antisense intron	antisense intron	-0.0085749	6.91e-01	0.0137752	9.26e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01	0.0304458	8.20e-01
ENSG00000142409	9	11278136	11278516	+	SIC25A6	antisense intron	antisense intron	-0.1002520	3.85e-01	0.0229740	8.74e-01	0.0191879	9.24e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000138551	11	7241464	7241464	+	CDPOS	antisense intron	antisense intron	-0.1174464	2.94e-01	0.0166277	5.97e-01	0.2469967	4.00e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000171708	14	7713120	7714274	+	ZHMC22	antisense intron	antisense intron	-0.0952526	6.88e-01	0.1066212	4.61e-01	0.0096070	6.21e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204023	14	5814129	5814160	+	UBA2P3	antisense intron	antisense intron	-0.0418444	7.19e-01	0.0642666	7.48e-01	0.2191644	2.71e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000102027	17	11272881	11273270	+	ADP102.1	antisense intron	antisense intron	-0.1159968	3.81e-01	0.0410907	7.09e-01	0.2687383	1.76e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000171882	12	3995401	3994763	+	AC02464.3	antisense intron	antisense intron	-0.1023353	3.76e-01	0.0470952	7.45e-01	0.1646548	4.06e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204660	X	27468207	27468341	+	PPAR3C	antisense intron	antisense intron	-0.1023353	3.76e-01	0.0470952	7.45e-01	0.1646548	4.06e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000202875	18	3747887	3751640	+	BODIL1	antisense intron	antisense intron	-0.1594254	1.66e-01	0.0497476	8.11e-01	0.2087004	2.96e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204861	4	13041802	13045000	+	AC09849.1	antisense intron	antisense intron	-0.078968	4.96e-01	0.0080883	9.95e-01	0.0026036	7.93e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000106765	16	8621883	8649654	+	MEF1L2	antisense intron	antisense intron	-0.0423942	4.19e-01	0.1115971	4.42e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01	0.0304458	8.20e-01
ENSG00000177883	3	18017034	18017204	+	MAGF1	antisense intron	antisense intron	-0.1750816	1.28e-01	0.1314983	7.81e-01	0.2962055	1.34e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204047	18	3200448	3200448	+	CTD4P7	antisense intron	antisense intron	-0.0824228	6.19e-01	0.0292218	8.08e-01	0.0883744	7.47e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000146484	17	11973771	11983344	+	MAPK7	antisense intron	antisense intron	-0.0969896	4.03e-01	0.1052609	4.65e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01	0.0304458	8.20e-01
ENSG00000202766	16	31118078	31118747	+	AC135050.5	antisense intron	antisense intron	-0.129182	2.63e-01	0.0635277	6.61e-01	0.2601528	1.83e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000171721	15	2439270	2439270	+	CTD4P8	antisense intron	antisense intron	-0.0824228	6.19e-01	0.0292218	8.08e-01	0.0883744	7.47e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000170482	5	11936716	11938553	+	SIC13A1	antisense intron	antisense intron	-0.0841261	4.66e-01	0.0925373	8.65e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01	0.0304458	8.20e-01
ENSG00000144754	8	118484934	118487776	+	RAD21	antisense intron	antisense intron	-0.0991289	3.90e-01	0.1041911	6.01e-01	0.0402713	9.45e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000143217	15	4009129	4009129	+	AC09849.1	antisense intron	antisense intron	-0.078968	4.96e-01	0.0080883	9.95e-01	0.0026036	7.93e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000003322	19	39391303	39400441	+	ME29	antisense intron	antisense intron	-0.0991929	4.07e-01	0.1074335	6.07e-01	0.1743557	1.07e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204087	2	2748647	2748617	+	AC09953.1	antisense intron	antisense intron	-0.1748647	4.77e-01	0.0789276	6.10e-01	0.0020288	6.48e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000139971	14	3799975	3829819	+	ARMVA	antisense intron	antisense intron	-0.2215788	6.02e-01	0.0055502	9.50e-01	0.2974171	1.32e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204622	17	1252678	1251638	+	PRF4P20	antisense intron	antisense intron	-0.0524307	4.71e-01	0.0027009	9.29e-01	0.0027009	2.99e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000204628	16	3975803	3900378	+	AC12583.1	antisense intron	antisense intron	-0.1157006	3.17e-01	0.0031668	9.72e-01	0.0312121	6.68e-01	0.0083568	9.67e-01	0.0264101	8.38e-02	0.0066088	8.93e-01	0.0304458	8.20e-01
ENSG00000205559	8	14502931	14505046	+	ENF2P2-AS1	antisense intron	antisense intron	-0.1443089	2.13e-01	0.0197326	5.02e-01	0.0200713	9.67e-01	0.0083568	9.67e-01	0.0264					

Table with columns for gene ID, coordinates, gene name, protein name, and various numerical values. The table lists numerous genes such as LUBE1L5, IEF1A1P29, AC008464.1, etc., with their corresponding genomic coordinates and associated data points.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript name, and various numerical values. The table lists numerous genes such as ENTP4, MTRNR2L1, and others, with associated genomic data and expression values.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as AC104024.1, FSD1, AC099497.1, and many others, with associated genomic coordinates and numerical data points.

Table with columns for gene ID, coordinates, gene name, transcript type, and various annotations. The table lists numerous genes such as GRRB3, ZFP951, and others, with their genomic locations and associated data points.

ENSG0000022623	21	3230664	3230873	NRAP-AS1	ncrna	lncRNA	-0.000547	7.26e-01	-0.007419	9.57e-01	0.370249	5.71e-01	-0.033838	8.67e-01	-0.104809	4.51e-01	0.091464	8.96e-01	0.1709575	2.35e-01
ENSG0000019999	2	1837959	1831008	DUSP9	mRNA	mRNA	-0.148808	1.97e-01	-0.073936	5.00e-01	0.252948	2.01e-01	-0.033860	8.67e-01	-0.104809	4.51e-01	0.102645	1.08e-01	0.077407	1.22e-01
ENSG0000017831	18	1242478	2424493	SPY1-AS1	ncrna <td>lncRNA <td>-0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> </td>	lncRNA <td>-0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td>	-0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00
ENSG0000018875	2	21641414	21648303	SMARCA1	mRNA	mRNA	-0.031097	5.27e-01	-0.015268	9.44e-01	0.047377	8.14e-01	-0.033922	8.66e-01	-0.076438	8.03e-01	0.088316	4.06e-01	0.2214803	6.22e-01
ENSG0000025661	15	9109487	9109938	ACTL75-2	ncrna <td>lncRNA</td> <td>-0.127629</td> <td>2.08e-01</td> <td>-0.056743</td> <td>6.96e-01</td> <td>0.214289</td> <td>2.81e-01</td> <td>-0.033961</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.124932</td> <td>1.57e-01</td> <td>0.174529</td> <td>2.75e-01</td>	lncRNA	-0.127629	2.08e-01	-0.056743	6.96e-01	0.214289	2.81e-01	-0.033961	8.66e-01	-0.104809	4.51e-01	0.124932	1.57e-01	0.174529	2.75e-01
ENSG0000017676	4	2929761	2926266	HPF4	mRNA	mRNA	-0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00
ENSG0000097836	4	2930561	2934834	MFSD10	mRNA	mRNA	-0.019132	0.81e-01	-0.021281	8.04e-01	0.167528	4.04e-01	-0.034045	8.66e-01	-0.104809	4.51e-01	0.075819	8.91e-01	0.0556709	7.00e-01
ENSG0000027975	17	1063814	1062386	MYH4	mRNA	mRNA	-0.186238	1.05e-01	-0.069411	9.50e-01	0.174458	3.84e-01	-0.034062	8.66e-01	-0.104809	4.51e-01	0.277962	2.08e-01	0.095421	8.72e-01
ENSG0000017681	1	14250862	14257081	PCP4	mRNA	mRNA	-0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00
ENSG0000028079	5	11579878	11576543	AC00885-1	ncrna <td>lncRNA</td> <td>-0.040014</td> <td>7.04e-01</td> <td>-0.019568</td> <td>2.96e-01</td> <td>0.188951</td> <td>3.45e-01</td> <td>-0.034079</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.095421</td> <td>8.72e-01</td> <td>0.095421</td> <td>8.72e-01</td>	lncRNA	-0.040014	7.04e-01	-0.019568	2.96e-01	0.188951	3.45e-01	-0.034079	8.66e-01	-0.104809	4.51e-01	0.095421	8.72e-01	0.095421	8.72e-01
ENSG0000013608	3	5800840	5817251	FLNB	mRNA	mRNA	-0.187077	1.03e-01	-0.188379	1.90e-01	0.003801	8.85e-01	-0.034275	8.66e-01	-0.104809	4.51e-01	0.164549	4.50e-01	0.099459	4.92e-01
ENSG0000017831	18	1242478	2424493	SPY1-AS1	ncrna <td>lncRNA</td> <td>-0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td> <td>0.000000</td> <td>0.00e+00</td>	lncRNA	-0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00	0.000000	0.00e+00
ENSG0000077380	2	171687409	171750158	ANKP4	mRNA	mRNA	-0.080794	4.74e-01	-0.015006	9.14e-01	0.184217	3.58e-01	-0.034575	8.66e-01	-0.104809	4.51e-01	0.095421	8.72e-01	0.1296105	3.70e-01
ENSG0000027912	10	2659901	2669723	ALG9-3	ncrna <td>lncRNA</td> <td>0.0461860</td> <td>6.90e-01</td> <td>0.0871481</td> <td>5.47e-01</td> <td>0.088930</td> <td>6.56e-01</td> <td>-0.034204</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.160174</td> <td>4.65e-01</td> <td>0.1380427</td> <td>3.99e-01</td>	lncRNA	0.0461860	6.90e-01	0.0871481	5.47e-01	0.088930	6.56e-01	-0.034204	8.66e-01	-0.104809	4.51e-01	0.160174	4.65e-01	0.1380427	3.99e-01
ENSG000002927	27	1829395	1829296	DUSP2	mRNA	mRNA	-0.24552	8.33e-01	-0.074297	6.01e-01	0.151709	4.50e-01	-0.034206	8.66e-01	-0.104809	4.51e-01	0.180885	5.84e-01	0.098212	8.96e-01
ENSG0000027988	7	1821648	1820604	CEP350	mRNA	mRNA	-0.029794	4.38e-01	-0.022849	9.36e-01	0.202547	9.91e-01	-0.034209	8.66e-01	-0.104809	4.51e-01	0.151376	4.93e-01	0.097107	6.41e-01
ENSG0000026430	8	1213147	1213409	USP17-7	mRNA	mRNA	-0.10948	3.41e-01	-0.087151	9.07e-01	0.288455	1.45e-01	-0.034273	8.66e-01	-0.104809	4.51e-01	0.0785211	7.22e-01	0.1168579	9.11e-01
ENSG0000029584	15	4037204	4007704	ACU2175-2	ncrna <td>lncRNA</td> <td>-0.088485</td> <td>4.58e-01</td> <td>-0.022347</td> <td>8.89e-01</td> <td>0.207150</td> <td>8.91e-01</td> <td>-0.034219</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.074729</td> <td>8.28e-01</td> <td>0.1251706</td> <td>9.14e-01</td>	lncRNA	-0.088485	4.58e-01	-0.022347	8.89e-01	0.207150	8.91e-01	-0.034219	8.66e-01	-0.104809	4.51e-01	0.074729	8.28e-01	0.1251706	9.14e-01
ENSG0000027677	19	1261178	1261047	ITIH5-10P	mRNA	mRNA	-0.105647	6.20e-01	-0.114477	9.14e-01	0.137299	5.91e-01	-0.034241	8.66e-01	-0.104809	4.51e-01	0.086247	5.32e-01	0.086202	9.70e-01
ENSG0000013944	12	9543131	9568720	RAMD10	mRNA	mRNA	0.0069127	5.74e-01	0.137294	3.58e-01	0.435027	2.98e-01	-0.034284	8.66e-01	-0.104809	4.51e-01	0.246999	2.54e-01	0.2814000	4.77e-01
ENSG0000021260	3	1322103	1324282	RAP2C-AS1	ncrna <td>lncRNA</td> <td>-0.188863</td> <td>1.00e-01</td> <td>-0.102099</td> <td>4.80e-01</td> <td>0.186720</td> <td>3.51e-01</td> <td>-0.034186</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.0267673</td> <td>9.05e-01</td> <td>0.1176310</td> <td>4.16e-01</td>	lncRNA	-0.188863	1.00e-01	-0.102099	4.80e-01	0.186720	3.51e-01	-0.034186	8.66e-01	-0.104809	4.51e-01	0.0267673	9.05e-01	0.1176310	4.16e-01
ENSG0000015086	19	4987745	4988750	ITIH2	mRNA	mRNA	-0.22408	4.00e-01	-0.026628	7.00e-01	0.287291	7.91e-01	-0.034181	8.66e-01	-0.104809	4.51e-01	0.202928	3.38e-01	0.2164109	3.56e-01
ENSG0000015483	15	5913434	5917281	MYO1C	mRNA	mRNA	-0.069224	5.50e-01	-0.060519	8.00e-01	0.181956	3.66e-01	-0.034798	8.66e-01	-0.104809	4.51e-01	0.078357	7.45e-01	0.090577	4.95e-01
ENSG0000023831	5	17002488	17002866	MIR78E	ncrna <td>miRNA</td> <td>0.0273122</td> <td>8.11e-01</td> <td>0.0374627</td> <td>7.96e-01</td> <td>0.034739</td> <td>8.79e-01</td> <td>-0.034739</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.2269774</td> <td>8.00e-01</td> <td>0.1104850</td> <td>4.47e-01</td>	miRNA	0.0273122	8.11e-01	0.0374627	7.96e-01	0.034739	8.79e-01	-0.034739	8.66e-01	-0.104809	4.51e-01	0.2269774	8.00e-01	0.1104850	4.47e-01
ENSG0000021801	14	2052514	2050356	TRAF2	mRNA	lncRNA	-0.188874	1.09e-01	-0.183748	3.80e-01	0.0019268	9.97e-01	-0.034894	8.66e-01	-0.104809	4.51e-01	0.0841106	7.09e-01	0.0666702	7.48e-01
ENSG0000018993	4	5399370	5397120	LRRK6	mRNA	mRNA	-0.0011802	6.38e-01	0.0483437	7.78e-01	0.263757	1.87e-01	-0.034864	8.66e-01	-0.104809	4.51e-01	0.1089159	4.38e-01	0.1657881	2.00e-01
ENSG0000026277	7	13020707	13026889	ZNF80C	mRNA	mRNA	-0.1128180	3.99e-01	-0.1252173	7.65e-01	0.4461113	1.54e-01	-0.034864	8.66e-01	-0.104809	4.51e-01	0.1670941	4.66e-01	0.1758876	2.44e-01
ENSG0000026293	12	6438378	6438397	ATP11V3P	mRNA	processed_pseudo	0.0144997	9.00e-01	0.0347148	8.10e-01	0.184512	3.57e-01	-0.034808	8.66e-01	-0.104809	4.51e-01	0.090774	9.94e-01	0.098402	9.83e-01
ENSG0000018543	12	1266668	1267078	ITIH5-10P	mRNA	mRNA	-0.105647	6.20e-01	-0.114477	9.14e-01	0.137299	5.91e-01	-0.034241	8.66e-01	-0.104809	4.51e-01	0.086247	5.32e-01	0.086202	9.70e-01
ENSG0000010121	22	2344445	2347903	GTG1C2	mRNA	mRNA	0.0206117	8.00e-01	0.049588	8.61e-01	0.6921538	6.34e-01	-0.034185	8.66e-01	-0.104809	4.51e-01	0.2083407	3.00e-01	0.2310446	5.17e-01
ENSG0000017140	8	3910990	3928457	ADAM3	mRNA	mRNA	-0.106088	3.58e-01	-0.0517038	7.21e-01	0.0617793	7.59e-01	-0.034804	8.66e-01	-0.104809	4.51e-01	0.1738542	3.88e-01	0.1443461	7.00e-01
ENSG0000013601	2	6057061	6071117	ITIH5-10P	mRNA	mRNA	-0.105647	6.20e-01	-0.114477	9.14e-01	0.137299	5.91e-01	-0.034241	8.66e-01	-0.104809	4.51e-01	0.086247	5.32e-01	0.086202	9.70e-01
ENSG0000024461	11	6259597	6261814	AC01071-4	ncrna <td>lncRNA</td> <td>-0.0154622</td> <td>5.13e-01</td> <td>-0.0055482</td> <td>8.00e-01</td> <td>0.0262975</td> <td>2.23e-01</td> <td>-0.034441</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.0754249</td> <td>9.11e-01</td> <td>0.1111205</td> <td>7.05e-01</td>	lncRNA	-0.0154622	5.13e-01	-0.0055482	8.00e-01	0.0262975	2.23e-01	-0.034441	8.66e-01	-0.104809	4.51e-01	0.0754249	9.11e-01	0.1111205	7.05e-01
ENSG0000013011	19	1749918	1732388	DDA1	mRNA	mRNA	0.0592862	6.08e-01	-0.010727	8.00e-01	0.1293868	5.20e-01	-0.034713	8.66e-01	-0.104809	4.51e-01	0.189671	3.80e-01	0.1414464	9.22e-01
ENSG0000015039	12	9399529	9399529	ITIH5-10P	mRNA	mRNA	-0.105647	6.20e-01	-0.114477	9.14e-01	0.137299	5.91e-01	-0.034241	8.66e-01	-0.104809	4.51e-01	0.086247	5.32e-01	0.086202	9.70e-01
ENSG0000015404	16	2306136	2314970	USP11	mRNA	mRNA	-0.091951	4.11e-01	-0.056782	6.95e-01	0.1488182	4.74e-01	-0.034504	8.66e-01	-0.104809	4.51e-01	0.1275962	9.66e-01	0.0956538	9.07e-01
ENSG00000219862	12	13024979	13026723	AC06833-2	ncrna <td>lncRNA</td> <td>-0.0272872</td> <td>7.43e-01</td> <td>0.1545119</td> <td>2.84e-01</td> <td>0.179742</td> <td>8.88e-01</td> <td>-0.0345124</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.046008</td> <td>5.84e-01</td> <td>0.1305649</td> <td>3.66e-01</td>	lncRNA	-0.0272872	7.43e-01	0.1545119	2.84e-01	0.179742	8.88e-01	-0.0345124	8.66e-01	-0.104809	4.51e-01	0.046008	5.84e-01	0.1305649	3.66e-01
ENSG0000014480	4	1208498	1207499	RAB13	mRNA	mRNA	-0.07784	5.88e-01	-0.062957	6.62e-01	0.046336	8.19e-01	-0.034834	8.66e-01	-0.104809	4.51e-01	0.0505283	8.03e-01	0.00747	9.64e-01
ENSG0000021960	12	424948	4232817	AC06833-2	ncrna <td>lncRNA</td> <td>-0.0272872</td> <td>7.43e-01</td> <td>0.1545119</td> <td>2.84e-01</td> <td>0.179742</td> <td>8.88e-01</td> <td>-0.0345124</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.046008</td> <td>5.84e-01</td> <td>0.1305649</td> <td>3.66e-01</td>	lncRNA	-0.0272872	7.43e-01	0.1545119	2.84e-01	0.179742	8.88e-01	-0.0345124	8.66e-01	-0.104809	4.51e-01	0.046008	5.84e-01	0.1305649	3.66e-01
ENSG0000015545	5	5691802	5691765	MIR83	mRNA	mRNA	0.0291808	7.99e-01	0.0135885	2.87e-01	0.0106104	5.86e-01	-0.034505	8.66e-01	-0.104809	4.51e-01	0.1425441	8.31e-01	0.1748181	3.07e-01
ENSG0000026972	20	4071257	4075836	AC05562-2	ncrna <td>lncRNA</td> <td>-0.100332</td> <td>3.99e-01</td> <td>-0.105934</td> <td>4.64e-01</td> <td>0.253984</td> <td>2.04e-01</td> <td>-0.034241</td> <td>8.66e-01</td> <td>-0.104809</td> <td>4.51e-01</td> <td>0.072798</td> <td>7.14e-01</td> <td>0.0767911</td> <td>6.65e-01</td>	lncRNA	-0.100332	3.99e-01	-0.105934	4.64e-01	0.253984	2.04e-01	-0.034241	8.66e-01	-0.104809	4.51e-01	0.072798	7.14e-01	0.0767911	6.65e-01
ENSG0000014447	7	4248929	4248929	ITIH5-10P	mRNA	mRNA	-0.105647	6.20e-01	-0.114477	9.14e-01	0.137299	5.91e-01	-0.034241	8.66e-01	-0.104809	4.51e-01	0.086247	5.32e-01	0.086202	9.70e-01
ENSG0000010313	7	7312928	7314818	CFP1B1	mRNA	mRNA	-0.0866093	4.54e-01	-0.0707819	9.06e-01	0.5174199	5.71e-01	-0.034847	8.66e-01	-0.104809	4.51e-01	0.1262244	5.77e-01	0.1404601	6.11e-01
ENSG0000010376	22	4530988	4534195	FAM18A	mRNA	mRNA	-0.07004													

Table with columns for gene ID, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as ZDHHC2, LINC01809, TM6HE, etc., with their genomic coordinates and associated data points.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as KLRK4, KLRK5, KLRK6, etc., with their corresponding genomic data.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as TTPA, SAPPOR2, DMAP2, and many others, along with their genomic locations and associated data points.

ENSG0000021004	1	22838414	22838516	A1670278.2	havana	incRNA	protein coding	-0.101044	3.58E-01	-0.107665	3.65E-01	0.0414398	8.27E-01	-0.05502	7.85E-01	-0.1021025	4.63E-01	-0.004863	9.82E-01	-0.0203339	8.87E-01
ENSG0000010807	2	12779999	12779993	HSP68A1	mimic	mRNA	protein coding	-0.026299	1.57E-01	-0.197789	1.78E-01	0.0456287	2.15E-01	-0.05501	7.85E-01	-0.1021128	4.63E-01	-0.019911	1.92E-01	-0.1121953	7.83E-01
ENSG0000016638	3	11329499	11329504	W4E1	antisense	transcribed unit	YES	0.002575	9.24E-01	-0.026174	8.41E-01	0.0661366	1.84E-01	-0.05502	7.85E-01	-0.1021025	4.63E-01	-0.019911	1.92E-01	-0.1121953	7.83E-01
ENSG0000029506	4	11139439	11225877	AC02855.2	havana	incRNA	protein coding	-0.0257451	8.24E-01	-0.0276666	8.47E-01	0.0559877	7.82E-01	-0.05502	7.85E-01	-0.1021128	4.63E-01	-0.019911	1.92E-01	-0.1121953	7.83E-01
ENSG0000016506	5	4938438	4939016	DRXC	mimic	mRNA	protein coding	-0.066533	5.63E-01	-0.047466	7.00E-01	0.1675774	4.03E-01	-0.055077	7.85E-01	-0.091734	5.09E-01	-0.075992	7.21E-01	-0.0230442	8.81E-01
ENSG0000017367	6	11318457	11318460	P2203	mimic	mRNA	protein coding	-0.026174	8.24E-01	-0.026174	8.41E-01	0.0661366	1.84E-01	-0.05502	7.85E-01	-0.1021025	4.63E-01	-0.019911	1.92E-01	-0.1121953	7.83E-01
ENSG000002607	7	11888306	11888956	TBX3	mimic	mRNA	protein coding	-0.1532466	1.83E-01	-0.0056769	6.98E-01	0.1588854	4.26E-01	-0.055093	7.85E-01	-0.0237609	6.80E-01	-0.0466636	9.46E-01	-0.162316	2.96E-01
ENSG0000024308	8	34178405	34180793	RNF5	mimic	mRNA	protein coding	-0.0021278	9.17E-01	-0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055094	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000023297	9	11470818	11470818	LOC101928	antisense	transcribed unit	YES	-0.0021278	9.17E-01	-0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055094	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000012611	10	105897609	105715004	KRC3	mimic	mRNA	protein coding	-0.085202	4.51E-01	-0.0467279	7.84E-01	0.105193	7.97E-01	-0.055103	7.85E-01	-0.0237609	6.80E-01	-0.0958384	9.61E-01	-0.138031	3.90E-01
ENSG0000027832	11	5148884	5893806	CRMP1	mimic	mRNA	protein coding	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG000002721	12	12764599	12765033	AC02855.2	havana	incRNA	protein coding	-0.0257451	8.24E-01	-0.0276666	8.47E-01	0.0559877	7.82E-01	-0.05502	7.85E-01	-0.1021128	4.63E-01	-0.019911	1.92E-01	-0.1121953	7.83E-01
ENSG0000023491	13	13518055	13518479	AC12477.4	havana	unprocessed_pseud	YES	-0.0021278	9.17E-01	-0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000014064	14	7057348	7060759	PKF1	mimic	mRNA	protein coding	-0.023131	9.39E-01	-0.0251244	8.23E-01	0.105118	8.05E-01	-0.055188	7.85E-01	-0.0237609	6.80E-01	-0.0958384	9.61E-01	-0.138031	3.90E-01
ENSG0000012704	15	7078251	7078153	TRM1	mimic	mRNA	protein coding	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000017486	16	11393759	11393889	LOC101928	antisense	transcribed unit	YES	-0.0021278	9.17E-01	-0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000024871	17	46142716	46143394	AC04477.2	havana	incRNA	protein coding	-0.0829256	4.40E-01	-0.0132095	9.24E-01	0.1161054	5.64E-01	-0.0552054	7.84E-01	-0.1421148	4.05E-01	-0.1270616	5.77E-01	-0.101148	3.44E-01
ENSG0000024899	18	10203013	10206288	AL13558.1	havana	transcribed unit	YES	0.0486229	7.53E-01	-0.023605	8.76E-01	-0.114247	3.61E-01	-0.0552364	7.84E-01	-0.1027129	4.41E-01	-0.1270616	5.77E-01	-0.101148	3.44E-01
ENSG0000015421	19	747078	7486671	LOC101928	antisense	transcribed unit	YES	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000012406	20	5757235	5757542	ZNF48	mimic	mRNA	protein coding	-0.1220006	2.87E-01	-0.0815616	5.80E-01	-0.0252364	2.24E-01	-0.0552364	7.84E-01	-0.181675	3.75E-01	-0.1027129	4.41E-01	-0.1270616	5.77E-01
ENSG0000027376	21	11846234	11846201	LOC101928	antisense	transcribed unit	YES	-0.0021278	9.17E-01	-0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000014020	22	4353131	4350763	CBS	mimic	mRNA	protein coding	-0.100813	3.80E-01	-0.0806204	5.54E-01	0.1272928	3.80E-01	-0.0552364	7.84E-01	-0.1232809	4.68E-01	-0.024115	7.37E-01	-0.10599	4.73E-01
ENSG0000027971	23	2403973	24041501	AC09846.6	havana	tagene	incRNA	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000020202	24	8858143	8915276	AC06681.2	havana	incRNA	protein coding	-0.0266331	8.31E-01	-0.0469337	6.98E-01	0.0271189	2.87E-01	-0.055294	7.84E-01	-0.247259	7.14E-01	-0.156668	4.95E-01	-0.1242971	1.93E-01
ENSG0000014597	25	2787878	2777828	SLC8A8	mimic	mRNA	protein coding	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000012301	26	5099651	5100862	SLC19A3	mimic	mRNA	protein coding	-0.200869	1.58E-01	-0.143824	3.98E-01	0.0133766	9.55E-01	-0.05533	7.84E-01	-0.029533	8.98E-01	-0.24189	2.66E-01	-0.11931	3.99E-01
ENSG0000017807	27	6981426	6984487	KIF23	mimic	mRNA	protein coding	-0.1195504	3.00E-01	-0.078665	6.20E-01	0.1815103	3.65E-01	-0.055395	7.84E-01	-0.23818	4.81E-01	-0.08628	6.91E-01	-0.178663	2.11E-01
ENSG0000014821	28	7311075	7313128	NUD13	mimic	mRNA	protein coding	-0.086279	4.59E-01	-0.0407559	9.70E-01	0.0841377	7.50E-01	-0.055397	7.84E-01	-0.161391	2.44E-01	-0.109772	5.51E-01	-0.090734	6.84E-01
ENSG0000014660	29	5138264	5098214	AC06681.2	havana	incRNA	protein coding	-0.0266331	8.31E-01	-0.0469337	6.98E-01	0.0271189	2.87E-01	-0.055294	7.84E-01	-0.247259	7.14E-01	-0.156668	4.95E-01	-0.1242971	1.93E-01
ENSG0000024602	30	5138264	5098214	AC06681.2	havana	incRNA	protein coding	-0.0266331	8.31E-01	-0.0469337	6.98E-01	0.0271189	2.87E-01	-0.055294	7.84E-01	-0.247259	7.14E-01	-0.156668	4.95E-01	-0.1242971	1.93E-01
ENSG0000024884	31	1234505	1137873	SLOC2P-AS1	havana	incRNA	protein coding	-0.0088482	9.42E-01	-0.028535	8.44E-01	0.2864711	1.47E-01	-0.055428	7.84E-01	-0.000007	9.88E-01	-0.048634	9.10E-01	-0.151891	2.70E-01
ENSG0000017807	32	4344195	4350763	LOC101928	antisense	transcribed unit	YES	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000014636	33	30571291	30773818	DSN1	mimic	mRNA	protein coding	-0.028027	8.08E-01	-0.050468	8.34E-01	0.0414813	8.37E-01	-0.055481	7.84E-01	-0.096089	8.86E-01	-0.0292453	8.04E-01	-0.0714534	6.22E-01
ENSG0000014676	34	18678205	18678987	PAR1	mimic	mRNA	protein coding	-0.0511912	7.20E-01	-0.070288	6.00E-01	0.1972801	3.24E-01	-0.055485	7.83E-01	-0.0501139	7.15E-01	-0.0804245	7.06E-01	-0.1196058	3.33E-01
ENSG0000013120	35	5646818	5650123	LOC101928	antisense	transcribed unit	YES	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG0000025682	36	3871579	3910382	EPF2	mimic	mRNA	protein coding	-0.0501909	6.65E-01	-0.019994	2.49E-01	0.2401973	2.28E-01	-0.055518	7.83E-01	-0.0918103	7.75E-01	-0.127905	4.00E-01	-0.0291949	8.10E-01
ENSG0000021927	37	7093936	7095947	LOC10222	havana	incRNA	protein coding	-0.14701	2.00E-01	-0.0400101	7.67E-01	-0.118991	8.01E-01	-0.0555249	7.83E-01	-0.234821	4.74E-01	-0.089772	6.84E-01	-0.118781	3.17E-01
ENSG0000013132	38	14038843	14042761	GLGN	mimic	mRNA	protein coding	-0.106305	3.57E-01	-0.0120483	9.34E-01	-0.02848	8.88E-01	-0.055529	7.83E-01	-0.174024	2.11E-01	-0.001792	9.84E-01	-0.045103	8.37E-01
ENSG0000013132	39	6899126	6938672	LOC101928	antisense	transcribed unit	YES	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.85E-01	-0.041331	7.67E-01	-0.0237609	6.80E-01	-0.072889	9.02E-01
ENSG000000780	40	1772581	1776316	FAM76A	mimic	mRNA	protein coding	-0.060293	6.02E-01	-0.0331552	7.33E-01	0.0590716	7.70E-01	-0.055584	7.83E-01	-0.0194111	8.11E-01	-0.0199719	3.22E-01	-0.0949128	5.23E-01
ENSG0000023416	41	8574261	8574170	MIR510	mimic	mRNA	protein coding	-0.026138	8.21E-01	-0.026138	8.41E-01	0.0661366	1.84E-01	-0.055586	7.83E-01	-0.0324764	8.16E-01	-0.028949	8.80E-01	-0.151273	2.93E-01
ENSG0000026897	42	11318457	11318458	LOC101928	antisense	transcribed unit	YES	0.0021278	9.17E-01	0.0596330	6.81E-01	0.1626157	4.18E-01	-0.055118	7.8						

ENSG00000100884	14	24070837	24071020	CPNPE1	ensembl	havana	protein_coding	YES	-0.1299307	2.606	0.0067005	9.631	0.1881361	3.475	-0.0570948	7.776	-0.2057287	1.366	0.1115669	3.336	0.1922362	1.811
ENSG00000142727	22	4975767	4975800	HRP3P5	transcript_unannotated	havana	transcript_unannotated	YES	-0.1071234	3.524	-0.0793887	5.871	0.2641420	7.671	-0.0710084	7.776	-0.1246505	3.891	0.0284137	6.751	-0.0729465	
ENSG00000144049	22	2429785	2418086	ALKBH8	transcript_unannotated	havana	transcript_unannotated	YES	-0.0412768	1.986	-0.0175062	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000122000	20	2429785	2418086	ALKBH8	transcript_unannotated	havana	transcript_unannotated	YES	-0.0860053	4.445	-0.0511155	5.911	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000109990	6	8729972	8730047	HAPP1P2	transcript_unannotated	havana	transcript_unannotated	YES	-0.0490848	4.136	-0.0219912	9.296	0.2072138	3.003	-0.0713336	7.776	-0.1692749	2.216	0.0510187	9.486	-0.1155420	4.246
ENSG00000131000	19	5267076	5267131	IGFBP3	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000175821	1	5451447	5451783	AC09979P2	transcript_unannotated	havana	transcript_unannotated	YES	-0.0570843	6.224	-0.0340788	7.416	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000178440	20	4494256	5001164	TMM3B3-AS2	transcript_unannotated	havana	transcript_unannotated	YES	-0.0002313	9.982	-0.0637961	6.608	0.0376224	8.544	-0.0571803	7.776	-0.0772636	5.676	0.1625088	6.336	-0.0471993	7.546
ENSG00000170891	2	21500973	21502000	CPNPE1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000176944	2	21500973	21502000	CPNPE1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000149054	11	6926404	7001004	ZNF215	transcript_unannotated	havana	transcript_unannotated	YES	-0.1317662	3.254	-0.0773102	5.946	0.1846058	3.576	-0.0572802	7.776	-0.2298391	9.456	-0.0497116	8.226	-0.1382020	3.976
ENSG00000170811	28	4077831	4079456	CNK1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000176248	13	11557280	11559021	AL44212L1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0749102	3.524	-0.0099476	9.426	0.3448033	7.416	-0.0571803	7.776	-0.1767039	2.586	0.0968316	6.024	-0.2368246	3.986
ENSG00000125647	6	3136707	3137688	AL67188L3	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000171890	1	20509113	20509196	AL58382L1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0010529	9.276	-0.0573872	6.830	0.1789730	3.888	-0.0572173	7.776	-0.0707299	6.776	0.2437074	2.624	-0.1688422	2.416
ENSG00000120222	1	18131879	18132429	AC09844L4	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000153821	11	8781502	8781741	LINC02734	transcript_unannotated	havana	transcript_unannotated	YES	-0.1400044	3.684	-0.0648566	5.555	0.1187811	4.326	-0.0573872	7.776	-0.1186796	3.936	0.3906665	4.806	-0.1770266	2.624
ENSG00000170776	2	9071976	9072620	AC02805L1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0755454	5.146	-0.0510443	9.188	0.3115575	1.094	-0.0571432	7.776	-0.1427886	1.054	0.4096026	5.226	-0.0755454	6.024
ENSG00000126286	17	5021020	5023101	AC02191L2	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000103112	12	874133	891130	AC00480L1	transcript_unannotated	havana	transcript_unannotated	YES	-0.18244	1.214	-0.1146696	9.264	0.2110838	3.146	-0.0571803	7.776	-0.2804253	4.468	0.2102229	9.206	-0.1420527	3.916
ENSG00000133888	6	3345370	3345744	ZBTB79	transcript_unannotated	havana	transcript_unannotated	YES	-0.1799317	1.176	-0.0807722	5.778	0.3240994	9.706	-0.0571803	7.776	-0.2631304	5.464	0.0113946	9.206	-0.1868151	3.916
ENSG00000130628	17	4179251	4181868	ZNF594	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000129414	2	6082369	6083117	LINC01185	transcript_unannotated	havana	transcript_unannotated	YES	-0.115884	3.166	-0.0268377	8.876	0.0521457	9.506	-0.0573998	7.776	-0.1983163	1.514	0.0016666	9.636	-0.0515516	9.176
ENSG00000173848	10	5412357	5412956	NET1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000105714	3	3911578	3911869	AC04561L2	transcript_unannotated	havana	transcript_unannotated	YES	-0.1124462	3.306	-0.0478868	3.126	0.0404702	7.064	-0.0574493	7.776	-0.0868433	2.226	0.0737375	7.286	-0.0718977	9.024
ENSG00000120460	8	12006188	12013193	AC07918L4	transcript_unannotated	havana	transcript_unannotated	YES	-0.1124462	3.306	-0.0478868	3.126	0.0404702	7.064	-0.0574493	7.776	-0.0868433	2.226	0.0737375	7.286	-0.0718977	9.024
ENSG00000145429	9	4188014	4212910	CNTNAP8	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000109953	7	10046520	10046420	C7orf61	transcript_unannotated	havana	transcript_unannotated	YES	-0.0079256	9.456	-0.0174877	7.806	0.3840723	6.186	-0.0574641	7.776	-0.0199881	8.886	0.1027454	6.286	-0.1504927	2.986
ENSG00000158819	1	4079796	4080624	ZNF790	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG0000016554	8	8003445	8003123	P30D2	transcript_unannotated	havana	transcript_unannotated	YES	-0.1009744	3.824	-0.0470641	6.096	0.0307131	3.796	-0.0571432	7.776	-0.1399644	3.186	0.1095972	6.106	-0.0516688	7.776
ENSG0000016430	17	1750405	1751266	AC00556L6	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG0000013734	17	1732442	1732637	BNP3	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000183763	27	2868743	2874222	CHEK2	transcript_unannotated	havana	transcript_unannotated	YES	-0.1190312	3.024	-0.0631125	6.012	0.2036411	3.086	-0.0573239	7.776	-0.1511269	2.746	0.2351036	6.206	-0.1509734	5.064
ENSG0000011241	16	4657819	4662179	SHTK1P	transcript_unannotated	havana	transcript_unannotated	YES	-0.0083864	3.556	-0.0248651	8.646	0.2071238	7.986	-0.0573744	7.776	-0.2014731	1.446	0.1544805	4.826	-0.1152974	4.086
ENSG00000121117	17	12466740	12466740	HR23FB-IT1	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000118358	6	149999019	150005157	RHAI1P	transcript_unannotated	havana	transcript_unannotated	YES	-0.0083864	3.556	-0.0248651	8.646	0.2071238	7.986	-0.0573744	7.776	-0.2014731	1.446	0.1544805	4.826	-0.1152974	4.086
ENSG00000144619	17	1835602	1837670	KRR2	transcript_unannotated	havana	transcript_unannotated	YES	-0.1878665	1.426	-0.0762317	5.996	0.0240620	2.908	-0.0572903	7.776	-0.2331120	8.976	0.1026933	3.786	-0.0918168	5.886
ENSG00000139451	14	2059340	2070720	EGGA	transcript_unannotated	havana	transcript_unannotated	YES	-0.1908971	9.676	-0.0574493	6.926	0.2534919	2.024	-0.0571432	7.776	-0.2404808	5.246	0.2404808	4.826	-0.1917811	1.626
ENSG00000123821	13	13066843	13067423	C7orf61	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000148792	11	6512183	6512173	MIR449	transcript_unannotated	havana	transcript_unannotated	YES	-0.1958917	1.666	-0.1443125	3.176	0.1176789	5.586	-0.0576889	7.776	-0.1691029	2.126	0.0789782	9.736	-0.0865678	5.546
ENSG00000111118	1	11577058	11577058	HP24	transcript_unannotated	havana	transcript_unannotated	YES	-0.0597423	6.086	-0.0318657	9.926	0.1495956	4.586	-0.0571173	7.776	-0.0919109	4.746	0.1120566	6.116	-0.1379523	4.086
ENSG00000132861	17	4205670	4206766	AC09844L4	transcript_unannotated	havana	transcript_unannotated	YES	-0.0214778	1.986	-0.0120379	3.179	0.1409171	3.179	-0.0200914	3.179	-0.0200914	3.179	0.0092494	3.179	-0.0200914	3.179
ENSG00000121811	6	149999019	15000																			

ENSG0000028011	10	6239353	6237366	AC04597.1	havana	tagene	incRNA	-0.120868	2.95e-01	-0.079811	6.80e-01	-0.0883	6.61e-01	-0.059253	7.69e-01	-0.167679	2.26e-01	-0.088417	6.88e-01	-0.09607	5.04e-01		
ENSG000001785	4	9847037	9848311	TPSN5	ensembl	transcript	protein coding	-0.025942	8.21e-01	-0.043399	9.30e-01	-0.040293	8.41e-01	-0.059274	7.69e-01	-0.037246	7.98e-01	-0.11985	5.48e-01	-0.02777	5.68e-01		
ENSG000002996	17	8760185	8761368	MAGL4	ensembl	transcript	protein coding	-0.131798	1.94e-01	-0.073788	7.74e-01	-0.262029	7.61e-01	-0.059274	7.69e-01	-0.037246	7.98e-01	-0.081643	6.48e-01	-0.02777	5.68e-01		
ENSG00000144118	16	8760185	8761368	TPSN5	ensembl	transcript	protein coding	-0.149949	1.94e-01	-0.073788	7.74e-01	-0.262029	7.61e-01	-0.059274	7.69e-01	-0.037246	7.98e-01	-0.081643	6.48e-01	-0.02777	5.68e-01		
ENSG0000019134	6	2829297	2829298	NAIP1	ensembl	transcript	protein coding	-0.008023	7.42e-01	-0.042079	9.21e-01	-0.22165	2.61e-01	-0.059293	7.69e-01	-0.047079	8.00e-01	-0.042079	7.77e-01	-0.145207	3.14e-01		
ENSG0000014892	7	8760185	8761368	TPSN5	ensembl	transcript	protein coding	-0.008023	7.42e-01	-0.042079	9.21e-01	-0.22165	2.61e-01	-0.059293	7.69e-01	-0.047079	8.00e-01	-0.042079	7.77e-01	-0.145207	3.14e-01		
ENSG0000015065	10	4765426	4765601	DUSP8P1	ensembl	transcript	protein coding	-0.003649	9.86e-01	-0.004948	9.73e-01	-0.147976	3.00e-01	-0.059751	7.69e-01	-0.040769	7.80e-01	-0.04721	8.11e-01	-0.032436	1.04e-01		
ENSG0000025594	20	5426782	5426923	AL13882.2	ensembl	transcript	protein coding	-0.248003	2.97e-01	-0.12744	3.79e-01	-0.171195	3.91e-01	-0.059388	7.69e-01	-0.043184	3.11e-01	-0.075608	9.32e-01	-0.138808	3.36e-01		
ENSG0000013920	7	1816496	1816987	TRAF3M1	ensembl	transcript	protein coding	-0.142879	2.15e-01	-0.113804	3.59e-01	-0.178883	2.88e-01	-0.059424	7.69e-01	-0.048237	3.24e-01	-0.075608	9.32e-01	-0.138808	3.36e-01		
ENSG0000014282	1	1582873	1582877	KAT7A3	ensembl	transcript	protein coding	-0.07052	5.44e-01	-0.040589	9.12e-01	-0.120927	5.51e-01	-0.054238	7.69e-01	-0.055246	7.62e-01	-0.006782	9.75e-01	-0.043111	7.65e-01		
ENSG0000016323	17	8022738	8023075	CEP350	ensembl	transcript	protein coding	-0.148089	2.12e-01	-0.073508	9.46e-01	-0.132488	5.48e-01	-0.059428	7.69e-01	-0.032768	8.27e-01	-0.123248	5.46e-01	-0.102024	3.66e-01		
ENSG0000016339	6	11956560	11957640	YFAP6L1	ensembl	transcript	tagene	YES	YES	-0.059293	1.74e-01	-0.051233	9.93e-01	-0.141254	4.82e-01	-0.059428	7.69e-01	-0.044536	9.00e-01	-0.031894	9.10e-01	-0.103564	7.64e-01
ENSG0000017403	17	4155636	4157209	KRT9	ensembl	transcript	protein coding	YES	YES	-0.140248	2.22e-01	-0.049508	7.52e-01	-0.080468	6.89e-01	-0.059458	7.69e-01	-0.233884	6.89e-01	-0.12401	7.30e-01	-0.082689	5.37e-01
ENSG0000027419	7	14985400	14986429	AC04807.1	ensembl	transcript	incRNA	-0.102788	3.74e-01	-0.095344	7.81e-01	-0.045403	8.18e-01	-0.059444	7.69e-01	-0.171903	2.14e-01	-0.075792	9.73e-01	-0.020412	8.55e-01		
ENSG0000016332	17	4022738	4023075	CEP350	ensembl	transcript	protein coding	YES	YES	-0.148089	2.12e-01	-0.073508	9.46e-01	-0.132488	5.48e-01	-0.059428	7.69e-01	-0.032768	8.27e-01	-0.123248	5.46e-01	-0.102024	3.66e-01
ENSG0000016332	10	2349458	2344280	OTUD1	ensembl	transcript	protein coding	-0.149597	1.94e-01	-0.072293	6.93e-01	-0.137993	1.04e-01	-0.059516	7.69e-01	-0.197449	1.52e-01	-0.081484	7.12e-01	-0.240807	1.16e-01	-0.140207	1.16e-01
ENSG0000017025	19	5795847	5794734	CTCFB1	ensembl	transcript	protein coding	-0.084544	4.65e-01	-0.080943	5.39e-01	-0.175247	3.92e-01	-0.059245	7.69e-01	-0.078252	7.47e-01	-0.059569	7.87e-01	-0.10212	4.80e-01	-0.10212	4.80e-01
ENSG0000016919	7	2134787	2134715	AC00274.1	ensembl	transcript	incRNA	-0.041979	7.17e-01	-0.00203	9.11e-01	-0.19862	3.84e-01	-0.059258	7.69e-01	-0.042956	7.49e-01	-0.059677	8.17e-01	-0.05174	2.74e-01	-0.05174	2.74e-01
ENSG0000017189	7	1779061	1794501	SNX3	ensembl	transcript	protein coding	-0.057184	2.70e-01	-0.048239	6.55e-01	-0.274771	1.66e-01	-0.059258	7.69e-01	-0.141186	6.80e-01	-0.046043	7.32e-01	-0.143445	2.94e-01	-0.046043	2.94e-01
ENSG0000017885	11	82614	81391	CRACK2	ensembl	transcript	protein coding	-0.070455	5.43e-01	-0.071449	6.22e-01	-0.200778	2.96e-01	-0.059254	7.69e-01	-0.088497	5.42e-01	-0.17186	4.79e-01	-0.031075	7.65e-01	-0.031075	7.65e-01
ENSG0000013070	18	178205	181276	ATP8B1	ensembl	transcript	protein coding	-0.1128	3.29e-01	-0.085138	5.56e-01	-0.118678	4.26e-01	-0.059509	7.69e-01	-0.127283	1.59e-01	-0.118023	5.92e-01	-0.118023	5.92e-01	-0.118023	5.92e-01
ENSG0000029756	4	3817328	3819355	EXOSC6M1	ensembl	transcript	incRNA	-0.056573	6.93e-01	-0.074327	6.08e-01	-0.006367	9.74e-01	-0.059606	7.69e-01	-0.032663	8.37e-01	-0.039563	7.48e-01	-0.049527	8.10e-01	-0.049527	8.10e-01
ENSG00000106338	7	15033317	15034162	BARR2E2	ensembl	transcript	protein coding	-0.159635	8.82e-01	-0.114721	2.07e-01	-0.087847	6.63e-01	-0.059263	7.69e-01	-0.205465	1.35e-01	-0.076581	5.15e-01	-0.155131	8.20e-01	-0.155131	8.20e-01
ENSG0000021245	6	4458474	4459545	LAPK4-AS1	ensembl	transcript	incRNA	-0.049527	6.94e-01	-0.091282	5.89e-01	-0.027190	9.18e-01	-0.059628	7.69e-01	-0.127272	3.59e-01	-0.079642	7.94e-01	-0.071498	9.04e-01	-0.071498	9.04e-01
ENSG0000027815	9	3974854	3981097	GUBB	ensembl	transcript	incRNA	-0.007381	9.90e-01	-0.054604	6.91e-01	-0.086610	8.58e-01	-0.059649	7.69e-01	-0.062671	2.98e-01	-0.067432	7.65e-01	-0.067432	7.65e-01	-0.067432	7.65e-01
ENSG0000017524	22	4626761	4629488	ITIC8	ensembl	transcript	protein coding	-0.007744	9.74e-01	-0.023444	8.72e-01	-0.093630	6.42e-01	-0.059669	7.69e-01	-0.036765	8.98e-01	-0.036765	8.98e-01	-0.036765	8.98e-01	-0.036765	8.98e-01
ENSG0000016996	1	2378784	2378952	PNP2	ensembl	transcript	protein coding	-0.144388	2.13e-01	-0.10788	4.00e-01	-0.124408	5.36e-01	-0.059878	7.67e-01	-0.129235	1.83e-01	-0.128484	5.78e-01	-0.026017	9.41e-01	-0.026017	9.41e-01
ENSG0000029846	1	1032444	1032107	RPL7	ensembl	transcript	protein coding	-0.013107	9.14e-01	-0.013107	9.14e-01	-0.013107	9.14e-01	-0.013107	9.14e-01	-0.013107	9.14e-01	-0.013107	9.14e-01	-0.013107	9.14e-01	-0.013107	9.14e-01
ENSG00000143400	8	8011151	8010548	SERINC3	ensembl	transcript	protein coding	-0.197458	8.51e-01	-0.164745	3.00e-01	-0.060468	9.81e-01	-0.058911	7.67e-01	-0.241203	7.88e-01	-0.22895	8.66e-01	-0.227306	7.06e-01	-0.227306	7.06e-01
ENSG0000017698	11	499451	500536	OR5L11	ensembl	transcript	protein coding	YES	YES	-0.079293	7.00e-01	-0.031349	8.29e-01	-0.174965	3.81e-01	-0.059662	7.67e-01	-0.110769	2.44e-01	-0.151562	4.80e-01	-0.151562	4.80e-01
ENSG0000014263	6	6042268	6044818	AC02363.1	ensembl	transcript	tagene	YES	YES	-0.059293	1.74e-01	-0.051233	9.93e-01	-0.141254	4.82e-01	-0.059428	7.69e-01	-0.044536	9.00e-01	-0.031894	9.10e-01	-0.103564	7.64e-01
ENSG0000015840	2	12011007	12012428	AC02363.2	ensembl	transcript	incRNA	-0.043076	7.09e-01	-0.159055	4.89e-01	-0.059712	7.67e-01	-0.034105	8.05e-01	-0.058502	6.98e-01	-0.058502	6.98e-01	-0.058502	6.98e-01	-0.058502	6.98e-01
ENSG0000021900	2	4639219	4639228	LINC0128	ensembl	transcript	incRNA	-0.113699	3.75e-01	-0.024557	9.86e-01	-0.009448	8.61e-01	-0.059723	7.67e-01	-0.187224	1.74e-01	-0.124978	5.70e-01	-0.066799	7.49e-01	-0.066799	7.49e-01
ENSG0000027827	13	1383507	1383507	ITIC8	ensembl	transcript	protein coding	-0.149597	1.94e-01	-0.072293	6.93e-01	-0.137993	1.04e-01	-0.059516	7.69e-01	-0.197449	1.52e-01	-0.081484	7.12e-01	-0.240807	1.16e-01	-0.140207	1.16e-01
ENSG0000029236	17	6628319	6640456	AC04706.3	ensembl	transcript	incRNA	-0.137258	2.34e-01	-0.020615	2.96e-01	-0.059755	7.67e-01	-0.127254	2.74e-01	-0.209272	7.67e-01	-0.209272	7.67e-01	-0.209272	7.67e-01	-0.209272	7.67e-01
ENSG0000013943	12	9158528	9159328	SNRPB	ensembl	transcript	protein coding	-0.037049	5.05e-01	-0.116182	3.81e-01	-0.088888	6.74e-01	-0.059738	7.67e-01	-0.047239	7.31e-01	-0.140036	3.26e-01	-0.022832	8.75e-01	-0.022832	8.75e-01
ENSG0000017903	7	8783568	8787640	SLC25A4	ensembl	transcript	protein coding	-0.103776	1.84e-01	-0.079840	5.00e-01	-0.059492	7.68e-01	-0.059749	7.67e-01	-0.209483	1.30e-01	-0.079783	7.21e-01	-0.079783	7.21e-01	-0.079783	7.21e-01
ENSG0000018986	1	7449713	7449717	RPL9	ensembl	transcript	protein coding	YES	YES	-0.049724	9.49e-01	-0.049724	9.49e-01	-0.049724	9.49e-01	-0.049724	9.49e-01	-0.049724	9.49e-01	-0.049724	9.49e-01	-0.049724	9.49e-01
ENSG0000013529	2	2350571	2350576	AGAP1P1	ensembl	transcript	incRNA	-0.113731	3.25e-01	-0.040365	3.00e-01	-0.008168	9.97e-01	-0.059473	7.67e-01	-0.095473	4.92e-01	-0.134068	6.00e-01	-0.071388	2.44e-01	-0.071388	2.44e-01
ENSG0000020225	16	5638889	5637928	ZNF429	ensembl	transcript	unprocessed	-0.140273	1.54e-01	-0.040279	7.69e-01	-0.200819	2.97e-01	-0.059779	7.67e-01	-0.251569	6.68e-01	-0.132078	5.42e-01	-0.179138	2.18e-01	-0.179138	2.18e-01

Gene ID	Gene Name	Accession	Chromosome	Start	End	Strand	Transcript	Protein	RefSeq	Ensembl	UniProt	NCBI	EMBL	GenBank	CCDS	RefSeq	Ensembl	UniProt	NCBI	EMBL	GenBank	CCDS							
ENSG0000027285	LOC101928128	31232129	3	31232128	31232178	+	HNRNPA1P2	hnRNA	processed_pseudo							-0.044433	7.01E-01	-0.007561	9.58E-01	0.147883	4.61E-01	-0.063161	7.54E-01	-0.007894	5.28E-01	-0.070196	7.50E-01	0.050209	7.30E-01
ENSG0000024209	LOC101928129	12345678	12	12345678	12345678	+	SNRPB	protein_coding	SNRPB	SNRPB	P09876	U00001	U00001	U00001	U00001	0.002273	8.81E-02	-0.114270	4.41E-01	0.114270	4.41E-01	-0.063161	7.54E-01	-0.072289	6.08E-01	-0.253147	2.79E-01	-0.147209	2.74E-01
ENSG0000025041	LOC101928130	960399	1	960399	960420	+	LOC101928130	processed_pseudo								-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG0000022557	LOC101928131	3361359	3	3361359	3361749	+	HERPUD2	protein_coding	HERPUD2	HERPUD2	P12345	U00001	U00001	U00001	U00001	0.007617	5.07E-01	-0.065812	7.50E-01	0.065812	7.50E-01	-0.063161	7.54E-01	-0.074635	2.90E-01	-0.165147	0.51E-01	-0.073874	2.74E-01
ENSG0000013920	LOC101928132	4865311	12	4865311	4868278	+	STX16L1	protein_coding	STX16L1	STX16L1	P67890	U00001	U00001	U00001	U00001	0.008412	4.71E-01	-0.001944	6.09E-01	0.076570	7.95E-01	-0.063209	7.53E-01	-0.072766	3.34E-01	-0.089924	4.90E-01	0.009924	4.90E-01
ENSG0000025050	LOC101928133	12345678	12	12345678	12345678	+	LOC101928133	processed_pseudo								-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG0000067074	LOC101928134	7445339	7	7445339	7460205	+	GTJ10L1	protein_coding	GTJ10L1	GTJ10L1	P12345	U00001	U00001	U00001	U00001	0.001217	2.86E-01	-0.029289	9.88E-01	0.130324	5.02E-01	-0.063274	7.53E-01	-0.072375	1.01E-01	-0.152814	2.84E-01	0.001217	2.86E-01
ENSG0000013706	LOC101928135	7692114	7	7692114	7692778	+	IMP1	protein_coding	IMP1	IMP1	P67890	U00001	U00001	U00001	U00001	0.002563	8.25E-01	-0.018397	8.98E-01	0.2061234	3.16E-01	-0.063275	7.53E-01	-0.072029	9.41E-01	-0.188701	3.99E-01	-0.021203	8.73E-01
ENSG0000013921	LOC101928136	12345678	12	12345678	12345678	+	LOC101928136	processed_pseudo								-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG0000013365	LOC101928137	14799808	14	14799808	14799808	+	DPY3L3	protein_coding	DPY3L3	DPY3L3	P12345	U00001	U00001	U00001	U00001	0.011968	2.91E-01	-0.058839	5.58E-01	0.258415	1.93E-01	-0.063281	7.53E-01	-0.071851	1.96E-01	-0.105884	3.25E-01	0.015884	3.25E-01
ENSG0000013760	LOC101928138	17984380	17	17984380	17993365	+	FGF1	protein_coding	FGF1	FGF1	P67890	U00001	U00001	U00001	U00001	0.013075	2.56E-01	-0.076629	5.97E-01	0.158717	4.44E-01	-0.063589	7.53E-01	-0.073490	8.84E-01	-0.152426	4.82E-01	-0.143134	3.21E-01
ENSG0000023973	LOC101928139	12345678	12	12345678	12345678	+	LOC101928139	processed_pseudo								-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG0000025772	LOC101928140	10254751	10	10254751	10257847	+	LINC02401	lincRNA	lincRNA	YES	YES	YES	YES	YES	YES	-0.006461	1.05E-01	-0.064471	7.94E-01	0.186045	1.94E-01	-0.063573	7.53E-01	-0.075113	6.01E-01	-0.242575	0.57E-01	-0.223124	3.12E-01
ENSG0000013406	LOC101928141	5813329	5	5813329	5813362	+	ZNF74	protein_coding	ZNF74	ZNF74	P12345	U00001	U00001	U00001	U00001	0.156076	1.75E-01	-0.112472	1.81E-01	0.1507749	3.47E-01	-0.063652	7.52E-01	-0.074210	3.78E-01	-0.094788	6.77E-01	0.044786	7.20E-01
ENSG0000017968	LOC101928142	2904139	2	2904139	2904140	+	Metazoan SRP	misc_RNA	misc_RNA							-0.117372	1.71E-01	-0.113413	4.41E-01	0.114938	5.68E-01	-0.063663	7.52E-01	-0.072019	1.35E-01	-0.070705	2.21E-01	-0.037492	8.73E-01
ENSG0000012981	LOC101928143	6780021	6	6780021	6780042	+	LINC0039	lincRNA	lincRNA							0.006612	5.96E-01	-0.007868	8.48E-01	0.017664	2.84E-01	-0.063693	7.53E-01	-0.075113	2.88E-01	-0.092628	3.97E-01	0.006612	5.96E-01
ENSG0000024432	LOC101928144	12878174	12	12878174	12878448	+	RN716L8P	protein_coding	RN716L8P	RN716L8P	P12345	U00001	U00001	U00001	U00001	0.003449	7.74E-01	-0.113958	4.84E-01	0.080259	6.59E-01	-0.063711	7.52E-01	-0.072158	9.24E-01	-0.011249	9.18E-01	0.003449	7.74E-01
ENSG0000018635	LOC101928145	7248500	7	7248500	7279159	+	ARAF1	protein_coding	ARAF1	ARAF1	P67890	U00001	U00001	U00001	U00001	0.0073814	9.49E-01	-0.080652	9.52E-01	0.294457	6.21E-01	-0.063720	7.52E-01	-0.072830	8.94E-01	-0.126778	5.64E-01	-0.104420	7.79E-01
ENSG0000025075	LOC101928146	12345678	12	12345678	12345678	+	LOC101928146	processed_pseudo								-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG0000025853	LOC101928147	5846641	5	5846641	5918247	+	LINC01502	lincRNA	lincRNA	YES	YES	YES	YES	YES	YES	-0.146897	2.02E-01	-0.041506	4.04E-01	0.063764	7.75E-01	-0.063770	7.52E-01	-0.074100	3.81E-01	-0.089771	7.52E-01	-0.088723	5.42E-01
ENSG0000025663	LOC101928148	16492094	16	16492094	16493407	+	LINC02580	lincRNA	lincRNA							-0.001792	3.80E-01	-0.013704	9.14E-01	0.0257177	9.06E-01	-0.063797	7.52E-01	-0.072099	1.41E-01	-0.087975	6.90E-01	0.025238	6.62E-01
ENSG0000027473	LOC101928149	3368780	3	3368780	3369250	+	LOC08781.1	lincRNA	lincRNA							-0.002333	8.27E-01	-0.001692	9.81E-01	0.051211	8.00E-01	-0.063773	7.52E-01	-0.072024	1.65E-01	-0.022941	9.17E-01	0.018138	7.66E-01
ENSG0000025772	LOC101928150	10254751	10	10254751	10257847	+	LINC02401	lincRNA	lincRNA	YES	YES	YES	YES	YES	YES	-0.006461	1.05E-01	-0.064471	7.94E-01	0.186045	1.94E-01	-0.063573	7.53E-01	-0.075113	6.01E-01	-0.242575	0.57E-01	-0.223124	3.12E-01
ENSG0000013406	LOC101928151	5813329	5	5813329	5813362	+	ZNF74	protein_coding	ZNF74	ZNF74	P12345	U00001	U00001	U00001	U00001	0.156076	1.75E-01	-0.112472	1.81E-01	0.1507749	3.47E-01	-0.063652	7.52E-01	-0.074210	3.78E-01	-0.094788	6.77E-01	0.044786	7.20E-01
ENSG0000017968	LOC101928152	2904139	2	2904139	2904140	+	Metazoan SRP	misc_RNA	misc_RNA							-0.117372	1.71E-01	-0.113413	4.41E-01	0.114938	5.68E-01	-0.063663	7.52E-01	-0.072019	1.35E-01	-0.070705	2.21E-01	-0.037492	8.73E-01
ENSG0000012981	LOC101928153	6780021	6	6780021	6780042	+	LINC0039	lincRNA	lincRNA							0.006612	5.96E-01	-0.007868	8.48E-01	0.017664	2.84E-01	-0.063693	7.53E-01	-0.075113	2.88E-01	-0.092628	3.97E-01	0.006612	5.96E-01
ENSG0000024432	LOC101928154	12878174	12	12878174	12878448	+	RN716L8P	protein_coding	RN716L8P	RN716L8P	P12345	U00001	U00001	U00001	U00001	0.003449	7.74E-01	-0.113958	4.84E-01	0.080259	6.59E-01	-0.063711	7.52E-01	-0.072158	9.24E-01	-0.011249	9.18E-01	0.003449	7.74E-01
ENSG0000018635	LOC101928155	7248500	7	7248500	7279159	+	ARAF1	protein_coding	ARAF1	ARAF1	P67890	U00001	U00001	U00001	U00001	0.0073814	9.49E-01	-0.080652	9.52E-01	0.294457	6.21E-01	-0.063720	7.52E-01	-0.072830	8.94E-01	-0.126778	5.64E-01	-0.104420	7.79E-01
ENSG0000025075	LOC101928156	12345678	12	12345678	12345678	+	LOC101928156	processed_pseudo								-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG0000025853	LOC101928157	5846641	5	5846641	5918247	+	LINC01502	lincRNA	lincRNA	YES	YES	YES	YES	YES	YES	-0.146897	2.02E-01	-0.041506	4.04E-01	0.063764	7.75E-01	-0.063770	7.52E-01	-0.074100	3.81E-01	-0.089771	7.52E-01	-0.088723	5.42E-01
ENSG0000025663	LOC101928158	16492094	16	16492094	16493407	+	LINC02580	lincRNA	lincRNA							-0.001792	3.80E-01	-0.013704	9.14E-01	0.0257177	9.06E-01	-0.063797	7.52E-01	-0.072099	1.41E-01	-0.087975	6.90E-01	0.025238	6.62E-01
ENSG0000027473	LOC101928159	3368780	3	3368780	3369250	+	LOC08781.1	lincRNA	lincRNA							-0.002333	8.27E-01	-0.001692	9.81E-01	0.051211	8.00E-01	-0.063773	7.52E-01	-0.072024	1.65E-01	-0.022941	9.17E-01	0.018138	7.66E-01
ENSG0000025772	LOC101928160	10254751	10	10254751	10257847	+	LINC02401	lincRNA	lincRNA	YES	YES	YES	YES	YES	YES	-0.006461	1.05E-01	-0.064471	7.94E-01	0.186									

ENSG0000027672	13	20070250	20071236	KRRP1L	havana	processed_pseudo	YES	YES	-0.259825	2.25e-04	-0.2147741	1.34e-01	0.1504502	4.37e-01	-0.0679987	7.36e-01	-0.1340706	2.05e-01	-0.1072182	6.26e-01	-0.1400208	3.32e-01
ENSG0000046900	4	996800	9961166	ARPC2D26.1	havana	mRNA			-0.156248	8.82e-02	-0.087895	5.68e-01	0.2617613	1.87e-01	0.0600031	7.36e-01	0.2809696	9.86e-01	0.0714114	7.66e-01	-0.1079004	2.44e-01
ENSG0000011191	4	10545310	9945112	AC0244.11	havana	mRNA			-0.103841	2.58e-01	-0.0197769	7.70e-01	0.1881373	7.94e-01	0.0600031	7.36e-01	0.1110541	6.35e-01	0.1110541	6.35e-01	0.0524489	7.68e-01
ENSG0000014895	11	12506302	12509616	SIC12.2	ensembl	mRNA			-0.103841	2.58e-01	-0.0197769	7.70e-01	0.1881373	7.94e-01	0.0600031	7.36e-01	0.1110541	6.35e-01	0.1110541	6.35e-01	0.0524489	7.68e-01
ENSG0000017448	11	1309171	13102943	TOP1L3	ensembl	mRNA			-0.107608	1.62e-01	-0.0318143	1.56e-01	0.1539511	4.43e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000016972	7	12306004	12944048	LOC101928	ensembl	mRNA			-0.085642	6.12e-01	-0.0084643	5.96e-01	0.1506854	1.57e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000013544	12	113056709	113098028	ITP1L3	ensembl	mRNA			-0.085642	6.12e-01	-0.0084643	5.96e-01	0.1506854	1.57e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000012887	6	13118435	13118484	AL117222.1	havana	processed_pseudo			-0.175134	1.28e-01	-0.0948644	5.12e-01	0.1857475	3.54e-01	0.0600031	7.36e-01	0.2239457	1.04e-01	-0.1438768	5.14e-01	-0.1601561	5.92e-01
ENSG0000017021	2	2322299	23202863	LOC121214	ensembl	transcribed_unappr	YES	YES	-0.123248	4.45e-01	-0.0024643	5.89e-01	0.1521770	2.88e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000012486	19	1523519	15323245	BRD4	ensembl	mRNA			-0.050009	9.65e-01	-0.015009	6.88e-01	0.0512829	7.94e-01	0.0600031	7.36e-01	0.0554023	7.99e-01	0.0554023	7.99e-01	0.0054401	9.28e-01
ENSG0000013888	6	27173814	27210783	AC019011.1	havana	transcribed_unappr			-0.162452	1.58e-01	-0.1196548	4.08e-01	0.1500004	4.49e-01	0.0600031	7.36e-01	0.1972444	1.53e-01	-0.0981707	6.56e-01	-0.1317815	3.62e-01
ENSG0000013204	2	7032356	7032356	LOC121214	ensembl	transcribed_unappr	YES	YES	-0.123248	4.45e-01	-0.0024643	5.89e-01	0.1521770	2.88e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000017543	15	5698812	5698812	AC019011.1	havana	mRNA			-0.09832	0.82e-01	-0.219033	1.21e-01	0.1557171	4.47e-01	0.0600031	7.36e-01	0.1921054	5.07e-01	-0.1292104	5.57e-01	-0.134344	3.62e-01
ENSG00000126670	9	2652856	2654371	AL040611.1	havana	transcribed_unappr	YES	YES	-0.0202964	8.61e-01	-0.0145977	4.83e-01	0.09291314	6.22e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000012483	20	3543329	3543450	GDPS-AS1	havana	mRNA			-0.107802	3.54e-01	-0.0200027	7.30e-01	0.120883	3.15e-01	0.0600031	7.36e-01	0.1074981	5.34e-01	-0.0648895	7.69e-01	-0.1510975	2.93e-01
ENSG0000012494	2	149266171	14927012	ZNF783	ensembl	mRNA			-0.124308	3.17e-01	-0.0012466	9.91e-01	0.0600031	7.36e-01	0.124308	3.17e-01	0.0600031	7.36e-01	0.124308	3.17e-01	0.0600031	7.36e-01
ENSG0000017055	12	12044864	12044864	TRAP1	ensembl	mRNA			-0.0549935	6.44e-01	-0.0248134	6.61e-01	0.0800711	6.62e-01	0.0600031	7.36e-01	0.1021935	8.17e-01	0.1252045	1.13e-01	0.1393420	3.34e-01
ENSG0000013544	16	19555240	19706793	VPS15	ensembl	mRNA			-0.0781073	4.98e-01	-0.023049	8.74e-01	0.1271372	3.71e-01	0.0600031	7.36e-01	0.1271372	3.71e-01	0.1271372	3.71e-01	0.0600031	7.36e-01
ENSG0000012483	2	7032356	7032356	LOC121214	ensembl	transcribed_unappr	YES	YES	-0.123248	4.45e-01	-0.0024643	5.89e-01	0.1521770	2.88e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000018713	1	34792999	3479574	GLI4	ensembl	mRNA			-0.0872326	4.51e-01	-0.0456427	6.66e-01	0.0600031	7.36e-01	0.145688	2.98e-01	0.0600031	7.36e-01	0.0600031	7.36e-01	0.0600031	7.36e-01
ENSG0000013520	3	1549125	15638422	FBLN2	ensembl	mRNA			-0.1991652	8.25e-02	-0.081542	5.61e-01	0.1016438	9.46e-01	0.0600031	7.36e-01	0.194588	9.06e-01	0.1035461	7.06e-01	-0.0279989	8.56e-01
ENSG0000012483	2	7032356	7032356	LOC121214	ensembl	transcribed_unappr	YES	YES	-0.123248	4.45e-01	-0.0024643	5.89e-01	0.1521770	2.88e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000013888	6	27173814	27210783	AC019011.1	havana	transcribed_unappr			-0.162452	1.58e-01	-0.1196548	4.08e-01	0.1500004	4.49e-01	0.0600031	7.36e-01	0.1972444	1.53e-01	-0.0981707	6.56e-01	-0.1317815	3.62e-01
ENSG0000017543	15	5698812	5698812	AC019011.1	havana	mRNA			-0.09832	0.82e-01	-0.219033	1.21e-01	0.1557171	4.47e-01	0.0600031	7.36e-01	0.1921054	5.07e-01	-0.1292104	5.57e-01	-0.134344	3.62e-01
ENSG00000126670	9	2652856	2654371	AL040611.1	havana	transcribed_unappr	YES	YES	-0.0202964	8.61e-01	-0.0145977	4.83e-01	0.09291314	6.22e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000012483	20	3543329	3543450	GDPS-AS1	havana	mRNA			-0.107802	3.54e-01	-0.0200027	7.30e-01	0.120883	3.15e-01	0.0600031	7.36e-01	0.1074981	5.34e-01	-0.0648895	7.69e-01	-0.1510975	2.93e-01
ENSG0000012494	2	149266171	14927012	ZNF783	ensembl	mRNA			-0.124308	3.17e-01	-0.0012466	9.91e-01	0.0600031	7.36e-01	0.124308	3.17e-01	0.0600031	7.36e-01	0.124308	3.17e-01	0.0600031	7.36e-01
ENSG0000017055	12	12044864	12044864	TRAP1	ensembl	mRNA			-0.0549935	6.44e-01	-0.0248134	6.61e-01	0.0800711	6.62e-01	0.0600031	7.36e-01	0.1021935	8.17e-01	0.1252045	1.13e-01	0.1393420	3.34e-01
ENSG0000013544	16	19555240	19706793	VPS15	ensembl	mRNA			-0.0781073	4.98e-01	-0.023049	8.74e-01	0.1271372	3.71e-01	0.0600031	7.36e-01	0.1271372	3.71e-01	0.1271372	3.71e-01	0.0600031	7.36e-01
ENSG0000012483	2	7032356	7032356	LOC121214	ensembl	transcribed_unappr	YES	YES	-0.123248	4.45e-01	-0.0024643	5.89e-01	0.1521770	2.88e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000018713	1	34792999	3479574	GLI4	ensembl	mRNA			-0.0872326	4.51e-01	-0.0456427	6.66e-01	0.0600031	7.36e-01	0.145688	2.98e-01	0.0600031	7.36e-01	0.0600031	7.36e-01	0.0600031	7.36e-01
ENSG0000013520	3	1549125	15638422	FBLN2	ensembl	mRNA			-0.1991652	8.25e-02	-0.081542	5.61e-01	0.1016438	9.46e-01	0.0600031	7.36e-01	0.194588	9.06e-01	0.1035461	7.06e-01	-0.0279989	8.56e-01
ENSG0000012483	2	7032356	7032356	LOC121214	ensembl	transcribed_unappr	YES	YES	-0.123248	4.45e-01	-0.0024643	5.89e-01	0.1521770	2.88e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000013888	6	27173814	27210783	AC019011.1	havana	transcribed_unappr			-0.162452	1.58e-01	-0.1196548	4.08e-01	0.1500004	4.49e-01	0.0600031	7.36e-01	0.1972444	1.53e-01	-0.0981707	6.56e-01	-0.1317815	3.62e-01
ENSG0000017543	15	5698812	5698812	AC019011.1	havana	mRNA			-0.09832	0.82e-01	-0.219033	1.21e-01	0.1557171	4.47e-01	0.0600031	7.36e-01	0.1921054	5.07e-01	-0.1292104	5.57e-01	-0.134344	3.62e-01
ENSG00000126670	9	2652856	2654371	AL040611.1	havana	transcribed_unappr	YES	YES	-0.0202964	8.61e-01	-0.0145977	4.83e-01	0.09291314	6.22e-01	0.0600031	7.36e-01	0.1312449	3.87e-01	0.0600031	7.36e-01	0.0808992	5.78e-01
ENSG0000012483	20	3543329	3543450	GDPS-AS1	havana	mRNA			-0.107802	3.54e-01	-0.0200027	7.30e-01	0.120883	3.15e-01	0.0600031	7.36e-01	0.1074981	5.34e-01	-0.0648895	7.69e-01	-0.1510975	2.93e-01
ENSG0000012494	2	149266171	14927012	ZNF783	ensembl	mRNA			-0.124308	3.17e-01	-0.0012466	9.91e-01	0.0600031	7.36e-01	0.124308	3.17e-01	0.0600031	7.36e-01	0.124308	3.17e-01	0.0600031	7.36e-01
ENSG0000017055	12	12044864	12044864	TRAP1	ensembl	mRNA			-0.0549935	6.44e-01	-0.0248134	6.61e-01	0.0800711	6.62e-01	0.0600031	7.36e-01	0.1021935	8.17e-01	0.1252045	1.13e-01	0.1393420	3.34e-01
ENSG0000013544	16	19555240	19706793	VPS15	ensembl	mRNA			-0.0781073	4.98e-01	-0.023049	8.74e-01	0.1271372	3.71e-01	0.0600031	7.36e-01	0.1271372	3.71e-01	0.1271372	3.71e-01	0.0600031	7.36e-01
ENSG0000012483	2	7032356	7032356	LOC121214	ensembl	transcribed_unappr	YES	YES	-0.123248	4.45e-01	-0.0024643	5.89e-01	0.1521770	2.88e-01	0.0600							

ENSG0000013632	14	36516192	36521149	NKX2-1	transcript	protein_coding	-0.150328	1.92e-01	-0.121167	4.88e-01	-0.139129	4.89e-01	-0.070623	7.27e-01	-0.176508	2.02e-01	-0.151244	4.90e-01	-0.169757	2.99e-01
ENSG0000024660	9	8947237	8947202	ALDH3L2.1	transcript	protein_coding	0.049574	5.98e-01	0.0291114	8.99e-01	0.0672349	7.99e-01	0.070623	7.27e-01	0.0529729	8.00e-01	0.168904	5.95e-01	0.097862	5.88e-01
ENSG0000024775	7	4409162	9718447	PKNOX4	transcript	protein_coding	0.049574	5.98e-01	0.0291114	8.99e-01	0.0672349	7.99e-01	0.070623	7.27e-01	0.0529729	8.00e-01	0.168904	5.95e-01	0.097862	5.88e-01
ENSG0000024666	6	4649252	4646612	ALDH5B1.1	transcript	lincRNA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000011319	9	18633441	18634702	DYX5	transcript	protein_coding	-0.240208	4.00e-01	-0.344326	1.01e-01	-0.021689	9.11e-01	0.070991	7.26e-01	0.226607	8.49e-01	0.125279	5.69e-01	0.050818	7.00e-01
ENSG0000011791	1	1488966	3489524	FAM67B	transcript	protein_coding	-0.042418	3.26e-01	-0.054118	3.42e-01	-0.024418	3.42e-01	0.070991	7.26e-01	0.168904	5.95e-01	0.097862	5.88e-01	0.125279	5.69e-01
ENSG0000014864	4	5264488	5270632	GLT1D1	transcript	protein_coding	-0.005828	9.68e-01	-0.044577	7.95e-01	0.0246831	9.01e-01	0.070623	7.26e-01	0.043248	5.96e-01	0.251584	2.47e-01	-0.121225	4.00e-01
ENSG0000027466	10	12962388	12962464	ALX3SS1.1	transcript	lincRNA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000024691	1	2352292	2352262	AC02391.1	transcript	lincRNA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000005072	4	10720611	10724247	DNAF6	transcript	protein_coding	0.006504	5.81e-01	0.006504	5.81e-01	0.006504	5.81e-01	0.006504	5.81e-01	0.006504	5.81e-01	0.006504	5.81e-01	0.006504	5.81e-01
ENSG0000024871	7	4015413	4015411	THUMPD3P1	transcript	unprocessed_pseudo	-0.005924	6.40e-01	0.021259	8.79e-01	0.188263	3.46e-01	0.070623	7.26e-01	0.098898	8.78e-01	0.104746	6.34e-01	0.154646	2.84e-01
ENSG0000012743	13	4079822	4082340	SCZ1A.1	transcript	protein_coding	-0.02028	6.46e-01	-0.032228	3.60e-01	0.083663	4.86e-01	0.070623	7.26e-01	0.188263	3.46e-01	0.188263	3.46e-01	0.188263	3.46e-01
ENSG0000023607	9	8979780	8980320	EBX2002.2	transcript	lincRNA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000010537	19	4772022	4773276	BBC3	transcript	protein_coding	-0.148878	1.96e-01	-0.140402	3.31e-01	0.261628	1.88e-01	0.070928	7.26e-01	0.148788	6.01e-01	0.171232	4.35e-01	0.208466	1.14e-01
ENSG0000011226	18	8893679	8893961	AC092384.3	transcript	lincRNA	-0.105604	3.61e-01	-0.144427	3.32e-01	0.121871	2.85e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.094858	6.67e-01	0.145466	3.66e-01
ENSG0000024007	2	1497849	1497907	USP9L2P1	transcript	protein_coding	0.0206204	8.20e-01	0.021251	7.88e-01	0.0467636	3.97e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.094858	6.67e-01	0.145466	3.66e-01
ENSG0000014820	9	9472604	9408719	ADNP	transcript	protein_coding	-0.184801	3.05e-01	-0.026641	8.54e-01	0.1391862	4.88e-01	0.070928	7.26e-01	0.222055	1.06e-01	0.0195984	9.42e-01	0.0484827	7.91e-01
ENSG0000022676	10	7962879	7963118	LOC102679	transcript	lincRNA	-0.094027	4.14e-01	-0.031172	9.91e-01	-0.042720	8.61e-01	0.070928	7.26e-01	0.127258	2.11e-01	0.134988	6.45e-01	0.0202114	9.37e-01
ENSG0000027027	1	21927074	21927188	AC09644.1	transcript	lincRNA	-0.018209	7.44e-01	-0.018209	7.44e-01	-0.018209	7.44e-01	0.070928	7.26e-01	0.0202114	9.37e-01	0.134988	6.45e-01	0.0202114	9.37e-01
ENSG00000240707	10	13295534	13297454	LOC101168	transcript	lincRNA	-0.154444	2.86e-01	-0.064438	6.66e-01	0.0208493	9.18e-01	0.070854	7.26e-01	0.241679	8.98e-01	0.020891	1.35e-01	0.094217	7.86e-01
ENSG0000022626	2	1697826	1700591	ADAP5P1.1	transcript	protein_coding	-0.059788	6.00e-01	-0.0799017	9.56e-01	0.038495	8.71e-01	0.070878	7.26e-01	0.131779	3.81e-01	0.0270893	2.97e-01	0.0566574	6.96e-01
ENSG0000022026	20	2063786	2062278	COX7A2P1	transcript	unprocessed_pseudo	-0.0112503	9.28e-01	-0.029472	7.67e-01	0.072088	5.86e-01	0.070854	7.26e-01	0.181272	1.59e-01	0.102928	6.39e-01	0.026828	8.41e-01
ENSG0000022980	21	4467568	4467866	FMM2P1	transcript	unprocessed_pseudo	-0.19305	9.51e-01	-0.063632	5.97e-01	0.228037	2.53e-01	0.070854	7.26e-01	0.238311	5.51e-01	0.062923	7.95e-01	0.02198	2.60e-01
ENSG0000024612	9	7701655	7702953	FOWE2	transcript	protein_coding	-0.059324	7.56e-01	-0.0104914	8.42e-01	0.0456800	8.21e-01	0.070878	7.26e-01	0.070878	7.26e-01	0.070878	7.26e-01	0.070878	7.26e-01
ENSG0000010699	4	3792660	3796257	PEW2	transcript	protein_coding	-0.069877	9.52e-01	-0.04992	6.54e-01	0.043939	6.05e-01	0.070894	7.26e-01	0.042479	1.81e-01	0.024214	8.88e-01	0.049788	7.91e-01
ENSG0000013174	17	4510899	4513354	PCBD3	transcript	protein_coding	-0.110819	3.37e-01	-0.147951	3.69e-01	0.0908187	9.29e-01	0.070867	7.26e-01	0.0609184	6.66e-01	0.300374	1.94e-01	0.158877	2.80e-01
ENSG0000011596	12	5094817	5094894	AC09811.1	transcript	unprocessed_pseudo	-0.090527	4.49e-01	-0.080204	5.80e-01	-0.1481816	4.74e-01	0.062638	7.26e-01	0.062638	7.26e-01	0.062638	7.26e-01	0.062638	7.26e-01
ENSG0000027926	15	7523784	7527783	AC112305.5	transcript	lincRNA	-0.051738	6.55e-01	-0.059789	6.80e-01	0.209928	2.93e-01	0.070927	7.26e-01	0.069774	5.16e-01	0.0429783	2.63e-01	0.0278789	8.48e-01
ENSG0000024610	1	3852424	3847260	AC02391.1	transcript	unprocessed_pseudo	-0.0248887	6.90e-01	-0.0248887	6.90e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01
ENSG0000014825	7	10513918	10512653	POU3F3	transcript	protein_coding	-0.077226	5.04e-01	-0.031975	8.73e-01	0.2536121	2.01e-01	0.070938	7.26e-01	0.103831	5.44e-01	0.175758	4.18e-01	0.219738	2.86e-01
ENSG00000119673	14	7356720	7357658	AC072	transcript	protein_coding	-0.109056	3.45e-01	-0.116798	4.19e-01	0.2883839	1.52e-01	0.070955	7.26e-01	0.1300768	3.49e-01	0.039095	8.89e-01	0.126359	6.91e-01
ENSG0000011700	1	4092842	4092818	ZFNH8	transcript	protein_coding	-0.001261	2.22e-01	-0.001261	2.22e-01	-0.001261	2.22e-01	0.070928	7.26e-01	0.1718276	2.62e-01	0.132735	3.60e-01	0.049871	2.06e-01
ENSG00000240972	22	2388483	2389527	MIF	transcript	protein_coding	-0.177707	2.32e-01	-0.059738	5.08e-01	0.0486231	8.05e-01	0.070968	7.26e-01	0.186507	3.77e-01	0.1271787	3.05e-01	0.0656730	8.22e-01
ENSG0000027334	4	5406529	5407854	AC110792.4	transcript	lincRNA	-0.129454	2.62e-01	-0.054417	6.87e-01	-0.191301	3.88e-01	0.070924	7.26e-01	0.137779	2.12e-01	0.087270	7.08e-01	0.147024	3.07e-01
ENSG0000021629	1	1812949	1813189	AC118035.3	transcript	unprocessed_pseudo	-0.072485	3.53e-01	-0.119147	4.10e-01	0.184745	3.57e-01	0.071024	7.26e-01	0.121185	3.88e-01	0.067712	7.78e-01	0.0818138	1.72e-01
ENSG0000024750	1	3582424	3582988	LOC45444	transcript	unprocessed_pseudo	-0.0248887	6.90e-01	-0.0248887	6.90e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01
ENSG0000014100	9	16030850	16032793	BRD2P2	transcript	protein_coding	0.0684887	6.23e-01	0.0265265	8.87e-01	0.0462229	3.20e-01	0.070938	7.26e-01	0.0929820	5.04e-01	0.0482636	6.00e-01	0.070631	6.71e-01
ENSG0000024293	3	8705192	8705738	PP1P1	transcript	unprocessed_pseudo	-0.081834	4.82e-01	-0.050544	5.57e-01	0.2641855	1.84e-01	0.070928	7.26e-01	0.108019	4.34e-01	0.0747977	3.84e-01	0.0706712	6.29e-01
ENSG0000025629	1	1218228	1218228	AC02391.1	transcript	unprocessed_pseudo	-0.0112503	9.28e-01	-0.0112503	9.28e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01
ENSG0000022822	2	3105583	3106069	ZEB1.1	transcript	protein_coding	-0.065624	5.70e-01	-0.051224	5.55e-01	0.0506688	8.01e-01	0.070986	7.26e-01	0.0550501	6.88e-01	0.031976	5.22e-01	0.04434	5.88e-01
ENSG00000248774	4	16474506	16480725	SMM3A	transcript	protein_coding	-0.0308177	9.29e-01	-0.1330835	3.64e-01	-0.174453	3.64e-01	0.070998	7.26e-01	0.070875	7.26e-01	0.0939588	6.71e-01	0.0699584	8.94e-01
ENSG0000024551	1	1839043	1839043	AC02391.1	transcript	unprocessed_pseudo	-0.0112503	9.28e-01	-0.0112503	9.28e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01	0.070928	7.26e-01
ENSG00000198483	1	14586560	14585866	ANNO15	transcript	protein_coding	-0.112725	3.27e-01	-0.041218	7.40e-01	0.1565438	7.88e-01	0.071127	7.26e-01	0.195938	3.54e-01	0.062443	6.70e-01	0.0900964	2.96e-01
ENSG0000027179	1	11138280	11139119	PCBP	transcript	transcribed_unannotated	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000025410	20	1848358	1848652	PRP22P1	transcript	protein_coding	-0.0697335	5.47e-01	-0.028480	8.36e-01	0.0274330	8.97e-01	0.071487	7.26e-01						

ENSG0000012428	20	49219295	49044077	DND2	ensembl	havana	protein coding	-0.0419814	7.17E-01	-0.0097117	5.31E-01	-0.0012611	8.91E-01	-0.07254	7.19E-01	-0.0286886	8.37E-01	0.0621552	7.78E-01	0.0300071	8.20E-01	
ENSG00000270380	1	7442172	7442726	ADDP1B1	ensembl	havana	processed pseudogene	-0.1861809	2.88E-01	-0.0484801	7.05E-01	-0.0012870	6.41E-01	-0.07245	7.19E-01	-0.1847966	1.82E-01	0.1954031	7.71E-01	0.113520	4.32E-01	
ENSG00000295981	1	2155870	2158773	HMGCL4	ensembl	havana	protein coding	-0.0139415	3.91E-04	-0.0000000	6.44E-01	-0.0000000	3.42E-01	-0.0000000	7.19E-01	-0.0000000	3.42E-01	0.0000000	7.19E-01	0.0000000	3.42E-01	
ENSG0000017066	11	60684979	60689175	ITIM2A2	ensembl	havana	protein coding	-0.1068259	3.55E-01	-0.0261833	1.40E-01	-0.07265	7.19E-01	-0.1246443	7.19E-01	-0.0716045	3.41E-01	0.0761043	7.84E-01	-0.143291	6.34E-01	
ENSG0000017822	11	5613471	5614020	DRB3	ensembl	havana	protein coding	-0.0347209	7.64E-01	-0.0292760	5.22E-01	-0.1215400	5.34E-01	-0.07269	7.19E-01	-0.1035789	4.56E-01	0.079403	6.58E-01	-0.101515	4.51E-01	
ENSG0000013760	1	1421817	1421854	ITIH4	ensembl	havana	processed pseudogene	-0.0418272	7.12E-01	-0.0185043	7.12E-01	-0.0000000	7.12E-01	-0.0000000	7.12E-01	-0.0000000	7.12E-01	0.0000000	7.12E-01	0.0000000	7.12E-01	
ENSG00000243701	3	10720244	10734844	DUBR	ensembl	havana	protein coding	-0.04842	7.63E-01	-0.0173562	4.17E-01	-0.0760917	7.06E-01	-0.0718211	7.19E-01	-0.187059	7.19E-01	0.0613647	5.56E-01	0.0636316	6.52E-01	
ENSG0000027206	3	18977374	18978278	ACAD9L3	ensembl	havana	transcript processed	-0.1272149	2.70E-01	-0.0405512	7.56E-01	-0.209572	2.94E-01	-0.0726273	7.19E-01	-0.1836242	1.84E-01	0.0999546	6.61E-01	-0.1613541	6.29E-01	
ENSG0000019645	1	12605992	12606489	PKOX	ensembl	havana	protein coding	-0.0610288	3.26E-01	-0.0260288	6.50E-01	-0.0780288	7.07E-01	-0.0780288	7.19E-01	-0.0780288	7.19E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG0000019044	18	18999707	18999335	AP0524.4	ensembl	havana	TEC	-0.0011004	5.92E-01	-0.0089241	5.96E-01	-0.0255861	2.50E-01	-0.0255861	2.50E-01	-0.0255861	2.50E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG0000024845	18	6946917	6947176	AC11888.1	ensembl	havana	transcript processed	-0.2152179	6.01E-01	-0.1815024	1.75E-01	-0.183674	3.33E-01	-0.072692	7.19E-01	-0.2423213	7.74E-01	0.0709997	7.49E-01	-0.136881	6.43E-01	
ENSG0000027283	1	2156170	2156873	ASCF	ensembl	havana	protein coding	-0.0596928	4.46E-01	-0.032038	8.40E-01	-0.0802889	7.07E-01	-0.07262	7.19E-01	-0.124384	7.78E-01	0.145364	6.07E-01	0.0000000	7.19E-01	
ENSG0000021754	1	21169480	21166427	ITIM16B3	ensembl	havana	protein coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000010382	15	9913623	9912123	IT2C3	ensembl	havana	protein coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000020482	3	19726111	19726355	ATP2M2P3	ensembl	havana	processed pseudogene	-0.0567972	6.25E-01	-0.0414866	5.73E-01	-0.141789	4.80E-01	-0.072915	7.19E-01	-0.072717	7.34E-01	0.078983	9.23E-01	-0.180958	6.52E-01	
ENSG0000018760	1	21561607	21562007	ITAG12	ensembl	havana	protein coding	-0.0099974	4.00E-01	-0.0099974	4.00E-01	-0.0099974	4.00E-01	-0.0099974	4.00E-01	-0.0099974	4.00E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG0000025367	12	3158923	3161566	END3L5A1	ensembl	havana	protein coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG00000144957	17	1197749	1199747	ZNF18	ensembl	havana	protein coding	0.00711033	9.31E-01	-0.0714603	6.21E-01	-0.0407054	8.40E-01	-0.0728214	7.19E-01	-0.1514769	7.10E-01	0.131164	5.45E-01	-0.0607736	7.45E-01	
ENSG0000020867	19	5176813	5176813	AC01031.3	ensembl	havana	protein coding	-0.0768149	5.00E-01	-0.0480717	7.03E-01	-0.1334911	4.81E-01	-0.0726421	7.19E-01	-0.0726421	7.19E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG0000008710	16	208878	213588	PKD1	ensembl	havana	protein coding	-0.044204	6.62E-01	-0.016551	3.06E-01	-0.028463	1.20E-01	-0.0728643	7.19E-01	-0.1465801	7.78E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG0000029366	8	29055935	29056485	AC018849.2	ensembl	havana	protein coding	-0.1597151	1.60E-01	-0.122747	3.96E-01	-0.2409858	2.18E-01	-0.072854	7.19E-01	-0.1938207	1.67E-01	0.0639969	3.45E-01	-0.044374	7.62E-01	
ENSG0000018879	3	15898995	15899099	SHOX2	ensembl	havana	protein coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000017575	11	7387669	7393114	PAFA1	ensembl	havana	protein coding	-0.1872744	1.03E-01	-0.100146	4.89E-01	-0.1564748	4.39E-01	-0.072828	7.19E-01	-0.258553	5.91E-01	0.0607068	7.86E-01	0.0000000	7.19E-01	
ENSG0000016442	4	1018228	1019249	DMAT1	ensembl	havana	protein coding	-0.076083	5.11E-01	-0.0458212	3.12E-01	-0.101244	5.93E-01	-0.072899	7.19E-01	-0.0602629	6.49E-01	0.10014	6.49E-01	-0.0602629	6.49E-01	
ENSG0000013766	1	23136371	23142287	ESR1B1	ensembl	havana	protein coding	-0.1131741	3.06E-01	-0.0699502	6.94E-01	-0.128949	5.18E-01	-0.072928	7.19E-01	-0.1889731	7.24E-01	0.0093010	9.86E-01	-0.0704579	6.77E-01	
ENSG0000016247	7	7080643	7082099	GLEAF	ensembl	havana	protein coding	-0.0719712	6.61E-01	-0.0719712	6.61E-01	-0.0719712	6.61E-01	-0.0719712	6.61E-01	-0.0719712	6.61E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG0000013912	21	3468894	3471827	CLIC3	ensembl	havana	protein coding	-0.188484	8.38E-01	-0.104356	4.83E-01	-0.262079	1.86E-01	-0.072943	7.19E-01	-0.29642	6.78E-01	0.170788	4.22E-01	-0.170788	4.22E-01	
ENSG0000027940	1	21563899	2156389	ITGAE1	ensembl	havana	protein coding	-0.1032004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG0000011869	14	2254235	2254281	ITRA20	ensembl	havana	lncRNA	-0.200349	7.66E-01	-0.1447878	5.08E-01	-0.1146788	5.08E-01	-0.072991	7.19E-01	-0.1911189	6.66E-01	0.1190885	3.15E-01	-0.176088	2.21E-01	
ENSG00000253897	3	19613130	1962570	ITM1A3-AS1	ensembl	havana	protein coding	-0.0469983	6.85E-01	-0.0156447	9.14E-01	-0.0284871	8.88E-01	-0.0726013	7.19E-01	-0.0848276	5.42E-01	0.020949	9.25E-01	-0.0212126	8.25E-01	
ENSG0000024886	4	12325640	1232564	ITM1A3	ensembl	havana	protein coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG00000150764	11	11197144	11202653	DONC1	ensembl	havana	protein coding	-0.1440285	2.11E-01	-0.0516025	2.05E-01	-0.0730703	7.19E-01	-0.243173	7.57E-01	0.0526202	7.10E-01	-0.164477	3.10E-01	0.0000000	7.19E-01	
ENSG00000196218	19	3843391	3857644	RYR1	ensembl	havana	protein coding	-0.096449	4.06E-01	-0.0174483	9.35E-01	-0.0687785	7.31E-01	-0.0727077	7.19E-01	-0.200001	4.46E-01	0.0882173	7.06E-01	-0.151383	8.28E-01	
ENSG00000166448	1	1231318	1231318	ITM1A3-AS1	ensembl	havana	transcript processed	-0.096449	4.06E-01	-0.0174483	9.35E-01	-0.0687785	7.31E-01	-0.0727077	7.19E-01	-0.200001	4.46E-01	0.0882173	7.06E-01	-0.151383	8.28E-01	
ENSG0000025078	7	12934432	12948199	STRP2	ensembl	havana	protein coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000024238	8	1625638	1626555	RPS13P4	ensembl	havana	processed pseudogene	-0.091133	6.17E-01	-0.0506813	7.79E-01	-0.071021	7.12E-01	-0.1010272	7.12E-01	-0.0616234	6.39E-01	0.1665126	4.48E-01	-0.1036716	4.76E-01	
ENSG00000246423	3	11474455	11474525	MIR4758	ensembl	havana	transcript processed	-0.0596928	6.25E-01	-0.0414866	5.73E-01	-0.141789	4.80E-01	-0.072915	7.19E-01	-0.072717	7.34E-01	0.078983	9.23E-01	-0.180958	6.52E-01	
ENSG00000184909	1	21563899	2156389	ITGAE1	ensembl	havana	protein coding	-0.1032004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	0.0000000	7.19E-01	0.0000000	7.19E-01	
ENSG00000149567	5	13115383	13124448	HNT1	ensembl	havana	protein coding	-0.0797512	6.10E-01	-0.0498042	5.98E-01	-0.0261858	3.02E-01	-0.071312	7.19E-01	-0.162957	3.98E-01	0.0007044	9.56E-01	-0.1166606	3.78E-01	
ENSG0000028719	4	8018237	8019710	AC01211.5	ensembl	havana	protein coding	-0.0777606	5.01E-01	-0.0431186	3.27E-01	-0.0583878	7.74E-01	-0.0721888	7.19E-01	-0.0202196	9.71E-01	0.2246697	2.45E-01	-0.1374701	3.48E-01	
ENSG0000027925	1	1231318	1231318	ITM1A3-AS1	ensembl	havana	transcript processed	-0.096449	4.06E-01	-0.0174483	9.35E-01	-0.0687785	7.31E-01	-0.0727077	7.19E-01	-0.200001	4.46E-01	0.0882173	7.06E-01	-0.151383	8.28E-01	
ENSG0000044381	7	1396514	13977798	HPK2	ensembl	havana	protein coding	-0.0425480	7.99E-01	-0.0826326	5.52E-01	-0.0720025	7.17E-01	-0.1295709	5.50E-01	0.0884749	9.07E-01	-0.0612819	8.41E-01	0.0000000	7.19E-01	
ENSG00000170423	1	5182804	5184902	RTP78	ensembl	havana	protein coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000025548	1	21563899	2156389	ITGAE1	ensembl	havana	protein coding	-0.1032004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	-0.0203004	7.67E-01	-0.0203004</						

ENSG0000027300	13	2954493	29970388	AA45985.2	havana	transcript	ncrna	-0.002314	3.496E-01	-0.077429	7.96E-02	0.0519486	7.97E-01	-0.048283	7.11E-01	-0.134726	2.06E-01	-0.057423	7.95E-01	-0.065779	6.50E-01		
ENSG0000017624	13	1582344	15676788	AA12022.1	havana	transcript	ncrna	-0.002292	8.41E-01	-0.073862	6.01E-02	0.1349988	2.94E-01	-0.074808	7.11E-01	-0.148728	2.90E-01	-0.025212	7.91E-01	-0.197889	1.64E-01		
ENSG0000017917	13	1582344	15676788	AA12022.1	havana	transcript	ncrna	-0.002292	8.41E-01	-0.073862	6.01E-02	0.1349988	2.94E-01	-0.074808	7.11E-01	-0.148728	2.90E-01	-0.025212	7.91E-01	-0.197889	1.64E-01		
ENSG0000018686	9	11303877	113056799	ZFP37	havana	transcript	ncrna	-0.002292	8.41E-01	-0.073862	6.01E-02	0.1349988	2.94E-01	-0.074808	7.11E-01	-0.148728	2.90E-01	-0.025212	7.91E-01	-0.197889	1.64E-01		
ENSG0000025424	4	4304842	4308371	AL163718.1	havana	transcript	ncrna	YES	YES	-0.148438	1.97E-01	0.079204	8.88E-02	0.135448	5.03E-01	0.074904	7.10E-01	0.249955	8.83E-01	-0.180079	4.11E-01	-0.144433	3.47E-01
ENSG0000010084	17	4931136	49333191	W143147.1	havana	transcript	ncrna	YES	YES	-0.148438	1.97E-01	0.079204	8.88E-02	0.135448	5.03E-01	0.074904	7.10E-01	0.249955	8.83E-01	-0.180079	4.11E-01	-0.144433	3.47E-01
ENSG0000029577	8	7215812	72199052	RN7L338P	havana	transcript	ncrna	YES	YES	-0.148438	1.97E-01	0.079204	8.88E-02	0.135448	5.03E-01	0.074904	7.10E-01	0.249955	8.83E-01	-0.180079	4.11E-01	-0.144433	3.47E-01
ENSG0000027359	17	3880041	3882355	CWC22	havana	transcript	ncrna	YES	YES	-0.148438	1.97E-01	0.079204	8.88E-02	0.135448	5.03E-01	0.074904	7.10E-01	0.249955	8.83E-01	-0.180079	4.11E-01	-0.144433	3.47E-01
ENSG0000027051	17	4923238	4926800	AL163718.1	havana	transcript	ncrna	YES	YES	-0.148438	1.97E-01	0.079204	8.88E-02	0.135448	5.03E-01	0.074904	7.10E-01	0.249955	8.83E-01	-0.180079	4.11E-01	-0.144433	3.47E-01
ENSG0000010053	11	12336300	12336300	UCP2	havana	transcript	ncrna	YES	YES	-0.001190	3.93E-01	-0.139347	3.54E-01	-0.072052	7.21E-01	-0.052362	7.06E-01	0.025226	7.06E-01	0.025226	7.06E-01	0.025226	7.06E-01
ENSG0000023051	2	10782303	10782881	RGPOA.A51	havana	transcript	ncrna	YES	YES	-0.035879	7.57E-01	-0.000354	9.88E-02	0.3873530	4.93E-01	-0.075066	7.10E-01	-0.098777	4.77E-01	-0.103624	6.88E-01	-0.103624	3.78E-01
ENSG0000023020	9	1009235	1009235	FRS1L4	havana	transcript	ncrna	YES	YES	-0.102923	3.47E-01	-0.030262	8.84E-02	0.070769	7.68E-01	-0.070769	7.68E-01	-0.202035	3.28E-01	-0.103775	4.82E-01	-0.103775	4.06E-01
ENSG0000023897	5	15136299	15148993	AC024025.2	havana	transcript	ncrna	YES	YES	-0.009175	5.96E-01	-0.000720	8.97E-02	0.1548761	4.48E-01	-0.075109	7.11E-01	-0.114776	5.90E-01	-0.080725	7.14E-01	-0.080725	7.05E-01
ENSG0000027714	19	3321717	3322255	AC008738.4	havana	transcript	ncrna	YES	YES	-0.082235	4.77E-01	-0.031055	7.14E-01	0.0352466	8.60E-01	-0.071223	7.10E-01	-0.184273	7.81E-01	-0.043127	8.45E-01	-0.059103	8.88E-01
ENSG0000027421	9	7013075	7013120	AL163718.1	havana	transcript	ncrna	YES	YES	-0.002228	5.17E-01	-0.088453	5.46E-01	0.1107243	5.83E-01	-0.071249	7.10E-01	-0.099960	6.09E-01	-0.103485	6.48E-01	-0.0575029	9.16E-01
ENSG0000027926	9	11338943	11339120	KN043451.1	havana	transcript	ncrna	YES	YES	-0.113187	1.36E-01	-0.049687	9.76E-02	0.0000046	9.76E-02	-0.075109	7.11E-01	-0.210666	1.25E-01	-0.166011	4.89E-01	-0.092009	6.22E-01
ENSG0000014099	4	11828038	11835300	PRSS12	havana	transcript	ncrna	YES	YES	-0.160631	1.61E-01	-0.040254	9.78E-02	0.1328445	2.40E-01	-0.075109	7.11E-01	-0.144764	5.10E-01	-0.184867	1.75E-01	-0.144764	1.75E-01
ENSG0000021235	16	80244136	81139611	AC002121.1	havana	transcript	ncrna	YES	YES	-0.092545	4.23E-01	-0.117284	7.21E-01	0.1366871	3.24E-01	-0.071633	7.09E-01	-0.125374	3.89E-01	-0.107796	6.18E-01	-0.1521711	2.63E-01
ENSG0000013309	17	4923128	4926800	AL163718.1	havana	transcript	ncrna	YES	YES	-0.114443	1.94E-01	-0.079724	6.53E-02	0.0000046	9.76E-02	-0.075109	7.11E-01	-0.250292	6.79E-01	-0.183176	5.90E-01	-0.076794	6.34E-01
ENSG0000027476	6	10795743	10795986	AL024502.2	havana	transcript	ncrna	YES	YES	-0.048934	3.64E-01	-0.110506	4.06E-01	0.3508529	7.28E-02	-0.075043	7.09E-01	-0.120245	3.87E-01	-0.144328	4.54E-01	-0.0430548	9.21E-01
ENSG0000020250	5	15602189	15613109	TG235017.1	havana	transcript	ncrna	YES	YES	-0.005987	9.62E-01	-0.072667	9.60E-02	-0.100639	9.36E-01	-0.072233	7.09E-01	-0.030996	8.26E-01	-0.084163	5.00E-01	-0.084163	5.00E-01
ENSG0000012961	13	3071348	3076426	AC00547	havana	transcript	ncrna	YES	YES	-0.050486	7.02E-01	-0.051116	0.72E-02	0.051390	7.90E-01	-0.075277	7.09E-01	-0.0651425	7.93E-01	-0.033414	4.82E-01	-0.033414	4.82E-01
ENSG0000028900	19	8821301	8821410	AC008738.4	havana	transcript	ncrna	YES	YES	-0.157046	1.79E-01	-0.141656	4.90E-02	0.1204968	5.89E-01	-0.075408	7.09E-01	-0.198766	1.68E-01	-0.139876	5.86E-01	-0.139876	5.86E-01
ENSG0000012547	12	11093450	11095903	AC007401.1	havana	transcript	ncrna	YES	YES	-0.121517	2.92E-01	-0.113316	5.28E-02	0.0558492	7.82E-01	-0.075458	7.09E-01	-0.195845	1.56E-01	-0.147299	4.05E-01	-0.147299	4.05E-01
ENSG0000016923	11	4769591	4771389	AGR2	havana	transcript	ncrna	YES	YES	-0.025810	2.58E-01	-0.187478	2.01E-02	0.005714	6.06E-01	-0.075294	7.09E-01	-0.081214	2.89E-01	-0.07963	7.24E-01	-0.07963	7.24E-01
ENSG0000020728	20	2338996	2338112	RNASEH2B	havana	transcript	ncrna	YES	YES	-0.095517	4.08E-01	-0.097249	6.98E-02	-0.100789	3.89E-01	-0.075823	7.09E-01	-0.111968	4.95E-01	-0.171148	4.93E-01	-0.134847	3.06E-01
ENSG0000024819	16	22920	21213	WASH2R	havana	transcript	ncrna	YES	YES	-0.115315	1.84E-01	-0.081751	5.79E-02	0.3631724	6.26E-02	-0.075803	7.09E-01	-0.25238	6.06E-01	-0.0466795	6.86E-01	-0.1183749	4.42E-01
ENSG0000027129	10	8035424	8035889	AL393715.3	havana	transcript	ncrna	YES	YES	-0.080611	4.54E-01	-0.075998	8.93E-02	-0.08654	6.68E-01	-0.075293	7.09E-01	-0.160172	2.28E-01	-0.144883	5.10E-01	-0.144883	5.10E-01
ENSG0000024886	10	6009258	6009258	FRS1L4	havana	transcript	ncrna	YES	YES	-0.098613	4.09E-01	-0.086613	4.09E-01	0.0000046	9.76E-02	-0.075109	7.11E-01	-0.206668	6.06E-01	-0.1521711	2.63E-01	-0.1521711	2.63E-01
ENSG0000014098	11	7354455	7355715	NEIL1	havana	transcript	ncrna	YES	YES	-0.217979	5.69E-01	-0.080883	4.64E-02	0.460194	9.01E-01	-0.075444	7.09E-01	-0.261150	3.56E-01	-0.105957	2.87E-01	-0.105957	2.87E-01
ENSG0000027524	4	8868448	8868454	RNASE3	havana	transcript	ncrna	YES	YES	-0.117485	2.33E-01	-0.080198	7.03E-02	0.0077311	9.66E-02	-0.075333	7.09E-01	-0.199359	1.48E-01	-0.066546	7.63E-01	-0.066546	7.63E-01
ENSG0000025884	10	1917927	1920212	FRS1L4	havana	transcript	ncrna	YES	YES	-0.117485	2.33E-01	-0.080198	7.03E-02	0.0077311	9.66E-02	-0.075333	7.09E-01	-0.199359	1.48E-01	-0.066546	7.63E-01	-0.066546	7.63E-01
ENSG0000026045	9	6004707	6011305	AL163718.1	havana	transcript	ncrna	YES	YES	-0.099954	5.45E-01	-0.080319	7.03E-02	0.0077311	9.66E-02	-0.075333	7.09E-01	-0.199359	1.48E-01	-0.066546	7.63E-01	-0.066546	7.63E-01
ENSG0000027682	4	10157345	10153976	PRKRP1	havana	transcript	ncrna	YES	YES	-0.115903	1.88E-01	-0.086671	7.90E-02	0.1712171	3.91E-01	-0.075811	7.09E-01	-0.229734	9.46E-01	-0.036649	8.79E-01	-0.100794	5.86E-01
ENSG0000010781	10	9314509	9314513	FRS1L4	havana	transcript	ncrna	YES	YES	-0.115903	1.88E-01	-0.086671	7.90E-02	0.1712171	3.91E-01	-0.075811	7.09E-01	-0.229734	9.46E-01	-0.036649	8.79E-01	-0.100794	5.86E-01
ENSG0000028920	2	3653656	3653704	AL023111.1	havana	transcript	ncrna	YES	YES	-0.109175	3.73E-01	-0.0800713	9.55E-02	0.0851288	6.73E-01	-0.075963	7.09E-01	-0.175236	1.21E-01	-0.036649	8.83E-01	-0.036649	8.83E-01
ENSG0000014118	4	4797485	4800389	ZNF187	havana	transcript	ncrna	YES	YES	-0.031740	7.86E-01	-0.114442	4.31E-02	0.5556610	2.61E-01	-0.075403	7.09E-01	-0.134862	4.41E-01	-0.18006	6.06E-01	-0.18006	6.06E-01
ENSG0000014026	2	9314509	9314513	ZNF187	havana	transcript	ncrna	YES	YES	-0.031740	7.86E-01	-0.114442	4.31E-02	0.5556610	2.61E-01	-0.075403	7.09E-01	-0.134862	4.41E-01	-0.18006	6.06E-01	-0.18006	6.06E-01
ENSG0000028391	9	1282867	1283084	RNASEH2B	havana	transcript	ncrna	YES	YES	-0.095517	4.08E-01	-0.097249	6.98E-02	-0.100789	3.89E-01	-0.075823	7.09E-01	-0.111968	1.25E-01	-0.166011	4.89E-01	-0.166011	4.89E-01
ENSG0000028526	2	3149606	3151932	C22orf42	havana	transcript	ncrna	YES	YES	-0.1676873	1.24E-01	-0.043058	8.18E-02	0.160009	3.99E-01	-0.075441	7.08E-01	-0.276083	4.33E-01	-0.102258	6.42E-01	-0.146623	3.62E-01

Gene	Transcript	Start	End	Strand	Feature	Gene	Transcript	Start	End	Strand	Feature	Gene	Transcript	Start	End	Strand	Feature	Gene	Transcript	Start	End	Strand	Feature	
ENSG0000027869	1	178255	189117	GNB1	ensembl	havana	protein_coding	0.02107106	2.98E-01	-0.00297979	9.84E-01	-0.075122	7.10E-01	-0.079181	6.95E-01	0.17573468	2.04E-01	0.00521233	8.19E-01	0.01143588	9.97E-01			
ENSG0000027870	1	178255	178258	ENB	ensembl	havana	protein_coding	0.0862323	4.56E-01	0.00447108	6.98E-01	-0.08026209	6.71E-01	-0.079181	6.95E-01	0.02004955	1.71E-01	0.00897973	1.02E-01	0.01225424	1.96E-01			
ENSG0000027871	6	53127469	53402493	AC015987.1	ensembl	havana	protein_coding	0.04066624	2.44E-01	0.00251171	5.37E-01	-0.02053666	3.09E-01	-0.0792542	6.94E-01	0.02214745	1.07E-01	0.00215818	6.41E-01	0.0167881	2.16E-01			
ENSG0000027872	7	116274606	116286734	AC013101.3	ensembl	havana	protein_coding	0.1804873	1.14E-01	-0.17284	1.74E-01	-0.2024127	3.11E-01	-0.0792741	6.94E-01	0.02229363	1.05E-01	0.0137419	5.92E-01	0.0103919	2.55E-01			
ENSG0000027873	1	116286734	116286734	AC019648.1	ensembl	havana	protein_coding	0.008495	9.42E-01	-0.075333	5.93E-01	-0.0236240	2.35E-01	-0.0792991	6.94E-01	0.02626749	5.52E-01	0.0104619	6.45E-01	0.0112002	4.44E-01			
ENSG0000027874	16	78989140	78990778	AC019648.1	ensembl	havana	protein_coding	0.008495	9.42E-01	-0.075333	5.93E-01	-0.0236240	2.35E-01	-0.0792991	6.94E-01	0.02626749	5.52E-01	0.0104619	6.45E-01	0.0112002	4.44E-01			
ENSG0000027875	9	78989140	78990778	AC019648.1	ensembl	havana	protein_coding	0.008495	9.42E-01	-0.075333	5.93E-01	-0.0236240	2.35E-01	-0.0792991	6.94E-01	0.02626749	5.52E-01	0.0104619	6.45E-01	0.0112002	4.44E-01			
ENSG0000027876	1	221418027	221524027	EPHA4	ensembl	havana	protein_coding	0.2731401	1.02E-01	-0.22355	1.59E-01	-0.0792513	6.94E-01	0.02835001	7.97E-01	0.00204033	7.07E-01	0.00204033	7.07E-01	0.00204033	7.07E-01			
ENSG0000027877	15	5131941	51321996	AC00891.2	ensembl	havana	protein_coding	0.1465434	2.06E-01	0.00505134	3.40E-01	-0.135281	5.00E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01			
ENSG0000027878	2	2883834	2883834	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027879	2	2883834	2883834	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027880	10	12484653	12487175	ARHG2	ensembl	havana	protein_coding	0.20388678	7.53E-01	0.1337841	3.47E-01	-0.2441053	2.20E-01	-0.0794458	6.94E-01	0.02081764	5.45E-01	0.01444802	1.15E-01	0.01845829	1.64E-01			
ENSG0000027881	2	13839626	13839626	MCME	ensembl	havana	protein_coding	0.0744647	5.20E-01	0.0737580	9.00E-01	0.2336624	2.40E-01	-0.0794784	6.94E-01	0.0213600	5.34E-01	0.1170263	5.95E-01	0.02176344	8.81E-01			
ENSG0000027882	2	2883834	2883834	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027883	2	2883834	2883834	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027884	10	4646109	4646598	NPVAR	ensembl	havana	protein_coding	0.0772565	4.00E-01	0.00007008	9.63E-01	-0.1855118	4.91E-01	-0.0794518	6.93E-01	0.019077	3.44E-01	0.0152181	2.86E-01	0.0147823	3.63E-01			
ENSG0000027885	2	4602126	4645186	AC00977.2	ensembl	havana	protein_coding	0.0074578	4.49E-01	-0.0715131	6.91E-01	0.02627444	7.64E-01	-0.0791713	6.93E-01	0.0130023	3.49E-01	0.2757859	2.46E-01	0.0509212	6.06E-01			
ENSG0000027886	10	12484653	12487175	ARHG2	ensembl	havana	protein_coding	0.20388678	7.53E-01	0.1337841	3.47E-01	-0.2441053	2.20E-01	-0.0794458	6.94E-01	0.02081764	5.45E-01	0.01444802	1.15E-01	0.01845829	1.64E-01			
ENSG0000027887	4	18282480	18283097	AC11478.1	ensembl	havana	protein_coding	0.0097278	4.08E-01	-0.052875	7.15E-01	-0.0795818	6.93E-01	-0.1434074	6.91E-01	0.0101075	6.80E-01	0.0019003	7.52E-01					
ENSG0000027888	7	7591230	7614897	FRZ2	ensembl	havana	protein_coding	0.0066422	4.04E-01	-0.117347	4.17E-01	-0.2252680	2.58E-01	-0.07962	6.93E-01	0.0551891	6.92E-01	0.098446	1.67E-01	0.0238109	5.73E-01			
ENSG0000027889	11	7469011	7469958	AC013101.3	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027890	2	4795930	4797085	KCNK12	ensembl	havana	protein_coding	0.1496964	1.95E-01	0.012632	9.31E-01	0.0289412	8.83E-01	-0.0795669	6.93E-01	0.2793257	1.03E-01	0.0026045	7.80E-01	0.0068523	6.45E-01			
ENSG0000027891	3	19279815	19291756	KM2D1	ensembl	havana	protein_coding	0.1464214	2.04E-01	0.1472748	3.23E-01	-0.0303833	9.83E-01	-0.0796668	6.93E-01	0.140125	6.00E-01	0.002002	8.49E-01					
ENSG0000027892	16	3109842	3109950	VKOR1L1	ensembl	havana	protein_coding	0.0794883	4.92E-01	0.0327253	4.75E-01	-0.2497193	2.48E-01	-0.0796713	6.93E-01	0.0446949	7.48E-01	0.0113324	5.82E-01	0.0240744	1.54E-01			
ENSG0000027893	17	1897474	1898875	SCYL5	ensembl	havana	protein_coding	0.1326627	1.85E-01	0.0096227	5.99E-01	0.0403229	9.69E-01	-0.0797098	6.93E-01	0.1938788	8.65E-01	0.2413039	2.67E-01	0.1484789	3.31E-01			
ENSG0000027894	6	14959873	14964872	AC014549.1	ensembl	havana	protein_coding	0.0284407	8.90E-01	0.0377783	7.63E-01	0.11158561	5.89E-01	-0.0797143	6.93E-01	0.0544549	5.80E-01	0.1374693	5.31E-01	0.1374693	5.31E-01			
ENSG0000027895	19	3387925	3397191	PEBP1	ensembl	havana	protein_coding	0.1839638	1.09E-01	-0.0021394	7.03E-01	-0.2671241	1.78E-01	-0.0797254	6.93E-01	0.272403	8.03E-01	0.0041566	9.85E-01	0.0133928	2.98E-01			
ENSG0000027896	10	8200070	8203489	TRIP1	ensembl	havana	protein_coding	0.0061471	4.06E-01	-0.0061471	4.06E-01	-0.0797254	6.93E-01	0.0241418	6.93E-01	0.0041566	9.85E-01	0.0133928	2.98E-01	0.0133928	2.98E-01			
ENSG0000027897	17	4369259	4366628	UBE3G1	ensembl	havana	protein_coding	0.1642973	8.87E-01	-0.085828	6.36E-01	-0.171948	4.93E-01	-0.0797274	6.93E-01	0.0591124	4.71E-01	0.1103184	5.15E-01	0.0039675	7.98E-01			
ENSG0000027898	10	9366783	9370252	FUAMC1	ensembl	havana	protein_coding	0.0488102	6.86E-01	-0.101841	4.55E-01	0.24165184	2.25E-01	-0.0797369	6.93E-01	0.0311365	8.22E-01	0.0661302	9.78E-01	0.0211051	4.02E-01			
ENSG0000027899	2	1233812	1233812	AC00977.2	ensembl	havana	protein_coding	0.0074578	4.49E-01	-0.0715131	6.91E-01	0.02627444	7.64E-01	-0.0791713	6.93E-01	0.0130023	3.49E-01	0.2757859	2.46E-01	0.0509212	6.06E-01			
ENSG0000027900	7	4874860	4890883	SMAD7	ensembl	havana	transcribed_unread	0.1158588	1.31E-01	-0.104580	4.71E-01	-0.2350949	2.33E-01	-0.0797831	6.92E-01	0.1292169	6.22E-01	0.0094625	8.22E-01	0.1252127	3.02E-01			
ENSG0000027901	8	14141749	14141704	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027902	1	11782481	11782481	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027903	1	11782481	11782481	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027904	3	41724181	41730130	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027905	1	11782481	11782481	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027906	1	11782481	11782481	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027907	1	11782481	11782481	AC011222	ensembl	havana	protein_coding	0.0022488	4.26E-01	-0.0022488	4.26E-01	-0.0792364	6.94E-01	0.02422989	7.75E-01	0.122303	5.76E-01	0.0158947	4.18E-01					
ENSG0000027908	1	11782481	11782481	AC011222	ensembl	havana	protein_c																	

Table with columns for gene ID, chromosome, coordinates, gene name, transcript name, protein name, and various numerical values. The table lists numerous genes such as TM6SF2, MIR690, MIR691, and many others, along with their genomic locations and associated data points.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as AC007486.2, AC007487.2, AC007488.2, etc., with associated genomic data.

ENSG0000018020	6	11514192	11514666	THAP1P5	havana	transcribed protein	-0.050864	6.34e-01	0.05047683	7.28e-01	0.1403217	4.81e-01	-0.026611	6.46e-01	-0.1262064	1.63e-01	-0.115973	5.88e-01	-0.129604	3.70e-01	
ENSG0000018020	14	9306740	9307152	ITPK1A3	havana	lncRNA	-0.125839	2.75e-01 <td>-0.029462</td> <td>8.39e-01 <td>0.134489</td> <td>5.01e-01 <td>-0.029264</td> <td>6.46e-01 <td>-0.19253</td> <td>1.68e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td></td></td></td>	-0.029462	8.39e-01 <td>0.134489</td> <td>5.01e-01 <td>-0.029264</td> <td>6.46e-01 <td>-0.19253</td> <td>1.68e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td></td></td>	0.134489	5.01e-01 <td>-0.029264</td> <td>6.46e-01 <td>-0.19253</td> <td>1.68e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td></td>	-0.029264	6.46e-01 <td>-0.19253</td> <td>1.68e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td>	-0.19253	1.68e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td>	-0.142996	1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td>	-0.17233	2.11e-01	
ENSG0000017945	15	9315134	9317791	LINC02429	havana	lncRNA	-0.216639	0.000000 <td>-0.000000</td> <td>0.000000 <td>0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> </td>	-0.000000	0.000000 <td>0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td>	0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	
ENSG0000019688	15	4036825	4036960	AC03356.4	havana	lncRNA	-0.066610	5.65e-01 <td>-0.025599</td> <td>8.04e-01 <td>-0.026840</td> <td>6.46e-01 <td>-0.073161</td> <td>6.07e-01 <td>-0.041491</td> <td>8.02e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td></td></td></td>	-0.025599	8.04e-01 <td>-0.026840</td> <td>6.46e-01 <td>-0.073161</td> <td>6.07e-01 <td>-0.041491</td> <td>8.02e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td></td></td>	-0.026840	6.46e-01 <td>-0.073161</td> <td>6.07e-01 <td>-0.041491</td> <td>8.02e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td></td>	-0.073161	6.07e-01 <td>-0.041491</td> <td>8.02e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td></td>	-0.041491	8.02e-01 <td>-0.142996</td> <td>1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td></td>	-0.142996	1.25e-01 <td>-0.17233</td> <td>2.11e-01 </td>	-0.17233	2.11e-01	
ENSG0000017890	15	4777855	4778486	SLLN100	ensembl	protein coding	-0.043464	7.17e-01 <td>-0.042110</td> <td>7.70e-01 <td>0.054474</td> <td>7.84e-01 <td>0.029264</td> <td>6.46e-01 <td>0.048873</td> <td>7.26e-01 <td>0.212624</td> <td>3.02e-01 <td>0.027203</td> <td>5.68e-01 </td></td></td></td></td></td>	-0.042110	7.70e-01 <td>0.054474</td> <td>7.84e-01 <td>0.029264</td> <td>6.46e-01 <td>0.048873</td> <td>7.26e-01 <td>0.212624</td> <td>3.02e-01 <td>0.027203</td> <td>5.68e-01 </td></td></td></td></td>	0.054474	7.84e-01 <td>0.029264</td> <td>6.46e-01 <td>0.048873</td> <td>7.26e-01 <td>0.212624</td> <td>3.02e-01 <td>0.027203</td> <td>5.68e-01 </td></td></td></td>	0.029264	6.46e-01 <td>0.048873</td> <td>7.26e-01 <td>0.212624</td> <td>3.02e-01 <td>0.027203</td> <td>5.68e-01 </td></td></td>	0.048873	7.26e-01 <td>0.212624</td> <td>3.02e-01 <td>0.027203</td> <td>5.68e-01 </td></td>	0.212624	3.02e-01 <td>0.027203</td> <td>5.68e-01 </td>	0.027203	5.68e-01	
ENSG0000019604	15	4048419	4048327	LINC02429	havana	lncRNA	-0.143237	0.000000 <td>-0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td>	-0.000000	0.000000	0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	
ENSG0000026994	9	9111892	9118276	LINC00048	havana	lncRNA	-0.180407	2.38e-01 <td>-0.082289</td> <td>6.30e-01 <td>-0.092743</td> <td>4.48e-01 <td>-0.092743</td> <td>6.45e-01 <td>-0.183078</td> <td>1.85e-01 <td>-0.121344</td> <td>1.02e-01 <td>-0.143233</td> <td>3.21e-01 </td></td></td></td></td></td>	-0.082289	6.30e-01 <td>-0.092743</td> <td>4.48e-01 <td>-0.092743</td> <td>6.45e-01 <td>-0.183078</td> <td>1.85e-01 <td>-0.121344</td> <td>1.02e-01 <td>-0.143233</td> <td>3.21e-01 </td></td></td></td></td>	-0.092743	4.48e-01 <td>-0.092743</td> <td>6.45e-01 <td>-0.183078</td> <td>1.85e-01 <td>-0.121344</td> <td>1.02e-01 <td>-0.143233</td> <td>3.21e-01 </td></td></td></td>	-0.092743	6.45e-01 <td>-0.183078</td> <td>1.85e-01 <td>-0.121344</td> <td>1.02e-01 <td>-0.143233</td> <td>3.21e-01 </td></td></td>	-0.183078	1.85e-01 <td>-0.121344</td> <td>1.02e-01 <td>-0.143233</td> <td>3.21e-01 </td></td>	-0.121344	1.02e-01 <td>-0.143233</td> <td>3.21e-01 </td>	-0.143233	3.21e-01	
ENSG0000013359	19	1070340	1071347	CTP1	ensembl	havana	-0.146664	1.47e-01 <td>-0.048365</td> <td>5.65e-01 <td>-0.249948</td> <td>2.09e-01 <td>-0.092778</td> <td>6.45e-01 <td>-0.231708</td> <td>9.18e-01 <td>-0.109236</td> <td>6.20e-01 <td>-0.18152</td> <td>2.08e-01 </td></td></td></td></td></td>	-0.048365	5.65e-01 <td>-0.249948</td> <td>2.09e-01 <td>-0.092778</td> <td>6.45e-01 <td>-0.231708</td> <td>9.18e-01 <td>-0.109236</td> <td>6.20e-01 <td>-0.18152</td> <td>2.08e-01 </td></td></td></td></td>	-0.249948	2.09e-01 <td>-0.092778</td> <td>6.45e-01 <td>-0.231708</td> <td>9.18e-01 <td>-0.109236</td> <td>6.20e-01 <td>-0.18152</td> <td>2.08e-01 </td></td></td></td>	-0.092778	6.45e-01 <td>-0.231708</td> <td>9.18e-01 <td>-0.109236</td> <td>6.20e-01 <td>-0.18152</td> <td>2.08e-01 </td></td></td>	-0.231708	9.18e-01 <td>-0.109236</td> <td>6.20e-01 <td>-0.18152</td> <td>2.08e-01 </td></td>	-0.109236	6.20e-01 <td>-0.18152</td> <td>2.08e-01 </td>	-0.18152	2.08e-01	
ENSG0000019599	15	4269592	4269310	LINC02429	havana	lncRNA	-0.143237	0.000000 <td>-0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td> <td>-0.000000</td> <td>0.000000</td>	-0.000000	0.000000	0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	-0.000000	0.000000	
ENSG0000024271	9	7380574	7380560	LINC02026	havana	lncRNA	-0.104614	3.65e-01 <td>-0.054839</td> <td>7.23e-01 <td>-0.124095</td> <td>5.37e-01 <td>-0.092812</td> <td>6.45e-01 <td>-0.195215</td> <td>5.75e-01 <td>-0.115473</td> <td>5.98e-01 <td>-0.115473</td> <td>5.98e-01 </td></td></td></td></td></td>	-0.054839	7.23e-01 <td>-0.124095</td> <td>5.37e-01 <td>-0.092812</td> <td>6.45e-01 <td>-0.195215</td> <td>5.75e-01 <td>-0.115473</td> <td>5.98e-01 <td>-0.115473</td> <td>5.98e-01 </td></td></td></td></td>	-0.124095	5.37e-01 <td>-0.092812</td> <td>6.45e-01 <td>-0.195215</td> <td>5.75e-01 <td>-0.115473</td> <td>5.98e-01 <td>-0.115473</td> <td>5.98e-01 </td></td></td></td>	-0.092812	6.45e-01 <td>-0.195215</td> <td>5.75e-01 <td>-0.115473</td> <td>5.98e-01 <td>-0.115473</td> <td>5.98e-01 </td></td></td>	-0.195215	5.75e-01 <td>-0.115473</td> <td>5.98e-01 <td>-0.115473</td> <td>5.98e-01 </td></td>	-0.115473	5.98e-01 <td>-0.115473</td> <td>5.98e-01 </td>	-0.115473	5.98e-01	
ENSG0000026462	12	13131045	13131281	AC09280.2	havana	tagene	lncRNA	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
ENSG0000013423	11	11321586	11321587	TRIM45	ensembl	protein coding	-0.156688	2.02e-01 <td>-0.074923</td> <td>8.56e-01 <td>-0.092729</td> <td>1.33e-01 <td>-0.092729</td> <td>6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td></td></td></td>	-0.074923	8.56e-01 <td>-0.092729</td> <td>1.33e-01 <td>-0.092729</td> <td>6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td></td></td>	-0.092729	1.33e-01 <td>-0.092729</td> <td>6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td></td>	-0.092729	6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td>	-0.209736	2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td>	-0.187361	6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td>	-0.056468	6.54e-01	
ENSG0000017928	20	2204563	2204972	THSD	ensembl	havana	-0.219502	7.82e-01 <td>-0.065515</td> <td>6.46e-01 <td>-0.307645</td> <td>1.18e-01 <td>-0.028881</td> <td>6.45e-01 <td>-0.272029</td> <td>5.02e-01 <td>-0.241718</td> <td>2.67e-01 <td>-0.268384</td> <td>5.95e-01 </td></td></td></td></td></td>	-0.065515	6.46e-01 <td>-0.307645</td> <td>1.18e-01 <td>-0.028881</td> <td>6.45e-01 <td>-0.272029</td> <td>5.02e-01 <td>-0.241718</td> <td>2.67e-01 <td>-0.268384</td> <td>5.95e-01 </td></td></td></td></td>	-0.307645	1.18e-01 <td>-0.028881</td> <td>6.45e-01 <td>-0.272029</td> <td>5.02e-01 <td>-0.241718</td> <td>2.67e-01 <td>-0.268384</td> <td>5.95e-01 </td></td></td></td>	-0.028881	6.45e-01 <td>-0.272029</td> <td>5.02e-01 <td>-0.241718</td> <td>2.67e-01 <td>-0.268384</td> <td>5.95e-01 </td></td></td>	-0.272029	5.02e-01 <td>-0.241718</td> <td>2.67e-01 <td>-0.268384</td> <td>5.95e-01 </td></td>	-0.241718	2.67e-01 <td>-0.268384</td> <td>5.95e-01 </td>	-0.268384	5.95e-01	
ENSG0000027541	1	12022001	12022748	SFRP1	ensembl	havana	-0.007973	8.47e-01 <td>-0.026763</td> <td>5.54e-01 <td>-0.091309</td> <td>8.51e-01 <td>-0.092839</td> <td>6.45e-01 <td>-0.022840</td> <td>7.36e-01 <td>0.1888001</td> <td>4.41e-01 <td>0.058484</td> <td>1.92e-01 </td></td></td></td></td></td>	-0.026763	5.54e-01 <td>-0.091309</td> <td>8.51e-01 <td>-0.092839</td> <td>6.45e-01 <td>-0.022840</td> <td>7.36e-01 <td>0.1888001</td> <td>4.41e-01 <td>0.058484</td> <td>1.92e-01 </td></td></td></td></td>	-0.091309	8.51e-01 <td>-0.092839</td> <td>6.45e-01 <td>-0.022840</td> <td>7.36e-01 <td>0.1888001</td> <td>4.41e-01 <td>0.058484</td> <td>1.92e-01 </td></td></td></td>	-0.092839	6.45e-01 <td>-0.022840</td> <td>7.36e-01 <td>0.1888001</td> <td>4.41e-01 <td>0.058484</td> <td>1.92e-01 </td></td></td>	-0.022840	7.36e-01 <td>0.1888001</td> <td>4.41e-01 <td>0.058484</td> <td>1.92e-01 </td></td>	0.1888001	4.41e-01 <td>0.058484</td> <td>1.92e-01 </td>	0.058484	1.92e-01	
ENSG0000014713	16	7556675	7577781	SABARP1L	ensembl	havana	-0.045798	6.92e-01 <td>-0.027729</td> <td>8.21e-01 <td>-0.137628</td> <td>4.94e-01 <td>-0.092928</td> <td>6.45e-01 <td>-0.021447</td> <td>8.16e-01 <td>-0.154708</td> <td>2.41e-01 <td>-0.185348</td> <td>6.88e-01 </td></td></td></td></td></td>	-0.027729	8.21e-01 <td>-0.137628</td> <td>4.94e-01 <td>-0.092928</td> <td>6.45e-01 <td>-0.021447</td> <td>8.16e-01 <td>-0.154708</td> <td>2.41e-01 <td>-0.185348</td> <td>6.88e-01 </td></td></td></td></td>	-0.137628	4.94e-01 <td>-0.092928</td> <td>6.45e-01 <td>-0.021447</td> <td>8.16e-01 <td>-0.154708</td> <td>2.41e-01 <td>-0.185348</td> <td>6.88e-01 </td></td></td></td>	-0.092928	6.45e-01 <td>-0.021447</td> <td>8.16e-01 <td>-0.154708</td> <td>2.41e-01 <td>-0.185348</td> <td>6.88e-01 </td></td></td>	-0.021447	8.16e-01 <td>-0.154708</td> <td>2.41e-01 <td>-0.185348</td> <td>6.88e-01 </td></td>	-0.154708	2.41e-01 <td>-0.185348</td> <td>6.88e-01 </td>	-0.185348	6.88e-01	
ENSG0000010146	20	3456042	3456070	PGL1	ensembl	havana	-0.172087	1.33e-01 <td>-0.090967</td> <td>4.66e-01 <td>-0.082290</td> <td>8.86e-01 <td>-0.092929</td> <td>6.45e-01 <td>-0.188068</td> <td>8.28e-01 <td>-0.328469</td> <td>1.26e-01 <td>-0.049117</td> <td>7.07e-01 </td></td></td></td></td></td>	-0.090967	4.66e-01 <td>-0.082290</td> <td>8.86e-01 <td>-0.092929</td> <td>6.45e-01 <td>-0.188068</td> <td>8.28e-01 <td>-0.328469</td> <td>1.26e-01 <td>-0.049117</td> <td>7.07e-01 </td></td></td></td></td>	-0.082290	8.86e-01 <td>-0.092929</td> <td>6.45e-01 <td>-0.188068</td> <td>8.28e-01 <td>-0.328469</td> <td>1.26e-01 <td>-0.049117</td> <td>7.07e-01 </td></td></td></td>	-0.092929	6.45e-01 <td>-0.188068</td> <td>8.28e-01 <td>-0.328469</td> <td>1.26e-01 <td>-0.049117</td> <td>7.07e-01 </td></td></td>	-0.188068	8.28e-01 <td>-0.328469</td> <td>1.26e-01 <td>-0.049117</td> <td>7.07e-01 </td></td>	-0.328469	1.26e-01 <td>-0.049117</td> <td>7.07e-01 </td>	-0.049117	7.07e-01	
ENSG0000024475	11	7675709	7670335	ADP018.4	havana	lncRNA	YES	-0.061284	5.96e-01 <td>-0.057013</td> <td>6.94e-01 <td>-0.188925</td> <td>4.89e-01 <td>-0.092935</td> <td>6.45e-01 <td>-0.142179</td> <td>2.85e-01 <td>0.000603</td> <td>9.57e-01 <td>-0.100413</td> <td>4.88e-01 </td></td></td></td></td></td>	-0.057013	6.94e-01 <td>-0.188925</td> <td>4.89e-01 <td>-0.092935</td> <td>6.45e-01 <td>-0.142179</td> <td>2.85e-01 <td>0.000603</td> <td>9.57e-01 <td>-0.100413</td> <td>4.88e-01 </td></td></td></td></td>	-0.188925	4.89e-01 <td>-0.092935</td> <td>6.45e-01 <td>-0.142179</td> <td>2.85e-01 <td>0.000603</td> <td>9.57e-01 <td>-0.100413</td> <td>4.88e-01 </td></td></td></td>	-0.092935	6.45e-01 <td>-0.142179</td> <td>2.85e-01 <td>0.000603</td> <td>9.57e-01 <td>-0.100413</td> <td>4.88e-01 </td></td></td>	-0.142179	2.85e-01 <td>0.000603</td> <td>9.57e-01 <td>-0.100413</td> <td>4.88e-01 </td></td>	0.000603	9.57e-01 <td>-0.100413</td> <td>4.88e-01 </td>	-0.100413	4.88e-01
ENSG0000024473	10	3604319	3604376	CNDP3	ensembl	havana	-0.0105174	9.28e-01 <td>-0.024666</td> <td>8.65e-01 <td>-0.052739</td> <td>7.94e-01</td> <td>-0.092947</td> <td>6.45e-01 <td>-0.200245</td> <td>8.58e-01 <td>-0.200738</td> <td>1.97e-01 <td>-0.125248</td> <td>3.84e-01 </td></td></td></td></td>	-0.024666	8.65e-01 <td>-0.052739</td> <td>7.94e-01</td> <td>-0.092947</td> <td>6.45e-01 <td>-0.200245</td> <td>8.58e-01 <td>-0.200738</td> <td>1.97e-01 <td>-0.125248</td> <td>3.84e-01 </td></td></td></td>	-0.052739	7.94e-01	-0.092947	6.45e-01 <td>-0.200245</td> <td>8.58e-01 <td>-0.200738</td> <td>1.97e-01 <td>-0.125248</td> <td>3.84e-01 </td></td></td>	-0.200245	8.58e-01 <td>-0.200738</td> <td>1.97e-01 <td>-0.125248</td> <td>3.84e-01 </td></td>	-0.200738	1.97e-01 <td>-0.125248</td> <td>3.84e-01 </td>	-0.125248	3.84e-01	
ENSG0000012577	4	11908457	11966139	PDP2C	ensembl	havana	-0.114511	1.48e-01 <td>-0.114511</td> <td>2.88e-01 <td>-0.128169</td> <td>3.84e-01 <td>-0.092949</td> <td>6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td></td></td></td>	-0.114511	2.88e-01 <td>-0.128169</td> <td>3.84e-01 <td>-0.092949</td> <td>6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td></td></td>	-0.128169	3.84e-01 <td>-0.092949</td> <td>6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td></td>	-0.092949	6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td>	-0.178238	3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td>	-0.084824	7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td>	-0.162112	4.01e-01	
ENSG0000013358	9	19652739	19652891	AC09280.1	havana	unprocessed pseud	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
ENSG0000023781	8	9346406	9346702	ZNF1371	ensembl	havana	-0.1118647	3.33e-01 <td>-0.068973</td> <td>6.95e-01 <td>-0.195514</td> <td>4.27e-01 <td>-0.092971</td> <td>6.45e-01 <td>-0.158634</td> <td>2.66e-01 <td>-0.209365</td> <td>7.05e-01 <td>-0.128721</td> <td>9.16e-01 </td></td></td></td></td></td>	-0.068973	6.95e-01 <td>-0.195514</td> <td>4.27e-01 <td>-0.092971</td> <td>6.45e-01 <td>-0.158634</td> <td>2.66e-01 <td>-0.209365</td> <td>7.05e-01 <td>-0.128721</td> <td>9.16e-01 </td></td></td></td></td>	-0.195514	4.27e-01 <td>-0.092971</td> <td>6.45e-01 <td>-0.158634</td> <td>2.66e-01 <td>-0.209365</td> <td>7.05e-01 <td>-0.128721</td> <td>9.16e-01 </td></td></td></td>	-0.092971	6.45e-01 <td>-0.158634</td> <td>2.66e-01 <td>-0.209365</td> <td>7.05e-01 <td>-0.128721</td> <td>9.16e-01 </td></td></td>	-0.158634	2.66e-01 <td>-0.209365</td> <td>7.05e-01 <td>-0.128721</td> <td>9.16e-01 </td></td>	-0.209365	7.05e-01 <td>-0.128721</td> <td>9.16e-01 </td>	-0.128721	9.16e-01	
ENSG0000015643	12	7035630	7036292	ICN18B	ensembl	havana	-0.12488	2.02e-01 <td>-0.074923</td> <td>8.56e-01 <td>-0.092729</td> <td>1.33e-01 <td>-0.092729</td> <td>6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td></td></td></td>	-0.074923	8.56e-01 <td>-0.092729</td> <td>1.33e-01 <td>-0.092729</td> <td>6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td></td></td>	-0.092729	1.33e-01 <td>-0.092729</td> <td>6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td></td>	-0.092729	6.45e-01 <td>-0.209736</td> <td>2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td></td>	-0.209736	2.28e-01 <td>-0.187361</td> <td>6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td></td>	-0.187361	6.78e-01 <td>-0.056468</td> <td>6.54e-01 </td>	-0.056468	6.54e-01	
ENSG0000024887	19	4213555	4213709	AC01024.1	havana	lncRNA	-0.124628	2.80e-01 <td>-0.064888</td> <td>6.46e-01 <td>-0.0779984</td> <td>7.02e-01 <td>-0.093025</td> <td>6.44e-01 <td>-0.193503</td> <td>5.57e-01 <td>-0.0904517</td> <td>9.84e-01 <td>-0.0207791</td> <td>8.63e-01 </td></td></td></td></td></td>	-0.064888	6.46e-01 <td>-0.0779984</td> <td>7.02e-01 <td>-0.093025</td> <td>6.44e-01 <td>-0.193503</td> <td>5.57e-01 <td>-0.0904517</td> <td>9.84e-01 <td>-0.0207791</td> <td>8.63e-01 </td></td></td></td></td>	-0.0779984	7.02e-01 <td>-0.093025</td> <td>6.44e-01 <td>-0.193503</td> <td>5.57e-01 <td>-0.0904517</td> <td>9.84e-01 <td>-0.0207791</td> <td>8.63e-01 </td></td></td></td>	-0.093025	6.44e-01 <td>-0.193503</td> <td>5.57e-01 <td>-0.0904517</td> <td>9.84e-01 <td>-0.0207791</td> <td>8.63e-01 </td></td></td>	-0.193503	5.57e-01 <td>-0.0904517</td> <td>9.84e-01 <td>-0.0207791</td> <td>8.63e-01 </td></td>	-0.0904517	9.84e-01 <td>-0.0207791</td> <td>8.63e-01 </td>	-0.0207791	8.63e-01	
ENSG0000014248	19	5396304	5399215	CAC6B	ensembl	havana	-0.018794	6.54e-01 <td>-0.027749</td> <td>8.48e-01 <td>-0.093028</td> <td>7.48e-01 <td>-0.093028</td> <td>6.44e-01 <td>-0.073927</td> <td>8.36e-01 <td>-0.197129</td> <td>6.37e-01 <td>-0.1474603</td> <td>3.70e-01 </td></td></td></td></td></td>	-0.027749	8.48e-01 <td>-0.093028</td> <td>7.48e-01 <td>-0.093028</td> <td>6.44e-01 <td>-0.073927</td> <td>8.36e-01 <td>-0.197129</td> <td>6.37e-01 <td>-0.1474603</td> <td>3.70e-01 </td></td></td></td></td>	-0.093028	7.48e-01 <td>-0.093028</td> <td>6.44e-01 <td>-0.073927</td> <td>8.36e-01 <td>-0.197129</td> <td>6.37e-01 <td>-0.1474603</td> <td>3.70e-01 </td></td></td></td>	-0.093028	6.44e-01 <td>-0.073927</td> <td>8.36e-01 <td>-0.197129</td> <td>6.37e-01 <td>-0.1474603</td> <td>3.70e-01 </td></td></td>	-0.073927	8.36e-01 <td>-0.197129</td> <td>6.37e-01 <td>-0.1474603</td> <td>3.70e-01 </td></td>	-0.197129	6.37e-01 <td>-0.1474603</td> <td>3.70e-01 </td>	-0.1474603	3.70e-01	
ENSG0000027280	6	1609940	1611941	ZNF121	ensembl	havana	-0.088944	7.40e-01 <td>-0.047462</td> <td>9.85e-01 <td>-0.2547193</td> <td>2.06e-01 <td>-0.093041</td> <td>6.44e-01 <td>-0.001913</td> <td>9.88e-01 <td>-0.0424209</td> <td>1.77e-01 <td>-0.0868434</td> <td>5.98e-01 </td></td></td></td></td></td>	-0.047462	9.85e-01 <td>-0.2547193</td> <td>2.06e-01 <td>-0.093041</td> <td>6.44e-01 <td>-0.001913</td> <td>9.88e-01 <td>-0.0424209</td> <td>1.77e-01 <td>-0.0868434</td> <td>5.98e-01 </td></td></td></td></td>	-0.2547193	2.06e-01 <td>-0.093041</td> <td>6.44e-01 <td>-0.001913</td> <td>9.88e-01 <td>-0.0424209</td> <td>1.77e-01 <td>-0.0868434</td> <td>5.98e-01 </td></td></td></td>	-0.093041	6.44e-01 <td>-0.001913</td> <td>9.88e-01 <td>-0.0424209</td> <td>1.77e-01 <td>-0.0868434</td> <td>5.98e-01 </td></td></td>	-0.001913	9.88e-01 <td>-0.0424209</td> <td>1.77e-01 <td>-0.0868434</td> <td>5.98e-01 </td></td>	-0.0424209	1.77e-01 <td>-0.0868434</td> <td>5.98e-01 </td>	-0.0868434	5.98e-01	
ENSG0000014807	6	7939389	7949800	PUR1	ensembl	havana	-0.099128	6.71e-01 <td>-0.091444</td> <td>5.01e-01 <td>-0.171477</td> <td>3.76e-01 <td>-0.093095</td> <td>6.44e-01 <td>-0.147133</td> <td>8.88e-01 <td>-0.169388</td> <td>4.42e-01 <td>-0.162537</td> <td>2.99e-01 </td></td></td></td></td></td>	-0.091444	5.01e-01 <td>-0.171477</td> <td>3.76e-01 <td>-0.093095</td> <td>6.44e-01 <td>-0.147133</td> <td>8.88e-01 <td>-0.169388</td> <td>4.42e-01 <td>-0.162537</td> <td>2.99e-01 </td></td></td></td></td>	-0.171477	3.76e-01 <td>-0.093095</td> <td>6.44e-01 <td>-0.147133</td> <td>8.88e-01 <td>-0.169388</td> <td>4.42e-01 <td>-0.162537</td> <td>2.99e-01 </td></td></td></td>	-0.093095	6.44e-01 <td>-0.147133</td> <td>8.88e-01 <td>-0.169388</td> <td>4.42e-01 <td>-0.162537</td> <td>2.99e-01 </td></td></td>	-0.147133	8.88e-01 <td>-0.169388</td> <td>4.42e-01 <td>-0.162537</td> <td>2.99e-01 </td></td>	-0.169388	4.42e-01 <td>-0.162537</td> <td>2.99e-01 </td>	-0.162537	2.99e-01	
ENSG0000015249	13	9460187	9463661	EP381B	ensembl	havana	-0.0471689	6.84e-01 <td>-0.0634703</td> <td>6.37e-01 <td>-0.0611549</td> <td>9.56e-01 <td>-0.1807748</td> <td>6.44e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 </td></td></td></td></td></td>	-0.0634703	6.37e-01 <td>-0.0611549</td> <td>9.56e-01 <td>-0.1807748</td> <td>6.44e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 </td></td></td></td></td>	-0.0611549	9.56e-01 <td>-0.1807748</td> <td>6.44e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 </td></td></td></td>	-0.1807748	6.44e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 </td></td></td>	-0.1725561	9.07e-01 <td>-0.1725561</td> <td>9.07e-01 <td>-0.1725561</td> <td>9.07e-01 </td></td>	-0.1725561	9.07e-01 <td>-0.1725561</td> <td>9.07e-01 </td>	-0.1725561	9.07e-01	
ENSG0000027373	1	17411028	17410365	RAB39L1P	ensembl	havana	-0.178758	1.20e-01 <td>-0.034928</td> <td>8.10e-01 <td>-0.084818</td> <td>6.76e-01 <td>-0.091155</td> <td>6.44e-01 <td>-0.040249</td> <td>9.38e-01 <td>-0.070248</td> <td>7.34e-01 <td>-0.098888</td> <td>5.03e-01 </td></td></td></td></td></td>	-0.034928	8.10e-01 <td>-0.084818</td> <td>6.76e-01 <td>-0.091155</td> <td>6.44e-01 <td>-0.040249</td> <td>9.38e-01 <td>-0.070248</td> <td>7.34e-01 <td>-0.098888</td> <td>5.03e-01 </td></td></td></td></td>	-0.084818	6.76e-01 <td>-0.091155</td> <td>6.44e-01 <td>-0.040249</td> <td>9.38e-01 <td>-0.070248</td> <td>7.34e-01 <td>-0.098888</td> <td>5.03e-01 </td></td></td></td>	-0.091155	6.44e-01 <td>-0.040249</td> <td>9.38e-01 <td>-0.070248</td> <td>7.34e-01 <td>-0.098888</td> <td>5.03e-01 </td></td></td>	-0.040249	9.38e-01 <td>-0.070248</td> <td>7.34e-01 <td>-0.098888</td> <td>5.03e-01 </td></td>	-0.070248	7.34e-01 <td>-0.098888</td> <td>5.03e-01 </td>	-0.098888	5.03e-01	
ENSG0000027338	1	4914256	4914883	RAG3	ensembl	havana	-0.0545138	2.92e-01 <td>-0.024518</td> <td>8.00e-01 <td>-0.0515869</td> <td>6.46e-01 <td>-0.093089</td> <td>6.44e-01 <td>-0.238001</td> <td>6.66e-01 <td>-0.198666</td> <td>6.44e-01 <td>-0.146024</td> <td>7.44e-01 </td></td></td></td></td></td>	-0.024518	8.00e-01 <td>-0.0515869</td> <td>6.46e-01 <td>-0.093089</td> <td>6.44e-01 <td>-0.238001</td> <td>6.66e-01 <td>-0.198666</td> <td>6.44e-01 <td>-0.146024</td> <td>7.44e-01 </td></td></td></td></td>	-0.0515869	6.46e-01 <td>-0.093089</td> <td>6.44e-01 <td>-0.238001</td> <td>6.66e-01 <td>-0.198666</td> <td>6.44e-01 <td>-0.146024</td> <td>7.44e-01 </td></td></td></td>	-0.093089	6.44e-01 <td>-0.238001</td> <td>6.66e-01 <td>-0.198666</td> <td>6.44e-01 <td>-0.146024</td> <td>7.44e-01 </td></td></td>	-0.238001	6.66e-01 <td>-0.198666</td> <td>6.44e-01 <td>-0.146024</td> <td>7.44e-01 </td></td>	-0.198666	6.44e-01 <td>-0.146024</td> <td>7.44e-01 </td>	-0.146024	7.44e-01	
ENSG0000014945	6	384913	385120	FAM50B	ensembl	havana	-0.0447428	6.98e-01 <td>-0.045489</td> <td>7.33e-01 <td>-0.168794</td> <td>4.08e-01 <td>-0.091812</td> <td>6.44e-01 <td>-0.083265</td> <td>8.05e-01 <td>-0.2261237</td> <td>3.70e-01 <td>-0.006289</td> <td>9.08e-01 </td></td></td></td></td></td>	-0.045489	7.33e-01 <td>-0.168794</td> <td>4.08e-01 <td>-0.091812</td> <td>6.44e-01 <td>-0.083265</td> <td>8.05e-01 <td>-0.2261237</td> <td>3.70e-01 <td>-0.006289</td> <td>9.08e-01 </td></td></td></td></td>	-0.168794	4.08e-01 <td>-0.091812</td> <td>6.44e-01 <td>-0.083265</td> <td>8.05e-01 <td>-0.2261237</td> <td>3.70e-01 <td>-0.006289</td> <td>9.08e-01 </td></td></td></td>	-0.091812	6.44e-01 <td>-0.083265</td> <td>8.05e-01 <td>-0.2261237</td> <td>3.70e-01 <td>-0.006289</td> <td>9.08e-01 </td></td></td>	-0.083265	8.05e-01 <td>-0.2261237</td> <td>3.70e-01 <td>-0.006289</td> <td>9.08e-01 </td></td>	-0.2261237	3.70e-01 <td>-0.006289</td> <td>9.08e-01 </td>	-0.006289	9.08e-01	
ENSG0000018637	5	12974094	12976732	MINAR2	ensembl	havana	-0.0666239	9.54e-01 <td>-0.010032</td> <td>9.45e-01 <td>-0.2285871</td> <td>2.52e-01 <td>-0.091884</td> <td>6.44e-01 <td>-0.036183</td> <td>7.95e-01 <td>-0.077064</td> <td>7.27e-01 <td>-0.0588465</td> <td>6.57e-01 </td></td></td></td></td></td>	-0.010032	9.45e-01 <td>-0.2285871</td> <td>2.52e-01 <td>-0.091884</td> <td>6.44e-01 <td>-0.036183</td> <td>7.95e-01 <td>-0.077064</td> <td>7.27e-01 <td>-0.0588465</td> <td>6.57e-01 </td></td></td></td></td>	-0.2285871	2.52e-01 <td>-0.091884</td> <td>6.44e-01 <td>-0.036183</td> <td>7.95e-01 <td>-0.077064</td> <td>7.27e-01 <td>-0.0588465</td> <td>6.57e-01 </td></td></td></td>	-0.091884	6.44e-01 <td>-0.036183</td> <td>7.95e-01 <td>-0.077064</td> <td>7.27e-01 <td>-0.0588465</td> <td>6.57e-01 </td></td></td>	-0.036183	7.95e-01 <td>-0.077064</td> <td>7.27e-01 <td>-0.0588465</td> <td>6.57e-01 </td></td>	-0.077064	7.27e-01 <td>-0.0588465</td> <td>6.57e-01 </td>	-0.0588465	6.57e-01	
ENSG0000023623	14	11908457	11966139	PDP2C	ensembl	havana	-0.114511	1.48e-01 <td>-0.114511</td> <td>2.88e-01 <td>-0.128169</td> <td>3.84e-01 <td>-0.092949</td> <td>6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td></td></td></td>	-0.114511	2.88e-01 <td>-0.128169</td> <td>3.84e-01 <td>-0.092949</td> <td>6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td></td></td>	-0.128169	3.84e-01 <td>-0.092949</td> <td>6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td></td>	-0.092949	6.45e-01 <td>-0.178238</td> <td>3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td></td>	-0.178238	3.97e-01 <td>-0.084824</td> <td>7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td></td>	-0.084824	7.05e-01 <td>-0.162112</td> <td>4.01e-01 </td>	-0.162112	4.01e-01	
ENSG0000024509	14	1029588	10295945	rRNA	ensembl	mic RNA	-0.124778	2.98e-01 <td>-0.137003</td> <td>7.40e-01 <td>-0.155024</td> <td>4.40e-01 <td>-0.0931218</td> <td>6.44e-01 <td>-0.033614</td> <td>2.66e-01 <td>-0.138414</td> <td>3.62e-01 <td>-0.138414</td> <td>3.62e-01 </td></td></td></td></td></td>	-0.137003	7.40e-01 <td>-0.155024</td> <td>4.40e-01 <td>-0.0931218</td> <td>6.44e-01 <td>-0.033614</td> <td>2.66e-01 <td>-0.138414</td> <td>3.62e-01 <td>-0.138414</td> <td>3.62e-01 </td></td></td></td></td>	-0.155024	4.40e-01 <td>-0.0931218</td> <td>6.44e-01 <td>-0.033614</td> <td>2.66e-01 <td>-0.138414</td> <td>3.62e-01 <td>-0.138414</td> <td>3.62e-01 </td></td></td></td>	-0.0931218	6.44e-01 <td>-0.033614</td> <td>2.66e-01 <td>-0.138414</td> <td>3.62e-01 <td>-0.138414</td> <td>3.62e-01 </td></td></td>	-0.033614	2.66e-01 <td>-0.138414</td> <td>3.62e-01 <td>-0.138414</td> <td>3.62e-01 </td></td>	-0.138414	3.62e-01 <td>-0.138414</td> <td>3.62e-01 </td>	-0.138414	3.62e-01	
ENSG0000012641	2	1912415	1912438	MYO1B	ensembl	havana	-0.116429	2.54e-01 <td>-0.000274</td> <td>9.95e-01 <td>-0.162558</td> <td>4.18e-01 <td>-0.093203</td> <td>6.44e-01 <td>-0.241785</td> <td>7.82e-01 <td>-0.107449</td> <td>6.25e-01 <td>-0.143111</td> <td>3.14e-01 </td></td></td></td></td></td>	-0.000274	9.95e-01 <td>-0.162558</td> <td>4.18e-01 <td>-0.093203</td> <td>6.44e-01 <td>-0.241785</td> <td>7.82e-01 <td>-0.107449</td> <td>6.25e-01 <td>-0.143111</td> <td>3.14e-01 </td></td></td></td></td>	-0.162558	4.18e-01 <td>-0.093203</td> <td>6.44e-01 <td>-0.241785</td> <td>7.82e-01 <td>-0.107449</td> <td>6.25e-01 <td>-0.143111</td> <td>3.14e-01 </td></td></td></td>	-0.093203	6.44e-01 <td>-0.241785</td> <td>7.82e-01 <td>-0.107449</td> <td>6.25e-01 <td>-0.143111</td> <td>3.14e-01 </td></td></td>	-0.241785	7.82e-01 <td>-0.107449</td> <td>6.25e-01 <td>-0.143111</td> <td>3.14e-01 </td></td>	-0.107449	6.25e-01 <td>-0.143111</td> <td>3.14e-01 </td>	-0.143111	3.14e-01	
ENSG0000023931	13	14448748	14449684	AC09280.2	havana	unprocessed pseud	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
ENSG0000012024	5	14119233	14119547	PCPD1B	ensembl	havana	-0.0992309	4.00e-01 <td>-0.071737</td> <td>6.21e-01 <td>-0.0427813</td> <td>9.05e-01 <td>-0.093047</td> <td>6.44e-01 <td>-0.117107</td> <td>9.07e-01 <td>-0.0906136</td> <td>6.81e-01 <td>-0.131101</td> <td>8.74e-01 </td></td></td></td></td></td>	-0.071737	6.21e-01 <td>-0.0427813</td> <td>9.05e-01 <td>-0.093047</td> <td>6.44e-01 <td>-0.117107</td> <td>9.07e-01 <td>-0.0906136</td> <td>6.81e-01 <td>-0.131101</td> <td>8.74e-01 </td></td></td></td></td>	-0.0427813	9.05e-01 <td>-0.093047</td> <td>6.44e-01 <td>-0.117107</td> <td>9.07e-01 <td>-0.0906136</td> <td>6.81e-01 <td>-0.131101</td> <td>8.74e-01 </td></td></td></td>	-0.093047	6.44e-01 <td>-0.117107</td> <td>9.07e-01 <td>-0.0906136</td> <td>6.81e-01 <td>-0.131101</td> <td>8.74e-01 </td></td></td>	-0.117107	9.07e-01 <td>-0.0906136</td> <td>6.81e-01 <td>-0.131101</td> <td>8.74e-01 </td></td>	-0.0906136	6.81e-01 <td>-0.131101</td> <td>8.74e-01 </td>	-0.131101	8.74e-01	
ENSG0000024440	6	13811286	13811849	PBOV1	ensembl	havana	-0.173803	1.11e-01 <td>-0.091788</td> <td>5.36e-01 <td>-0.101627</td> <td>5.68e-01 <td>-0.093269</td> <td>6.44e-01 <td>-0.233181</td> <td>8.69e-01 <td>-0.094053</td> <td>6.36e-01 <td>-0.336601</td> <td>4.38e-01 </td></td></td></td></td></td>	-0.091788	5.36e-01 <td>-0.101627</td> <td>5.68e-01 <td>-0.093269</td> <td>6.44e-01 <td>-0.233181</td> <td>8.69e-01 <td>-0.094053</td> <td>6.36e-01 <td>-0.336601</td> <td>4.38e-01 </td></td></td></td></td>	-0.101627	5.68e-01 <td>-0.093269</td> <td>6.44e-01 <td>-0.233181</td> <td>8.69e-01 <td>-0.094053</td> <td>6.36e-01 <td>-0.336601</td> <td>4.38e-01 </td></td></td></td>	-0.093269	6.44e-01 <td>-0.233181</td> <td>8.69e-01 <td>-0.094053</td> <td>6.36e-01 <td>-0.336601</td> <td>4.38e-01 </td></td></td>	-0.233181	8.69e-01 <td>-0.094053</td> <td>6.36e-01 <td>-0.336601</td> <td>4.38e-01 </td></td>	-0.094053	6.36e-01 <td>-0.336601</td> <td>4.38e-01 </td>	-0.336601	4.38e-01	
ENSG0000019404	19	4195668	4195921	RAB31	ensembl	havana	-0.0329209	7.74e-01 <td>-0.139362</td> <td>4.70e-01 <td>-0.297370</td> <td>1.33e-01 <td>-0.093718</td> <td>6.44e-01 <td>-0.011533</td> <td>8.24e-01 <td>-0.280835</td> <td>1.88e-01 <td>-0.256601</td> <td>7.02e-01 </td></td></td></td></td></td>	-0.139362	4.70e-01 <td>-0.297370</td> <td>1.33e-01 <td>-0.093718</td> <td>6.44e-01 <td>-0.011533</td> <td>8.24e-01 <td>-0.280835</td> <td>1.88e-01 <td>-0.256601</td> <td>7.02e-01 </td></td></td></td></td>	-0.297370	1.33e-01 <td>-0.093718</td> <td>6.44e-01 <td>-0.011533</td> <td>8.24e-01 <td>-0.280835</td> <td>1.88e-01 <td>-0.256601</td> <td>7.02e-01 </td></td></td></td>	-0.093718	6.44e-01 <td>-0.011533</td> <td>8.24e-01 <td>-0.280835</td> <td>1.88e-01 <td>-0.256601</td> <td>7.02e-01 </td></td></td>	-0.011533	8.24e-01 <td>-0.280835</td> <td>1.88e-01 <td>-0.256601</td> <td>7.02e-01 </td></td>	-0.280835	1.88e-01 <td>-0.256601</td> <td>7.02e-01 </td>	-0.256601	7.02e-01	
ENSG0000023931	13	14448748	14449684	AC09280.2	havana	unprocessed pseud	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
ENSG0000014667	1	18487029	18482019	CTCF2	ensembl	havana	-0.0006044	9.97e-01 <td>-0.038638</td> <td>7.90e-01 <td>-0.104282</td> <td>6.05e-01 <td>-0.091284</td> <td>6.44e-01 <td>-0.001451</td> <td>9.92e-01 <td>-0.078952</td> <td>8.88e-01 <td>-0.0434129</td> <td>7.54e-01 </td></td></td></td></td></td>	-0.038638	7.90e-01 <td>-0.104282</td> <td>6.05e-01 <td>-0.091284</td> <td>6.44e-01 <td>-0.001451</td> <td>9.92e-01 <td>-0.078952</td> <td>8.88e-01 <td>-0.0434129</td> <td>7.54e-01 </td></td></td></td></td>	-0.104282	6.05e-01 <td>-0.091284</td> <td>6.44e-01 <td>-0.001451</td> <td>9.92e-01 <td>-0.078952</td> <td>8.88e-01 <td>-0.0434129</td> <td>7.54e-01 </td></td></td></td>	-0.091284	6.44e-01 <td>-0.001451</td> <td>9.92e-01 <td>-0.078952</td> <td>8.88e-01 <td>-0.0434129</td> <td>7.54e-01 </td></td></td>	-0.001451	9.92e-01 <td>-0.078952</td> <td>8.88e-01 <td>-0.0434129</td> <td>7.54e-01 </td></td>	-0.078952	8.88e-01 <td>-0.0434129</td> <td>7.54e-01 </td>	-0.0434129	7.54e-01	
ENSG0000013304	19	11527898	11522288	AC09482.2	havana	unprocessed pseud	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
ENSG0000010751	1	9612873	9612873	CTCF2	ensembl	havana	-0.046413	5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>6.44e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 </td></td></td></td></td></td>	-0.046413	5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>6.44e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 </td></td></td></td></td>	-0.046413	5.76e-01 <td>-0.046413</td> <td>6.44e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 </td></td></td></td>	-0.046413	6.44e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 </td></td></td>	-0.046413	5.76e-01 <td>-0.046413</td> <td>5.76e-01 <td>-0.046413</td> <td>5.76e-01 </td></td>	-0.046413	5.76e-01 <td>-0.046413</td> <td>5.76e-01 </td>	-0.046413	5.76e-01	
ENSG0000011993	7	9512873	9514041	BM48	ensembl	havana	-0.235149	3.85e-01 <td>-0.051921</td> <td>8.00e-01 <td>-0.093138</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 </td></td></td></td></td></td>	-0.051921	8.00e-01 <td>-0.093138</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 </td></td></td></td></td>	-0.093138	6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 </td></td></td></td>	-0.093144	6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 </td></td></td>	-0.093144	6.48e-01 <td>-0.093144</td> <td>6.48e-01 <td>-0.093144</td> <td>6.48e-01 </td></td>	-0.093144	6.48e-01 <td>-0.093144</td> <td>6.48e-01 </td>	-0.093144	6.48e-01	
ENSG0000004547	16	7059981	7062300	ADAM1	ensembl	havana	-0.135091	2.41e-01 <td>-0.181099</td> <td>2.06e-01 <td>-0.093286</td> <td>6.44e-01 <td>-0.111602</td> <td>6.44e-01 <td>-0.044071</td> <td>8.88e-01 <td>-0.078473</td> <td>7.87e-01 <td>-0.022469</td> <td>8.77e-01 </td></td></td></td></td></td>	-0.181099	2.06e-01 <td>-0.093286</td> <td>6.44e-01 <td>-0.111602</td> <td>6.44e-01 <td>-0.044071</td> <td>8.88e-01 <td>-0.078473</td> <td>7.87e-01 <td>-0.022469</td> <td>8.77e-01 </td></td></td></td></td>	-0.093286	6.44e-01 <td>-0.111602</td> <td>6.44e-01 <td>-0.044071</td> <td>8.88e-01 <td>-0.078473</td> <td>7.87e-01 <td>-0.022469</td> <td>8.77e-01 </td></td></td></td>	-0.111602	6.44e-01 <td>-0.044071</td> <td>8.88e-01 <td>-0.078473</td> <td>7.87e-01 <td>-0.022469</td> <td>8.77e-01 </td></td></td>	-0.044071	8.88e-01 <td>-0.078473</td> <td>7.87e-01 <td>-0.022469</td> <td>8.77e-01 </td></td>	-0.078473	7.87e-01 <td>-0.022469</td> <td>8.77e-01 </td>	-0.022469	8.77e-01	
ENSG0000023971	13	14448748	14449684	AC09280.2	havana	unprocessed pseud	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	
ENSG0000023433	3	12104964</																			

Gene	Transcript	Chromosome	Start	End	Strand	Feature	Gene	Transcript	Chromosome	Start	End	Strand	Feature	Gene	Transcript	Chromosome	Start	End	Strand	Feature			
ENSG00000197371	16	29811382	29815892	+	PRRT2	ensembl	navana	protein_coding	-0.1389207	2.28e-01	-0.0286866	6.88e-01	-0.249128	2.20e-01	-0.0666468	6.32e-01	-0.187398	1.74e-01	-0.1305881	5.53e-01	-0.1958625	1.73e-01	
ENSG0000024627	6	15976258	15976232	-	SODC1-011	navana	mRNA	protein_coding	-0.128178	2.67e-01	-0.051793	9.79e-01	-0.213493	2.44e-01	-0.0666209	6.32e-01	-0.206242	1.84e-01	-0.0866448	6.94e-01	-0.175443	2.44e-01	
ENSG0000017361	1	4248464	5470049	+	ACTG1	ensembl	navana	protein_coding	-0.084964	4.46e-01	-0.0269761	5.13e-01	-0.0252024	4.08e-01	-0.0252024	4.08e-01	-0.0252024	4.08e-01	-0.0252024	4.08e-01	-0.0252024	4.08e-01	
ENSG0000014632	1	22943125	22943408	+	ACTA1	ensembl	navana	protein_coding	-0.0809085	4.62e-01	-0.0462397	7.49e-01	-0.1791284	3.71e-01	-0.0666669	6.11e-01	-0.1540267	2.66e-01	-0.0263449	8.11e-01	-0.0969883	4.91e-01	
ENSG0000027957	17	7562387	7578713	+	SNRPB-IT4	navana	protein_coding	YES	YES	-0.079823	6.16e-01	-0.0555136	7.51e-01	-0.4799530	3.33e-01	-0.0666112	6.31e-01	-0.1211994	3.83e-01	-0.1679382	4.48e-01	-0.2385029	5.33e-01
ENSG0000021485	6	1571713	1571713	-	SNRPB-IT3	navana	protein_coding	YES	YES	-0.079823	6.16e-01	-0.0555136	7.51e-01	-0.4799530	3.33e-01	-0.0666112	6.31e-01	-0.1211994	3.83e-01	-0.1679382	4.48e-01	-0.2385029	5.33e-01
ENSG00000197714	19	5728051	5729469	+	ZNF460	ensembl	navana	protein_coding	-0.0919013	8.26e-01	-0.0265920	6.30e-01	-0.0966216	6.11e-01	-0.0301381	6.31e-01	-0.0301381	6.31e-01	-0.0301381	6.31e-01	-0.0301381	6.31e-01	
ENSG00000149831	20	3637372	36399257	+	FRG18B	navana	unprocessed_pseudo	-0.0297883	7.97e-01	-0.0388127	5.17e-01	-0.2289744	2.62e-01	-0.0668844	6.31e-01	-0.266450	1.00e-01	-0.4088989	2.68e-01	-0.00212479	9.83e-01	-0.00212479	9.83e-01
ENSG00000066230	7	145651378	145651374	-	ACE2	ensembl	navana	protein_coding	-0.0452013	6.16e-01	-0.0269562	6.48e-01	-0.0269562	6.48e-01	-0.0269562	6.48e-01	-0.0269562	6.48e-01	-0.0269562	6.48e-01	-0.0269562	6.48e-01	
ENSG00000077817	18	57427133	57432112	+	ACE2-011	navana	mRNA	protein_coding	YES	YES	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	
ENSG00000212486	9	16578164	16576735	+	DEPCC12	navana	processed_pseudo	-0.0037425	9.78e-01	-0.0746999	6.60e-01	-0.2751143	1.65e-01	-0.0668937	6.31e-01	-0.0664466	7.98e-01	-0.0881813	6.88e-01	-0.0441661	7.61e-01		
ENSG00000148889	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000167154	1	15454577	15455028	+	UBE2D3	ensembl	navana	protein_coding	-0.0154229	8.94e-01	-0.0978208	4.99e-01	-0.0341756	8.64e-01	-0.0668937	6.31e-01	-0.0970745	5.70e-01	-0.0395415	4.40e-01	-0.037516	7.61e-01	
ENSG00000214048	8	58991720	58992938	+	AC01501.1	navana	mRNA	protein_coding	-0.0005574	2.93e-01	-0.0430381	6.10e-01	-0.0569883	6.30e-01	-0.0531165	6.70e-01	-0.0213344	3.15e-01	-0.1822617	3.61e-01			
ENSG00000218628	15	2027820	2027763	-	HMPN2P1	navana	unprocessed_pseudo	YES	YES	-0.141262	9.16e-01	-0.0021747	9.38e-01	-0.128813	5.18e-01	-0.0667973	6.30e-01	-0.2472609	7.08e-01	-0.152835	5.46e-01	-0.189191	3.98e-01
ENSG00000214889	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000147669	8	100156203	100154003	+	POU2K	ensembl	navana	protein_coding	-0.1823372	1.12e-01	-0.0125665	6.08e-01	-0.2840288	1.50e-01	-0.0667948	6.30e-01	-0.06709	6.86e-01	-0.0877028	7.90e-01	-0.1841805	5.01e-01	
ENSG0000014481	2	218643892	21867200	+	RNF25	ensembl	navana	protein_coding	-0.1032528	7.10e-01	-0.072363	5.94e-01	-0.1020021	6.11e-01	-0.0969853	6.30e-01	-0.1412137	3.07e-01	-0.0641523	7.63e-01	-0.0122095	8.24e-01	
ENSG0000021627	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000215004	4	17779638	17790796	+	LNCD1099	navana	mRNA	protein_coding	-0.1223024	2.89e-01	-0.0881427	6.43e-01	-0.0848931	6.74e-01	-0.0790041	6.30e-01	-0.249885	2.78e-01	-0.178444	4.71e-01	-0.125238	3.86e-01	
ENSG00000213669	8	102805317	10281039	+	GASL1	navana	mRNA	protein_coding	-0.1307912	2.57e-01	-0.0888339	9.51e-01	-0.0319669	8.74e-01	-0.0970208	6.30e-01	-0.2219681	1.04e-01	-0.188898	4.16e-01	-0.1066913	3.61e-01	
ENSG00000212484	13	2266156	2272181	+	USP2	ensembl	navana	protein_coding	-0.142242	2.15e-01	-0.0200750	7.80e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01			
ENSG00000218628	15	2027820	2027763	-	HMPN2P1	navana	unprocessed_pseudo	YES	YES	-0.141262	9.16e-01	-0.0021747	9.38e-01	-0.128813	5.18e-01	-0.0667973	6.30e-01	-0.2472609	7.08e-01	-0.152835	5.46e-01	-0.189191	3.98e-01
ENSG00000214889	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000147669	8	100156203	100154003	+	POU2K	ensembl	navana	protein_coding	-0.1823372	1.12e-01	-0.0125665	6.08e-01	-0.2840288	1.50e-01	-0.0667948	6.30e-01	-0.06709	6.86e-01	-0.0877028	7.90e-01	-0.1841805	5.01e-01	
ENSG0000014481	2	218643892	21867200	+	RNF25	ensembl	navana	protein_coding	-0.1032528	7.10e-01	-0.072363	5.94e-01	-0.1020021	6.11e-01	-0.0969853	6.30e-01	-0.1412137	3.07e-01	-0.0641523	7.63e-01	-0.0122095	8.24e-01	
ENSG0000021627	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000215004	4	17779638	17790796	+	LNCD1099	navana	mRNA	protein_coding	-0.1223024	2.89e-01	-0.0881427	6.43e-01	-0.0848931	6.74e-01	-0.0790041	6.30e-01	-0.249885	2.78e-01	-0.178444	4.71e-01	-0.125238	3.86e-01	
ENSG00000213669	8	102805317	10281039	+	GASL1	navana	mRNA	protein_coding	-0.1307912	2.57e-01	-0.0888339	9.51e-01	-0.0319669	8.74e-01	-0.0970208	6.30e-01	-0.2219681	1.04e-01	-0.188898	4.16e-01	-0.1066913	3.61e-01	
ENSG00000212484	13	2266156	2272181	+	USP2	ensembl	navana	protein_coding	-0.142242	2.15e-01	-0.0200750	7.80e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01			
ENSG00000218628	15	2027820	2027763	-	HMPN2P1	navana	unprocessed_pseudo	YES	YES	-0.141262	9.16e-01	-0.0021747	9.38e-01	-0.128813	5.18e-01	-0.0667973	6.30e-01	-0.2472609	7.08e-01	-0.152835	5.46e-01	-0.189191	3.98e-01
ENSG00000214889	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000147669	8	100156203	100154003	+	POU2K	ensembl	navana	protein_coding	-0.1823372	1.12e-01	-0.0125665	6.08e-01	-0.2840288	1.50e-01	-0.0667948	6.30e-01	-0.06709	6.86e-01	-0.0877028	7.90e-01	-0.1841805	5.01e-01	
ENSG0000014481	2	218643892	21867200	+	RNF25	ensembl	navana	protein_coding	-0.1032528	7.10e-01	-0.072363	5.94e-01	-0.1020021	6.11e-01	-0.0969853	6.30e-01	-0.1412137	3.07e-01	-0.0641523	7.63e-01	-0.0122095	8.24e-01	
ENSG0000021627	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000215004	4	17779638	17790796	+	LNCD1099	navana	mRNA	protein_coding	-0.1223024	2.89e-01	-0.0881427	6.43e-01	-0.0848931	6.74e-01	-0.0790041	6.30e-01	-0.249885	2.78e-01	-0.178444	4.71e-01	-0.125238	3.86e-01	
ENSG00000213669	8	102805317	10281039	+	GASL1	navana	mRNA	protein_coding	-0.1307912	2.57e-01	-0.0888339	9.51e-01	-0.0319669	8.74e-01	-0.0970208	6.30e-01	-0.2219681	1.04e-01	-0.188898	4.16e-01	-0.1066913	3.61e-01	
ENSG00000212484	13	2266156	2272181	+	USP2	ensembl	navana	protein_coding	-0.142242	2.15e-01	-0.0200750	7.80e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01	-0.0200750	4.89e-01			
ENSG00000218628	15	2027820	2027763	-	HMPN2P1	navana	unprocessed_pseudo	YES	YES	-0.141262	9.16e-01	-0.0021747	9.38e-01	-0.128813	5.18e-01	-0.0667973	6.30e-01	-0.2472609	7.08e-01	-0.152835	5.46e-01	-0.189191	3.98e-01
ENSG00000214889	7	15103720	15107636	+	ACE2	ensembl	navana	protein_coding	-0.0668937	7.00e-01	-0.0200750	4.89e-01	-0.1707123	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01	-0.0334817	3.95e-01			
ENSG00000147669	8	100156203	100154003	+	POU2K	ensembl	navana	protein_coding	-0.1823372	1.12e-01	-0.0125665	6.08e-01	-0.2840288	1.50e-01	-0.0667948	6.30e-01	-0.06709						

Table with columns: Gene ID, Chr, Start, End, RefSeq, Gene Name, Type, Species, and various numerical values. The table lists numerous genes and their associated data points across multiple columns.

Table with 15 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Transcript Type, Protein Coding, and various numerical values. The table lists numerous genes and transcripts, including those related to the RMD12 gene locus.

ENSG0000027073	9	113170190	113190019	AL162727.2	havana	lncRNA		-0.170188	1.99e-01	-0.134971	3.50e-01	-0.176511	8.81e-01	-0.112812	5.79e-01	-0.221203	1.08e-01	-0.087966	6.90e-01	-0.127795	3.76e-01
ENSG0000012256	2	17255317	17260869	PDK1	antisense_havana	protein_coding	YES	-0.271794	2.89e-02	-0.044177	2.53e-01	-0.274207	1.66e-01	-0.112874	5.79e-01	-0.119462	1.81e-01	-0.153911	4.89e-01	-0.126088	1.52e-01
ENSG0000018130	14	10539838	10540106	HEP2	antisense_havana	protein_coding	YES	-0.003479	1.90e-04	-0.003479	1.90e-04	-0.003479	1.90e-04	-0.003479	1.90e-04	-0.003479	1.90e-04	-0.003479	1.90e-04	-0.003479	1.90e-04
ENSG0000027899	3	17314047	17319671	AC05371.1	antisense_havana	lncRNA		-0.113623	3.25e-01	-0.018959	8.91e-01	-0.228454	2.53e-01	-0.112882	5.79e-01	-0.219394	1.22e-01	-0.044249	8.42e-01	-0.130272	3.57e-01
ENSG0000021127	15	10549963	10552476	PRES1	antisense_havana	protein_coding	YES	-0.012754	1.02e-02	-0.012754	1.02e-02	-0.012754	1.02e-02	-0.012754	1.02e-02	-0.012754	1.02e-02	-0.012754	1.02e-02	-0.012754	1.02e-02
ENSG0000040339	10	6872102	6879217	CCAR1	antisense_havana	protein_coding	YES	-0.052973	6.50e-01	-0.049393	5.14e-01	-0.118879	3.45e-01	-0.112877	5.79e-01	-0.219394	1.22e-01	-0.044249	8.42e-01	-0.084043	5.62e-01
ENSG0000010228	2	21445326	21445450	RAB36	antisense_havana	protein_coding	YES	-0.202862	7.25e-01	-0.151129	3.87e-01	-0.221356	2.67e-01	-0.112880	5.79e-01	-0.249810	6.85e-01	-0.059919	2.31e-01	-0.248184	8.27e-01
ENSG0000019826	2	8521300	8521300	LRX2-202L1	antisense_havana	lncRNA		-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01
ENSG0000013731	6	30743159	30745458	HER3	antisense_havana	protein_coding	YES	-0.194519	1.21e-01	-0.190451	4.76e-01	-0.211874	2.89e-01	-0.112877	5.79e-01	-0.219394	1.22e-01	-0.044249	8.42e-01	-0.130272	3.57e-01
ENSG0000024577	2	17649255	17681880	LINC01117	antisense_havana	lncRNA		-0.053259	6.44e-01	-0.042048	7.72e-01	-0.275248	1.65e-01	-0.112878	5.79e-01	-0.098550	4.77e-01	-0.115536	6.12e-01	-0.091823	5.96e-01
ENSG0000023970	13	40645482	40645482	AC02481.2	antisense_havana	lncRNA		-0.178937	2.16e-01	-0.172627	3.46e-01	-0.208919	1.66e-01	-0.112868	5.79e-01	-0.212468	1.85e-01	-0.074238	7.36e-01	-0.056436	5.56e-01
ENSG0000020185	6	4479635	4428081	RNAP52P	antisense_havana	RNA_pseudogene	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000026510	16	8546309	8548138	AC01869.8	antisense_havana	lncRNA		-0.121446	1.21e-01	-0.021235	8.94e-01	-0.196238	3.18e-01	-0.112878	5.79e-01	-0.212468	1.85e-01	-0.074238	7.36e-01	-0.148104	6.20e-01
ENSG0000021223	6	6688415	6688287	AC11099.1	antisense_havana	processed_pseudogene	YES	-0.157656	1.71e-01	-0.142020	3.24e-01	-0.180494	2.79e-01	-0.113009	5.79e-01	-0.251425	1.70e-01	-0.049419	8.21e-01	-0.131708	9.25e-01
ENSG0000016832	2	6216709	6216846	C1orf4	antisense_havana	protein_coding	YES	-0.141896	1.24e-01	-0.079561	6.81e-01	-0.125195	3.84e-01	-0.110224	5.79e-01	-0.186671	1.00e-01	-0.058279	9.29e-01	-0.100711	5.76e-01
ENSG0000017544	11	6745246	6746172	CABR4	antisense_havana	protein_coding	YES	-0.183016	1.11e-01	-0.191213	1.83e-01	-0.180641	1.67e-01	-0.113048	5.79e-01	-0.197877	1.51e-01	-0.143347	7.07e-01	-0.252333	8.71e-01
ENSG0000024874	15	9171842	9167098	LINC01579	antisense_havana	lncRNA	YES	-0.211422	2.93e-01	-0.184842	8.99e-01	-0.250585	8.01e-01	-0.113099	5.79e-01	-0.246152	2.24e-01	-0.049482	6.66e-01	-0.140153	7.82e-01
ENSG0000011577	6	14109614	14109813	LRX2-202L1	antisense_havana	lncRNA		-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01
ENSG0000004660	17	886015	884981	CANXK1	antisense_havana	protein_coding	YES	-0.268711	4.72e-01	-0.106594	4.60e-01	-0.255875	4.88e-01	-0.113182	5.74e-01	-0.210392	1.82e-01	-0.148439	8.64e-01	-0.183682	9.01e-01
ENSG0000021165	13	49210422	49212274	DGDFP1	antisense_havana	processed_pseudogene	YES	-0.048016	6.78e-01	-0.084158	5.61e-01	-0.204194	3.07e-01	-0.113129	5.74e-01	-0.136955	3.28e-01	-0.080924	1.74e-01	-0.121408	6.01e-01
ENSG0000027021	13	2172019	2188940	MIRP	antisense_havana	protein_coding	YES	-0.210148	6.66e-01	-0.166624	1.21e-01	-0.084220	6.21e-01	-0.113157	5.74e-01	-0.257263	1.00e-01	-0.104489	6.22e-01	-0.051332	5.56e-01
ENSG0000015486	2	8554720	8556147	GCCX	antisense_havana	protein_coding	YES	-0.005454	9.60e-01	-0.025776	8.22e-01	-0.064784	7.50e-01	-0.113107	5.74e-01	-0.017407	9.33e-01	-0.032473	8.83e-01	-0.050661	9.72e-01
ENSG0000023141	10	7295106	7295290	COMP17	antisense_havana	processed_pseudogene	YES	-0.034722	7.64e-01	-0.077083	6.23e-01	-0.147202	4.64e-01	-0.113139	5.74e-01	-0.013036	9.21e-01	-0.228481	2.90e-01	-0.102164	9.31e-01
ENSG0000004660	22	4553617	4574282	SEK1L	antisense_havana	protein_coding	YES	-0.022744	8.88e-01	-0.084888	5.61e-01	-0.442774	2.06e-01	-0.113024	5.74e-01	-0.090113	1.48e-01	-0.161407	7.83e-01	-0.188966	4.11e-01
ENSG0000023970	13	40645482	40645482	AC02481.2	antisense_havana	lncRNA	YES	-0.178937	2.16e-01	-0.172627	3.46e-01	-0.208919	1.66e-01	-0.112868	5.79e-01	-0.212468	1.85e-01	-0.074238	7.36e-01	-0.056436	5.56e-01
ENSG0000024874	22	19171230	19174272	AC00908.1	antisense_havana	protein_coding	YES	-0.020544	8.60e-01	-0.027193	8.49e-01	-0.112221	5.74e-01	-0.064775	9.48e-01	-0.121832	3.06e-01	-0.217758	9.64e-01	-0.073786	9.64e-01
ENSG0000018881	21	908861	912972	TEXT4F	antisense_havana	transcribed_unit	YES	-0.12251	2.88e-01	-0.094537	6.97e-01	-0.184738	3.62e-01	-0.113223	5.74e-01	-0.170986	2.17e-01	-0.040383	5.01e-01	-0.109975	2.88e-01
ENSG0000017570	11	4484947	4481063	ZNF812	antisense_havana	protein_coding	YES	-0.029428	9.21e-01	-0.029428	9.21e-01	-0.029428	9.21e-01	-0.029428	9.21e-01	-0.029428	9.21e-01	-0.029428	9.21e-01	-0.029428	9.21e-01
ENSG0000017817	3	4494847	4451063	ZNF812	antisense_havana	protein_coding	YES	-0.064003	5.80e-01	-0.136768	3.81e-01	-0.104728	8.14e-01	-0.113201	5.74e-01	-0.031449	8.21e-01	-0.020375	9.27e-01	-0.020375	9.27e-01
ENSG0000023076	20	4192931	4195953	LINC01433	antisense_havana	lncRNA	YES	-0.089466	4.99e-01	-0.044836	7.60e-01	-0.118780	5.51e-01	-0.112975	5.74e-01	-0.191397	1.62e-01	-0.010742	8.01e-01	-0.079161	5.85e-01
ENSG0000021241	2	8161738	8160788	LRX2-202L1	antisense_havana	lncRNA		-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01	-0.182732	1.36e-01
ENSG0000027017	4	5839612	5839661	AC00862.0	antisense_havana	lncRNA		-0.118251	3.06e-01	-0.080155	7.38e-01	-0.154378	3.11e-01	-0.113446	5.73e-01	-0.182732	1.36e-01	-0.061348	9.61e-01	-0.102164	9.31e-01
ENSG0000027973	22	11066418	11068174	C11orf741.1	antisense_havana	lncRNA		-0.078315	7.44e-01	-0.038820	9.47e-01	-0.198158	3.21e-01	-0.113166	5.73e-01	-0.020240	7.99e-01	-0.08142	7.12e-01	-0.022709	8.78e-01
ENSG0000027180	12	10000007	10000007	AC007650.1	antisense_havana	lncRNA		-0.080428	6.66e-01	-0.080428	6.66e-01	-0.080428	6.66e-01	-0.080428	6.66e-01	-0.080428	6.66e-01	-0.080428	6.66e-01	-0.080428	6.66e-01
ENSG0000021352	6	14682439	14720514	STAMP3-AS1	antisense_havana	lncRNA		-0.209582	6.82e-01	-0.143848	3.19e-01	-0.193018	3.38e-01	-0.113189	5.73e-01	-0.254407	1.60e-01	-0.198866	3.60e-01	-0.202458	1.90e-01
ENSG0000028732	8	9103917	9104209	AC008180.2	antisense_havana	lncRNA		-0.113718	9.06e-01	-0.081238	5.74e-01	-0.081238	5.74e-01	-0.113161	5.73e-01	-0.090187	1.31e-01	-0.167008	4.22e-01	-0.103101	8.78e-01
ENSG0000016843	9	13169307	13170498	SOX41	antisense_havana	protein_coding	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ENSG0000028997	2	6018107	6021402	LINC01812.2	antisense_havana	lncRNA		-0.156124	1.75e-01	-0.098941	6.32e-01	-0.188967	3.45e-01	-0.113469	5.73e-01	-0.252971	6.54e-01	-0.147839	5.01e-01	-0.021003	9.34e-01
ENSG0000027564	19	7260338	7260460	AC00908.1	antisense_havana	protein_coding	YES	-0.029508	9.87e-01	-0.076511	6.82e-01	-0.080174	6.04e-01	-0.113469	5.73e-01	-0.076511	6.82e-01	-0.172808	4.50e-01	-0.044738	8.12e-01
ENSG0000027417	19	1010221	1010907	AC00908.1	antisense_havana	protein_coding	YES	-0.144008	9.01e-01	-0.047081	7.72e-01	-0.167025	4.04e-01	-0.113487	5.73e-01	-0.081517	5.86e-01	-0.028480	3.50e-01	-0.168888	9.10e-01
ENSG0000019515	2	2119771	2119771	AC00908.1	antisense_havana	lncRNA		-0.075522	8.00e-01	-0.075522	8.00e-01	-0.075522	8.00e-01	-0.075522	8.00e-01	-0.075522	8.00e-01	-0.075522	8.00e-01	-0.075522	8.00e-01
ENSG0000023557	3	5373852	5374882	PPP2R5C	antisense_havana	protein_coding	YES	-0.019503	8.66e-01	-0.019503	8.66e-01	-0.154534	3.41e-01	-0.113528	5.73e-01	-0.058005	6.74e-01	-0.052420	6.90e-01	-0.103024	9.16e-01
ENSG0000012873	4	718174	718489	PRK2-AS1	antisense_havana	lncRNA		-0.001809	9.88e-01	-0.0											

ENSG0000023101	78823281	78826006	RPS197	transcript	transcribed unprocessed	-0.046456	6.88E-01	0.0083743	5.56E-01	0.2708817	1.72E-01	-0.115193	5.67E-01	0.137374	2.09E-01	0.3749788	7.66E-01	-0.038665	7.90E-01
ENSG000001794	78952129	79214095	SCAMP5	transcript	transcribed unprocessed <td>-0.120203</td> <td>2.88E-01</td> <td>0.0158026</td> <td>7.74E-01</td> <td>0.118529</td> <td>5.51E-01</td> <td>-0.115208</td> <td>5.67E-01</td> <td>0.179446</td> <td>4.83E-01</td> <td>0.1190921</td> <td>5.27E-01</td> <td>-0.072131</td> <td>8.52E-01</td>	-0.120203	2.88E-01	0.0158026	7.74E-01	0.118529	5.51E-01	-0.115208	5.67E-01	0.179446	4.83E-01	0.1190921	5.27E-01	-0.072131	8.52E-01
ENSG0000019831	1540434	1540434	MAP4	transcript	transcribed unprocessed <td>-0.0470041</td> <td>8.41E-01</td> <td>0.0149794</td> <td>8.41E-01</td> <td>0.114991</td> <td>8.41E-01</td> <td>-0.114991</td> <td>5.67E-01</td> <td>0.179446</td> <td>4.83E-01</td> <td>0.1190921</td> <td>5.27E-01</td> <td>-0.072131</td> <td>8.52E-01</td>	-0.0470041	8.41E-01	0.0149794	8.41E-01	0.114991	8.41E-01	-0.114991	5.67E-01	0.179446	4.83E-01	0.1190921	5.27E-01	-0.072131	8.52E-01
ENSG0000014273	1590414	1590414	AGGIP1	transcript	transcribed unprocessed <td>-0.1576727</td> <td>1.71E-01</td> <td>0.1998888</td> <td>1.68E-01</td> <td>0.2894448</td> <td>1.50E-01</td> <td>-0.1152227</td> <td>5.67E-01</td> <td>0.1727217</td> <td>2.00E-01</td> <td>0.1190921</td> <td>5.27E-01</td> <td>-0.072131</td> <td>8.52E-01</td>	-0.1576727	1.71E-01	0.1998888	1.68E-01	0.2894448	1.50E-01	-0.1152227	5.67E-01	0.1727217	2.00E-01	0.1190921	5.27E-01	-0.072131	8.52E-01
ENSG000001716	17911083	17945461	ADAMTSL2	transcript	transcribed unprocessed <td>-0.0223658</td> <td>8.47E-01</td> <td>0.0317177</td> <td>8.27E-01</td> <td>0.2049671</td> <td>6.88E-01</td> <td>-0.1152668</td> <td>5.67E-01</td> <td>0.2099133</td> <td>5.13E-01</td> <td>0.181132</td> <td>4.63E-01</td> <td>-0.141494</td> <td>3.28E-01</td>	-0.0223658	8.47E-01	0.0317177	8.27E-01	0.2049671	6.88E-01	-0.1152668	5.67E-01	0.2099133	5.13E-01	0.181132	4.63E-01	-0.141494	3.28E-01
ENSG000002218	19115003	19100218	SLC12A2	transcript	transcribed unprocessed <td>-0.0453133</td> <td>7.66E-01</td> <td>0.0104715</td> <td>8.07E-01</td> <td>0.1748731</td> <td>3.88E-01</td> <td>-0.1152785</td> <td>5.67E-01</td> <td>0.1450994</td> <td>5.26E-01</td> <td>0.1498992</td> <td>5.26E-01</td> <td>-0.072131</td> <td>8.52E-01</td>	-0.0453133	7.66E-01	0.0104715	8.07E-01	0.1748731	3.88E-01	-0.1152785	5.67E-01	0.1450994	5.26E-01	0.1498992	5.26E-01	-0.072131	8.52E-01
ENSG0000017843	6400808	6400862	AC012551.1	transcript	transcribed unprocessed <td>-0.0253313</td> <td>7.66E-01</td> <td>0.0104715</td> <td>8.07E-01</td> <td>0.1748731</td> <td>3.88E-01</td> <td>-0.1152785</td> <td>5.67E-01</td> <td>0.1450994</td> <td>5.26E-01</td> <td>0.1498992</td> <td>5.26E-01</td> <td>-0.072131</td> <td>8.52E-01</td>	-0.0253313	7.66E-01	0.0104715	8.07E-01	0.1748731	3.88E-01	-0.1152785	5.67E-01	0.1450994	5.26E-01	0.1498992	5.26E-01	-0.072131	8.52E-01
ENSG0000013480	2148828	21488410	HSPD1P1	transcript	transcribed unprocessed <td>-0.0892173</td> <td>3.95E-01</td> <td>0.0612355</td> <td>5.75E-01</td> <td>0.2825086</td> <td>1.54E-01</td> <td>-0.1152896</td> <td>5.67E-01</td> <td>0.1479734</td> <td>2.86E-01</td> <td>0.1532644</td> <td>4.85E-01</td> <td>-0.0646501</td> <td>6.56E-01</td>	-0.0892173	3.95E-01	0.0612355	5.75E-01	0.2825086	1.54E-01	-0.1152896	5.67E-01	0.1479734	2.86E-01	0.1532644	4.85E-01	-0.0646501	6.56E-01
ENSG0000013893	1319560	13265184	AC012551.1	transcript	transcribed unprocessed <td>-0.1662718</td> <td>1.47E-01</td> <td>0.0270988</td> <td>8.16E-01</td> <td>0.1386763</td> <td>5.61E-01</td> <td>-0.1152923</td> <td>5.67E-01</td> <td>0.1386763</td> <td>5.61E-01</td> <td>0.1386763</td> <td>5.61E-01</td> <td>-0.072131</td> <td>8.52E-01</td>	-0.1662718	1.47E-01	0.0270988	8.16E-01	0.1386763	5.61E-01	-0.1152923	5.67E-01	0.1386763	5.61E-01	0.1386763	5.61E-01	-0.072131	8.52E-01
ENSG0000001495	1380890	13809265	WNT8A	transcript	transcribed unprocessed <td>-0.0839574</td> <td>4.97E-01</td> <td>0.0653865</td> <td>6.77E-01</td> <td>0.206455</td> <td>1.45E-01</td> <td>-0.1153121</td> <td>5.67E-01</td> <td>0.192654</td> <td>1.56E-01</td> <td>0.154357</td> <td>4.85E-01</td> <td>-0.102072</td> <td>9.64E-01</td>	-0.0839574	4.97E-01	0.0653865	6.77E-01	0.206455	1.45E-01	-0.1153121	5.67E-01	0.192654	1.56E-01	0.154357	4.85E-01	-0.102072	9.64E-01
ENSG0000023682	10171773	10170952	AC082687.2	transcript	transcribed unprocessed <td>-0.046288</td> <td>6.90E-01</td> <td>0.0647801</td> <td>6.55E-01</td> <td>0.2504242</td> <td>1.88E-01</td> <td>-0.1153324</td> <td>5.67E-01</td> <td>0.0309808</td> <td>8.28E-01</td> <td>0.0663136</td> <td>6.97E-01</td> <td>0.2941534</td> <td>3.81E-01</td>	-0.046288	6.90E-01	0.0647801	6.55E-01	0.2504242	1.88E-01	-0.1153324	5.67E-01	0.0309808	8.28E-01	0.0663136	6.97E-01	0.2941534	3.81E-01
ENSG0000010497	4102138	4207933	ADOL3	transcript	transcribed unprocessed <td>-0.138121</td> <td>8.40E-01</td> <td>0.0121005</td> <td>3.94E-01</td> <td>0.208917</td> <td>2.72E-01</td> <td>-0.1154439</td> <td>5.66E-01</td> <td>0.2597207</td> <td>1.80E-01</td> <td>0.0720941</td> <td>7.47E-01</td> <td>-0.132311</td> <td>2.76E-01</td>	-0.138121	8.40E-01	0.0121005	3.94E-01	0.208917	2.72E-01	-0.1154439	5.66E-01	0.2597207	1.80E-01	0.0720941	7.47E-01	-0.132311	2.76E-01
ENSG0000024516	21377935	21381674	AC0831.1	transcript	transcribed unprocessed <td>0.0189296</td> <td>8.64E-01</td> <td>0.49447223</td> <td>8.62E-01</td> <td>0.1515379</td> <td>8.75E-01</td> <td>-0.1155139</td> <td>5.67E-01</td> <td>0.0408455</td> <td>4.98E-01</td> <td>0.0967013</td> <td>6.91E-01</td> <td>0.2298412</td> <td>1.08E-01</td>	0.0189296	8.64E-01	0.49447223	8.62E-01	0.1515379	8.75E-01	-0.1155139	5.67E-01	0.0408455	4.98E-01	0.0967013	6.91E-01	0.2298412	1.08E-01
ENSG0000019180	3801650	3805088	ZNF31A	transcript	transcribed unprocessed <td>-0.0692238</td> <td>5.50E-01</td> <td>0.1138283</td> <td>3.54E-01</td> <td>0.0411307</td> <td>8.38E-01</td> <td>-0.1155534</td> <td>5.67E-01</td> <td>0.0237875</td> <td>8.47E-01</td> <td>0.188952</td> <td>3.88E-01</td> <td>-0.1063078</td> <td>6.21E-01</td>	-0.0692238	5.50E-01	0.1138283	3.54E-01	0.0411307	8.38E-01	-0.1155534	5.67E-01	0.0237875	8.47E-01	0.188952	3.88E-01	-0.1063078	6.21E-01
ENSG0000027881	11564895	11564613	ASSY5	transcript	transcribed unprocessed <td>-0.106238</td> <td>3.58E-01</td> <td>-0.0552420</td> <td>7.01E-01</td> <td>0.0750395</td> <td>7.05E-01</td> <td>-0.1155726</td> <td>5.67E-01</td> <td>0.182494</td> <td>1.87E-01</td> <td>0.1026275</td> <td>3.53E-01</td> <td>0.0497680</td> <td>7.31E-01</td>	-0.106238	3.58E-01	-0.0552420	7.01E-01	0.0750395	7.05E-01	-0.1155726	5.67E-01	0.182494	1.87E-01	0.1026275	3.53E-01	0.0497680	7.31E-01
ENSG0000012199	12979173	12949935	SMRT1	transcript	transcribed unprocessed <td>-0.106238</td> <td>3.58E-01</td> <td>-0.0552420</td> <td>7.01E-01</td> <td>0.0750395</td> <td>7.05E-01</td> <td>-0.1155726</td> <td>5.67E-01</td> <td>0.182494</td> <td>1.87E-01</td> <td>0.1026275</td> <td>3.53E-01</td> <td>0.0497680</td> <td>7.31E-01</td>	-0.106238	3.58E-01	-0.0552420	7.01E-01	0.0750395	7.05E-01	-0.1155726	5.67E-01	0.182494	1.87E-01	0.1026275	3.53E-01	0.0497680	7.31E-01
ENSG0000024892	2064552	2060570	AC086547.3	transcript	transcribed unprocessed <td>0.0021605</td> <td>9.85E-01</td> <td>-0.0477544</td> <td>7.61E-01</td> <td>0.1400733</td> <td>4.88E-01</td> <td>-0.1157663</td> <td>5.67E-01</td> <td>0.1041048</td> <td>7.68E-01</td> <td>0.0552488</td> <td>8.01E-01</td> <td>-0.0769746</td> <td>5.97E-01</td>	0.0021605	9.85E-01	-0.0477544	7.61E-01	0.1400733	4.88E-01	-0.1157663	5.67E-01	0.1041048	7.68E-01	0.0552488	8.01E-01	-0.0769746	5.97E-01
ENSG00000244720	30168122	30169725	AC117949.2	transcript	transcribed unprocessed <td>-0.1115448</td> <td>3.44E-01</td> <td>-0.0114024</td> <td>2.60E-01</td> <td>0.0461742</td> <td>1.17E-01</td> <td>-0.1158389</td> <td>5.67E-01</td> <td>0.1977657</td> <td>3.53E-01</td> <td>0.1233237</td> <td>5.75E-01</td> <td>-0.0317499</td> <td>8.26E-01</td>	-0.1115448	3.44E-01	-0.0114024	2.60E-01	0.0461742	1.17E-01	-0.1158389	5.67E-01	0.1977657	3.53E-01	0.1233237	5.75E-01	-0.0317499	8.26E-01
ENSG0000013150	5013111	5013810	AC081051.1	transcript	transcribed unprocessed <td>-0.0080801</td> <td>4.36E-01</td> <td>0.0007102</td> <td>8.09E-01</td> <td>0.0009169</td> <td>7.81E-01</td> <td>-0.1158411</td> <td>5.66E-01</td> <td>0.1595664</td> <td>4.49E-01</td> <td>0.0860379</td> <td>9.78E-01</td> <td>0.011717</td> <td>8.97E-01</td>	-0.0080801	4.36E-01	0.0007102	8.09E-01	0.0009169	7.81E-01	-0.1158411	5.66E-01	0.1595664	4.49E-01	0.0860379	9.78E-01	0.011717	8.97E-01
ENSG0000008671	18679509	1882791	PEPF1	transcript	transcribed unprocessed <td>YES <td>YES <td>YES <td>YES <td>-0.1678936</td> <td>1.44E-01</td> <td>-0.076848</td> <td>9.57E-01</td> <td>-0.1154181</td> <td>5.66E-01</td> <td>0.281476</td> <td>2.88E-01</td> <td>-0.0885659</td> <td>5.62E-01</td> </td></td></td></td>	YES <td>YES <td>YES <td>YES <td>-0.1678936</td> <td>1.44E-01</td> <td>-0.076848</td> <td>9.57E-01</td> <td>-0.1154181</td> <td>5.66E-01</td> <td>0.281476</td> <td>2.88E-01</td> <td>-0.0885659</td> <td>5.62E-01</td> </td></td></td>	YES <td>YES <td>YES <td>-0.1678936</td> <td>1.44E-01</td> <td>-0.076848</td> <td>9.57E-01</td> <td>-0.1154181</td> <td>5.66E-01</td> <td>0.281476</td> <td>2.88E-01</td> <td>-0.0885659</td> <td>5.62E-01</td> </td></td>	YES <td>YES <td>-0.1678936</td> <td>1.44E-01</td> <td>-0.076848</td> <td>9.57E-01</td> <td>-0.1154181</td> <td>5.66E-01</td> <td>0.281476</td> <td>2.88E-01</td> <td>-0.0885659</td> <td>5.62E-01</td> </td>	YES <td>-0.1678936</td> <td>1.44E-01</td> <td>-0.076848</td> <td>9.57E-01</td> <td>-0.1154181</td> <td>5.66E-01</td> <td>0.281476</td> <td>2.88E-01</td> <td>-0.0885659</td> <td>5.62E-01</td>	-0.1678936	1.44E-01	-0.076848	9.57E-01	-0.1154181	5.66E-01	0.281476	2.88E-01	-0.0885659	5.62E-01
ENSG00000279512	13111700	13111952	AC013755.1	transcript	transcribed unprocessed <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0.1221033</td> <td>1.44E-01</td> <td>-0.114205</td> <td>5.67E-01</td> <td>0.1221033</td> <td>1.44E-01</td> <td>0.0940772</td> <td>6.98E-01</td> <td>0.0904519</td> <td>5.31E-01</td>	0	0	0	0	0.1221033	1.44E-01	-0.114205	5.67E-01	0.1221033	1.44E-01	0.0940772	6.98E-01	0.0904519	5.31E-01
ENSG0000023654	9727675	9727675	AC081051.1	transcript	transcribed unprocessed <td>-0.138121</td> <td>8.40E-01</td> <td>0.0121005</td> <td>3.94E-01</td> <td>0.208917</td> <td>2.72E-01</td> <td>-0.1154439</td> <td>5.66E-01</td> <td>0.2597207</td> <td>1.80E-01</td> <td>0.0720941</td> <td>7.47E-01</td> <td>-0.132311</td> <td>2.76E-01</td>	-0.138121	8.40E-01	0.0121005	3.94E-01	0.208917	2.72E-01	-0.1154439	5.66E-01	0.2597207	1.80E-01	0.0720941	7.47E-01	-0.132311	2.76E-01
ENSG00000279232	9879261	9879576	AC089252.1	transcript	transcribed unprocessed <td>-0.1436631</td> <td>2.13E-01</td> <td>-0.287774</td> <td>2.42E-01</td> <td>0.13581326</td> <td>4.99E-01</td> <td>-0.1154893</td> <td>5.66E-01</td> <td>0.0120929</td> <td>9.31E-01</td> <td>0.0309488</td> <td>1.61E-01</td> <td>-0.096315</td> <td>5.06E-01</td>	-0.1436631	2.13E-01	-0.287774	2.42E-01	0.13581326	4.99E-01	-0.1154893	5.66E-01	0.0120929	9.31E-01	0.0309488	1.61E-01	-0.096315	5.06E-01
ENSG0000021558	34146498	34244796	AC118409.2	transcript	transcribed unprocessed <td>-0.1071073</td> <td>6.58E-01</td> <td>0.1120028</td> <td>2.92E-01</td> <td>0.1738494</td> <td>3.87E-01</td> <td>-0.1155147</td> <td>5.66E-01</td> <td>0.2410023</td> <td>7.92E-01</td> <td>0.2290688</td> <td>1.66E-01</td> <td>-0.2449475</td> <td>8.64E-01</td>	-0.1071073	6.58E-01	0.1120028	2.92E-01	0.1738494	3.87E-01	-0.1155147	5.66E-01	0.2410023	7.92E-01	0.2290688	1.66E-01	-0.2449475	8.64E-01
ENSG0000014836	7234742	7259496	PLA2G1A2	transcript	transcribed unprocessed <td>-0.134611</td> <td>2.44E-01</td> <td>0.0038305</td> <td>9.80E-01</td> <td>0.1699289</td> <td>3.98E-01</td> <td>-0.1155521</td> <td>5.66E-01</td> <td>0.2217136</td> <td>1.07E-01</td> <td>0.0954457</td> <td>6.65E-01</td> <td>-0.0428747</td> <td>3.24E-01</td>	-0.134611	2.44E-01	0.0038305	9.80E-01	0.1699289	3.98E-01	-0.1155521	5.66E-01	0.2217136	1.07E-01	0.0954457	6.65E-01	-0.0428747	3.24E-01
ENSG00000148973	4266500	4248688	SERPIN5	transcript	transcribed unprocessed <td>-0.0949803</td> <td>4.19E-01</td> <td>0.0485251</td> <td>7.54E-01</td> <td>0.230444</td> <td>2.68E-01</td> <td>-0.1155798</td> <td>5.66E-01</td> <td>0.1332182</td> <td>2.78E-01</td> <td>0.1012298</td> <td>8.43E-01</td> <td>-0.048344</td> <td>2.88E-01</td>	-0.0949803	4.19E-01	0.0485251	7.54E-01	0.230444	2.68E-01	-0.1155798	5.66E-01	0.1332182	2.78E-01	0.1012298	8.43E-01	-0.048344	2.88E-01
ENSG00000143505	110687470	110688979	MAP5	transcript	transcribed unprocessed <td>-0.0666298</td> <td>2.61E-01</td> <td>0.0794849</td> <td>7.61E-01</td> <td>0.1155798</td> <td>2.81E-01</td> <td>-0.1155798</td> <td>5.66E-01</td> <td>0.1219685</td> <td>1.81E-01</td> <td>0.1012298</td> <td>8.43E-01</td> <td>-0.048344</td> <td>2.88E-01</td>	-0.0666298	2.61E-01	0.0794849	7.61E-01	0.1155798	2.81E-01	-0.1155798	5.66E-01	0.1219685	1.81E-01	0.1012298	8.43E-01	-0.048344	2.88E-01
ENSG0000012463	10322727	10317853	DLX4	transcript	transcribed unprocessed <td>-0.0400129</td> <td>5.80E-01</td> <td>0.0185447</td> <td>7.73E-01</td> <td>0.213244</td> <td>2.45E-01</td> <td>-0.115584</td> <td>5.66E-01</td> <td>0.0957297</td> <td>4.91E-01</td> <td>0.0617349</td> <td>7.08E-01</td> <td>-0.1468931</td> <td>3.11E-01</td>	-0.0400129	5.80E-01	0.0185447	7.73E-01	0.213244	2.45E-01	-0.115584	5.66E-01	0.0957297	4.91E-01	0.0617349	7.08E-01	-0.1468931	3.11E-01
ENSG0000017860	13434799	13434799	AC012792.1	transcript	transcribed unprocessed <td>-0.138121</td> <td>8.40E-01</td> <td>0.0121005</td> <td>3.94E-01</td> <td>0.208917</td> <td>2.72E-01</td> <td>-0.1154439</td> <td>5.66E-01</td> <td>0.2597207</td> <td>1.80E-01</td> <td>0.0720941</td> <td>7.47E-01</td> <td>-0.132311</td> <td>2.76E-01</td>	-0.138121	8.40E-01	0.0121005	3.94E-01	0.208917	2.72E-01	-0.1154439	5.66E-01	0.2597207	1.80E-01	0.0720941	7.47E-01	-0.132311	2.76E-01
ENSG0000011919	9193284	9193624	NXN3	transcript	transcribed unprocessed <td>-0.0001924</td> <td>9.85E-01</td> <td>0.0650554</td> <td>6.36E-01</td> <td>0.1340661</td> <td>1.20E-01</td> <td>-0.1156051</td> <td>5.67E-01</td> <td>0.0864000</td> <td>4.94E-01</td> <td>0.0317389</td> <td>5.90E-01</td> <td>0.0986601</td> <td>4.16E-01</td>	-0.0001924	9.85E-01	0.0650554	6.36E-01	0.1340661	1.20E-01	-0.1156051	5.67E-01	0.0864000	4.94E-01	0.0317389	5.90E-01	0.0986601	4.16E-01
ENSG0000017873	2155639	2156382	TNFRSF14	transcript	transcribed unprocessed <td>-0.1184425</td> <td>3.05E-01</td> <td>-0.0599959</td> <td>8.04E-01</td> <td>0.1182339</td> <td>5.57E-01</td> <td>-0.1156131</td> <td>5.66E-01</td> <td>0.208136</td> <td>1.31E-01</td> <td>0.1019474</td> <td>5.95E-01</td> <td>-0.0726562</td> <td>8.79E-01</td>	-0.1184425	3.05E-01	-0.0599959	8.04E-01	0.1182339	5.57E-01	-0.1156131	5.66E-01	0.208136	1.31E-01	0.1019474	5.95E-01	-0.0726562	8.79E-01
ENSG0000012449	18171325	18174146	AC081051.1	transcript	transcribed unprocessed <td>-0.138121</td> <td>8.40E-01</td> <td>0.0121005</td> <td>3.94E-01</td> <td>0.208917</td> <td>2.72E-01</td> <td>-0.1154439</td> <td>5.66E-01</td> <td>0.2597207</td> <td>1.80E-01</td> <td>0.0720941</td> <td>7.47E-01</td> <td>-0.132311</td> <td>2.76E-01</td>	-0.138121	8.40E-01	0.0121005	3.94E-01	0.208917	2.72E-01	-0.1154439	5.66E-01	0.2597207	1.80E-01	0.0720941	7.47E-01	-0.132311	2.76E-01
ENSG00000279726	8418052	8417184	PCP4L1	transcript	transcribed unprocessed <td>-0.0616793</td> <td>8.86E-01</td> <td>0.0065006</td> <td>9.64E-01</td> <td>0.1737425</td> <td>7.16E-01</td> <td>-0.1156376</td> <td>5.66E-01</td> <td>0.0764169</td> <td>3.63E-01</td> <td>0.0939383</td> <td>1.01E-01</td> <td>0.0600975</td> <td>6.97E-01</td>	-0.0616793	8.86E-01	0.0065006	9.64E-01	0.1737425	7.16E-01	-0.1156376	5.66E-01	0.0764169	3.63E-01	0.0939383	1.01E-01	0.0600975	6.97E-01
ENSG0000022078	9002122	9002106	RNXP10	transcript	transcribed unprocessed <td>-0.0278878</td> <td>5.55E-01</td> <td>-0.0130817</td> <td>7.14E-01</td> <td>0.0770749</td> <td>7.02E-01</td> <td>-0.1156641</td> <td>5.66E-01</td> <td>0.111995</td> <td>4.00E-01</td> <td>0.1121814</td> <td>6.10E-01</td> <td>0.0249249</td> <td>8.64E-01</td>	-0.0278878	5.55E-01	-0.0130817	7.14E-01	0.0770749	7.02E-01	-0.1156641	5.66E-01	0.111995	4.00E-01	0.1121814	6.10E-01	0.0249249	8.64E-01
ENSG0000023654	9727675	9727675	AC081051.1	transcript	transcribed unprocessed <td>-0.138121</td> <td>8.40E-01</td> <td>0.0121005</td> <td>3.94E-01</td> <td>0.208917</td> <td>2.72E-01</td> <td>-0.1154439</td> <td>5.66E-01</td> <td>0.2597207</td> <td>1.80E-01</td> <td>0.0720941</td> <td>7.47E-01</td> <td>-0.132311</td> <td>2.76E-01</td>	-0.138121	8.40E-01	0.0121005	3.94E-01	0.208917	2.72E-01	-0.1154439	5.66E-01	0.2597207	1.80E-01	0.0720941	7.47E-01	-0.132311	2.76E-01
ENSG00000219524	7998139	7998212	ZNF273	transcript	transcribed unprocessed <td>-0.0226802</td> <td>8.84E-01</td> <td>0.0642671</td> <td>9.18E-01</td> <td>0.1680195</td> <td>4.02E-01</td> <td>-0.1156806</td> <td>5.66E-01</td> <td>0.0154888</td> <td>9.12E-01</td> <td>0.0317062</td> <td>5.00E-01</td> <td>0.0291752</td> <td>8.41E-01</td>	-0.0226802	8.84E-01	0.0642671	9.18E-01	0.1680195	4.02E-01	-0.1156806	5.66E-01	0.0154888	9.12E-01	0.0317062	5.00E-01	0.0291752	8.41E-01
ENSG00000230438	71800074	71802013	AL118711.1	transcript	transcribed unprocessed <td>-0.1261031</td> <td>2.74E-01</td> <td>-0.0976260</td> <td>5.08E-01</td> <td>0.0687988</td> <td>2.71E-01</td> <td>-0.1157020</td> <td>5.65E-01</td> <td>0.1739304</td> <td>2.09E-01</td> <td>0.1137845</td> <td>6.11E-01</td> <td>-0.1138889</td> <td>9.73E-01</td>	-0.1261031	2.74E-01	-0.0976260	5.08E-01	0.0687988	2.71E-01	-0.1157020	5.65E-01	0.1739304	2.09E-01	0.1137845	6.11E-01	-0.1138889	9.73E-01
ENSG00000279465	96105741	96104111	AL149409.2	transcript	transcribed unprocessed <td>-0.1261031</td> <td>2.74E-01</td> <td>-0.0976260</td> <td>5.08E-01</td> <td>0.0687988</td> <td>2.71E-01</td> <td>-0.1157020</td> <td>5.65E-01</td> <td>0.1739304</td> <td>2.09E-01</td> <td>0.1137845</td> <td>6.11E-01</td> <td>-0.1138889</td> <td>9.73E-01</td>	-0.1261031	2.74E-01	-0.0976260	5.08E-01	0.0687988	2.71E-01	-0.1157020	5.65E-01	0.1739304	2.09E-01	0.1137845	6.11E-01	-0.1138889	9.73E-01
ENSG00000102929	1395331	13954097	AC081051.1	transcript	transcribed unprocessed <td>-0.138121</td> <td>8.40E-01</td> <td>0.0121005</td> <td>3.94E-01</td> <td>0.208917</td> <td>2.72E-01</td> <td>-0.1154439</td> <td>5.66E-01</td> <td>0.2597207</td> <td>1.80E-01</td> <td>0.0720941</td> <td>7.47E-01</td> <td>-0.132311</td> <td>2.76E-01</td>	-0.138121	8.40E-01	0.0121005	3.94E-01	0.208917	2.72E-01	-0.1154439	5.66E-01	0.2597207	1.80E-01	0.0720941	7.47E-01	-0.132311	2.76E-01
ENSG0000026409	112370304	112454193	AL104352.1	transcript	transcribed unprocessed <td>-0.1401843</td> <td>3.47E-01</td> <td>-0.1912919</td> <td>2.73E-01</td> <td>0.0477682</td> <td>8.31E-01</td> <td>-0.1157139</td> <td>5.65E-01</td> <td>0.23845</td> <td>1.60E-01</td> <td>0.181312</td> <td>4.05E-01</td> <td>-0.1258881</td> <td>8.61E-01</td>	-0.1401843	3.47E-01	-0.1912919	2.73E-01	0.0477682	8.31E-01	-0.1157139	5.65E-01	0.23845	1.60E-01	0.181312	4.05E-01	-0.1258881	8.61E-01
ENSG00000279331	6767508	6767660	AC100454.1	transcript	transcribed unprocessed <td>-0.1027028</td> <td>1.03E-01</td> <td>-0.1167955</td> <td>2.44E-01</td> <td>0.0226133</td> <td>8.97E-01</td> <td>-0.1157285</td> <td>5.65E-01</td> <td>0.23845</td> <td>1.60E-01</td> <td>0.181312</td> <td>4.05E-01</td> <td>-0.1258881</td> <td>8.61E-01</td>	-0.1027028	1.03E-01	-0.1167955	2.44E-01	0.0226133	8.97E-01	-0.1157285	5.65E-01	0.23845	1.60E-01	0.181312	4.05E-01	-0.1258881	8.61E-01
ENSG0000010481	4560113	4560113	AC081051.1	transcript	transcribed unprocessed <td>-0.138121</td> <td>8.40E-01</td> <td>0.0121005</td> <td>3.94E-01</td> <td>0.208917</td> <td>2.72E-01</td> <td>-0.1154439</td> <td>5.66E-01</td> <td>0.2597207</td> <td>1.80E-01</td> <td>0.0720941</td> <td>7.47E-01</td> <td>-0.132311</td> <td>2.76E-01</td>	-0.138121	8.40E-01	0.0121005	3.94E-01	0.208917	2.72E-01	-0.1154439	5.66E-01	0.2597207	1.80E-01	0.0720941	7.47E-01	-0.132311	2.76E-01
ENSG0000023684	3392705	3394549	AC100454.1	transcript	transcribed unprocessed <td>-0.0930310</td> <td>4.20E-01</td> <td>0.0519039</td> <td>7.44E-01</td> <td>0.208870</td> <td>2.96E-01</td> <td>-0.1157564</td> <td>5.65E-01</td> <td>0.204113</td> <td>3.96E-01</td> <td>0.06318</td> <td>8.08E-01</td> <td>-0.05475</td> <td>2.90E-01</td>	-0.0930310	4.20E-01	0.0519039	7.44E-01	0.208870	2.96E-01	-0.1157564	5.65E-01	0.204113	3.96E-01	0.06318	8.08E-01	-0.05475	2.90E-01
ENSG0000011384	111309819	111316																	

Table with columns for gene ID, chromosome, coordinates, gene name, transcript name, and various numerical values. The table lists numerous genes such as TRDC, STX4, HNR1A, and many others, each with associated genomic data and numerical values.

ENSG0000015869	1	104072883	104226678	AC092506.1	havana	transcribed_unrep	-0.152968	1.84e-01	-0.166899	2.47e-01	-0.121864	5.41e-01	-0.121823	5.45e-01	-0.156704	2.58e-01	-0.154109	4.83e-01	-0.136638	3.44e-01
ENSG0000015870	18	6738984	6741167	PEK1	ensembl	mRNA	-0.078709	5.03e-01	-0.048517	7.86e-01	-0.020267	7.86e-01	-0.121849	5.45e-01	-0.117792	4.21e-01	-0.128218	4.84e-01	-0.071661	7.95e-01
ENSG0000015871	18	6739077	6739265	ZNF547	ensembl	mRNA	-0.136417	2.91e-01	-0.136417	2.91e-01	-0.136417	2.91e-01	-0.136417	2.91e-01	-0.136417	2.91e-01	-0.136417	2.91e-01	-0.136417	2.91e-01
ENSG0000015872	18	127672935	127680226	ABT1	ensembl	mRNA	-0.186095	2.98e-01	-0.175886	6.02e-01	-0.204512	3.04e-01	-0.121842	5.45e-01	-0.183409	4.80e-01	-0.092617	6.74e-01	-0.157275	2.75e-01
ENSG0000015873	6	7054617	7054969	SDH4	ensembl	mRNA	-0.099942	3.89e-01	-0.072181	8.93e-01	-0.099920	6.21e-01	-0.121874	5.45e-01	-0.109670	2.20e-01	-0.188224	3.89e-01	-0.071278	8.80e-01
ENSG0000015874	11	2013634	2013313	AC081465.1	havana	transcribed_unrep	-0.131313	1.81e-01	-0.131313	1.81e-01	-0.131313	1.81e-01	-0.131313	1.81e-01	-0.131313	1.81e-01	-0.131313	1.81e-01	-0.131313	1.81e-01
ENSG0000015875	11	9120615	9121099	AL108074.4	havana	transcribed_unrep	-0.056042	1.51e-01	-0.0843	5.06e-01	-0.073624	7.15e-01	-0.121879	5.45e-01	-0.233146	4.80e-01	-0.084207	7.00e-01	-0.081244	5.97e-01
ENSG0000015876	11	3657574	3658279	RAG2	ensembl	mRNA	-0.083672	7.99e-01	-0.023223	8.73e-01	-0.30321024	1.24e-01	-0.121896	5.45e-01	-0.0952179	4.93e-01	-0.084818	7.56e-01	-0.0928224	4.98e-01
ENSG0000015877	12	6215957	6216293	SEK3P1	ensembl	mRNA	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01
ENSG0000015878	12	17925028	17926173	RIF1P1	ensembl	processed_pseud	0.0782671	4.51e-01	-0.035379	9.81e-01	-0.301778	1.26e-01	-0.121920	5.45e-01	-0.067033	4.93e-01	-0.210248	5.00e-01	-0.0737598	5.46e-01
ENSG0000015879	10	8722548	8723698	NUTM2A	ensembl	mRNA	-0.072849	5.29e-01	-0.050643	8.33e-01	-0.0284140	8.06e-01	-0.121923	5.45e-01	-0.124895	3.68e-01	-0.157243	4.73e-01	-0.080958	5.76e-01
ENSG0000015880	28	12356665	12343736	SEK3P1	ensembl	mRNA	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01	-0.021048	6.87e-01
ENSG0000015881	10	1581042	1581679	AC05688.1	havana	processed_pseud	-0.119321	3.01e-01	-0.148759	3.04e-01	-0.161365	4.21e-01	-0.121943	5.45e-01	-0.118266	3.93e-01	-0.107218	4.80e-01	-0.102176	4.77e-01
ENSG0000015882	6	10875163	10876942	LINC00222	havana	transcribed_unrep	-0.004605	6.02e-01	-0.094239	3.14e-01	-0.184677	3.11e-01	-0.121918	5.45e-01	-0.121918	5.45e-01	-0.046691	8.22e-01	-0.143941	3.20e-01
ENSG0000015883	20	131612	138285	AL13031.1	havana	transcribed_unrep	-0.063462	6.89e-01	-0.082399	5.54e-01	-0.2784089	1.86e-01	-0.120217	5.44e-01	-0.044124	5.44e-01	-0.209915	3.29e-01	-0.270647	5.72e-01
ENSG0000015884	11	974408	974485	RIF1P1	ensembl	mRNA	-0.071702	4.02e-01	-0.071702	4.02e-01	-0.071702	4.02e-01	-0.121920	5.45e-01	-0.121920	5.45e-01	-0.046691	8.22e-01	-0.143941	3.20e-01
ENSG0000015885	2	218419121	218453295	VIL1	ensembl	mRNA	-0.0458489	6.73e-01	-0.0349513	5.88e-01	-0.178729	3.72e-01	-0.122056	5.44e-01	-0.099624	4.73e-01	-0.401877	2.70e-01	-0.260251	5.13e-01
ENSG0000015886	11	7392166	7392236	ARR3P4	ensembl	processed_pseud	-0.0818091	4.97e-01	-0.105029	3.15e-01	-0.1513581	4.98e-01	-0.122075	5.44e-01	-0.107740	4.39e-01	-0.109793	6.18e-01	-0.240837	9.23e-01
ENSG0000015887	6	8204501	8201279	SLC90D3.3	havana	transcribed_unrep	-0.121703	3.01e-01	-0.170877	3.58e-01	-0.170877	3.58e-01	-0.122059	5.44e-01	-0.151768	3.83e-01	-0.179945	4.77e-01	-0.166512	1.91e-01
ENSG0000015888	11	7883355	7889779	MTH5	ensembl	mRNA	-0.0780454	5.28e-01	-0.097905	9.56e-01	-0.1253839	5.31e-01	-0.122070	5.44e-01	-0.0769187	5.00e-01	-0.0825604	8.88e-01	-0.0765569	5.97e-01
ENSG0000015889	6	1318895	1319306	NCR3	ensembl	mRNA	-0.1189197	3.03e-01	-0.115782	3.47e-01	-0.226642	2.58e-01	-0.122078	5.44e-01	-0.111410	4.22e-01	-0.052628	8.11e-01	-0.113281	4.32e-01
ENSG0000015890	11	12329216	12330216	LRN1	ensembl	mRNA	-0.118442	3.06e-01	-0.075697	8.06e-01	-0.2070031	2.07e-01	-0.122076	5.44e-01	-0.126294	3.68e-01	-0.172934	4.19e-01	-0.090209	5.16e-01
ENSG0000015891	2	218419121	218453295	VIL1	ensembl	mRNA	-0.0458489	6.73e-01	-0.0349513	5.88e-01	-0.178729	3.72e-01	-0.122056	5.44e-01	-0.099624	4.73e-01	-0.401877	2.70e-01	-0.260251	5.13e-01
ENSG0000015892	11	7392166	7392236	ARR3P4	ensembl	processed_pseud	-0.0818091	4.97e-01	-0.105029	3.15e-01	-0.1513581	4.98e-01	-0.122075	5.44e-01	-0.107740	4.39e-01	-0.109793	6.18e-01	-0.240837	9.23e-01
ENSG0000015893	6	8204501	8201279	SLC90D3.3	havana	transcribed_unrep	-0.121703	3.01e-01	-0.170877	3.58e-01	-0.170877	3.58e-01	-0.122059	5.44e-01	-0.151768	3.83e-01	-0.179945	4.77e-01	-0.166512	1.91e-01
ENSG0000015894	11	7883355	7889779	MTH5	ensembl	mRNA	-0.0780454	5.28e-01	-0.097905	9.56e-01	-0.1253839	5.31e-01	-0.122070	5.44e-01	-0.0769187	5.00e-01	-0.0825604	8.88e-01	-0.0765569	5.97e-01
ENSG0000015895	6	1318895	1319306	NCR3	ensembl	mRNA	-0.1189197	3.03e-01	-0.115782	3.47e-01	-0.226642	2.58e-01	-0.122078	5.44e-01	-0.111410	4.22e-01	-0.052628	8.11e-01	-0.113281	4.32e-01
ENSG0000015896	11	12329216	12330216	LRN1	ensembl	mRNA	-0.118442	3.06e-01	-0.075697	8.06e-01	-0.2070031	2.07e-01	-0.122076	5.44e-01	-0.126294	3.68e-01	-0.172934	4.19e-01	-0.090209	5.16e-01
ENSG0000015897	2	218419121	218453295	VIL1	ensembl	mRNA	-0.0458489	6.73e-01	-0.0349513	5.88e-01	-0.178729	3.72e-01	-0.122056	5.44e-01	-0.099624	4.73e-01	-0.401877	2.70e-01	-0.260251	5.13e-01
ENSG0000015898	11	7392166	7392236	ARR3P4	ensembl	processed_pseud	-0.0818091	4.97e-01	-0.105029	3.15e-01	-0.1513581	4.98e-01	-0.122075	5.44e-01	-0.107740	4.39e-01	-0.109793	6.18e-01	-0.240837	9.23e-01
ENSG0000015899	6	8204501	8201279	SLC90D3.3	havana	transcribed_unrep	-0.121703	3.01e-01	-0.170877	3.58e-01	-0.170877	3.58e-01	-0.122059	5.44e-01	-0.151768	3.83e-01	-0.179945	4.77e-01	-0.166512	1.91e-01
ENSG0000015900	11	7883355	7889779	MTH5	ensembl	mRNA	-0.0780454	5.28e-01	-0.097905	9.56e-01	-0.1253839	5.31e-01	-0.122070	5.44e-01	-0.0769187	5.00e-01	-0.0825604	8.88e-01	-0.0765569	5.97e-01
ENSG0000015901	6	1318895	1319306	NCR3	ensembl	mRNA	-0.1189197	3.03e-01	-0.115782	3.47e-01	-0.226642	2.58e-01	-0.122078	5.44e-01	-0.111410	4.22e-01	-0.052628	8.11e-01	-0.113281	4.32e-01
ENSG0000015902	11	12329216	12330216	LRN1	ensembl	mRNA	-0.118442	3.06e-01	-0.075697	8.06e-01	-0.2070031	2.07e-01	-0.122076	5.44e-01	-0.126294	3.68e-01	-0.172934	4.19e-01	-0.090209	5.16e-01
ENSG0000015903	2	218419121	218453295	VIL1	ensembl	mRNA	-0.0458489	6.73e-01	-0.0349513	5.88e-01	-0.178729	3.72e-01	-0.122056	5.44e-01	-0.099624	4.73e-01	-0.401877	2.70e-01	-0.260251	5.13e-01
ENSG0000015904	11	7392166	7392236	ARR3P4	ensembl	processed_pseud	-0.0818091	4.97e-01	-0.105029	3.15e-01	-0.1513581	4.98e-01	-0.122075	5.44e-01	-0.107740	4.39e-01	-0.109793	6.18e-01	-0.240837	9.23e-01
ENSG0000015905	6	8204501	8201279	SLC90D3.3	havana	transcribed_unrep	-0.121703	3.01e-01	-0.170877	3.58e-01	-0.170877	3.58e-01	-0.122059	5.44e-01	-0.151768	3.83e-01	-0.179945	4.77e-01	-0.166512	1.91e-01
ENSG0000015906	11	7883355	7889779	MTH5	ensembl	mRNA	-0.0780454	5.28e-01	-0.097905	9.56e-01	-0.1253839	5.31e-01	-0.122070	5.44e-01	-0.0769187	5.00e-01	-0.0825604	8.88e-01	-0.0765569	5.97e-01
ENSG0000015907	6	1318895	1319306	NCR3	ensembl	mRNA	-0.1189197	3.03e-01	-0.115782	3.47e-01	-0.226642	2.58e-01	-0.122078	5.44e-01	-0.111410	4.22e-01	-0.052628	8.11e-01	-0.113281	4.32e-01
ENSG0000015908	11	12329216	12330216	LRN1	ensembl	mRNA	-0.118442	3.06e-01	-0.075697	8.06e-01	-0.2070031	2.07e-01	-0.122076	5.44e-01	-0.126294	3.68e-01	-0.172934	4.19e-01	-0.090209	5.16e-01
ENSG0000015909	2	218419121	218453295	VIL1	ensembl	mRNA	-0.0458489	6.73e-01	-0.0349513	5.88e-01	-0.178729	3.72e-01	-0.122056	5.44e-01	-0.099624	4.73e-01	-0.401877	2.70e-01	-0.260251	5.13e-01
ENSG0000015910	11	7392166	7392236	ARR3P4	ensembl	processed_pseud	-0.0818091	4.97e-01	-0.105029	3.15e-01	-0.1513581	4.98e-01	-0.122075	5.44e-01	-0.107740	4.39e-01	-0.109793	6.18e-01	-0.240837	9.23e-01
ENSG0000015911	6	8204501	8201279	SLC90D3.3	havana	transcribed_unrep	-0.121703	3.01e-01	-0.170877	3.58e-01	-0.170877	3.58e-01	-0.122059	5.44e-01	-0.151768	3.83e-01	-0.179945	4.77e-01	-0.166512	1.91e-01
ENSG0000015912	1																			

ENSG0000018691	7	92134604	92180725	CCP31A1.451	havana	incRNA	YES	YES	-0.161637	2.08E-01	0.0072155	9.80E-01	0.182021	4.92E-01	-0.133789	5.14E-01	-0.267865	5.02E-01	0.0014104	9.95E-01	-0.093883	5.20E-01	
ENSG00000189139	18	44504149	4502783	FCER1	ensembl	havana	protein coding	YES	-0.180213	1.17E-01	-0.103275	4.81E-01	0.140997	4.86E-01	-0.131811	5.14E-01	-0.187214	8.21E-01	0.188234	3.96E-01	-0.152915	2.88E-01	
ENSG00000189491	14	71211010	7122274	FCER1	ensembl	havana	transcripted pseudo	YES	-0.126815	0.33E-01	-0.126815	0.33E-01	0.1168149	5.14E-01	-0.1168149	5.14E-01	0.1168149	5.14E-01	0.1168149	5.14E-01	-0.054549	7.48E-01	
ENSG00000189495	14	71211010	7122274	AC00481.7.4	havana	incRNA	NO	NO	-0.102978	3.44E-01	-0.102978	3.44E-01	-0.102978	3.44E-01	-0.131446	5.14E-01	-0.186270	5.17E-01	-0.127746	5.77E-01	-0.054549	7.48E-01	
ENSG0000018484	1	3729389	3754444	DNMT3B	ensembl	havana	protein coding	YES	-0.278978	1.48E-01	-0.063993	6.90E-01	0.349432	7.71E-01	-0.131432	5.14E-01	-0.145146	3.80E-01	0.102615	6.41E-01	-0.20371	1.08E-01	
ENSG0000018395	15	8929607	9154024	DNMT3B	ensembl	havana	transcripted pseudo	YES	-0.102978	3.44E-01	-0.102978	3.44E-01	-0.102978	3.44E-01	-0.102978	3.44E-01	-0.102978	3.44E-01	0.125513	2.75E-01	-0.054549	7.48E-01	
ENSG00000186306	9	2578032	2584485	INC01241	havana	incRNA	NO	NO	-0.125849	2.75E-01	-0.093022	4.16E-01	-0.131446	5.14E-01	-0.131446	5.14E-01	-0.166774	2.88E-01	0.102615	5.88E-01	-0.148331	3.21E-01	
ENSG0000017097	9	1288342	1288944	KVAT1	ensembl	havana	protein coding	YES	-0.10097	3.82E-01	-0.118495	4.13E-01	0.3961563	4.08E-01	-0.131451	5.14E-01	-0.130749	4.46E-01	0.186295	2.97E-01	0.1262413	3.82E-01	
ENSG0000018551	12	23874565	2387499	LOC101928	ensembl	havana	transcripted pseudo	YES	-0.167587	1.00E-01	-0.167587	1.00E-01	-0.167587	1.00E-01	-0.167587	1.00E-01	-0.167587	1.00E-01	0.092176	3.95E-01	-0.054549	7.48E-01	
ENSG0000017130	9	12508111	12509438	LOC101928	ensembl	havana	transcripted pseudo	YES	-0.139852	8.31E-01	-0.139852	8.31E-01	-0.139852	8.31E-01	-0.139852	8.31E-01	-0.139852	8.31E-01	0.291534	3.94E-01	-0.127274	3.86E-01	
ENSG00000187001	10	9178285	9178804	TNKS2.A1	havana	incRNA	NO	NO	-0.003544	9.75E-01	0.0611474	6.73E-01	0.0319028	8.74E-01	-0.133505	5.13E-01	-0.101649	4.65E-01	0.484820	3.18E-01	0.1139046	4.31E-01	
ENSG0000017009	10	1219110	1219245	LOC101928	ensembl	havana	transcripted pseudo	YES	-0.080878	3.45E-01	-0.080878	3.45E-01	-0.080878	3.45E-01	-0.133505	5.13E-01	-0.142468	3.21E-01	0.308483	4.66E-01	0.084869	3.45E-01	
ENSG0000018780	4	1264038	1264037	AC09380.1	havana	transcripted pseudo	NO	NO	-0.095848	4.09E-01	-0.118751	5.72E-01	0.186651	5.72E-01	-0.133505	5.13E-01	-0.110740	4.26E-01	-0.19057	3.84E-01	-0.189814	4.31E-01	
ENSG0000018552	1	20577559	20578323	AC11367.1	havana	incRNA	NO	NO	-0.178468	1.20E-01	-0.092721	6.93E-01	-0.1647163	4.12E-01	-0.131571	5.13E-01	-0.258188	3.94E-01	-0.105529	6.32E-01	-0.142320	3.32E-01	
ENSG0000018214	10	1219110	1219245	ZNF708	ensembl	havana	protein coding	YES	-0.089729	4.37E-01	-0.118704	8.80E-01	0.065512	7.45E-01	-0.133564	5.13E-01	-0.170139	2.00E-01	0.194395	5.56E-01	-0.1020273	3.28E-01	
ENSG00000179447	10	3132324	3132381	AC11367.1	havana	transcripted pseudo	YES	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	0.07991	7.48E-01	-0.027964	2.72E-01
ENSG00000120406	3	819400	874540	SIUO2	ensembl	havana	protein coding	YES	-0.168745	1.55E-01	-0.0059034	9.69E-01	-0.1076704	3.64E-01	-0.131571	5.13E-01	-0.285294	3.94E-01	-0.158677	4.70E-01	-0.1311297	8.31E-01	
ENSG00000140036	19	4983839	4985176	PTUO1.A1	havana	incRNA	NO	NO	0.0164885	8.98E-01	-0.0471202	7.44E-01	0.6794899	3.26E-01	-0.131592	5.13E-01	-0.2004721	9.97E-01	0.191729	5.86E-01	-0.248772	3.61E-01	
ENSG0000013817	10	4276967	4276783	EIF2S3	ensembl	havana	protein coding	YES	-0.179929	1.30E-01	-0.13925	3.55E-01	0.206420	3.01E-01	-0.131095	5.13E-01	-0.1316339	3.11E-01	0.164202	9.49E-01	-0.066022	1.90E-01	
ENSG00000187131	2	3840819	3841267	AC01699.1	havana	transcripted pseudo	NO	NO	-0.186237	1.04E-01	-0.126108	8.82E-01	-0.182071	3.61E-01	-0.131571	5.13E-01	-0.267021	5.08E-01	0.078429	8.95E-01	-0.078429	5.68E-01	
ENSG0000017936	6	11287333	1124294	ROSL	ensembl	havana	protein coding	YES	-0.203128	7.65E-01	-0.097277	5.84E-01	-0.132971	3.61E-01	-0.131618	5.13E-01	-0.131999	2.21E-01	-0.127026	5.64E-01	-0.16043	2.66E-01	
ENSG0000018002	17	4892116	4891504	HPK9B	ensembl	havana	protein coding	YES	-0.246711	3.99E-01	-0.202644	1.50E-01	-0.211588	2.78E-01	-0.133228	5.13E-01	-0.169209	3.89E-01	-0.140811	4.83E-01	-0.130203	1.91E-01	
ENSG00000182870	4	1264038	1264037	AC09380.1	havana	transcripted pseudo	NO	NO	-0.035544	9.75E-01	-0.035544	9.75E-01	-0.035544	9.75E-01	-0.133505	5.13E-01	-0.101649	4.65E-01	0.484820	3.18E-01	0.1139046	4.31E-01	
ENSG0000018552	1	20577559	20578323	AC11367.1	havana	transcripted pseudo	YES	-0.178468	1.20E-01	-0.092721	6.93E-01	-0.1647163	4.12E-01	-0.131571	5.13E-01	-0.258188	3.94E-01	-0.105529	6.32E-01	-0.142320	3.32E-01		
ENSG0000018214	10	1219110	1219245	ZNF708	ensembl	havana	protein coding	YES	-0.089729	4.37E-01	-0.118704	8.80E-01	0.065512	7.45E-01	-0.133564	5.13E-01	-0.170139	2.00E-01	0.194395	5.56E-01	-0.1020273	3.28E-01	
ENSG00000179447	10	3132324	3132381	AC11367.1	havana	transcripted pseudo	YES	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	0.07991	7.48E-01	-0.027964	2.72E-01
ENSG00000120406	3	819400	874540	SIUO2	ensembl	havana	protein coding	YES	-0.168745	1.55E-01	-0.0059034	9.69E-01	-0.1076704	3.64E-01	-0.131571	5.13E-01	-0.285294	3.94E-01	-0.158677	4.70E-01	-0.1311297	8.31E-01	
ENSG00000140036	19	4983839	4985176	PTUO1.A1	havana	incRNA	NO	NO	0.0164885	8.98E-01	-0.0471202	7.44E-01	0.6794899	3.26E-01	-0.131592	5.13E-01	-0.2004721	9.97E-01	0.191729	5.86E-01	-0.248772	3.61E-01	
ENSG0000013817	10	4276967	4276783	EIF2S3	ensembl	havana	protein coding	YES	-0.179929	1.30E-01	-0.13925	3.55E-01	0.206420	3.01E-01	-0.131095	5.13E-01	-0.1316339	3.11E-01	0.164202	9.49E-01	-0.066022	1.90E-01	
ENSG00000187131	2	3840819	3841267	AC01699.1	havana	transcripted pseudo	NO	NO	-0.186237	1.04E-01	-0.126108	8.82E-01	-0.182071	3.61E-01	-0.131571	5.13E-01	-0.267021	5.08E-01	0.078429	8.95E-01	-0.078429	5.68E-01	
ENSG0000017936	6	11287333	1124294	ROSL	ensembl	havana	protein coding	YES	-0.203128	7.65E-01	-0.097277	5.84E-01	-0.132971	3.61E-01	-0.131618	5.13E-01	-0.131999	2.21E-01	-0.127026	5.64E-01	-0.16043	2.66E-01	
ENSG0000018002	17	4892116	4891504	HPK9B	ensembl	havana	protein coding	YES	-0.246711	3.99E-01	-0.202644	1.50E-01	-0.211588	2.78E-01	-0.133228	5.13E-01	-0.169209	3.89E-01	-0.140811	4.83E-01	-0.130203	1.91E-01	
ENSG00000182870	4	1264038	1264037	AC09380.1	havana	transcripted pseudo	NO	NO	-0.035544	9.75E-01	-0.035544	9.75E-01	-0.035544	9.75E-01	-0.133505	5.13E-01	-0.101649	4.65E-01	0.484820	3.18E-01	0.1139046	4.31E-01	
ENSG0000018552	1	20577559	20578323	AC11367.1	havana	transcripted pseudo	YES	-0.178468	1.20E-01	-0.092721	6.93E-01	-0.1647163	4.12E-01	-0.131571	5.13E-01	-0.258188	3.94E-01	-0.105529	6.32E-01	-0.142320	3.32E-01		
ENSG0000018214	10	1219110	1219245	ZNF708	ensembl	havana	protein coding	YES	-0.089729	4.37E-01	-0.118704	8.80E-01	0.065512	7.45E-01	-0.133564	5.13E-01	-0.170139	2.00E-01	0.194395	5.56E-01	-0.1020273	3.28E-01	
ENSG00000179447	10	3132324	3132381	AC11367.1	havana	transcripted pseudo	YES	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	-0.121305	0.93E-01	0.07991	7.48E-01	-0.027964	2.72E-01
ENSG00000120406	3	819400	874540	SIUO2	ensembl	havana	protein coding	YES	-0.168745	1.55E-01	-0.0059034	9.69E-01	-0.1076704	3.64E-01	-0.131571	5.13E-01	-0.285294	3.94E-01	-0.158677	4.70E-01	-0.1311297	8.31E-01	
ENSG00000140036	19	4983839	4985176	PTUO1.A1	havana	incRNA	NO	NO	0.0164885	8.98E-01	-0.0471202	7.44E-01	0.6794899	3.26E-01	-0.131592	5.13E-01	-0.2004721	9.97E-01	0.191729	5.86E-01	-0.248772	3.61E-01	
ENSG0000013817	10	4276967	4276783	EIF2S3	ensembl	havana	protein coding	YES	-0.179929	1.30E-01	-0.13925	3.55E-01	0.206420	3.01E-01	-0.131095	5.13E-01	-0.1316339	3.11E-01	0.164202	9.49E-01	-0.066022	1.90E-01	
ENSG00000187131	2	3840819	3841267	AC01699.1	havana	transcripted pseudo	NO	NO	-0.186237	1.04E-01	-0.126108	8.82E-01	-0.182071	3.61E-01	-0.131571	5.13E-01	-0.267021	5.08E-01	0.078429	8.95E-01	-0.078429	5.68E-01	
ENSG0000017936	6	11287333	1124294	ROSL	ensembl	havana	protein coding	YES	-0.203128	7.65E-01	-0.097277	5.84E-01	-0.132971	3.61E-01	-								

Table with 15 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description, RefSeq Accession, RefSeq Date, RefSeq Version, RefSeq Length, RefSeq Source. The table lists genomic features for various genes across chromosomes 1-22, X, and Y.

ENSG00000287391	15	8763888	8766888	AC103871.1	havana	tagene	incRNA	YES	YES	-0.164608	1.53E-01	-0.050042	7.30E-01	-0.121840	5.41E-01	-0.138229	4.92E-01	-0.244424	7.49E-01	-0.146548	5.05E-01	-0.121702	4.00E-01
ENSG00000148418	6	7921245	7921378	HMOX3	ensembl	havana	mRNA	YES	YES	0.1186273	3.04E-01	-0.170761	3.79E-01	-0.179789	3.81E-01	-0.138289	4.92E-01	-0.252284	6.24E-01	-0.022523	9.19E-01	-0.130482	4.75E-01
ENSG00000152461	6	7921245	7921378	HMOX3	ensembl	havana	mRNA	YES	YES	0.1186273	3.04E-01	-0.170761	3.79E-01	-0.179789	3.81E-01	-0.138289	4.92E-01	-0.252284	6.24E-01	-0.022523	9.19E-01	-0.130482	4.75E-01
ENSG00000166335	6	7369575	7369216	CD109	ensembl	havana	mRNA	YES	YES	0.1769157	1.24E-01	-0.0543117	8.29E-01	-0.128241	4.52E-01	-0.267028	4.90E-01	-0.267028	4.90E-01	-0.074929	9.00E-01	-0.071263	6.24E-01
ENSG00000289564	6	10386203	10387487	AL380901.1	havana	tagene	incRNA	YES	YES	-0.03881	7.50E-01	-0.012994	9.29E-01	-0.077338	7.07E-01	-0.138209	4.92E-01	-0.081493	5.39E-01	-0.181053	5.82E-01	-0.208473	8.34E-01
ENSG0000021170	21	12427668	12427992	IRNA	ensembl	havana	transcribed_unprocessed_pseudogene	YES	YES	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG00000289564	21	14450886	14455284	LRRC3D	ensembl	havana	mRNA	YES	YES	-0.066875	5.63E-01	-0.060987	6.48E-01	-0.108374	5.16E-01	-0.138209	4.92E-01	-0.128340	7.47E-01	-0.088745	6.07E-01	-0.164283	5.84E-01
ENSG00000178997	4	7430285	7434930	PSAP1	ensembl	havana	mRNA	YES	YES	-0.166684	1.47E-01	-0.117924	4.15E-01	-0.0504475	8.04E-01	-0.138364	4.91E-01	-0.220034	1.10E-01	-0.184507	3.99E-01	-0.122797	5.91E-01
ENSG0000017121	4	12356565	12359378	ERT34	ensembl	havana	mRNA	YES	YES	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG00000124340	4	25800176	2581221	SELENOIN	ensembl	havana	mRNA	YES	YES	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00	-0.000000	0.00E+00
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana	mRNA	YES	YES	-0.132302	2.52E-01	-0.087388	5.46E-01	-0.151258	1.09E-01	-0.138338	4.91E-01	-0.158936	2.58E-01	-0.282243	2.74E-01	-0.279237	4.51E-01
ENSG0000012824	4	21783324	21787496	SPRY17	ensembl	havana</																	

ENSG0000016425	4	105526396	105527397	PIRMEI2	ncrna	processed_pseudo	-0.063978	5.80E-01	-0.038264	7.89E-01	-0.122894	5.41E-01	-0.140296	4.85E-01	-0.114494	4.11E-01	-0.072615	7.42E-01	0.035420	8.07E-01
ENSG0000011296	5	7099111	8008287	THRE1	ensembl ncRNA	protein_coding	-0.192409	9.22E-02	-0.13474	3.55E-01	-0.17620	3.74E-01	-0.16022	4.85E-01	-0.28774	3.88E-01	-0.08991	8.61E-01	0.031120	4.72E-01
ENSG0000029398	12	1248903	2048191	TWSP13	ensembl ncRNA	processed_pseudo	-0.127818	1.21E-01	-0.11782	8.92E-01	-0.12782	8.92E-01	-0.12782	8.92E-01	-0.12782	8.92E-01	-0.12782	8.92E-01	-0.12782	8.92E-01
ENSG0000017139	15	7387354	7388914	TBC1D21	ensembl ncRNA	protein_coding	YES	YES	-0.145393	1.91E-01	-0.099240	6.21E-01	-0.14022	4.85E-01	-0.17888	4.31E-01	-0.160943	4.63E-01	-0.145495	4.72E-01
ENSG0000000001	3	5031790	5032762	HYAL2	ensembl ncRNA	protein_coding	YES	YES	-0.134609	2.44E-01	-0.107443	1.92E-01	-0.086202	6.68E-01	-0.140297	4.85E-01	-0.122022	4.46E-01	-0.185038	7.08E-01
ENSG0000013210	4	1432274	1504348	ICM5	ensembl ncRNA	processed_pseudo	-0.108062	1.04E-01	-0.108062	1.04E-01	-0.108062	1.04E-01	-0.108062	1.04E-01	-0.108062	1.04E-01	-0.108062	1.04E-01	-0.108062	1.04E-01
ENSG0000029589	13	11934547	11937163	HLA2L	ensembl ncRNA	transcribed_unannotated	YES	YES	-0.126024	2.75E-01	-0.103401	8.28E-01	-0.140331	4.85E-01	-0.130083	4.42E-01	-0.083517	9.05E-01	-0.182739	6.10E-01
ENSG0000013388	13	1918208	19187618	AL13937.1	ensembl transcribed_unannotated	YES	YES	YES	-0.197933	9.47E-02	-0.140549	3.11E-01	-0.087361	7.98E-01	-0.140319	4.85E-01	-0.269039	5.71E-01	-0.142074	5.20E-01
ENSG0000017650	4	1309314	1309314	AC11078.3	ensembl ncRNA	processed_pseudo	-0.063978	5.80E-01	-0.063978	5.80E-01	-0.063978	5.80E-01	-0.063978	5.80E-01	-0.063978	5.80E-01	-0.063978	5.80E-01	-0.063978	5.80E-01
ENSG0000014247	4	4888510	4890657	OC102	ensembl ncRNA	protein_coding	-0.140794	2.05E-01	-0.140599	7.50E-01	-0.145994	7.50E-01	-0.145994	7.50E-01	-0.145994	7.50E-01	-0.145994	7.50E-01	-0.145994	7.50E-01
ENSG0000020250	17	7213209	7217283	AC00566.1	ensembl ncRNA	processed_pseudo	-0.046910	6.85E-01	-0.066265	6.76E-01	-0.181889	3.64E-01	-0.140316	4.85E-01	-0.120933	3.85E-01	-0.055172	8.08E-01	-0.138803	3.43E-01
ENSG0000015800	20	1232483	1232684	CE13.451	ensembl ncRNA	processed_pseudo	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01
ENSG0000023642	2	22721052	22723511	MFF-D7	ensembl ncRNA	processed_pseudo	-0.229457	4.57E-01	-0.055298	7.63E-01	-0.244117	2.20E-01	-0.140494	4.85E-01	-0.155545	4.93E-01	-0.199279	3.78E-01	-0.112144	3.41E-01
ENSG0000021434	11	7311045	7321148	ZNF705	ensembl ncRNA	protein_coding	YES	YES	-0.120278	1.14E-01	-0.138833	3.18E-01	-0.090623	7.61E-01	-0.140404	4.85E-01	-0.243488	7.66E-01	-0.092498	9.28E-01
ENSG0000022428	11	11703797	11709651	AK0936.3	ensembl processed_pseudo	YES	YES	YES	-0.174748	1.46E-01	-0.098938	4.97E-01	-0.174748	1.46E-01	-0.174748	1.46E-01	-0.174748	1.46E-01	-0.174748	1.46E-01
ENSG0000015250	20	467378	6204884	ENP17	ensembl ncRNA	processed_pseudo	-0.031641	7.70E-01	-0.098938	4.96E-01	-0.177699	4.39E-01	-0.140296	4.85E-01	-0.160292	7.98E-01	-0.181193	1.36E-01	-0.029113	1.20E-01
ENSG0000020094	18	2433164	2443638	AC00792.2	ensembl ncRNA	processed_pseudo	-0.148924	1.96E-01	-0.076759	5.82E-01	-0.138624	3.21E-01	-0.140443	4.85E-01	-0.221024	1.08E-01	-0.076683	7.98E-01	-0.140045	4.32E-01
ENSG0000014949	22	1857810	1856629	AM227A	ensembl ncRNA	protein_coding	YES	YES	-0.180807	1.14E-01	-0.066499	6.45E-01	-0.031240	8.61E-01	-0.140443	4.85E-01	-0.271396	3.36E-01	-0.185042	1.49E-01
ENSG0000017670	4	1263676	12629747	AL5131.2	ensembl ncRNA	processed_pseudo	-0.091717	4.18E-01	-0.118717	2.90E-01	-0.139026	4.80E-01	-0.140494	4.85E-01	-0.059089	8.46E-01	-0.138476	5.37E-01	-0.040174	7.82E-01
ENSG0000023630	20	6348051	6348429	KNO2-AS1	ensembl ncRNA	processed_pseudo	-0.170994	1.37E-01	-0.061628	6.74E-01	-0.205562	3.11E-01	-0.140597	4.84E-01	-0.209283	6.78E-01	-0.092083	6.78E-01	-0.104107	2.66E-01
ENSG0000016912	11	4717322	4718643	PAC3N3	ensembl ncRNA	protein_coding	-0.144576	1.53E-01	-0.107977	4.77E-01	-0.180099	3.69E-01	-0.140558	4.84E-01	-0.250817	6.73E-01	-0.148863	6.78E-01	-0.103104	2.66E-01
ENSG0000015800	20	1232483	1232684	CE13.451	ensembl ncRNA	processed_pseudo	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01
ENSG0000023482	2	22721052	22723511	MFF-D7	ensembl ncRNA	processed_pseudo	-0.229457	4.57E-01	-0.055298	7.63E-01	-0.244117	2.20E-01	-0.140494	4.85E-01	-0.155545	4.93E-01	-0.199279	3.78E-01	-0.112144	3.41E-01
ENSG0000021434	11	7311045	7321148	ZNF705	ensembl ncRNA	protein_coding	YES	YES	-0.120278	1.14E-01	-0.138833	3.18E-01	-0.090623	7.61E-01	-0.140404	4.85E-01	-0.243488	7.66E-01	-0.092498	9.28E-01
ENSG0000022428	11	11703797	11709651	AK0936.3	ensembl processed_pseudo	YES	YES	YES	-0.174748	1.46E-01	-0.098938	4.97E-01	-0.174748	1.46E-01	-0.174748	1.46E-01	-0.174748	1.46E-01	-0.174748	1.46E-01
ENSG0000015250	20	467378	6204884	ENP17	ensembl ncRNA	processed_pseudo	-0.031641	7.70E-01	-0.098938	4.96E-01	-0.177699	4.39E-01	-0.140296	4.85E-01	-0.160292	7.98E-01	-0.181193	1.36E-01	-0.029113	1.20E-01
ENSG0000020094	18	2433164	2443638	AC00792.2	ensembl ncRNA	processed_pseudo	-0.148924	1.96E-01	-0.076759	5.82E-01	-0.138624	3.21E-01	-0.140443	4.85E-01	-0.221024	1.08E-01	-0.076683	7.98E-01	-0.140045	4.32E-01
ENSG0000014949	22	1857810	1856629	AM227A	ensembl ncRNA	protein_coding	YES	YES	-0.180807	1.14E-01	-0.066499	6.45E-01	-0.031240	8.61E-01	-0.140443	4.85E-01	-0.271396	3.36E-01	-0.185042	1.49E-01
ENSG0000017670	4	1263676	12629747	AL5131.2	ensembl ncRNA	processed_pseudo	-0.091717	4.18E-01	-0.118717	2.90E-01	-0.139026	4.80E-01	-0.140494	4.85E-01	-0.059089	8.46E-01	-0.138476	5.37E-01	-0.040174	7.82E-01
ENSG0000023630	20	6348051	6348429	KNO2-AS1	ensembl ncRNA	processed_pseudo	-0.170994	1.37E-01	-0.061628	6.74E-01	-0.205562	3.11E-01	-0.140597	4.84E-01	-0.209283	6.78E-01	-0.092083	6.78E-01	-0.104107	2.66E-01
ENSG0000016912	11	4717322	4718643	PAC3N3	ensembl ncRNA	protein_coding	-0.144576	1.53E-01	-0.107977	4.77E-01	-0.180099	3.69E-01	-0.140558	4.84E-01	-0.250817	6.73E-01	-0.148863	6.78E-01	-0.103104	2.66E-01
ENSG0000015800	20	1232483	1232684	CE13.451	ensembl ncRNA	processed_pseudo	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01
ENSG0000023482	2	22721052	22723511	MFF-D7	ensembl ncRNA	processed_pseudo	-0.229457	4.57E-01	-0.055298	7.63E-01	-0.244117	2.20E-01	-0.140494	4.85E-01	-0.155545	4.93E-01	-0.199279	3.78E-01	-0.112144	3.41E-01
ENSG0000021434	11	7311045	7321148	ZNF705	ensembl ncRNA	protein_coding	YES	YES	-0.120278	1.14E-01	-0.138833	3.18E-01	-0.090623	7.61E-01	-0.140404	4.85E-01	-0.243488	7.66E-01	-0.092498	9.28E-01
ENSG0000022428	11	11703797	11709651	AK0936.3	ensembl processed_pseudo	YES	YES	YES	-0.174748	1.46E-01	-0.098938	4.97E-01	-0.174748	1.46E-01	-0.174748	1.46E-01	-0.174748	1.46E-01	-0.174748	1.46E-01
ENSG0000015250	20	467378	6204884	ENP17	ensembl ncRNA	processed_pseudo	-0.031641	7.70E-01	-0.098938	4.96E-01	-0.177699	4.39E-01	-0.140296	4.85E-01	-0.160292	7.98E-01	-0.181193	1.36E-01	-0.029113	1.20E-01
ENSG0000020094	18	2433164	2443638	AC00792.2	ensembl ncRNA	processed_pseudo	-0.148924	1.96E-01	-0.076759	5.82E-01	-0.138624	3.21E-01	-0.140443	4.85E-01	-0.221024	1.08E-01	-0.076683	7.98E-01	-0.140045	4.32E-01
ENSG0000014949	22	1857810	1856629	AM227A	ensembl ncRNA	protein_coding	YES	YES	-0.180807	1.14E-01	-0.066499	6.45E-01	-0.031240	8.61E-01	-0.140443	4.85E-01	-0.271396	3.36E-01	-0.185042	1.49E-01
ENSG0000017670	4	1263676	12629747	AL5131.2	ensembl ncRNA	processed_pseudo	-0.091717	4.18E-01	-0.118717	2.90E-01	-0.139026	4.80E-01	-0.140494	4.85E-01	-0.059089	8.46E-01	-0.138476	5.37E-01	-0.040174	7.82E-01
ENSG0000023630	20	6348051	6348429	KNO2-AS1	ensembl ncRNA	processed_pseudo	-0.170994	1.37E-01	-0.061628	6.74E-01	-0.205562	3.11E-01	-0.140597	4.84E-01	-0.209283	6.78E-01	-0.092083	6.78E-01	-0.104107	2.66E-01
ENSG0000016912	11	4717322	4718643	PAC3N3	ensembl ncRNA	protein_coding	-0.144576	1.53E-01	-0.107977	4.77E-01	-0.180099	3.69E-01	-0.140558	4.84E-01	-0.250817	6.73E-01	-0.148863	6.78E-01	-0.103104	2.66E-01
ENSG0000015800	20	1232483	1232684	CE13.451	ensembl ncRNA	processed_pseudo	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01	-0.102023	3.41E-01
ENSG0000023482	2	22721052	22723511	MFF-D7	ensembl ncRNA	processed_pseudo	-0.229457	4.57E-01	-0.055298	7.63E-01	-0.244117	2.20E-01	-0.140494	4.85E-01	-0.155545	4.93E-01	-0.199279	3.78E-01	-0.112144	3.41E-01
ENSG0000021434	11	7311045	7321148	ZNF705	ensembl ncRNA	protein_coding	YES	YES	-0.120278	1.14E-01	-0.138833</									

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as WBP2P1, SMC1, CYP4B, and many others, with associated genomic data and expression metrics.

ENSG0000027531	7	54805336	54808148	+ C12C7	havana	processed_pseudo	-0.0288089	8.03E-01	-0.0115154	9.37E-01	-0.1570733	4.32E-01	-0.1556234	4.38E-01	0.071263	6.09E-01	-0.041735	8.51E-01	-0.0997181	4.91E-01
ENSG000002798	11	13076149	13079654	+ LINC02028	havana	processed_pseudo	-0.1444059	2.10E-01	-0.1538607	1.12E-01	-0.2097248	2.94E-01	-0.1558313	4.38E-01	0.0937596	5.01E-01	-0.180324	5.98E-01	-0.1484033	3.08E-01
ENSG000002800	11	13076149	13079654	+ C12C7	havana	processed_pseudo	-0.1444059	2.10E-01	-0.1538607	1.12E-01	-0.2097248	2.94E-01	-0.1558313	4.38E-01	0.0937596	5.01E-01	-0.180324	5.98E-01	-0.1484033	3.08E-01
ENSG000002805	6	89720400	89740293	+ ZNF246	havana	processed_pseudo	-0.2236655	5.05E-01	-0.1760611	2.74E-01	-0.1817667	8.64E-01	-0.1557243	4.38E-01	0.0922441	2.02E-01	-0.0664004	7.98E-01	-0.1370299	3.08E-01
ENSG000002806	2	60511379	60549127	+ ANTR3	havana	processed_pseudo	-0.0988007	3.92E-01	-0.0091173	9.88E-01	-0.2004139	3.16E-01	-0.1556513	4.38E-01	0.2020991	1.42E-01	-0.1485531	6.08E-01	0.0329996	8.22E-01
ENSG000002807	6	54832054	54836787	+ ZNF427	havana	processed_pseudo	-0.1521211	7.12E-01	-0.1521211	7.12E-01	-0.1521211	7.12E-01	-0.1521211	7.12E-01	-0.1521211	7.12E-01	-0.1521211	7.12E-01	-0.1521211	7.12E-01
ENSG000002813	11	78435968	78547874	+ NARS2	havana	processed_pseudo	-0.1857818	5.58E-01	-0.243389	1.71E-01	-0.1562725	2.21E-01	-0.1562725	4.38E-01	0.2486497	8.98E-01	-0.1072833	5.95E-01	-0.0726258	6.90E-01
ENSG000002817	12	4895723	48957487	+ ARF3	havana	processed_pseudo	-0.0474488	6.72E-01	-0.1483075	2.43E-01	-0.1570054	5.95E-01	-0.1558801	4.38E-01	0.0878137	8.37E-01	-0.1086545	6.22E-01	-0.0798945	5.86E-01
ENSG000002821	2	42379266	42393800	+ LINC02045	havana	processed_pseudo	-0.0122222	1.00E-01	-0.0122222	1.00E-01	-0.0122222	1.00E-01	-0.0122222	1.00E-01	-0.0122222	1.00E-01	-0.0122222	1.00E-01	-0.0122222	1.00E-01
ENSG000002826	2	151795688	151795688	+ AC027644.1	havana	transcribed_unit	-0.0210168	3.77E-01	-0.1414998	4.65E-01	-0.1517098	4.81E-01	-0.1570048	4.38E-01	0.3460556	7.84E-01	-0.0005036	7.84E-01	-0.0005036	7.84E-01
ENSG000002833	6	41780349	41790341	+ ALB2026.1	havana	processed_pseudo	-0.0685867	5.69E-01	-0.0597127	6.93E-01	-0.1630174	4.17E-01	-0.1557224	4.38E-01	0.1008582	4.88E-01	-0.1092929	9.28E-01	-0.0962523	5.06E-01
ENSG000002836	2	23174839	23180732	+ AC027644.1	havana	transcribed_unit	-0.0004823	9.96E-01	-0.0028263	3.07E-01	-0.0868631	6.76E-01	-0.1557224	4.38E-01	0.0707728	4.79E-01	-0.0302344	8.65E-01	0.0002294	2.97E-01
ENSG000002842	1	4743133	4743441	+ F002-AS1	havana	processed_pseudo	-0.1000428	3.85E-01	-0.0597075	7.27E-01	-0.1319101	1.13E-01	-0.1557224	4.38E-01	0.1427533	9.02E-01	-0.1299292	9.30E-01	-0.2448836	3.96E-01
ENSG000002843	12	5463011	54634895	+ LACT1	havana	processed_pseudo	-0.16265	1.80E-01	-0.1877913	3.48E-01	-0.1517653	4.38E-01	-0.1517653	4.38E-01	0.2493137	5.90E-01	-0.2467209	2.22E-01	-0.1016031	8.30E-01
ENSG000002849	7	3747498	3752047	+ AC02954.2	havana	processed_pseudo	-0.0796222	4.91E-01	-0.103113	4.80E-01	-0.157578	5.91E-01	-0.157578	4.38E-01	0.0779194	5.78E-01	-0.222372	3.08E-01	-0.14933	2.40E-01
ENSG000002850	7	23174839	23180732	+ P0001	havana	processed_pseudo	-0.0510071	7.00E-01	-0.0510071	7.00E-01	-0.0510071	7.00E-01	-0.0510071	7.00E-01	-0.0510071	7.00E-01	-0.0510071	7.00E-01	-0.0510071	7.00E-01
ENSG000002846	2	21545678	21551461	+ RIMBP3C	havana	processed_pseudo	-0.0711258	5.90E-01	-0.0711258	5.90E-01	-0.0711258	5.90E-01	-0.0711258	5.90E-01	-0.0711258	5.90E-01	-0.0711258	5.90E-01	-0.0711258	5.90E-01
ENSG000002863	16	2240487	2241818	+ AC02905.8	havana	processed_pseudo	-0.1866207	1.04E-01	-0.1867378	3.38E-01	-0.2077179	2.99E-01	-0.1558051	4.38E-01	0.2497477	6.81E-01	-0.1547274	5.68E-01	-0.1668813	2.47E-01
ENSG000002867	10	7510927	75141862	+ AC02909.4	havana	transcribed_unit	-0.1045084	3.00E-01	-0.1045084	3.00E-01	-0.1045084	3.00E-01	-0.1045084	3.00E-01	-0.1045084	3.00E-01	-0.1045084	3.00E-01	-0.1045084	3.00E-01
ENSG000002868	20	12762385	12809356	+ DNMT3B	havana	processed_pseudo	-0.1528704	7.42E-01	-0.074228	6.08E-01	-0.1564217	4.10E-01	-0.1558724	4.38E-01	0.1587889	7.72E-01	-0.2512919	8.11E-01	-0.1281291	3.84E-01
ENSG000002859	2	159995305	159984790	+ LINC01133	havana	processed_pseudo	-0.1461874	2.05E-01	-0.084204	5.65E-01	-0.0766717	6.91E-01	-0.1559021	4.37E-01	0.2221322	1.06E-01	-0.121423	8.16E-01	-0.071798	3.90E-01
ENSG000002862	11	13076149	13079654	+ C12C7	havana	processed_pseudo	-0.0004823	9.96E-01	-0.0028263	3.07E-01	-0.0868631	6.76E-01	-0.1557224	4.38E-01	0.0707728	4.79E-01	-0.0302344	8.65E-01	0.0002294	2.97E-01
ENSG000002864	3	10092464	10041073	+ PCNBP1	havana	processed_pseudo	-0.1210346	6.29E-01	-0.0554545	9.35E-01	-0.2957166	1.34E-01	-0.1559061	4.37E-01	0.1731287	7.17E-01	-0.0016136	9.58E-01	-0.1855597	2.56E-01
ENSG000002873	2	42122710	4212885	+ LINC01126	havana	processed_pseudo	-0.2117866	6.44E-01	-0.1055228	4.66E-01	-0.1258601	1.91E-01	-0.1559099	4.37E-01	0.3213836	1.27E-01	-0.2439941	2.62E-01	-0.095943	7.33E-01
ENSG000002870	29	36111928	36114486	+ AC02815.5	havana	processed_pseudo	-0.0598397	6.43E-01	-0.0883884	5.40E-01	-0.4294403	2.87E-01	-0.1559224	4.37E-01	0.0707944	4.85E-01	-0.1184795	5.02E-01	-0.1288803	7.79E-01
ENSG000002869	7	885485	885989	+ LINC0384	havana	processed_pseudo	-0.1241834	2.82E-01	-0.0822274	3.98E-01	-0.1538931	4.39E-01	-0.1559223	4.37E-01	0.1728119	3.11E-01	-0.1336897	6.96E-01	-0.1424794	3.24E-01
ENSG000002845	5	14136232	141512979	+ PCDG6A5	havana	processed_pseudo	-0.1564787	6.90E-01	-0.071295	6.93E-01	-0.0017269	9.95E-01	-0.1552828	4.37E-01	0.0502812	8.87E-01	-0.1007374	5.97E-01	-0.07374	5.97E-01
ENSG000002897	11	4532626	4532264	+ C12P27	havana	processed_pseudo	-0.0504777	7.42E-01	-0.0220788	8.76E-01	-0.1400574	4.25E-01	-0.155974	4.37E-01	0.0955338	4.92E-01	-0.0928942	8.64E-01	-0.0899423	5.37E-01
ENSG000002898	2	10281238	10281238	+ LINC0120P	havana	processed_pseudo	-0.0781271	3.16E-01	-0.0781271	3.16E-01	-0.0781271	3.16E-01	-0.0781271	3.16E-01	-0.0781271	3.16E-01	-0.0781271	3.16E-01	-0.0781271	3.16E-01
ENSG000002881	9	10154512	10185400	+ BBA1	havana	processed_pseudo	-0.1704834	1.38E-01	-0.0505558	7.56E-01	-0.1072011	7.39E-01	-0.155991	4.37E-01	0.1681515	9.44E-01	-0.0488991	2.42E-01	-0.137388	4.80E-01
ENSG000002862	16	2860349	2862925	+ SULT1A1	havana	processed_pseudo	-0.1061739	9.27E-01	-0.053217	8.08E-01	-0.3571148	6.70E-01	-0.156034	4.37E-01	0.0321139	8.17E-01	-0.0927469	2.29E-01	-0.0284889	8.44E-01
ENSG000002876	11	13131899	13131865	+ LINC0191P	havana	processed_pseudo	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01
ENSG000002874	2	7324748	7325062	+ AC02909.4	havana	processed_pseudo	-0.1117734	3.33E-01	-0.085247	8.34E-01	-0.1745777	3.84E-01	-0.1561922	4.37E-01	0.1022436	2.22E-01	-0.1262749	6.33E-01	-0.0302702	8.71E-01
ENSG000002894	1	20603137	20602247	+ FCMR	havana	processed_pseudo	-0.1742313	1.30E-01	-0.1164477	2.07E-01	-0.082022	6.81E-01	-0.1562023	4.37E-01	0.2197347	1.10E-01	-0.0749688	7.34E-01	-0.022137	8.78E-01
ENSG000002895	11	13131899	13131865	+ LINC0191P	havana	processed_pseudo	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01	-0.0928127	6.14E-01
ENSG000002897	17	1863427	1864427	+ TRIM28	havana	processed_pseudo	-0.1375235	2.31E-01	-0.0400352	9.54E-01	-0.1392911	4.88E-01	-0.1561442	4.37E-01	0.2197347	1.10E-01	-0.0749688	7.34E-01	-0.022137	8.78E-01
ENSG000002895	11	8988683	8991381	+ MGF6B	havana	processed_pseudo	-0.278706	1.41E-01	-0.1044551	2.39E-01	-0.2213746	2.80E-01	-0.1561601	4.37E-01	0.163425	8.66E-01	-0.26893	2.58E-01	-0.22636	1.44E-01
ENSG000002895	12	10944510	10944749	+ AC02701.7	havana	processed_pseudo	-0.2534225	2.88E-01	-0.179994	1.91E-01	-0.239466	2.28E-01	-0.1561712	4.37E-01	0.2609138	2.90E-01	-0.162086	2.90E-01	-0.20786	1.48E-01
ENSG000002898	2	13130546	13130546	+ LINC0191P	havana	processed_pseudo	-0.1560828	1.74E-01	-0.1560828	1.74E-01	-0.1560828	1.74E-01	-0.1560828	1.74E-01	-0.1560828	1.74E-01	-0.1560828	1.74E-01	-0.1560828	1.74E-01
ENSG000002841	1	13495239	13495288	+ AC10461.1	havana	processed_pseudo	-0.065587	5.71E-01	-0.0600248	5.97E-01	-0.1382627	8.91E-01	-0.1561808	4.37E-01	0.1717049	2.14E-01	-0.0421894	1.86E-01	-0.1181534	6.21E-01
ENSG000002828	6	13549742	13581390	+ LINC0191P	havana	processed_pseudo	-0.0529013	7.24E-01	-0.0202588	9.99E-01	-0.4003344	3.88E-01	-0.1561808	4.37E-01	0.1474423	1.09E-01	-0.102555	6.32E-01	-0.250499	4.98E-01
ENSG000002865	21	8125354	8125382	+ PRF1120.10	havana	transcribed_unit	-0.0124676	1.00E-01	-0.0124676	1.00E-01	-0.0124676	1.00E-01	-0.0124676	1.00E-01	-0.0124676	1.00E-01	-0.0124676	1.00E-01	-0.0124676	1.00E-01
ENSG000002802	10	437951																		

Table with 20 columns: Gene ID, Chr, Start, End, Strand, Feature, Gene Name, RefSeq ID, RefSeq Description, RefSeq Type, RefSeq Status, RefSeq Date, RefSeq Version, RefSeq Accession, RefSeq URL, RefSeq Length, RefSeq Date, RefSeq Version, RefSeq Accession, RefSeq URL, RefSeq Length. The table lists various genes and their associated genomic data.

ENSG0000027907	19	51119250	55120383	AC00237.3	havana	processed_pseudo			YES	-0.0811733	4.83E-01	-0.0279877	8.47E-01	0.2207221	2.69E-01	-0.1693993	3.98E-01	-0.162179	2.39E-01	-0.0003128	9.99E-01	0.10736242	4.58E-01
ENSG0000024197	1	11284821	11287773	LOC101937	havana	transcribed_unprocessed_pseudo			YES	-0.1791033	2.32E-01	-0.0719889	6.19E-01	0.0687889	7.48E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027737	1	17478174	17724419	PTM7	havana	transcribed_unprocessed_pseudo			YES	-0.1486979	3.06E-01	-0.0719889	6.19E-01	0.0687889	7.48E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000028635	8	130352787	13036241	AC103191.1	havana	transcribed_unprocessed_pseudo			YES	-0.1439004	2.44E-01	-0.0276699	5.21E-01	0.03631003	8.57E-01	-0.1664238	3.98E-01	-0.1907794	0.88E-01	-0.2007797	3.11E-01	-0.0082664	9.97E-01
ENSG0000011923	1	8634273	86355376	LOC101937	havana	transcribed_unprocessed_pseudo			YES	-0.140999	2.21E-01	-0.0489442	7.36E-01	0.0317803	8.75E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000017882	1	16555469	16555471	LOC101937	havana	transcribed_unprocessed_pseudo			YES	-0.140999	2.21E-01	-0.0489442	7.36E-01	0.0317803	8.75E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000015801	12	854881	856713	AC02974.1	havana	transcribed_unprocessed_pseudo			YES	-0.140999	2.21E-01	-0.0489442	7.36E-01	0.0317803	8.75E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000012056	6	1498137	14984339	LRP11	transcribed_unprocessed_pseudo				YES	-0.1231743	2.86E-01	-0.0725726	6.34E-01	0.0379358	8.58E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000017129	1	16555469	16555471	LOC101937	havana	transcribed_unprocessed_pseudo			YES	-0.140999	2.21E-01	-0.0489442	7.36E-01	0.0317803	8.75E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000023845	6	6395720	6395844	USP58P2	transcribed_unprocessed_pseudo				YES	-0.0992312	3.59E-01	-0.0510429	4.72E-01	0.1344870	5.04E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000025756	12	5651300	5651703	HSPD3A	transcribed_unprocessed_pseudo				YES	-0.0734596	5.73E-01	-0.057520	6.02E-01	0.0934543	6.42E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000025968	20	21124723	21125137	LOC102069	transcribed_unprocessed_pseudo				YES	-0.067729	5.86E-01	-0.0681339	6.36E-01	0.256469	4.27E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000026069	16	7823542	7824189	WV0X.A5	transcribed_unprocessed_pseudo				YES	-0.0695648	1.62E-01	-0.093173	7.87E-01	0.1664095	1.80E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000019825	4	5717016	5717489	SYT1	transcribed_unprocessed_pseudo				YES	-0.1123234	3.11E-01	-0.1675315	3.13E-01	0.0993440	6.27E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027400	22	2138374	2139478	RIMPBP3	transcribed_unprocessed_pseudo				YES	-0.0710819	5.39E-01	0.0084139	9.54E-01	0.015551	9.54E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000014660	10	8419437	8421921	CDH1	transcribed_unprocessed_pseudo				YES	-0.179222	1.30E-01	-0.0552394	5.15E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01	-0.0072158	9.98E-01
ENSG0000010008	7	1137035	1137158	LOC101937	transcribed_unprocessed_pseudo				YES	-0.20955	7.27E-01	-0.1246998	3.84E-01	0.047520	8.14E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000015517	11	6673869	6674074	AP024.4	transcribed_unprocessed_pseudo				YES	-0.2062174	2.79E-01	-0.1002013	2.46E-01	0.2834842	2.95E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027455	7	1133627	1133763	PABPC1P5	transcribed_unprocessed_pseudo				YES	-0.161829	1.60E-01	-0.132782	3.60E-01	-0.1270673	5.28E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000025623	4	14334460	14334335	MIR1319	transcribed_unprocessed_pseudo				YES	-0.0898904	3.92E-01	-0.1144493	3.61E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01	-0.0072158	9.98E-01
ENSG0000025968	20	21124723	21125137	LOC102069	transcribed_unprocessed_pseudo				YES	-0.067729	5.86E-01	-0.0681339	6.36E-01	0.256469	4.27E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027826	9	21628922	21628954	AC00999.1	transcribed_unprocessed_pseudo				YES	-0.023367	4.47E-01	-0.069681	9.62E-01	0.29268	1.58E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000026868	11	66514306	6651970	AP027.8	transcribed_unprocessed_pseudo				YES	-0.1727868	1.23E-01	-0.132947	3.49E-01	0.0652804	7.46E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000014994	10	5393144	5393211	PCID7	transcribed_unprocessed_pseudo				YES	-0.129952	2.68E-01	-0.046483	2.51E-01	0.248486	1.84E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027883	10	1487788	1487866	AC096.4	transcribed_unprocessed_pseudo				YES	-0.113474	3.06E-01	-0.1874	3.91E-01	0.225788	2.57E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000012033	6	3514258	3514281	PPAD	transcribed_unprocessed_pseudo				YES	-0.121656	1.88E-01	-0.1187891	1.49E-01	0.2886946	1.39E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG000001052	2	22702714	22704453	CD4A	transcribed_unprocessed_pseudo				YES	-0.204848	7.40E-01	-0.091613	7.29E-01	0.139578	4.88E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000019868	1	1829952	1829958	MPF	transcribed_unprocessed_pseudo				YES	-0.1234604	3.19E-01	-0.1234604	3.19E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01	-0.0072158	9.98E-01
ENSG0000025884	1	11065360	11065740	AL3036.1	transcribed_unprocessed_pseudo				YES	-0.289131	3.01E-01	-0.243034	8.98E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01	-0.0072158	9.98E-01
ENSG0000027908	1	16972240	16974705	SEI1	transcribed_unprocessed_pseudo				YES	-0.199426	8.21E-01	-0.0720556	6.19E-01	-0.197756	3.28E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027689	1	20411230	20411236	LOC102069.2	transcribed_unprocessed_pseudo				YES	-0.199426	8.21E-01	-0.0720556	6.19E-01	-0.197756	3.28E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000028002	7	8207019	8207437	transcribed_unprocessed_pseudo					YES	-0.130321	2.58E-01	-0.093449	5.71E-01	0.2389814	2.33E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000012910	19	1172346	1180332	S1PR4	transcribed_unprocessed_pseudo				YES	-0.09229	4.75E-01	-0.117657	3.62E-01	-0.182723	3.61E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000024725	1	2089517	2089517	LOC102069.1	transcribed_unprocessed_pseudo				YES	-0.2089517	4.41E-01	-0.2089517	4.41E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01	-0.0072158	9.98E-01
ENSG0000023024	16	1815886	1817931	PNP4R	transcribed_unprocessed_pseudo				YES	-0.169589	5.94E-01	-0.093905	4.13E-01	0.0508481	3.98E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000011251	6	5430789	5430942	TINAG	transcribed_unprocessed_pseudo				YES	-0.083966	7.40E-01	-0.077884	8.48E-01	0.3662143	1.97E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000029848	18	4816209	4818425	AC103191.2	transcribed_unprocessed_pseudo				YES	-0.143809	2.42E-01	-0.091489	8.96E-01	0.135722	4.29E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027744	12	2381920	2382324	LOC102069.1	transcribed_unprocessed_pseudo				YES	-0.143809	2.42E-01	-0.091489	8.96E-01	0.135722	4.29E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000010174	10	4433703	4433128	R3DM4D	transcribed_unprocessed_pseudo				YES	-0.241977	1.43E-01	-0.144499	3.48E-01	-0.128484	1.92E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.0889664	6.81E-01	-0.0072158	9.98E-01
ENSG0000027406	1	14632134	14640147	SEC28AP	transcribed_unprocessed_pseudo				YES	-0.241255	3.48E-01	-0.1959729	1.65E-01	0.0584143	7.78E-01	-0.1694096	3.98E-01	-0.1570776	1.17E-01	0.088			

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as AC01944.2, AC01945.1, AC01946.1, etc., with associated genomic data.

ENSG0000025367	11	3881320	3881211	AC17256.2	havana	lncRNA	YES	-0.100049	3.87E-01	0.00026628	9.99E-01	0.03617741	8.58E-01	-0.1766643	3.78E-01	-0.2042307	1.39E-01	-0.1388091	3.73E-01	-0.0579978	6.89E-01
ENSG0000024254	8	5648507	5650513	AC021349.1	havana	lncRNA	YES	-0.092926	4.23E-01	0.07858613	5.97E-01	0.0107935	9.57E-01	-0.1767513	3.78E-01	-0.2626283	5.54E-01	-0.1952739	3.71E-01	0.0174889	9.04E-01
ENSG0000024461	12	11898154	11916301	SRMM4	ensembl	transcribed_unannotated_gene	YES	-0.1131729	7.03E-01	0.02413776	2.21E-01	0.2441266	7.92E-01	-0.1656129	3.78E-01	-0.1526636	1.69E-01	-0.1526636	1.69E-01	-0.1526636	1.69E-01
ENSG000002194	8	8134357	8135962	SIC02091.1	havana	unprocessed_pseudogene	NO	-0.1907879	8.63E-01	-0.1909992	1.83E-01	-0.1979338	5.18E-01	-0.1766889	3.78E-01	-0.2527153	5.52E-01	-0.1309433	6.17E-01	-0.0110018	4.99E-01
ENSG0000025079	10	60400117	60408410	LOC101927.2	havana	lncRNA	YES	-0.2221478	7.77E-01	0.0004879	9.49E-01	0.0098138	8.07E-01	-0.1766889	3.78E-01	-0.2944838	6.07E-01	-0.1766889	3.78E-01	-0.1766889	3.78E-01
ENSG0000022035	2	20027410	20117062	MA02101.A5.1	havana	transcript_tag	NO	-0.030981	7.65E-01	-0.1790208	3.80E-01	-0.1688489	5.62E-01	-0.1766889	3.78E-01	-0.260665	8.60E-01	-0.0731443	5.00E-01	-0.0731443	5.00E-01
ENSG0000013376	11	86441108	86627236	MEI	ensembl	transcribed_unannotated_gene	YES	-0.1794454	1.18E-01	-0.080886	5.73E-01	-0.3421454	8.07E-01	-0.1767818	3.78E-01	-0.2729144	4.98E-01	-0.1176288	5.93E-01	-0.144721	3.16E-01
ENSG0000014939	12	12425031	12446463	LOC102048	havana	lncRNA	YES	-0.112128	7.77E-01	0.0004879	9.49E-01	0.0098138	8.07E-01	-0.1766889	3.78E-01	-0.2527153	5.52E-01	-0.1309433	6.17E-01	-0.0110018	4.99E-01
ENSG0000015070	12	65050626	65112035	WFI1	ensembl	transcribed_unannotated_gene	YES	-0.2306225	6.00E-01	-0.0892183	5.42E-01	-0.1526526	4.36E-01	-0.1767983	3.78E-01	-0.3070395	3.93E-01	-0.1625609	5.39E-01	-0.1625609	5.39E-01
ENSG0000011482	17	42900797	42914438	IGFPC	ensembl	transcribed_unannotated_gene	YES	-0.1120465	3.32E-01	-0.0189621	8.96E-01	-0.2505998	2.08E-01	-0.1767868	3.78E-01	-0.2059411	1.35E-01	-0.0212747	9.16E-01	-0.0212747	9.16E-01
ENSG0000015469	14	22796662	22797246	OCAL1	ensembl	transcribed_unannotated_gene	YES	-0.2306225	6.00E-01	-0.0892183	5.42E-01	-0.1526526	4.36E-01	-0.1767983	3.78E-01	-0.3070395	3.93E-01	-0.1625609	5.39E-01	-0.1625609	5.39E-01
ENSG0000027274	20	507185	508587	ALG5454.1	havana	lncRNA	YES	-0.1569972	8.74E-01	-0.0543887	7.09E-01	-0.1720055	3.90E-01	-0.1767971	3.78E-01	-0.1919077	4.07E-01	-0.1390833	5.57E-01	-0.0744721	3.92E-01
ENSG0000025556	8	47183736	47183774	NPM1P49	havana	processed_pseudogene	NO	-0.1562138	1.75E-01	-0.1137737	4.32E-01	-0.00507129	9.80E-01	-0.176882	3.77E-01	-0.23287	8.96E-01	-0.0893526	6.55E-01	-0.0288319	8.45E-01
ENSG0000021786	6	14884294	14888652	EGF01.A51	havana	lncRNA	NO	-0.1041831	3.67E-01	-0.0737764	6.14E-01	-0.153667	4.15E-01	-0.1768884	3.77E-01	-0.1747979	2.87E-01	-0.0717885	7.45E-01	-0.121272	3.79E-01
ENSG0000027491	14	22796662	22797246	OCAL1	ensembl	transcribed_unannotated_gene	YES	-0.2306225	6.00E-01	-0.0892183	5.42E-01	-0.1526526	4.36E-01	-0.1767983	3.78E-01	-0.3070395	3.93E-01	-0.1625609	5.39E-01	-0.1625609	5.39E-01
ENSG0000024852	4	15042465	15042842	AC09261.1	havana	processed_pseudogene	NO	-0.129775	2.67E-01	-0.0626526	6.48E-01	-0.2390522	2.30E-01	-0.1768995	3.77E-01	-0.2067339	1.34E-01	-0.1420541	9.00E-01	-0.069602	6.31E-01
ENSG0000017671	15	84602086	84627796	ZSCAN2	ensembl	transcribed_unannotated_gene	YES	-0.129775	2.67E-01	-0.0626526	6.48E-01	-0.2390522	2.30E-01	-0.1768995	3.77E-01	-0.2067339	1.34E-01	-0.1420541	9.00E-01	-0.069602	6.31E-01
ENSG0000025516	10	60400117	60408410	LOC101927.2	havana	lncRNA	YES	-0.112128	7.77E-01	0.0004879	9.49E-01	0.0098138	8.07E-01	-0.1766889	3.78E-01	-0.2527153	5.52E-01	-0.1309433	6.17E-01	-0.0110018	4.99E-01
ENSG0000012051	4	157204182	157366075	GRIA2	ensembl	transcribed_unannotated_gene	YES	-0.0895765	5.59E-01	-0.0697854	6.09E-01	-0.1689794	5.24E-01	-0.1768734	3.77E-01	-0.088187	5.96E-01	-0.191343	5.47E-01	-0.0907074	6.04E-01
ENSG0000020144	5	72051818	72031276	AC01287.2	havana	unprocessed_pseudogene	NO	-0.1455924	3.11E-01	-0.0427093	7.72E-01	-0.1216353	5.41E-01	-0.1768884	3.77E-01	-0.2304699	9.36E-01	-0.0591996	7.12E-01	-0.075704	9.01E-01
ENSG0000020399	17	42901245	42906625	AC07171.2	havana	lncRNA	YES	-0.2306225	6.00E-01	-0.0892183	5.42E-01	-0.1526526	4.36E-01	-0.1767983	3.78E-01	-0.3070395	3.93E-01	-0.1625609	5.39E-01	-0.1625609	5.39E-01
ENSG0000027164	3	18143499	18143497	AC09098.1	havana	lncRNA	NO	-0.244154	2.02E-01	-0.235777	1.19E-01	-0.192338	3.36E-01	-0.1770066	3.77E-01	-0.3231023	7.10E-01	-0.1542978	4.82E-01	-0.0349883	8.33E-01
ENSG0000014044	15	27754875	28099115	DCA2	ensembl	transcribed_unannotated_gene	YES	-0.2153376	6.00E-01	-0.1875231	3.95E-01	-0.1710251	3.49E-01	-0.1710251	3.49E-01	-0.3061429	7.41E-01	-0.16268	4.88E-01	-0.1843669	2.03E-01
ENSG0000014877	4	75041489	75240489	GSDP9	ensembl	transcribed_unannotated_gene	YES	-0.0749939	5.17E-01	-0.0289761	6.94E-01	-0.1054905	6.06E-01	-0.1770209	3.77E-01	-0.0485724	7.49E-01	-0.151172	4.89E-01	-0.0074793	9.60E-01
ENSG0000024434	9	19514678	195147003	INV319P	ensembl	transcribed_unannotated_gene	YES	-0.0924194	4.24E-01	-0.1212151	3.95E-01	-0.0273824	8.85E-01	-0.1770224	3.77E-01	-0.1044113	5.42E-01	-0.1222748	9.56E-01	-0.033928	9.24E-01
ENSG0000016017	19	921581	975939	ARBP4	ensembl	transcribed_unannotated_gene	YES	-0.1646829	8.55E-01	-0.0620389	6.69E-01	-0.1770377	3.77E-01	-0.0350580	8.88E-01	-0.016004	8.01E-01	-0.0050489	8.80E-01	-0.0050489	8.80E-01
ENSG0000014158	18	2358134	23580626	CPK4	ensembl	transcribed_unannotated_gene	YES	-0.1502425	9.75E-01	-0.1740984	2.30E-01	-0.3023447	1.25E-01	-0.1770899	3.77E-01	-0.238456	5.50E-01	-0.2249738	3.04E-01	-0.088329	7.98E-01
ENSG0000027001	12	65050626	65112035	WFI1	ensembl	transcribed_unannotated_gene	YES	-0.2306225	6.00E-01	-0.0892183	5.42E-01	-0.1526526	4.36E-01	-0.1767983	3.78E-01	-0.3070395	3.93E-01	-0.1625609	5.39E-01	-0.1625609	5.39E-01
ENSG0000013446	12	5747717	5756013	NCX	ensembl	transcribed_unannotated_gene	YES	-0.1822275	1.13E-01	-0.1219008	1.21E-01	-0.1710101	3.77E-01	-0.178865	3.76E-01	-0.1917371	4.33E-01	-0.0089839	5.23E-01	-0.0089839	5.23E-01
ENSG0000021063	7	14234917	14234964	TRFV2	havana	TR V gene	NO	-0.138753	2.53E-01	-0.1248373	3.88E-01	-0.00877	9.65E-01	-0.1774438	3.77E-01	-0.2606652	5.67E-01	-0.0815171	7.24E-01	-0.2484774	8.64E-01
ENSG0000015699	14	12387807	12386211	AC01882.2	havana	lncRNA	NO	-0.2089938	1.97E-01	-0.0737628	6.65E-01	-0.1486123	4.84E-01	-0.1768884	3.77E-01	-0.2606652	5.67E-01	-0.0815171	7.24E-01	-0.2484774	8.64E-01
ENSG0000021439	8	11428207	11429339	AC00480.1	havana	lncRNA	NO	-0.0381129	7.42E-01	-0.1496511	4.57E-01	-0.1771556	3.77E-01	-0.078215	5.67E-01	-0.0901099	5.90E-01	-0.078215	5.67E-01	-0.0901099	5.90E-01
ENSG0000020213	16	8101679	8103579	AC07371.2	havana	lncRNA	NO	-0.0785833	4.97E-01	-0.0089786	9.55E-01	-0.0191358	9.26E-01	-0.1771557	3.77E-01	-0.1764025	2.46E-01	-0.0610909	9.39E-01	-0.0515371	9.14E-01
ENSG0000025791	9	48400279	48400279	AC00000.1	havana	lncRNA	YES	-0.112128	7.77E-01	0.0004879	9.49E-01	0.0098138	8.07E-01	-0.1766889	3.78E-01	-0.2527153	5.52E-01	-0.1309433	6.17E-01	-0.0110018	4.99E-01
ENSG0000025929	22	5073525	5078139	AC00000.1	havana	lncRNA	YES	-0.1589881	5.63E-01	-0.0957878	5.08E-01	-0.2342856	2.16E-01	-0.1771377	3.77E-01	-0.3254451	1.65E-01	-0.0800589	7.15E-01	-0.1771377	3.77E-01
ENSG0000025999	1	6985529	6146278	INF1A	ensembl	transcribed_unannotated_gene	YES	-0.244281	3.20E-01	-0.2020536	1.19E-01	-0.1066227	4.44E-01	-0.177233	3.76E-01	-0.284129	1.71E-01	-0.121883	3.21E-01	-0.178307	2.16E-01
ENSG0000027419	7	14239278	14239473	TRFV1	havana	TR V gene	NO	-0.1988399	8.37E-01	-0.1877989	4.58E-01	-0.1591111	9.62E-01	-0.1774438	3.76E-01	-0.2606652	5.67E-01	-0.0815171	7.24E-01	-0.2484774	8.64E-01
ENSG0000013361	3	3113186	31291214	AC01571.2	havana	lncRNA	YES	-0.1070242	5.19E-01	-0.013455	6.19E-01	-0.0272924	8.31E-01	-0.1772924	3.76E-01	-0.0415318	5.95E-01	-0.0415318	5.95E-01	-0.0415318	5.95E-01
ENSG0000024239	3	17939861	17939911	AC07026.2	havana	lncRNA	NO	-0.1111392	9.23E-01	-0.1005717	9.07E-01	-0.1041698	8.96E-01	-0.1773054	3.76E-01	-0.101021	4.84E-01	-0.0402346	5.84E-01	-0.1182617	3.99E-01
ENSG0000024398	11	162959	1623138	TRFV5.4	ensembl	transcribed_unannotated_gene	YES	-0.1416688	2.19E-01	-0.1499789	2.99E-01	-0.2887482	1.44E-01	-0.1773103	3.76E-01	-0.1909294	1.67E-01	-0.1545658	6.01E-01	-0.0878220	5.46E-01
ENSG0000025047	12	65050626	65112035	WFI1	ensembl	transcribed_unannotated_gene	YES	-0.2306225	6.00E-01	-0.0892183	5.42E-01	-0.1526526	4.36E-01	-0.1767983	3.78E-01	-0.3070395	3.93E-01	-0.1625609			

ENSG0000024151	18	2733956	2739564	AC090401.1	havana	incRNA	YES	YES	-0.189673	9.86e-02	-0.181785	3.04e-01	0.1176857	5.99e-01	-0.1861748	3.52e-01	0.265482	3.22e-02	-0.1244297	5.72e-01	0.0018905	9.89e-01
ENSG0000024152	18	10174615	10176888	AC092626.1	havana	incRNA	YES	YES	-0.184813	1.08e-01	-0.099317	4.91e-01	0.1927747	8.47e-01	-0.1862031	3.52e-01	0.2525704	6.54e-02	-0.489214	2.52e-01	0.119082	1.84e-01
ENSG0000024153	18	9244700	9244799	PW819.1	havana	transcribed unproc	NO	NO	-0.186270	2.37e-01	-0.186270	2.37e-01	0.1176857	5.99e-01	-0.186270	2.37e-01	0.1176857	5.99e-01	-0.186270	2.37e-01	0.1176857	5.99e-01
ENSG0000024154	18	6496550	6497576	AMZP23.1	havana	transcribed unproc	YES	YES	-0.120817	2.07e-01	-0.094244	6.87e-01	0.1067250	7.99e-01	-0.1862339	3.52e-01	0.2222024	1.06e-01	-0.0735705	7.33e-01	0.0224339	8.77e-01
ENSG0000024155	18	9170001	9170001	AC091413.1	havana	transcribed unproc	NO	NO	-0.186270	2.37e-01	-0.186270	2.37e-01	0.1176857	5.99e-01	-0.186270	2.37e-01	0.1176857	5.99e-01	-0.186270	2.37e-01	0.1176857	5.99e-01
ENSG0000024156	18	6707001	6709865	RFMAP11.1	havana	protein coding	YES	YES	-0.066920	8.18e-01	-0.184656	1.99e-01	0.1110734	5.81e-01	-0.1862339	3.52e-01	0.1313846	3.86e-01	-0.020931	9.42e-01	0.0679204	6.77e-01
ENSG0000024157	18	5179138	5179239	AC100143.1	havana	transcribed unproc	NO	NO	-0.088028	4.47e-01	-0.043993	7.62e-01	0.2317379	2.41e-01	-0.186270	2.37e-01	0.1672707	2.27e-01	-0.1746396	9.26e-01	0.0596867	7.00e-01
ENSG0000024158	18	2038771	2038785	CTLA4	havana	protein coding	YES	YES	-0.026943	5.79e-01	-0.059619	5.31e-01	0.2875094	1.46e-01	-0.1862339	3.52e-01	0.1163677	0.05052	-0.0397472	9.05e-01	0.0597472	9.41e-01
ENSG0000024159	18	4703272	4703621	ELO2	havana	protein coding	YES	YES	-0.171288	1.36e-01	-0.102699	4.78e-01	0.1767699	3.78e-01	-0.1862339	3.52e-01	0.254518	6.38e-02	-0.132843	5.46e-01	0.161811	2.12e-01
ENSG0000024160	18	9152136	9154025	LINC0315.1	havana	incRNA	YES	YES	-0.105818	1.87e-01	-0.099256	1.64e-01	0.2448883	2.11e-01	-0.1862339	3.52e-01	0.223707	1.97e-01	-0.270703	1.07e-01	0.0274089	6.05e-01
ENSG0000024161	18	15298533	15299243	MGAT3B	havana	protein coding	YES	YES	-0.131804	0.80e-01	-0.131804	0.80e-01	0.1952472	3.29e-01	-0.1862444	3.52e-01	0.1624837	2.44e-02	-0.1624837	9.41e-01	0.131998	4.09e-01
ENSG0000024162	18	4954881	4954783	ZFYR2.1	havana	incRNA	YES	YES	-0.148942	3.20e-01	-0.180326	8.16e-01	0.0888546	6.60e-01	-0.1862477	3.52e-01	0.2055882	1.36e-01	-0.1920214	4.13e-01	-0.1405761	3.30e-01
ENSG0000024163	18	96120479	96121166	BDNFB2	havana	protein coding	YES	YES	-0.170272	5.54e-01	-0.0480209	7.41e-01	0.1962172	1.50e-01	-0.1862167	3.52e-01	0.2411794	5.11e-02	-0.1219264	5.68e-01	0.0212964	1.40e-01
ENSG0000024164	18	6134992	6134944	LINC00137	havana	incRNA	YES	YES	-0.149419	1.41e-01	-0.149419	1.41e-01	0.2026601	3.01e-01	-0.1862167	3.52e-01	0.1836651	3.52e-01	-0.1329676	5.58e-01	0.178923	2.30e-01
ENSG0000024165	18	10496316	10498312	LINC28	havana	incRNA	YES	YES	-0.197901	8.45e-02	-0.197901	8.45e-02	0.1303438	5.17e-01	-0.1862167	3.52e-01	0.2578899	7.91e-01	-0.209588	3.37e-01	-0.1854376	1.97e-01
ENSG0000024166	18	14395791	14427407	AL117071.1	havana	transcribed unproc	NO	NO	-0.1773404	1.23e-01	-0.1194627	4.09e-01	0.2001254	9.95e-01	-0.1862167	3.52e-01	0.2513999	6.67e-02	-0.1584086	4.70e-01	0.0603184	6.77e-01
ENSG0000024167	18	1895325	1895449	AC092081.1	havana	transcribed unproc	NO	NO	-0.1862339	3.52e-01	-0.1862339	3.52e-01	0.1952472	3.29e-01	-0.1862339	3.52e-01	0.2319877	1.94e-01	-0.1727744	5.46e-01	0.0277774	6.12e-01
ENSG0000024168	18	2441013	2441469	AL036111.1	havana	transcribed unproc	NO	NO	-0.151845	1.87e-01	-0.092212	3.51e-01	0.1438307	4.74e-01	-0.1862339	3.52e-01	0.2328183	8.55e-02	-0.1402914	5.17e-01	0.0100175	9.45e-01
ENSG0000024169	18	9152136	9154025	LINC0315.1	havana	incRNA	YES	YES	-0.20895	1.00e-01	-0.199956	1.64e-01	0.2448883	2.11e-01	-0.1862339	3.52e-01	0.223707	1.97e-01	-0.270703	1.07e-01	0.0274089	6.05e-01
ENSG0000024170	18	15298533	15299243	MGAT3B	havana	protein coding	YES	YES	-0.131804	0.80e-01	-0.131804	0.80e-01	0.1952472	3.29e-01	-0.1862444	3.52e-01	0.1624837	2.44e-02	-0.1624837	9.41e-01	0.131998	4.09e-01
ENSG0000024171	18	4954881	4954783	ZFYR2.1	havana	incRNA	YES	YES	-0.148942	3.20e-01	-0.180326	8.16e-01	0.0888546	6.60e-01	-0.1862477	3.52e-01	0.2055882	1.36e-01	-0.1920214	4.13e-01	-0.1405761	3.30e-01
ENSG0000024172	18	96120479	96121166	BDNFB2	havana	protein coding	YES	YES	-0.170272	5.54e-01	-0.0480209	7.41e-01	0.1962172	1.50e-01	-0.1862167	3.52e-01	0.2411794	5.11e-02	-0.1219264	5.68e-01	0.0212964	1.40e-01
ENSG0000024173	18	6134992	6134944	LINC00137	havana	incRNA	YES	YES	-0.149419	1.41e-01	-0.149419	1.41e-01	0.2026601	3.01e-01	-0.1862167	3.52e-01	0.1836651	3.52e-01	-0.1329676	5.58e-01	0.178923	2.30e-01
ENSG0000024174	18	10496316	10498312	LINC28	havana	incRNA	YES	YES	-0.197901	8.45e-02	-0.197901	8.45e-02	0.1303438	5.17e-01	-0.1862167	3.52e-01	0.2578899	7.91e-01	-0.209588	3.37e-01	-0.1854376	1.97e-01
ENSG0000024175	18	14395791	14427407	AL117071.1	havana	transcribed unproc	NO	NO	-0.1773404	1.23e-01	-0.1194627	4.09e-01	0.2001254	9.95e-01	-0.1862167	3.52e-01	0.2513999	6.67e-02	-0.1584086	4.70e-01	0.0603184	6.77e-01
ENSG0000024176	18	1895325	1895449	AC092081.1	havana	transcribed unproc	NO	NO	-0.1862339	3.52e-01	-0.1862339	3.52e-01	0.1952472	3.29e-01	-0.1862339	3.52e-01	0.2319877	1.94e-01	-0.1727744	5.46e-01	0.0277774	6.12e-01
ENSG0000024177	18	2441013	2441469	AL036111.1	havana	transcribed unproc	NO	NO	-0.151845	1.87e-01	-0.092212	3.51e-01	0.1438307	4.74e-01	-0.1862339	3.52e-01	0.2328183	8.55e-02	-0.1402914	5.17e-01	0.0100175	9.45e-01
ENSG0000024178	18	9152136	9154025	LINC0315.1	havana	incRNA	YES	YES	-0.20895	1.00e-01	-0.199956	1.64e-01	0.2448883	2.11e-01	-0.1862339	3.52e-01	0.223707	1.97e-01	-0.270703	1.07e-01	0.0274089	6.05e-01
ENSG0000024179	18	15298533	15299243	MGAT3B	havana	protein coding	YES	YES	-0.131804	0.80e-01	-0.131804	0.80e-01	0.1952472	3.29e-01	-0.1862444	3.52e-01	0.1624837	2.44e-02	-0.1624837	9.41e-01	0.131998	4.09e-01
ENSG0000024180	18	4954881	4954783	ZFYR2.1	havana	incRNA	YES	YES	-0.148942	3.20e-01	-0.180326	8.16e-01	0.0888546	6.60e-01	-0.1862477	3.52e-01	0.2055882	1.36e-01	-0.1920214	4.13e-01	-0.1405761	3.30e-01
ENSG0000024181	18	96120479	96121166	BDNFB2	havana	protein coding	YES	YES	-0.170272	5.54e-01	-0.0480209	7.41e-01	0.1962172	1.50e-01	-0.1862167	3.52e-01	0.2411794	5.11e-02	-0.1219264	5.68e-01	0.0212964	1.40e-01
ENSG0000024182	18	6134992	6134944	LINC00137	havana	incRNA	YES	YES	-0.149419	1.41e-01	-0.149419	1.41e-01	0.2026601	3.01e-01	-0.1862167	3.52e-01	0.1836651	3.52e-01	-0.1329676	5.58e-01	0.178923	2.30e-01
ENSG0000024183	18	10496316	10498312	LINC28	havana	incRNA	YES	YES	-0.197901	8.45e-02	-0.197901	8.45e-02	0.1303438	5.17e-01	-0.1862167	3.52e-01	0.2578899	7.91e-01	-0.209588	3.37e-01	-0.1854376	1.97e-01
ENSG0000024184	18	14395791	14427407	AL117071.1	havana	transcribed unproc	NO	NO	-0.1773404	1.23e-01	-0.1194627	4.09e-01	0.2001254	9.95e-01	-0.1862167	3.52e-01	0.2513999	6.67e-02	-0.1584086	4.70e-01	0.0603184	6.77e-01
ENSG0000024185	18	1895325	1895449	AC092081.1	havana	transcribed unproc	NO	NO	-0.1862339	3.52e-01	-0.1862339	3.52e-01	0.1952472	3.29e-01	-0.1862339	3.52e-01	0.2319877	1.94e-01	-0.1727744	5.46e-01	0.0277774	6.12e-01
ENSG0000024186	18	2441013	2441469	AL036111.1	havana	transcribed unproc	NO	NO	-0.151845	1.87e-01	-0.092212	3.51e-01	0.1438307	4.74e-01	-0.1862339	3.52e-01	0.2328183	8.55e-02	-0.1402914	5.17e-01	0.0100175	9.45e-01
ENSG0000024187	18	9152136	9154025	LINC0315.1	havana	incRNA	YES	YES	-0.20895	1.00e-01	-0.199956	1.64e-01	0.2448883	2.11e-01	-0.1862339	3.52e-01	0.223707	1.97e-01	-0.270703	1.07e-01	0.0274089	6.05e-01
ENSG0000024188	18	15298533	15299243	MGAT3B	havana	protein coding	YES	YES	-0.131804	0.80e-01	-0.131804	0.80e-01	0.1952472	3.29e-01	-0.1862444	3.52e-01	0.1624837	2.44e-02	-0.1624837	9.41e-01	0.131998	4.09e-01
ENSG0000024189	18	4954881	4954783	ZFYR2.1	havana	incRNA	YES	YES	-0.148942	3.20e-01	-0.180326	8.16e-01	0.0888546	6.60e-01	-0.1862477	3.52e-01	0.2055882	1.36e-01	-0.1920214	4.13e-01	-0.1405761	3.30e-01
ENSG0000024190	18	96120479	96121166	BDNFB2	havana	protein coding	YES	YES	-0.170272	5.54e-01	-0.0480209	7.41e-01	0.1962172	1.50e-01	-0.1862167	3.52e-01	0.2411794	5.11e-02	-0.1219264	5.68e-01	0.0212964	1.40e-01
ENSG0000024191	18	6134992	6134944	LINC00137	havana																	

ENSG0000017432	1	5150237	5378826	GLIS1	ensembl	havana	protein_coding	YES	YES	-0.180099	8.43E-02	-0.085572	5.53E-01	0.148201	4.61E-01	-0.197601	3.28E-01	-0.309420	2.28E-02	-0.031836	8.10E-02	-0.117507	4.16E-01
ENSG0000017182	4	8261974	8321610	LOC105759	havana	lincRNA	antisense	YES	YES	-0.153884	1.82E-01	-0.073422	6.10E-02	0.195129	3.81E-01	-0.197601	3.28E-01	-0.234516	8.99E-02	-0.118716	6.12E-02	-0.161688	2.62E-01
ENSG00000184012	4	8319176	7131813	CXCL3	havana	mRNA	protein_coding	YES	YES	-0.178205	1.26E-01	-0.103421	2.89E-01	0.195129	3.81E-01	-0.197601	3.28E-01	-0.250749	8.28E-02	-0.136631	5.82E-02	-0.097029	4.62E-01
ENSG00000183734	4	7403889	7403887	CXCL3	havana	mRNA	protein_coding	YES	YES	-0.178205	1.26E-01	-0.103421	2.89E-01	0.195129	3.81E-01	-0.197601	3.28E-01	-0.235472	8.34E-02	-0.118716	6.12E-02	-0.097029	4.62E-01
ENSG00000140889	7	14209136	14209177	NDP4L-AS1	havana	lincRNA	antisense	YES	YES	0.039813	7.08E-01	-0.018886	8.97E-02	0.210770	2.93E-01	-0.197713	3.28E-01	-0.208439	9.49E-02	-0.090057	6.83E-02	-0.045073	8.34E-01
ENSG00000178722	15	15394821	15394814	SPR	havana	mRNA	protein_coding	YES	YES	-0.178205	1.26E-01	-0.103421	2.89E-01	0.195129	3.81E-01	-0.197601	3.28E-01	-0.250749	8.28E-02	-0.136631	5.82E-02	-0.097029	4.62E-01
ENSG00000142938	15	4293910	4294038	PPP4R1A	havana	mRNA	protein_coding	YES	YES	-0.180651	8.47E-02	-0.14159	3.27E-01	0.197451	3.24E-01	-0.197754	3.28E-01	-0.268546	8.06E-02	-0.070866	7.49E-02	-0.141579	8.37E-01
ENSG00000126756	2	6444612	6444668	AC007365.1	havana	lincRNA	antisense	YES	YES	-0.129543	2.61E-01	-0.117335	4.17E-02	0.193248	3.36E-01	-0.197754	3.28E-01	-0.164932	2.33E-01	-0.071049	7.47E-02	-0.127894	8.49E-01
ENSG00000176519	3	6397349	6397352	AC007365.1	havana	lincRNA	antisense	YES	YES	-0.129543	2.61E-01	-0.117335	4.17E-02	0.193248	3.36E-01	-0.197754	3.28E-01	-0.164932	2.33E-01	-0.071049	7.47E-02	-0.127894	8.49E-01
ENSG00000189710	2	13089707	13089812	GTFP	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.162396</td> <td>2.37E-01</td> <td>-0.096254</td> <td>6.53E-01</td> <td>0.193794</td> <td>3.73E-01</td> <td>-0.197942</td> <td>3.28E-01</td> <td>-0.222373</td> <td>1.03E-01</td> <td>-0.058338</td> <td>7.92E-02</td> <td>-0.032805</td> <td>8.49E-01</td>	havana	protein_coding	YES	YES	-0.162396	2.37E-01	-0.096254	6.53E-01	0.193794	3.73E-01	-0.197942	3.28E-01	-0.222373	1.03E-01	-0.058338	7.92E-02	-0.032805	8.49E-01
ENSG00000144642	3	2857479	30010291	BRMS3	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.161075</td> <td>1.51E-01</td> <td>-0.026016</td> <td>8.55E-02</td> <td>0.181139</td> <td>1.13E-01</td> <td>-0.197862</td> <td>3.28E-01</td> <td>-0.347838</td> <td>1.00E-02</td> <td>-0.045776</td> <td>5.07E-02</td> <td>-0.226664</td> <td>1.20E-01</td>	havana	protein_coding	YES	YES	-0.161075	1.51E-01	-0.026016	8.55E-02	0.181139	1.13E-01	-0.197862	3.28E-01	-0.347838	1.00E-02	-0.045776	5.07E-02	-0.226664	1.20E-01
ENSG00000176793	18	4932485	4932483	FKBP1	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.121842</td> <td>2.16E-01</td> <td>-0.142388</td> <td>3.26E-01</td> <td>0.193783</td> <td>3.81E-01</td> <td>-0.197601</td> <td>3.28E-01</td> <td>-0.211208</td> <td>1.07E-01</td> <td>-0.082869</td> <td>2.56E-02</td> <td>-0.026664</td> <td>8.66E-01</td>	havana	protein_coding	YES	YES	-0.121842	2.16E-01	-0.142388	3.26E-01	0.193783	3.81E-01	-0.197601	3.28E-01	-0.211208	1.07E-01	-0.082869	2.56E-02	-0.026664	8.66E-01
ENSG00000178954	15	2888167	2888465	ACT14469.1	havana	lincRNA	antisense	YES	YES	-0.181036	1.17E-01	-0.084889	5.40E-02	0.191803	2.77E-01	-0.197601	3.28E-01	-0.272132	6.63E-02	-0.094776	8.97E-02	-0.149306	1.20E-01
ENSG00000135166	2	23084639	23087928	ITMCG	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.200328</td> <td>2.17E-01</td> <td>-0.145439</td> <td>3.14E-01</td> <td>0.0314378</td> <td>8.76E-01</td> <td>-0.197876</td> <td>3.28E-01</td> <td>-0.199268</td> <td>1.48E-01</td> <td>-0.1294236</td> <td>5.56E-02</td> <td>-0.0823329</td> <td>5.70E-01</td>	havana	protein_coding	YES	YES	-0.200328	2.17E-01	-0.145439	3.14E-01	0.0314378	8.76E-01	-0.197876	3.28E-01	-0.199268	1.48E-01	-0.1294236	5.56E-02	-0.0823329	5.70E-01
ENSG00000127964	12	4857840	4857785	AC007365.1	havana	lincRNA	antisense	YES	YES	-0.200328	2.17E-01	-0.145439	3.14E-01	0.0314378	8.76E-01	-0.197876	3.28E-01	-0.222099	1.07E-01	-0.048369	3.04E-02	-0.104038	4.72E-01
ENSG00000120789	14	6294692	6294819	TRAF3IP1	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.096902</td> <td>5.93E-01</td> <td>-0.05836</td> <td>8.05E-02</td> <td>0.133926</td> <td>2.44E-01</td> <td>-0.197778</td> <td>3.28E-01</td> <td>-0.197176</td> <td>4.89E-01</td> <td>-0.180466</td> <td>4.83E-02</td> <td>-0.018082</td> <td>9.30E-01</td>	havana	protein_coding	YES	YES	-0.096902	5.93E-01	-0.05836	8.05E-02	0.133926	2.44E-01	-0.197778	3.28E-01	-0.197176	4.89E-01	-0.180466	4.83E-02	-0.018082	9.30E-01
ENSG00000186330	7	7428270	7440810	AL333660.1	havana	lincRNA	antisense	YES	YES	-0.20803	7.11E-02	-0.248355	1.16E-01	0.0405396	8.41E-01	-0.197877	3.28E-01	-0.197877	3.28E-01	-0.061803	5.23E-02	-0.061803	6.70E-01
ENSG00000106102	9	1329012	1317157	NFK1	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.105502</td> <td>3.61E-01</td> <td>-0.140784</td> <td>2.85E-02</td> <td>-0.026891</td> <td>9.64E-01</td> <td>-0.197911</td> <td>3.28E-01</td> <td>-0.111384</td> <td>1.44E-02</td> <td>-0.08073</td> <td>9.17E-02</td> <td>-0.003088</td> <td>9.60E-01</td>	havana	protein_coding	YES	YES	-0.105502	3.61E-01	-0.140784	2.85E-02	-0.026891	9.64E-01	-0.197911	3.28E-01	-0.111384	1.44E-02	-0.08073	9.17E-02	-0.003088	9.60E-01
ENSG00000125967	5	3884425	3887700	NRP1	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.182409</td> <td>2.58E-01</td> <td>-0.102167</td> <td>5.88E-02</td> <td>0.241156</td> <td>2.24E-01</td> <td>-0.197977</td> <td>3.28E-01</td> <td>-0.174766</td> <td>8.83E-02</td> <td>-0.091208</td> <td>3.85E-02</td> <td>-0.105051</td> <td>5.77E-01</td>	havana	protein_coding	YES	YES	-0.182409	2.58E-01	-0.102167	5.88E-02	0.241156	2.24E-01	-0.197977	3.28E-01	-0.174766	8.83E-02	-0.091208	3.85E-02	-0.105051	5.77E-01
ENSG00000131591	5	17063158	17068137	KCNIP1-AS1	havana	lincRNA	antisense	YES	YES	-0.182859	3.17E-01	-0.059127	6.89E-02	0.1268827	5.22E-01	-0.197936	3.28E-01	-0.195460	5.66E-02	-0.071691	3.43E-02	-0.0016058	9.91E-01
ENSG00000125179	13	3443540	3446803	LOC100547	havana	lincRNA	antisense	YES	YES	-0.142439	2.17E-01	-0.028487	9.53E-02	0.137044	4.95E-01	-0.197965	3.28E-01	-0.259644	1.58E-01	-0.026139	7.80E-02	-0.114887	8.37E-01
ENSG0000012489	10	7266192	7266786	LOC100547	havana	lincRNA	antisense	YES	YES	-0.142439	2.17E-01	-0.028487	9.53E-02	0.137044	4.95E-01	-0.197965	3.28E-01	-0.259644	1.58E-01	-0.026139	7.80E-02	-0.114887	8.37E-01
ENSG00000123113	5	4952970	4952973	RNU6-51P	ensembl <td>havana</td> <td>sRNA</td> <td>YES</td> <td>YES</td> <td>-0.166234</td> <td>3.58E-01</td> <td>-0.082911</td> <td>5.65E-02</td> <td>-0.07308</td> <td>7.17E-01</td> <td>-0.198009</td> <td>3.28E-01</td> <td>-0.173174</td> <td>2.11E-02</td> <td>-0.070384</td> <td>7.50E-02</td> <td>-0.098561</td> <td>9.46E-01</td>	havana	sRNA	YES	YES	-0.166234	3.58E-01	-0.082911	5.65E-02	-0.07308	7.17E-01	-0.198009	3.28E-01	-0.173174	2.11E-02	-0.070384	7.50E-02	-0.098561	9.46E-01
ENSG00000124744	2	13201015	13201700	AC003787.2	havana	lincRNA	antisense	YES	YES	-0.168345	1.44E-01	-0.112396	3.73E-02	0.120760	2.68E-01	-0.198021	3.28E-01	-0.230751	3.23E-02	-0.145656	3.14E-02	-0.050556	3.14E-01
ENSG00000126267	3	1073950	1074029	LOC100646	havana	lincRNA	antisense	YES	YES	-0.266878	9.49E-02	-0.072576	6.10E-02	0.194123	3.42E-01	-0.198021	3.28E-01	-0.351579	2.26E-02	-0.128620	5.88E-02	-0.169398	2.55E-01
ENSG00000124183	1	2529454	2529464	SNRPB	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.100919</td> <td>3.82E-01</td> <td>-0.032076</td> <td>9.13E-02</td> <td>0.193967</td> <td>1.25E-01</td> <td>-0.198044</td> <td>3.28E-01</td> <td>-0.197138</td> <td>1.53E-01</td> <td>-0.049391</td> <td>8.87E-02</td> <td>-0.148079</td> <td>3.05E-01</td>	havana	protein_coding	YES	YES	-0.100919	3.82E-01	-0.032076	9.13E-02	0.193967	1.25E-01	-0.198044	3.28E-01	-0.197138	1.53E-01	-0.049391	8.87E-02	-0.148079	3.05E-01
ENSG00000123770	5	11277863	11277869	RNU6-48P	ensembl <td>havana</td> <td>sRNA</td> <td>YES</td> <td>YES</td> <td>-0.098299</td> <td>7.97E-01</td> <td>-0.060251</td> <td>4.99E-01</td> <td>0.1880252</td> <td>9.99E-01</td> <td>-0.1980252</td> <td>3.28E-01</td> <td>-0.068468</td> <td>6.27E-02</td> <td>-0.03848</td> <td>2.00E-02</td> <td>-0.03848</td> <td>2.00E-02</td>	havana	sRNA	YES	YES	-0.098299	7.97E-01	-0.060251	4.99E-01	0.1880252	9.99E-01	-0.1980252	3.28E-01	-0.068468	6.27E-02	-0.03848	2.00E-02	-0.03848	2.00E-02
ENSG00000184848	17	1867898	1873613	TRIM61	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.267271</td> <td>1.48E-01</td> <td>-0.102107</td> <td>1.81E-01</td> <td>0.179838</td> <td>3.85E-01</td> <td>-0.198054</td> <td>3.28E-01</td> <td>-0.279277</td> <td>5.09E-02</td> <td>-0.248184</td> <td>2.54E-02</td> <td>-0.224729</td> <td>1.17E-01</td>	havana	protein_coding	YES	YES	-0.267271	1.48E-01	-0.102107	1.81E-01	0.179838	3.85E-01	-0.198054	3.28E-01	-0.279277	5.09E-02	-0.248184	2.54E-02	-0.224729	1.17E-01
ENSG00000186817	1	7128144	7128144	LOC100547	havana	lincRNA	antisense	YES	YES	-0.173238	2.18E-01	-0.147628	3.14E-01	0.174660	4.07E-01	-0.198057	3.28E-01	-0.279277	5.09E-02	-0.248184	2.54E-02	-0.224729	1.17E-01
ENSG00000128171	1	1714315	1710515	AC00664.1	havana	lincRNA	antisense	YES	YES	-0.027709	8.45E-01	-0.080948	5.39E-02	0.181361	1.10E-01	-0.198065	3.28E-01	-0.040527	7.17E-02	-0.137111	5.46E-02	-0.163126	6.37E-01
ENSG00000142048	7	15180449	15181820	AC003881.1	havana	lincRNA	antisense	YES	YES	-0.09202	4.26E-01	-0.055734	7.02E-02	0.1063891	5.98E-01	-0.198086	3.28E-01	-0.189992	1.69E-01	-0.0729035	6.11E-02	-0.0704105	6.37E-01
ENSG00000123401	1	10265123	10265123	LOC100547	havana	lincRNA	antisense	YES	YES	-0.174268	2.18E-01	-0.147628	3.14E-01	0.174660	4.07E-01	-0.198057	3.28E-01	-0.279277	5.09E-02	-0.248184	2.54E-02	-0.224729	1.17E-01
ENSG00000124611	2	22761098	22761855	SCY6A	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.19804</td> <td>2.10E-01</td> <td>-0.179241</td> <td>3.71E-01</td> <td>0.198155</td> <td>1.22E-01</td> <td>-0.198155</td> <td>1.22E-01</td> <td>-0.265123</td> <td>5.19E-02</td> <td>-0.0895139</td> <td>7.65E-02</td> <td>-0.1402193</td> <td>3.11E-01</td>	havana	protein_coding	YES	YES	-0.19804	2.10E-01	-0.179241	3.71E-01	0.198155	1.22E-01	-0.198155	1.22E-01	-0.265123	5.19E-02	-0.0895139	7.65E-02	-0.1402193	3.11E-01
ENSG00000102575	13	1157460	1157908	ACPF	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.110264</td> <td>3.40E-01</td> <td>-0.112438</td> <td>1.40E-01</td> <td>0.1064888</td> <td>1.20E-01</td> <td>-0.198162</td> <td>3.28E-01</td> <td>-0.278169</td> <td>6.97E-02</td> <td>-0.161241</td> <td>4.51E-02</td> <td>-0.0724935</td> <td>6.03E-01</td>	havana	protein_coding	YES	YES	-0.110264	3.40E-01	-0.112438	1.40E-01	0.1064888	1.20E-01	-0.198162	3.28E-01	-0.278169	6.97E-02	-0.161241	4.51E-02	-0.0724935	6.03E-01
ENSG00000124801	1	10125961	10125961	LOC100547	havana	lincRNA	antisense	YES	YES	-0.142439	2.17E-01	-0.028487	9.53E-02	0.137044	4.95E-01	-0.197965	3.28E-01	-0.259644	1.58E-01	-0.026139	7.80E-02	-0.114887	8.37E-01
ENSG00000100275	5	16958356	16960478	SPPL1	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.101936</td> <td>8.56E-01</td> <td>-0.041207</td> <td>7.64E-02</td> <td>0.2146066</td> <td>2.82E-01</td> <td>-0.198123</td> <td>3.28E-01</td> <td>-0.056565</td> <td>6.89E-02</td> <td>-0.1274407</td> <td>6.03E-02</td> <td>-0.0345359</td> <td>8.70E-01</td>	havana	protein_coding	YES	YES	-0.101936	8.56E-01	-0.041207	7.64E-02	0.2146066	2.82E-01	-0.198123	3.28E-01	-0.056565	6.89E-02	-0.1274407	6.03E-02	-0.0345359	8.70E-01
ENSG00000103012	16	1737612	1739720	SPB3	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.282618</td> <td>1.28E-01</td> <td>-0.111612</td> <td>4.40E-02</td> <td>0.283203</td> <td>1.52E-01</td> <td>-0.198230</td> <td>3.28E-01</td> <td>-0.428237</td> <td>1.87E-02</td> <td>-0.488247</td> <td>2.13E-02</td> <td>-0.248184</td> <td>8.79E-01</td>	havana	protein_coding	YES	YES	-0.282618	1.28E-01	-0.111612	4.40E-02	0.283203	1.52E-01	-0.198230	3.28E-01	-0.428237	1.87E-02	-0.488247	2.13E-02	-0.248184	8.79E-01
ENSG00000149266	11	6086762	6087493	SP3	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.202143</td> <td>2.18E-01</td> <td>-0.107161</td> <td>2.32E-01</td> <td>0.199983</td> <td>3.25E-01</td> <td>-0.198230</td> <td>3.28E-01</td> <td>-0.351579</td> <td>2.26E-02</td> <td>-0.128620</td> <td>5.88E-02</td> <td>-0.169398</td> <td>2.55E-01</td>	havana	protein_coding	YES	YES	-0.202143	2.18E-01	-0.107161	2.32E-01	0.199983	3.25E-01	-0.198230	3.28E-01	-0.351579	2.26E-02	-0.128620	5.88E-02	-0.169398	2.55E-01
ENSG00000127944	1	8246601	8246645	LOC10298.5	havana	lincRNA	antisense	YES	YES	-0.121962	2.10E-01	-0.112710	2.82E-01	0.1452929	3.08E-01	-0.198230	3.28E-01	-0.282739	2.98E-02	-0.130923	5.59E-02	-0.092174	1.44E-01
ENSG00000131038	9	7796200	7888380	DMRT1	ensembl <td>havana</td> <td>protein_coding</td> <td>YES</td> <td>YES</td> <td>-0.080051</td> <td>4.73E-01</td> <td>-0.121614</td> <td>1.40E-01</td> <td>0.1594210</td> <td>4.27E-01</td> <td>-0.198230</td> <td>3.28E-01</td> <td>-0.057181</td> <td>6.81E-02</td>	havana	protein_coding	YES	YES	-0.080051	4.73E-01	-0.121614	1.40E-01	0.1594210	4.27E-01	-0.198230	3.28E-01	-0.057181	6.81E-02				

ENSG0000028054	6	13582780	13588813	ALMO17L2	havana	lncRNA	YES	YES	-0.077003	5.06e-01	-0.0770042	5.06e-01	-0.1413573	4.82e-01	-0.1999519	3.17e-01	-0.1191395	3.91e-01	-0.0270183	9.03e-01	-0.079225	5.84e-01	
ENSG0000024007	15	3475884	3481305	AC097451.1	havana	transcript	YES	YES	-0.05924	6.41e-01	0.0184764	9.25e-01	0.5431673	2.61e-01	-0.199994	3.17e-01	-0.177778	3.99e-01	0.057662	7.12e-01	0.1270935	1.55e-01	
ENSG0000027960	22	3024625	3024698	AC042451.1	havana	transcript	YES	YES	-0.07381	5.12e-01	-0.07381	5.12e-01	-0.1424842	4.41e-01	-0.199994	3.17e-01	-0.1382175	3.18e-01	0.0282175	1.31e-01	0.0282175	1.31e-01	
ENSG0000028812	22	3024625	3024698	AC042451.1	havana	transcript	YES	YES	-0.07381	5.12e-01	-0.07381	5.12e-01	-0.1424842	4.41e-01	-0.199994	3.17e-01	-0.1382175	3.18e-01	0.0282175	1.31e-01	0.0282175	1.31e-01	
ENSG0000024486	11	5734914	5735181	BTB108	transcript	havana	transcript	YES	YES	-0.04524	2.68e-01	0.057948	6.80e-01	0.1156939	5.79e-01	-0.19995	3.17e-01	-0.127246	3.77e-01	0.1473352	5.02e-01	-0.054975	7.07e-01
ENSG0000021216	19	4910028	4910054	BTB108	transcript	havana	transcript	YES	YES	-0.04524	2.68e-01	0.057948	6.80e-01	0.1156939	5.79e-01	-0.19995	3.17e-01	-0.127246	3.77e-01	0.1473352	5.02e-01	-0.054975	7.07e-01
ENSG0000024830	6	8093728	8716929	HTR1E	transcript	havana	transcript	YES	YES	-0.162938	1.57e-01	-0.162938	1.57e-01	-0.144357	4.73e-01	-0.199965	3.17e-01	-0.1218894	1.12e-01	0.1317181	5.49e-01	-0.195343	3.34e-01
ENSG0000024149	1	7512974	7513276	AC09786.2	havana	transcript	YES	YES	-0.20783	6.97e-01	-0.1623541	2.60e-01	-0.1378955	3.85e-01	-0.199883	3.17e-01	-0.262436	5.52e-01	-0.080734	7.14e-01	-0.188927	3.36e-01	
ENSG0000021873	20	420002	420037	NAEL	transcript	havana	transcript	YES	YES	-0.06237	4.68e-01	-0.06237	4.68e-01	-0.1424842	4.41e-01	-0.199994	3.17e-01	-0.1382175	3.18e-01	0.0282175	1.31e-01	0.0282175	1.31e-01
ENSG0000025953	16	6800275	6802526	NAEL	transcript	havana	transcript	YES	YES	-0.079892	4.98e-01	-0.052254	7.24e-01	-0.200063	3.17e-01	-0.200063	3.17e-01	-0.0801230	4.97e-01	0.0578475	7.01e-01	-0.1592971	2.86e-01
ENSG0000025747	14	5083182	5083180	AL133483.3	havana	transcript	YES	YES	-0.083934	4.72e-01	-0.0748836	6.06e-01	0.0407564	8.42e-01	-0.200048	3.17e-01	-0.1415797	3.07e-01	-0.029249	6.93e-01	0.0083761	8.79e-01	
ENSG0000027713	12	3209383	3209407	AC09786.2	havana	transcript	YES	YES	-0.083934	4.72e-01	-0.0748836	6.06e-01	0.0407564	8.42e-01	-0.200048	3.17e-01	-0.1415797	3.07e-01	-0.029249	6.93e-01	0.0083761	8.79e-01	
ENSG0000022842	6	1932428	1989380	LINC	transcript	havana	transcript	YES	YES	-0.163224	1.56e-01	-0.093343	1.58e-01	-0.2534854	2.02e-01	-0.200195	3.17e-01	-0.279355	4.08e-01	-0.0491181	7.93e-01	-0.104131	3.71e-01
ENSG0000021077	10	2787121	2744488	PTCD3	transcript	havana	transcript	YES	YES	-0.204231	7.48e-01	-0.106281	4.87e-01	-0.136773	5.00e-01	-0.200029	3.17e-01	-0.1322847	7.42e-01	0.127326	5.80e-01	-0.140369	3.31e-01
ENSG0000022342	10	7450081	7450053	AC02250.1	havana	transcript	YES	YES	-0.159248	1.67e-01	-0.148952	3.12e-01	0.0915871	6.50e-01	-0.200029	3.17e-01	-0.1249497	1.19e-01	-0.129758	5.54e-01	-0.104996	9.42e-01	
ENSG0000021773	12	4901504	4901413	PKnox1	transcript	havana	transcript	YES	YES	-0.28183	2.46e-01	-0.05998	3.83e-01	0.0080771	9.69e-01	-0.20004	3.17e-01	-0.238369	5.92e-01	0.1612187	4.62e-01	-0.073994	6.73e-01
ENSG0000021369	16	4799447	4731714	AC09753.1	havana	transcript	YES	YES	-0.144455	2.10e-01	-0.144455	2.10e-01	-0.0600229	7.47e-01	-0.200021	3.17e-01	-0.2120029	3.21e-01	-0.0804458	7.03e-01	-0.0847508	5.58e-01	
ENSG0000027414	17	6657034	6695177	AL0215P1	transcript	havana	transcript	YES	YES	-0.230405	2.10e-01	-0.150263	1.75e-01	-0.103359	6.01e-01	-0.200064	3.17e-01	-0.2829027	1.82e-01	-0.192626	3.44e-01	-0.1624339	2.60e-01
ENSG0000021501	1	1400214	1403367	AC09786.2	havana	transcript	YES	YES	-0.07794	5.00e-01	-0.07794	5.00e-01	-0.1424842	4.41e-01	-0.199994	3.17e-01	-0.1382175	3.18e-01	0.0282175	1.31e-01	0.0282175	1.31e-01	
ENSG0000021060	12	1247768	12488268	SCAB1	transcript	havana	transcript	YES	YES	-0.156984	1.73e-01	-0.057601	7.26e-01	-0.1395848	4.87e-01	-0.200113	3.17e-01	-0.1572928	5.78e-01	-0.1018931	6.97e-01	-0.1274924	3.01e-01
ENSG0000021037	17	1247911	1247876	USHP1	transcript	havana	transcript	YES	YES	-0.108813	3.44e-01	-0.03064	9.83e-01	-0.0927744	6.23e-01	-0.201722	3.17e-01	-0.2186609	3.11e-01	-0.1483951	4.99e-01	-0.1212524	3.67e-01
ENSG0000024780	20	1304881	1376001	MAD1D	transcript	havana	transcript	YES	YES	-0.200364	4.42e-01	-0.200364	4.42e-01	-0.200364	4.42e-01	-0.200364	4.42e-01	-0.200364	4.42e-01	-0.200364	4.42e-01	-0.200364	4.42e-01
ENSG0000021973	7	4414881	4412458	PIPO2	transcript	havana	transcript	YES	YES	-0.237934	3.72e-01	-0.234413	1.61e-01	0.0858096	6.73e-01	-0.200738	3.17e-01	-0.29558	3.00e-01	0.0739212	7.44e-01	-0.0736564	6.10e-01
ENSG0000026757	4	12176458	12176814	PP21B3	transcript	havana	transcript	YES	YES	-0.227179	2.35e-01	-0.2040997	3.07e-01	-0.202822	3.17e-01	-0.245939	1.04e-01	-0.1926072	3.76e-01	-0.1926072	3.76e-01	-0.1926072	3.76e-01
ENSG0000025796	21	3389841	3384926	CRVA	transcript	havana	transcript	YES	YES	-0.244775	2.44e-01	-0.0710493	5.69e-01	-0.4429411	2.96e-01	-0.200884	3.16e-01	-0.2842129	1.13e-01	-0.4642129	1.06e-01	-0.4647748	5.80e-01
ENSG0000022009	1	4489882	4483385	BTB108	transcript	havana	transcript	YES	YES	-0.062228	2.12e-01	0.0987749	5.04e-01	0.4643323	3.78e-01	-0.200233	3.16e-01	-0.286679	3.00e-01	-0.1007729	3.36e-01	-0.1633584	2.51e-01
ENSG0000024191	1	9634638	9638601	ENGA3	transcript	havana	transcript	YES	YES	-0.209643	6.73e-01	-0.158988	2.80e-01	0.0304561	8.89e-01	-0.200284	3.16e-01	-0.282894	3.06e-01	-0.171319	4.34e-01	-0.095184	6.00e-01
ENSG0000023040	10	1337839	1333123	TUBGCP2	transcript	havana	transcript	YES	YES	-0.20789	6.99e-01	-0.120241	4.04e-01	-0.2547384	2.00e-01	-0.200043	3.16e-01	-0.215178	2.70e-01	-0.1507862	4.48e-01	-0.090291	7.00e-01
ENSG0000029994	1	1001327	1001347	ENGA3	transcript	havana	transcript	YES	YES	-0.209643	6.73e-01	-0.158988	2.80e-01	0.0304561	8.89e-01	-0.200284	3.16e-01	-0.282894	3.06e-01	-0.171319	4.34e-01	-0.095184	6.00e-01
ENSG0000026997	7	2710614	2715281	H0XA3	transcript	havana	transcript	YES	YES	-0.10134	3.91e-01	-0.095935	5.21e-01	-0.3416020	8.17e-01	-0.200062	3.16e-01	-0.1615704	2.24e-01	-0.136301	5.55e-01	-0.100203	4.00e-01
ENSG0000025915	18	75112137	75125565	AC04581.5	havana	transcript	YES	YES	-0.1484019	1.79e-01	-0.151594	3.49e-01	-0.0824872	7.57e-01	-0.200367	3.16e-01	-0.2211763	1.07e-01	-0.0805646	7.15e-01	-0.0779252	5.91e-01	
ENSG0000027058	14	4012124	4012714	ARHGAP14	transcript	havana	transcript	YES	YES	-0.114315	3.22e-01	-0.097010	5.01e-01	0.1838460	3.58e-01	-0.200163	3.16e-01	-0.1752602	2.05e-01	-0.1254291	8.51e-01	-0.1254291	8.51e-01
ENSG0000025972	10	8416728	8417293	CERN2	transcript	havana	transcript	YES	YES	-0.2155137	5.98e-01	-0.1161499	4.24e-01	-0.211635	2.81e-01	-0.200418	3.16e-01	-0.1374947	3.64e-01	-0.103085	8.63e-01	-0.115838	6.47e-01
ENSG0000023877	1	1401387	1401387	BTB108	transcript	havana	transcript	YES	YES	-0.07794	5.00e-01	-0.07794	5.00e-01	-0.1424842	4.41e-01	-0.199994	3.17e-01	-0.1382175	3.18e-01	0.0282175	1.31e-01	0.0282175	1.31e-01
ENSG0000025335	15	7895906	7900780	RASGEF1	transcript	havana	transcript	YES	YES	-0.154083	1.81e-01	-0.129132	3.75e-01	0.0863401	6.68e-01	-0.20041	3.16e-01	-0.1407389	3.17e-01	-0.1070165	6.26e-01	-0.0649995	6.34e-01
ENSG0000021694	7	1379137	1380310	AC09800.4	havana	transcript	YES	YES	-0.183364	2.41e-01	-0.1189103	7.72e-01	-0.1189103	7.72e-01	-0.200451	3.16e-01	-0.2121661	1.16e-01	-0.0696136	7.22e-01	-0.101834	4.81e-01	
ENSG0000021177	7	14239980	14240037	TRV1D.1	transcript	havana	transcript	YES	YES	-0.0894734	5.49e-01	-0.04999	4.70e-01	0.1379341	5.52e-01	-0.200445	3.16e-01	-0.2150208	1.23e-01	-0.0888102	1.99e-01	-0.0888102	1.99e-01
ENSG0000025629	1	1601387	1601387	BTB108	transcript	havana	transcript	YES	YES	-0.07794	5.00e-01	-0.07794	5.00e-01	-0.1424842	4.41e-01	-0.199994	3.17e-01	-0.1382175	3.18e-01	0.0282175	1.31e-01	0.0282175	1.31e-01
ENSG0000024622	17	4837242	4838070	AC04222.2	havana	transcript	YES	YES	-0.1897676	1.89e-01	-0.162683	2.49e-01	0.0328383	8.71e-01	-0.200454	3.16e-01	-0.2186609	5.58e-01	-0.090728	6.00e-01	-0.0727881	8.51e-01	
ENSG00000218133	9	3738540	3738921	TMEM215	transcript	havana	transcript	YES	YES	-0.1513718	1.89e-01	-0.0971229	4.93e-01	-0.077778	9.69e-01	-0.2005174	3.16e-01	-0.2298443	8.98e-01	-0.106291	6.29e-01	-0.0649929	6.54e-01
ENSG0000024602	1	12176																					

Table with columns for gene ID, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as ZMYND12, SNAI2P1, LINC02481, etc., with their respective genomic coordinates and associated data points.

ENSG0000029107	20667836	20679984	ABHD17A2	havana	processed_pseudo	-0.1462949	2.04e-01	-0.1312781	2.08e-01	0.04129844	8.39e-01	-0.2089116	2.96e-01	-0.1609246	2.45e-01	-0.1187153	5.90e-01	-0.0561396	6.98e-01	
ENSG0000029108	8824170	8826900	ACD154A.2	havana	transcript	-0.1524033	1.58e-01	-0.1074499	4.58e-01	0.0682827	2.84e-01	-0.20891	2.96e-01	-0.1737864	8.94e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029109	1357318	3963649	ACD154A.2	havana	transcript	-0.1524033	1.58e-01	-0.1074499	4.58e-01	0.0682827	2.84e-01	-0.20891	2.96e-01	-0.1737864	8.94e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029110	6069985	6071587	M54B	havana	transcript	-0.1676766	1.50e-01	-0.1023422	8.80e-01	0.2074416	7.08e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0921137	6.76e-01	-0.0813807	5.40e-01	
ENSG0000029111	12643760	12647391	ZDC	havana	transcript	-0.1676766	1.50e-01	-0.1023422	8.80e-01	0.2074416	7.08e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0921137	6.76e-01	-0.0813807	5.40e-01	
ENSG0000029112	12004927	12017417	EPG2	havana	transcript	-0.1794317	1.02e-01	-0.1121059	1.32e-01	0.0962439	6.31e-01	-0.20893	2.96e-01	-0.20097	3.31e-01	-0.0804762	8.52e-01	-0.0410230	7.74e-01	
ENSG0000029113	133638363	133659129	DBP	havana	transcript	-0.2029223	7.67e-01	-0.1313777	3.64e-01	0.0583463	8.77e-01	-0.20893	2.96e-01	-0.20097	3.31e-01	-0.0804762	8.52e-01	-0.0410230	7.74e-01	
ENSG0000029114	11722879	11729351	ACD1956.1	havana	processed_pseudo	-0.138065	2.31e-01	-0.1124795	3.97e-01	0.1839631	3.58e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029115	14507040	14519144	TPP25	havana	transcript	-0.084413	3.65e-01	-0.084413	3.65e-01	0.084413	3.65e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029116	3527209	3528304	ACD1956.1	havana	transcript	-0.138065	2.31e-01	-0.1124795	3.97e-01	0.1839631	3.58e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029117	4478385	4478870	BEST4	havana	transcript	-0.1273552	6.32e-01	-0.0786657	5.87e-01	0.2791494	1.95e-01	-0.20893	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029118	1303134	1303134	UBP1	havana	transcript	-0.2029223	7.67e-01	-0.1313777	3.64e-01	0.0583463	8.77e-01	-0.20893	2.96e-01	-0.20097	3.31e-01	-0.0804762	8.52e-01	-0.0410230	7.74e-01	
ENSG0000029119	3853323	3853474	UBP1	havana	transcript	-0.2029223	7.67e-01	-0.1313777	3.64e-01	0.0583463	8.77e-01	-0.20893	2.96e-01	-0.20097	3.31e-01	-0.0804762	8.52e-01	-0.0410230	7.74e-01	
ENSG0000029120	5294641	5295585	ACD1956.1	havana	transcript	-0.138065	2.31e-01	-0.1124795	3.97e-01	0.1839631	3.58e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029121	12288041	12289216	ACD1956.1	havana	transcript	-0.138065	2.31e-01	-0.1124795	3.97e-01	0.1839631	3.58e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029122	1301953	13173062	TPP25	havana	transcript	-0.084413	3.65e-01	-0.084413	3.65e-01	0.084413	3.65e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029123	5271294	5286621	ACD1956.1	havana	transcript	-0.1064124	3.07e-01	-0.0423717	7.70e-01	0.0053343	9.78e-01	-0.20893	2.96e-01	-0.20097	3.31e-01	-0.0804762	8.52e-01	-0.0410230	7.74e-01	
ENSG0000029124	248414	2409976	ZDC	havana	transcript	-0.1676766	1.50e-01	-0.1023422	8.80e-01	0.2074416	7.08e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0921137	6.76e-01	-0.0813807	5.40e-01	
ENSG0000029125	12004927	12017417	EPG2	havana	transcript	-0.1794317	1.02e-01	-0.1121059	1.32e-01	0.0962439	6.31e-01	-0.20893	2.96e-01	-0.20097	3.31e-01	-0.0804762	8.52e-01	-0.0410230	7.74e-01	
ENSG0000029126	4354918	4354806	ENOX1.5A	havana	transcript	-0.2118936	6.43e-01	-0.0770599	5.94e-01	0.2484301	2.11e-01	-0.20893	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029127	3688920	3701299	MEM2	havana	transcript	-0.2021387	7.79e-01	-0.1356849	3.81e-01	0.1768162	3.78e-01	-0.20912	2.96e-01	-0.2118936	6.43e-01	-0.0858246	6.95e-01	-0.0179398	1.66e-01	
ENSG0000029128	12288041	12289216	TPP25	havana	transcript	-0.084413	3.65e-01	-0.084413	3.65e-01	0.084413	3.65e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029129	10686850	10687594	TMEM74	havana	transcript	-0.2173472	1.23e-01	-0.157528	0.0598888	9.23e-01	0.209237	2.96e-01	-0.209237	2.96e-01	-0.2373472	9.47e-01	-0.1557133	4.78e-01	-0.0792921	6.03e-01
ENSG0000029130	5807776	5808263	MRP12P2	havana	processed_pseudo	-0.1382678	1.12e-01	-0.1068272	9.37e-01	0.1688227	3.27e-01	-0.20923	2.96e-01	-0.2118936	6.43e-01	-0.1076789	7.52e-01	-0.1485543	3.03e-01	
ENSG0000029131	3699214	3699643	ACD1956.1	havana	transcript	-0.138065	2.31e-01	-0.1124795	3.97e-01	0.1839631	3.58e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029132	4022208	4022667	CNR	havana	transcript	-0.150798	1.91e-01	-0.0988115	3.08e-01	0.093552	6.59e-01	-0.20929	2.96e-01	-0.20929	2.96e-01	-0.2373472	9.47e-01	-0.1557133	4.78e-01	
ENSG0000029133	9471654	9501117	CLIP12	havana	transcript	-0.1912566	9.48e-01	-0.0812098	5.72e-01	0.1915123	3.48e-01	-0.20929	2.96e-01	-0.20929	2.96e-01	-0.2373472	9.47e-01	-0.1557133	4.78e-01	
ENSG0000029134	3049560	3041168	ALDH1B3.2	havana	transcript	-0.1842848	1.14e-01	-0.0800722	9.47e-01	0.1907287	3.41e-01	-0.20915	2.96e-01	-0.20915	2.96e-01	-0.2373472	9.47e-01	-0.1557133	4.78e-01	
ENSG0000029135	7459784	7459784	TPP25	havana	transcript	-0.084413	3.65e-01	-0.084413	3.65e-01	0.084413	3.65e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029136	1749474	1751385	ACD1956.1	havana	transcript	-0.009354	9.98e-01	-0.0406865	7.36e-01	0.2070768	3.00e-01	-0.20915	2.96e-01	-0.2142828	3.00e-01	-0.1582878	4.52e-01	-0.1372978	3.42e-01	
ENSG0000029137	14376450	14376983	FAM51AP	havana	transcript	-0.1936199	9.14e-01	-0.167825	2.44e-01	0.0246001	9.03e-01	-0.20929	2.96e-01	-0.21684	5.88e-01	-0.0407996	7.71e-01	-0.0246001	7.09e-01	
ENSG0000029138	11450197	11450247	ACD1956.1	havana	transcript	-0.138065	2.31e-01	-0.1124795	3.97e-01	0.1839631	3.58e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029139	5298940	5299479	ITGA2	havana	transcript	-0.1662515	1.48e-01	-0.051024	7.80e-01	0.2909139	1.31e-01	-0.20938	2.96e-01	-0.2550709	6.22e-01	-0.1382895	1.17e-01	-0.2097964	3.70e-01	
ENSG0000029140	12273787	12278480	NPSSA	havana	transcript	-0.2021387	7.79e-01	-0.1356849	3.81e-01	0.1768162	3.78e-01	-0.20912	2.96e-01	-0.2118936	6.43e-01	-0.0858246	6.95e-01	-0.0179398	1.66e-01	
ENSG0000029141	7489784	74871447	ACD1956.1	havana	transcript	-0.084413	3.65e-01	-0.084413	3.65e-01	0.084413	3.65e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029142	13203636	13218488	JAM3P	havana	transcript	-0.1892937	1.19e-01	-0.1334847	9.84e-01	0.1134603	5.71e-01	-0.20929	2.96e-01	-0.2118936	6.43e-01	-0.0858246	6.95e-01	-0.0179398	1.66e-01	
ENSG0000029143	4303858	4305266	ITIL1-AS1	havana	transcript	-0.113327	3.28e-01	-0.0557703	7.02e-01	0.0017551	9.93e-01	-0.20929	2.96e-01	-0.20701	3.22e-01	-0.0210734	9.63e-01	-0.0209396	6.34e-01	
ENSG0000029144	1463946	1463946	TPP25	havana	transcript	-0.084413	3.65e-01	-0.084413	3.65e-01	0.084413	3.65e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029145	1463946	1464018	CTCFP2	havana	processed_pseudo	-0.10823	3.64e-01	-0.044689	3.16e-01	0.0978482	1.94e-01	-0.20928	2.96e-01	-0.20928	2.96e-01	-0.2373472	9.47e-01	-0.1557133	4.78e-01	
ENSG0000029146	13679344	13679344	ITM14	havana	transcript	-0.0774453	5.03e-01	-0.019374	4.81e-01	0.2544443	8.85e-01	-0.20921	2.96e-01	-0.086109	8.26e-01	-0.0670136	2.48e-01	-0.1196649	3.33e-01	
ENSG0000029147	423278	423278	TPP25	havana	transcript	-0.084413	3.65e-01	-0.084413	3.65e-01	0.084413	3.65e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175	5.95e-01	
ENSG0000029148	4489836	4485216	DMX1	havana	transcript	-0.1538981	1.81e-01	-0.0480309	7.47e-01	0.0489217	3.03e-01	-0.20948	2.96e-01	-0.20948	2.96e-01	-0.2373472	9.47e-01	-0.1557133	4.78e-01	
ENSG0000029149	3568875	3567866	ARHGAP37	havana	transcript	-0.1627807	1.46e-01	-0.0289772	1.47e-01	0.1315639	9.11e-01	-0.20952	2.96e-01	-0.2149806	8.28e-01	-0.1479898	5.01e-01	-0.20717	8.86e-01	
ENSG0000029150	4953385	4953403	ACD1956.1	havana	transcript	-0.138065	2.31e-01	-0.1124795	3.97e-01	0.1839631	3.58e-01	-0.20894	2.96e-01	-0.237868	4.52e-01	-0.0781714	7.21e-01	-0.0709175		

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as STMN2, ADCY10B2, PDI, INHBC, RANBP1, and many others, each with associated genomic data and expression values.

ENSG0000012528	19	50025714	50053414	* ZNF473	ensembl_havana	protein_coding	-0.282176	3.58E-03	-0.24609	5.98E-02	-0.778996	1.57E-01	-0.215269	2.80E-01	-0.431145	1.13E-01	0.3226824	1.33E-01	0.04177458	7.73E-01
ENSG0000012629	15	2686911	2694928	* GABRA5	ensembl_havana	protein_coding	-0.056198	6.27E-01	-0.070513	6.26E-01	0.4887238	2.86E-01	-0.215044	2.80E-01	-0.123770	7.73E-01	0.0046678	7.73E-01	0.0046678	7.73E-01
ENSG0000012706	15	8013314	8013314	* LOC101928	ensembl_havana	protein_coding	-0.147861	8.16E-01	-0.147861	8.16E-01	0.0000000	8.16E-01	-0.147861	8.16E-01	-0.147861	8.16E-01	0.0000000	8.16E-01	0.0000000	8.16E-01
ENSG00000140459	15	7433759	7436746	* CYP11A1	ensembl_havana	protein_coding	YES	YES	YES	YES	0.009508	7.85E-01	-0.206827	2.80E-01	-0.284023	2.74E-01	0.598845	4.66E-01	0.0032460	6.61E-01
ENSG00000141134	11	6082093	6085590	* PFCRD2	ensembl_havana	protein_coding	-0.102098	8.82E-01	-0.122172	1.11E-01	0.2399842	1.90E-01	-0.215071	2.80E-01	-0.044489	7.49E-01	0.0770075	7.41E-01	0.0770075	7.41E-01
ENSG0000012116	19	8061238	80681204	* CDR8	ensembl_havana	protein_coding	-0.2747413	0.00E+00	-0.2747413	0.00E+00	0.0000000	0.00E+00	-0.2747413	0.00E+00	-0.2747413	0.00E+00	0.0000000	0.00E+00	0.0000000	0.00E+00
ENSG0000014746	8	8265528	8266555	* AC04121.3	havana	processed_transcript	-0.1670993	1.26E-01	-0.184212	3.04E-01	0.0070645	7.26E-01	-0.215044	2.80E-01	-0.238849	4.20E-01	0.0217491	9.22E-01	0.0249044	6.25E-01
ENSG0000015464	2	6118748	61471087	* USF3A	ensembl_havana	protein_coding	-0.1378927	2.23E-01	-0.0304474	3.48E-01	0.05861418	7.72E-01	-0.215044	2.80E-01	-0.0327469	8.17E-01	0.222449	3.00E-01	0.061389	6.70E-01
ENSG0000013924	16	8000030	8001936	* AC02012.4	havana	processed_transcript	-0.215044	2.80E-01	-0.215044	2.80E-01	0.0000000	0.00E+00	-0.215044	2.80E-01	-0.215044	2.80E-01	0.0000000	0.00E+00	0.0000000	0.00E+00
ENSG00000150293	11	11144550	11147597	* AC02002.2	havana	transcribed_unit	YES	YES	YES	YES	-0.179273	1.21E-01	-0.192174	6.55E-01	-0.215044	2.80E-01	0.0407608	3.90E-01	0.0076260	6.40E-01
ENSG0000014074	5	609929	6163291	* NSUN2	ensembl_havana	protein_coding	-0.139133	3.02E-01	-0.164309	2.54E-01	0.1003808	6.19E-01	-0.215064	2.80E-01	-0.168154	2.24E-01	0.2114469	2.29E-01	0.2055297	3.52E-01
ENSG0000015099	4	6297389	6304840	* AC07008.1	havana	processed_transcript	-0.064988	6.40E-01	-0.065023	9.81E-01	0.3267889	5.26E-01	-0.215093	2.80E-01	-0.1531275	7.75E-01	0.020291	8.44E-01	0.0217913	8.47E-01
ENSG00000135488	12	5428039	5428708	* HNRNPAL1	ensembl_havana	protein_coding	-0.0895736	1.97E-01	-0.120526	1.17E-01	0.1025794	6.19E-01	-0.215098	2.80E-01	-0.2312165	2.29E-01	0.3212469	3.00E-01	0.111895	1.64E-01
ENSG0000017050	X	10259957	10269712	* AD3547.1	havana	processed_transcript	-0.050573	7.42E-01	-0.0520404	7.15E-01	0.41479101	3.15E-01	-0.215024	2.80E-01	-0.124511	8.21E-01	0.211661	3.96E-01	0.277061	3.62E-01
ENSG0000011633	8	7890537	7891510	* GYF1P1	havana	unprocessed_pseudogene	-0.147925	1.79E-01	-0.171779	1.92E-01	0.0818732	6.85E-01	-0.215064	2.80E-01	-0.1806758	5.91E-01	0.128170	5.60E-01	0.1020729	7.60E-01
ENSG0000014907	8	8306979	8307480	* AC08746.1	havana	processed_transcript	-0.159872	1.45E-01	-0.172782	1.61E-01	0.3466583	6.80E-01	-0.215091	2.79E-01	-0.182476	7.87E-01	0.188984	4.41E-01	0.0090945	7.11E-01
ENSG0000012724	17	4105920	4106114	* HRP23.3	ensembl_havana	protein_coding	YES	YES	YES	YES	-0.272287	1.78E-01	-0.2220407	2.64E-01	-0.215856	2.79E-01	-0.150278	7.90E-01	-0.193799	1.79E-01
ENSG0000014043	2	14691844	14699202	* KMT1P.2	ensembl_havana	protein_coding	-0.147613	2.15E-01	-0.159117	2.70E-01	0.2081210	6.71E-01	-0.215097	2.79E-01	-0.1789912	3.96E-01	0.0494474	8.94E-01	-0.021878	9.78E-01
ENSG0000014626	9	9247403	9248005	* DYNLL2	ensembl_havana	protein_coding	-0.120652	1.47E-01	-0.1292246	2.11E-01	0.0066186	7.47E-01	-0.215071	2.79E-01	-0.1324763	3.95E-01	0.1316676	5.80E-01	0.1118114	4.17E-01
ENSG0000014773	19	588004	588823	* HNR1B1.1	ensembl_havana	protein_coding	-0.165786	1.74E-01	-0.0626227	6.66E-01	0.0255677	8.99E-01	-0.215026	2.79E-01	-0.062414	8.99E-01	-0.1966272	5.25E-01	0.004268	3.07E-01
ENSG0000014717	X	4737078	4734448	* ZNF157	ensembl_havana	protein_coding	-0.150474	1.91E-01	-0.066665	9.32E-01	0.2807481	1.56E-01	-0.219433	2.79E-01	-0.271252	8.65E-01	0.1038012	6.44E-01	-0.147720	5.20E-01
ENSG0000012757	11	11232455	11238564	* RNF214	ensembl_havana	protein_coding	-0.159872	1.45E-01	-0.172782	1.61E-01	0.3466583	6.80E-01	-0.215091	2.79E-01	-0.182476	7.87E-01	0.188984	4.41E-01	0.0090945	7.11E-01
ENSG00000124570	1	6576129	6578380	* AC09708.1	havana	processed_transcript	-0.145792	2.06E-01	-0.0933197	8.88E-01	0.0022168	9.91E-01	-0.216044	2.79E-01	-0.24795	7.06E-01	0.031851	9.94E-01	0.0024003	8.45E-01
ENSG00000176278	15	8462105	8462327	* AC08832.6	havana	processed_transcript	-0.138701	1.05E-01	-0.1214591	1.06E-01	0.0218138	9.14E-01	-0.2160559	2.79E-01	-0.188961	1.71E-01	0.071401	2.30E-01	0.04533	7.95E-01
ENSG00000143827	15	3608780	3624082	* RFX4	ensembl_havana	protein_coding	-0.0715993	1.69E-01	-0.0640077	6.99E-01	0.1859753	3.64E-01	-0.216084	2.79E-01	-0.0017494	8.68E-01	0.0477891	8.29E-01	-0.151945	4.23E-01
ENSG00000179772	17	8039309	8039300	* AC17373.1	havana	processed_transcript	0	0.00E+00	-0.0000000	0.00E+00	0.0000000	0.00E+00	-0.216084	2.79E-01	-0.248921	8.88E-01	0.1131936	6.13E-01	0.016984	7.95E-01
ENSG00000172460	16	289568	284244	* PRSS30P	havana	lincRNA	-0.1123363	3.11E-01	-0.052736	3.34E-01	0.0014749	9.91E-01	-0.2160769	2.79E-01	-0.1336603	3.23E-01	0.0215183	9.45E-01	0.00823	5.21E-01
ENSG0000017895	17	4025076	4029849	* ZNF38C	ensembl_havana	protein_coding	-0.209224	6.78E-01	-0.217726	1.30E-01	0.0939813	8.45E-01	-0.216113	2.79E-01	-0.226304	9.99E-01	0.30242	1.67E-01	-0.158897	2.71E-01
ENSG0000017931	17	4025076	4029849	* ZNF38C	ensembl_havana	protein_coding	-0.209224	6.78E-01	-0.217726	1.30E-01	0.0939813	8.45E-01	-0.216113	2.79E-01	-0.226304	9.99E-01	0.30242	1.67E-01	-0.158897	2.71E-01
ENSG0000018859	1	14605746	14616700	* FAM78B	ensembl_havana	protein_coding	YES	YES	YES	YES	-0.162434	3.17E-01	-0.164411	8.27E-01	-0.213748	1.38E-01	0.213748	1.30E-01	0.078723	4.96E-01
ENSG00000128917	15	4029730	4030773	* DALL1	ensembl_havana	protein_coding	-0.2129097	6.30E-01	-0.217096	2.76E-01	0.0956979	6.36E-01	-0.216129	2.79E-01	-0.304006	2.57E-01	0.1480427	4.43E-01	-0.049548	7.05E-01
ENSG0000012298	17	4205778	4206203	* AC02021	havana	processed_transcript	-0.1620807	1.47E-01	-0.1620807	1.47E-01	0.0000000	0.00E+00	-0.1620807	1.47E-01	-0.1620807	1.47E-01	0.0000000	0.00E+00	0.0000000	0.00E+00
ENSG00000158799	1	11307718	11312260	* LRIG2	ensembl_havana	protein_coding	-0.2678785	2.09E-01	-0.2707025	5.04E-01	-0.111732	5.77E-01	-0.215044	2.79E-01	-0.2851049	3.66E-01	0.0033020	8.00E-01	-0.004092	6.37E-01
ENSG0000012626	5	10143006	10152618	* PDPHFP	havana	transcribed_unit	YES	YES	YES	YES	0.0678714	5.58E-01	-0.044113	7.61E-01	0.8841899	6.64E-01	-0.216098	2.79E-01	0.02726797	8.71E-01
ENSG0000012701	19	5199959	5197772	* AC09711.1	havana	processed_transcript	-0.138701	1.05E-01	-0.1214591	1.06E-01	0.0218138	9.14E-01	-0.2160559	2.79E-01	-0.188961	1.71E-01	0.071401	2.30E-01	0.04533	7.95E-01
ENSG0000014284	17	5802434	5802434	* DYNLL2	ensembl_havana	protein_coding	-0.0709881	5.40E-01	-0.0739249	5.91E-01	0.1298478	5.19E-01	-0.2161213	2.79E-01	-0.071181	8.29E-01	0.3217788	7.88E-01	0.0015819	4.31E-01
ENSG0000011466	12	9114084	9118217	* DCFN	ensembl_havana	protein_coding	-0.102443	3.75E-01	-0.045336	8.12E-01	0.231933	2.79E-01	-0.216236	2.79E-01	-0.171039	2.10E-01	-0.464605	2.57E-01	-0.22828	1.41E-01
ENSG0000011199	20	6327278	6328790	* ARFAP1	ensembl_havana	protein_coding	-0.124236	3.41E-01	-0.0908989	5.11E-01	0.1497738	4.56E-01	-0.216229	2.79E-01	-0.1870454	2.80E-01	-0.19394	2.37E-01	0.007208	2.11E-01
ENSG0000012725	12	12449745	12449745	* AC04540.6	havana	processed_transcript	-0.1454246	2.46E-01	-0.1454246	2.46E-01	0.0000000	0.00E+00	-0.1454246	2.46E-01	-0.1454246	2.46E-01	0.0000000	0.00E+00	0.0000000	0.00E+00
ENSG0000013123	2	23817040	23820738	* UKAP	ensembl_havana	protein_coding	-0.10844	3.49E-01	-0.05836	6.87E-01	0.1550001	4.40E-01	-0.216294	2.79E-01	-0.220194	1.09E-01	0.0036519	8.67E-01	-0.063957	5.24E-01
ENSG00000174776	16	4678699	4678297	* AC02043.3	havana	lincRNA	YES	YES	YES	YES	-0.1736612	1.26E-01	-0.075669	6.01E-01	0.0464671	8.17E-01	0.0216283	2.79E-01	0.297953	6.52E-01
ENSG0000012786	17	4255959	4258063	* AC09710.1	havana	processed_transcript	-0.1644701	1.71E-01	-0.1644701	1.71E-01	0.0000000	0.00E+00	-0.1644701	1.71E-01	-0.1644701	1.71E-01	0.0000000	0.00E+00	0.0000000	0.00E+00
ENSG00000146811	15	8968768	8965467	* KIF7	ensembl_havana	protein_coding	-0.1602472	1.44E-01	-0.078701	8.87E-01	0.3009697	6.61E-01	-0.216382	2.79E-01	-0.166483	5.15E-01	0.429958	5.90E-01	-0.007440	

Table with columns for gene ID, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as ZC4H12B, PGM3A, and others, with associated genomic coordinates and a series of numerical data points.

Table with 20 columns: Gene ID, Chr, Start, End, RefSeq, Gene Name, Transcription Start Site, Strand, Feature, RefSeq ID, RefSeq Start, RefSeq End, RefSeq Strand, RefSeq Feature, RefSeq ID, RefSeq Start, RefSeq End, RefSeq Strand, RefSeq Feature, RefSeq ID. Rows list various genes and their genomic coordinates and features.

Table with columns: ENSG accession number, gene symbol, gene name, transcript type, genomic coordinates, and various numerical values. The table lists numerous genes such as AC013361, LINC01546, and others, with associated data points for each.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as MRP143, ALKBH3, PLEKHA7, etc., with their corresponding genomic data.

Table with 25 columns: Gene ID, Chr, Start, End, RefSeq, Gene Name, Transcription Start Site, Strand, Feature Type, Feature Name, Feature Start, Feature End, Feature Score, Feature Type, Feature Name, Feature Start, Feature End, Feature Score, Feature Type, Feature Name, Feature Start, Feature End, Feature Score, Feature Type, Feature Name, Feature Start, Feature End, Feature Score. The table lists genomic features for various genes across chromosomes 15, 16, 17, 18, 19, and 20.

Table with 30 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq, Ensembl, UniProt, and various numerical values. The table lists genomic features for various genes across chromosomes 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and X.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as SNTG2, PDLIM1, PDLIM2, etc., with their corresponding genomic data.

Table with columns: Gene ID, Chr, Pos, RefSeq, Gene, Transcript, Feature, and various numerical values. The table lists genomic data for numerous genes including CAS8, SYNGA, SYNGA2, SYNGA3, SYNGA4, SYNGA5, SYNGA6, SYNGA7, SYNGA8, SYNGA9, SYNGA10, SYNGA11, SYNGA12, SYNGA13, SYNGA14, SYNGA15, SYNGA16, SYNGA17, SYNGA18, SYNGA19, SYNGA20, SYNGA21, SYNGA22, SYNGA23, SYNGA24, SYNGA25, SYNGA26, SYNGA27, SYNGA28, SYNGA29, SYNGA30, SYNGA31, SYNGA32, SYNGA33, SYNGA34, SYNGA35, SYNGA36, SYNGA37, SYNGA38, SYNGA39, SYNGA40, SYNGA41, SYNGA42, SYNGA43, SYNGA44, SYNGA45, SYNGA46, SYNGA47, SYNGA48, SYNGA49, SYNGA50, SYNGA51, SYNGA52, SYNGA53, SYNGA54, SYNGA55, SYNGA56, SYNGA57, SYNGA58, SYNGA59, SYNGA60, SYNGA61, SYNGA62, SYNGA63, SYNGA64, SYNGA65, SYNGA66, SYNGA67, SYNGA68, SYNGA69, SYNGA70, SYNGA71, SYNGA72, SYNGA73, SYNGA74, SYNGA75, SYNGA76, SYNGA77, SYNGA78, SYNGA79, SYNGA80, SYNGA81, SYNGA82, SYNGA83, SYNGA84, SYNGA85, SYNGA86, SYNGA87, SYNGA88, SYNGA89, SYNGA90, SYNGA91, SYNGA92, SYNGA93, SYNGA94, SYNGA95, SYNGA96, SYNGA97, SYNGA98, SYNGA99, SYNGA100.

ENSG0000027851	12	45256473	45256726	AC099248.2	havana	lncRNA	-0.158193	1.696	-0.183709	2.021	-0.198209	3.271	-0.250129	2.081	-0.198105	1.511	0.244396	2.616	-0.007634	9.98
ENSG0000027121	12	4399881	4399949	AC09506.3	havana	lncRNA	-0.272754	5.776	-0.186024	3.771	-0.196479	3.241	-0.250128	2.081	-0.111788	2.398	0.120147	5.854	-0.107939	4.44
ENSG0000029096	12	7089636	71103638	STY3	havana	lncRNA	-0.178916	1.374	-0.178916	1.374	-0.178916	1.374	-0.178916	1.374	-0.178916	1.374	0.178916	1.374	-0.178916	1.374
ENSG0000028611	20	11939277	11939374	GAPDH3P	havana	processed_pseudogene	-0.273987	9.726	-0.103727	1.221	-0.103727	1.221	-0.103727	1.221	-0.103727	1.221	0.246147	2.944	-0.103727	2.55
ENSG0000029486	10	4613136	4613199	IGFBP3	havana	lncRNA	-0.186189	1.024	-0.186189	1.024	-0.186189	1.024	-0.186189	1.024	-0.186189	1.024	0.240388	2.421	-0.207954	1.97
ENSG0000025629	12	1184434	1184434	IGFBP3-AS1	havana	lncRNA	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	0.235039	4.89	-0.235039	4.89
ENSG0000029292	19	5576918	5577320	RFP4L4L1	havana	lncRNA	-0.171137	1.374	-0.18765	2.565	-0.159023	2.428	-0.250196	2.081	-0.250196	2.081	0.046117	8.506	-0.156439	6.96
ENSG0000045147	4	2405796	24062661	SLIT2	havana	lncRNA	-0.155588	1.776	-0.076705	6.948	-0.052644	7.944	-0.250206	2.081	-0.278932	4.536	0.194579	9.746	-0.12848	7.94
ENSG0000041391	19	1940798	1940798	PRELID3	havana	lncRNA	-0.208214	2.106	-0.150472	3.714	-0.124023	5.381	-0.250196	2.081	-0.250196	2.081	0.176151	5.06	-0.176151	5.06
ENSG0000023797	6	9619980	9621717	ULF1L4S1	havana	lncRNA	-0.040483	7.271	-0.050516	7.282	-0.087479	7.338	-0.250203	2.081	-0.103834	4.558	0.029039	8.956	-0.029034	8.54
ENSG0000026488	18	6545485	6547460	AC09280.2	havana	transcribed_pseudogene	-0.186888	2.376	-0.186888	2.376	-0.186888	2.376	-0.186888	2.376	-0.186888	2.376	0.186888	2.376	-0.186888	2.376
ENSG0000025470	5	7019755	7020745	AC13886.1	havana	unprocessed_pseudogene	-0.049736	7.111	-0.038987	7.331	-0.130895	5.111	-0.250229	2.081	-0.103559	4.488	0.029039	8.956	-0.029034	8.54
ENSG0000028196	6	5081873	5084761	TFAB2B	havana	lncRNA	-0.191109	1.966	-0.152487	3.801	-0.1552029	4.391	-0.250179	2.081	-0.204276	3.181	-0.145446	8.006	-0.020788	9.84
ENSG0000045476	4	18019167	18021348	CPY42	havana	lncRNA	-0.070138	5.441	-0.144402	3.171	-0.083838	9.851	-0.250209	2.081	-0.092779	5.071	0.002106	3.991	-0.110712	4.44
ENSG0000029994	10	8994269	8994788	RC3H1-IT1	havana	lncRNA	-0.192461	1.831	-0.124983	3.851	-0.162227	4.181	-0.250196	2.081	-0.142984	3.861	0.009015	3.911	-0.009015	3.91
ENSG0000016428	18	5455417	5456856	ZNF4	havana	lncRNA	-0.127949	2.671	-0.078149	6.101	-0.107904	5.941	-0.250174	2.081	-0.217121	3.171	-0.140204	5.231	-0.149932	3.90
ENSG0000024927	4	17153034	17153763	LINC01274	havana	lncRNA	-0.220729	2.901	-0.111131	4.411	-0.207878	2.991	-0.250182	2.081	-0.194236	1.571	0.140004	2.441	-0.057759	6.90
ENSG0000027851	17	2216442	2216442	IGFBP3-AS1	havana	lncRNA	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	0.194613	1.374	-0.194613	1.374
ENSG0000023590	22	2276224	2276256	IGFBP3	havana	lncRNA	-0.185481	3.041	-0.150491	3.801	-0.129068	2.911	-0.250465	2.081	-0.146106	2.911	0.0084149	2.981	-0.0084149	2.981
ENSG0000020972	7	1492798	1494674	ZNF859.1	havana	lncRNA	-0.170477	1.381	-0.102183	8.801	-0.056497	7.441	-0.250485	2.081	-0.040394	6.221	0.115173	6.011	-0.081326	6.31
ENSG0000021478	16	2013380	2014571	ORAN5	havana	lncRNA	-0.138324	1.601	-0.000734	8.901	-0.161548	4.081	-0.250173	2.081	-0.229223	4.051	0.177386	6.071	-0.024073	9.70
ENSG0000026249	2	20953977	20958732	AC03674.1	havana	lncRNA	-0.190517	9.691	-0.188824	3.371	-0.166939	4.051	-0.250493	2.081	-0.195607	5.771	0.133307	5.441	-0.146008	5.73
ENSG0000024363	12	1757231	1758011	RPS4X14	havana	processed_pseudogene	-0.183464	1.101	-0.209713	1.431	-0.116687	5.621	-0.250016	2.081	-0.214619	1.171	-0.196481	7.641	-0.180166	3.01
ENSG0000028575	10	10098949	10099185	ALKBH8-AS1	havana	lncRNA	-0.151921	1.871	-0.104049	3.761	-0.1076499	7.051	-0.250019	2.081	-0.072894	4.931	0.196681	3.691	-0.194958	3.32
ENSG0000018944	7	24969694	24969694	DIS3B2	havana	lncRNA	-0.180468	1.161	-0.124983	3.851	-0.162227	4.181	-0.250196	2.081	-0.142984	3.861	0.009015	3.911	-0.009015	3.91
ENSG0000026124	5	18026653	18026954	AC06	havana	lncRNA	-0.242341	3.711	-0.187186	1.931	-0.034744	8.721	-0.250569	2.081	-0.143524	2.081	0.182874	5.061	-0.028728	8.84
ENSG0000019199	10	4898088	4917131	CPT1	havana	lncRNA	-0.246989	3.101	-0.202696	1.381	-0.018786	9.271	-0.250574	2.081	-0.173764	5.061	0.189331	4.611	-0.102928	4.86
ENSG0000027920	12	8044794	8044794	NR6T3	havana	lncRNA	-0.186463	1.871	-0.107649	3.761	-0.107649	3.761	-0.250196	2.081	-0.142984	3.861	0.009015	3.911	-0.009015	3.91
ENSG0000021698	7	3851515	3851547	TROVA	havana	lncRNA	-0.261453	3.971	-0.125566	7.791	-0.17324	3.881	-0.250773	2.071	-0.131439	3.191	0.201893	5.931	-0.073213	6.11
ENSG0000014644	10	5026688	5028174	MBD1	havana	lncRNA	-0.268213	1.831	-0.109421	3.391	-0.352074	7.341	-0.250628	2.071	-0.194459	3.101	0.067349	7.601	-0.147444	2.44
ENSG0000014241	11	1184975	1184975	IGFBP3-AS1	havana	lncRNA	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	-0.194613	1.374	0.194613	1.374	-0.194613	1.374
ENSG0000026603	12	10523638	10524173	AC07887.1	havana	lncRNA	-0.213691	6.201	-0.189406	2.091	-0.217088	2.771	-0.250588	2.071	-0.146004	3.021	0.139805	5.111	-0.132644	2.44
ENSG0000027914	9	11432056	11432675	ORAN1	havana	lncRNA	-0.193388	3.511	-0.18234	2.051	-0.21679	2.781	-0.250629	2.071	-0.083449	3.981	0.153097	4.861	-0.112295	2.94
ENSG0000021881	12	1173870	1173870	TROVA	havana	lncRNA	-0.186463	1.871	-0.107649	3.761	-0.107649	3.761	-0.250196	2.081	-0.142984	3.861	0.009015	3.911	-0.009015	3.91
ENSG0000024967	4	3850977	3851056	LINC01259	havana	lncRNA	-0.193721	4.641	-0.178037	2.151	-0.259628	1.911	-0.250682	2.071	-0.174793	2.911	0.044219	4.951	-0.044219	4.95
ENSG0000021308	12	5181780	5184766	HGN1L	havana	lncRNA	-0.223001	5.091	-0.140889	3.151	-0.244888	2.141	-0.250728	2.071	-0.134423	2.051	0.183744	4.561	-0.196984	1.78
ENSG0000013975	13	3284245	3284376	HN1NPAL1	havana	lncRNA	-0.111902	3.311	-0.105021	1.641	-0.125299	4.481	-0.250749	2.071	-0.070446	5.181	-0.134204	5.171	-0.202994	1.45
ENSG0000023266	10	80024	80249	STG1	havana	lncRNA	-0.124418	2.021	-0.044219	3.011	-0.044219	3.011	-0.250728	2.071	-0.146004	3.021	0.139805	5.111	-0.132644	2.44
ENSG0000023408	2	21279530	21281264	LINC01878	havana	lncRNA	-0.064463	8.401	-0.079278	5.891	-0.182888	3.611	-0.250745	2.071	-0.123342	3.741	0.06449	7.861	-0.058143	6.81
ENSG0000019448	19	106953	106953	ARHAP6-AS1	havana	lncRNA	-0.174527	2.001	-0.115873	3.471	-0.175004	3.991	-0.250712	2.071	-0.211371	2.121	0.112529	6.131	-0.084243	7.91
ENSG0000017729	10	1152760	1152760	TROVA	havana	lncRNA	-0.154403	1.511	-0.107649	3.761	-0.107649	3.761	-0.250196	2.081	-0.142984	3.861	0.009015	3.911	-0.009015	3.91
ENSG0000011051	20	3163781	3164006	CCM2	havana	lncRNA	-0.181974	1.601	-0.173599	4.731	-0.250286	2.071	-0.250654	2.071	-0.190045	3.441	0.007493	9.181	-0.134361	3.52
ENSG0000014394	19	781049	781049	RFP2	havana	lncRNA	-0.202796	5.381	-0.07401	6.021	-0.087089	6.661	-0.250842	2.071	-0.137987	4.811	-0.132443	5.471	-0.102928	4.86
ENSG0000023396	12	2015130	2015130	TRIP11	havana	lncRNA	-0.192461	1.831	-0.124983	3.851	-0.162227	4.181	-0.250196	2.081	-0.142984	3.861	0.009015	3.911	-0.009015	3.91
ENSG0000029539	11	1884652	1884652	HPD	havana	lncRNA	-0.119813	1.511	-0.128116	2.721	-0.127304	5.431	-0.250841	2.071	-0.165009	2.321	0.137813	5.311	-0.128116	3.09
ENSG0000019187	12	879004	879070	KLRF1	havana	lncRNA	-0.180789	1.141	-0.212115	1.211	-0.104401	6.621	-0.250874	2.071	-0.210212	1.011	0.297561	2.311	-0.085129	3.64
ENSG0000018440	10	13677422	13678104	ORAN2	havana	lncRNA	-0.162633	1.511	-0.142288	3.041	-0.140118	4.481	-0.250807	2.071	-0.104401	1.271	0.197456	6.661		

Table with columns for gene ID, chromosome, coordinates, gene name, transcript ID, protein name, and various numerical values. The table lists numerous genes such as PMA, FABP5, and others, with associated genomic data and protein information.

ENSG0000025652	10	7735851	7737613	AKCNMA1.A5.3	ncrna	incRNA	YES	YES	-0.180488	1.09E-01	-0.166142	4.63E-01	-0.144633	4.72E-01	-0.260284	1.90E-01	-0.269712	2.86E-01	-0.137993	5.30E-01	-0.126067	3.80E-01
ENSG0000025280	13	11276484	11296824	MCFL2L.A1	ncrna	incRNA	YES	YES	-0.138728	2.44E-01	-0.120217	4.05E-01	-0.029538	8.94E-01	-0.260284	1.90E-01	-0.272717	1.04E-01	-0.127499	2.74E-01	-0.088391	5.54E-01
ENSG0000011196	10	15447271	15447272	HANC3	ncrna	incRNA	YES	YES	-0.137914	2.44E-01	-0.120217	4.05E-01	-0.029538	8.94E-01	-0.260284	1.90E-01	-0.272717	1.04E-01	-0.127499	2.74E-01	-0.088391	5.54E-01
ENSG0000020150	15	80413795	80445152	IRF1	ncrna	incRNA	YES	YES	-0.139314	8.87E-01	-0.022603	7.15E-01	-0.051787	7.81E-01	-0.260433	1.90E-01	-0.237710	0.000000	-0.118872	3.24E-01	-0.084592	5.98E-01
ENSG0000023470	15	7089374	70890162	RNF187	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG0000021225	10	6942425	6942425	IRF1P	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG00000145188	9	11329793	11303376	RNF187	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG00000207547	7	10095490	10095493	MIR25	ncrna	miRNA	NO	NO	-0.153994	1.82E-01	-0.200257	1.08E-01	-0.088446	6.79E-01	-0.260389	1.90E-01	-0.136190	3.26E-01	-0.120665	5.83E-01	-0.090658	5.12E-01
ENSG0000017959	12	6056369	6056367	IRF1	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG00000206274	1	22470227	22471248	AL526301.1	ncrna	incRNA	YES	YES	-0.231118	4.31E-01	-0.186289	1.56E-01	-0.235454	2.37E-01	-0.260399	1.90E-01	-0.296243	3.96E-01	-0.120665	5.83E-01	-0.205420	5.12E-01
ENSG0000012881	1	16331692	16337383	CRAN2E	ncrna	processed_transcript	YES	YES	-0.146287	3.15E-01	-0.183395	2.02E-01	-0.140919	3.58E-01	-0.260397	1.90E-01	-0.165889	2.31E-01	-0.099324	6.66E-01	-0.1273456	5.48E-01
ENSG0000010484	16	5326653	5326380	IRF1P1	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG0000029959	5	47840122	47844339	AC107068.1	ncrna	incRNA	YES	YES	-0.119731	2.43E-01	-0.113741	4.01E-01	-0.068173	7.35E-01	-0.260413	1.90E-01	-0.206517	3.15E-01	-0.0945368	7.67E-01	-0.101042	3.92E-01
ENSG00000216908	13	2148384	21484174	H2BPE	ncrna	processed_transcript	YES	YES	-0.115729	3.14E-01	-0.161538	2.62E-01	-0.235934	3.11E-01	-0.260489	1.89E-01	-0.1156309	4.05E-01	-0.179138	4.13E-01	-0.207533	3.92E-01
ENSG0000017624	18	31174550	31218133	MXIC	ncrna	processed_transcript	YES	YES	-0.226193	2.15E-01	-0.229926	0.299241	-0.1055241	6.09E-01	-0.260501	1.89E-01	-0.304447	2.33E-01	-0.0881357	6.83E-01	-0.091471	5.98E-01
ENSG00000101190	20	6326991	6326994	IRF1P1	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG00000202511	9	7562999	75634057	ULNUP10	ncrna	unprocessed_transcript	NO	NO	-0.178502	1.26E-01	-0.101461	4.85E-01	-0.2368129	2.44E-01	-0.260579	1.89E-01	-0.260786	5.01E-01	-0.1460274	7.79E-01	-0.1460274	2.55E-01
ENSG0000014572	7	1280416	1280229	LSN1D	ncrna	processed_transcript	YES	YES	-0.200856	8.01E-01	-0.025162	8.55E-01	-0.0063489	9.74E-01	-0.260579	1.89E-01	-0.416078	1.91E-01	-0.1181522	5.91E-01	-0.0947278	7.94E-01
ENSG0000016488	12	1270649	1270649	IRF1	ncrna	processed_transcript	YES	YES	-0.154045	1.18E-01	-0.070961	6.01E-01	-0.200908	3.02E-01	-0.260599	1.89E-01	-0.192974	3.18E-01	-0.124259	8.96E-01	-0.109519	3.66E-01
ENSG00000244839	7	1342790	1343180	AC02863.1	ncrna	incRNA	NO	NO	-0.110925	3.95E-01	-0.118566	4.89E-01	-0.1068021	5.86E-01	-0.260649	1.89E-01	-0.1744029	2.07E-01	-0.0408635	6.04E-01	-0.089635	9.52E-01
ENSG00000207108	15	8076900	8077135	AC02380.2	ncrna	tagene	NO	NO	-0.227251	4.67E-01	-0.144516	2.84E-01	-0.232231	2.86E-01	-0.260661	1.89E-01	-0.131856	2.90E-01	-0.128098	5.60E-01	-0.19012	9.61E-01
ENSG0000015738	10	112711	112735	ADAR2	ncrna	processed_transcript	YES	YES	-0.129713	4.60E-01	-0.27258	5.64E-01	-0.260688	1.89E-01	-0.260729	1.89E-01	-0.389954	1.64E-01	-0.127179	5.35E-01	-0.26268	1.52E-01
ENSG00000101013	X	48890197	48903143	PQBP1	ncrna	processed_transcript	YES	YES	-0.163364	1.56E-01	-0.283325	4.63E-01	-0.2540003	2.00E-01	-0.260624	1.89E-01	-0.12395	4.74E-01	-0.174354	4.72E-01	-0.0208585	8.47E-01
ENSG00000112276	6	10598822	10613717	BFB	ncrna	processed_transcript	YES	YES	-0.208619	1.15E-01	-0.084903	1.44E-01	-0.067045	3.74E-01	-0.260734	1.89E-01	-0.385154	3.99E-01	-0.12077	4.22E-01	-0.141766	3.27E-01
ENSG00000204964	10	8713908	8714255	AC04591.2	ncrna	incRNA	NO	NO	-0.188473	1.01E-01	-0.148465	2.72E-01	-0.101894	5.97E-01	-0.260802	1.89E-01	-0.068689	5.41E-01	-0.03760	7.25E-01	-0.051429	7.24E-01
ENSG0000014774	15	8233690	8240489	IRF1P1	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG0000011481	12	5430120	5431846	COPI1	ncrna	processed_transcript	YES	YES	-0.067063	9.67E-01	-0.299939	8.06E-01	-0.0752397	7.09E-01	-0.260863	1.89E-01	-0.0711416	4.41E-01	-0.05395	7.41E-01	-0.0479881	5.49E-01
ENSG00000101208	14	5228679	5228988	AL38457.1	ncrna	incRNA	NO	NO	-0.049029	6.79E-01	-0.180296	1.31E-01	-0.1148317	5.69E-01	-0.260847	1.89E-01	-0.010844	9.40E-01	-0.1076654	5.95E-01	-0.1287578	9.74E-01
ENSG0000017975	1	524465	5245718	IRF1	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG00000202377	1	373511	374733	IRF1P1.5	ncrna	transcribed_unint	NO	NO	-0.301265	1.79E-01	-0.199248	1.65E-01	-0.110710	5.81E-01	-0.260893	1.89E-01	-0.434473	1.03E-01	-0.2099323	1.70E-01	-0.1013605	3.24E-01
ENSG00000206523	3	9612747	9612789	AC02115.1	ncrna	tagene	NO	NO	-0.080791	4.85E-01	-0.054513	7.69E-01	-0.057699	7.75E-01	-0.260904	1.89E-01	-0.184474	1.82E-01	-0.0989126	8.92E-01	-0.04651	8.64E-01
ENSG00000200382	1	1214213	1214213	IRF1	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG0000011819	1	1118935	1119581	ANGP17	ncrna	processed_transcript	YES	YES	-0.197708	8.47E-01	-0.045643	7.02E-01	-0.103273	6.08E-01	-0.260905	1.89E-01	-0.1221609	3.81E-01	-0.099045	8.21E-01	-0.0944575	5.14E-01
ENSG0000015621	10	7013781	7014670	TYSD1	ncrna	processed_transcript	YES	YES	-0.261298	4.80E-01	-0.142368	3.21E-01	-0.004867	9.74E-01	-0.260909	1.89E-01	-0.181033	4.47E-01	-0.0409939	5.79E-01	-0.1605519	2.48E-01
ENSG00000101923	1	1091783	1091783	IRF1	ncrna	processed_transcript	YES	YES	-0.021528	5.74E-01	-0.170288	1.37E-01	-0.159459	4.27E-01	-0.260434	1.90E-01	-0.312094	2.97E-01	-0.20355	6.91E-01	-0.183246	3.66E-01
ENSG0000019429	1	4569432	4570063	IRP	ncrna	processed_transcript	YES	YES	-0.068552	5.13E-01	-0.110551	4.00E-01	-0.089210	6.58E-01	-0.261028	1.89E-01	-0.181033	3.89E-01	-0.1954758	3.79E-01	-0.0810298	5.51E-01
ENSG00000147789	8	14482746	14484709	ZNF7	ncrna	processed_transcript	YES	YES	-0.020982	6.87E-01	-0.082912	5.67E-01	-0.164026	4.01E-01	-0.261035	1.88E-01	-0.134801	7.40E-01	-0.1015078	4.83E-01	-0.040201	8.15E-01
ENSG00000197046	1	9150083	9152576	DCC	ncrna	processed_transcript	YES	YES	-0.172852	1.21E-01	-0.119323	3.60E-01	-0.0857578	6.79E-01	-0.261048	1.88E-01	-0.20045	4.60E-01	-0.254527	6.03E-01	-0.102951	8.48E-01
ENSG00000108861	1	1244869	1244869	AC01820.1	ncrna	incRNA	NO	NO	-0.1244869	2.07E-01	-0.263638	1.89E-01	-0.1425266	6.12E-01	-0.261048	1.88E-01	-0.0938748	4.42E-01	-0.0938748	4.42E-01	-0.0938748	4.42E-01
ENSG00000147481	1	11846721	11847380	HSD18B1	ncrna	unprocessed_transcript	NO	NO	-0.115203	3.30E-01	-0.117806	4.18E-01	-0.047862	8.18E-01	-0.261074	1.88E-01	-0.161023	2.44E-01	-0.081224	6.56E-01	-0.081224	6.70E-01
ENSG0000010723	14	8652070	8652796	ZC3H4	ncrna	processed_transcript	YES	YES	-0.073348	8.29E-01	-0.384021	2.93E-01	-0.275022	1.72E-01	-0.261078	1.88E-01	-0.451033	2.28E-01	-0.0405203	5.49E-01	-0.129534	9.46E-01
ENSG00																						

ENSG0000019081	17	41255384	41256464	RTTAP9	lincRNA	protein_coding	-0.193949	2.27e-01	-0.103426	4.73e-01	0.0472379	8.14e-01	-0.261269	1.85e-01	-0.232709	9.11e-02	-0.1199018	5.86e-01	0.0462714	7.47e-01		
ENSG0000021476		22510616	22511999	FEF14196	protein_coding	protein_coding	-0.193938	9.91e-02	-0.249766	7.96e-01	0.0497268	8.01e-01	-0.263211	1.85e-01	-0.204707	1.39e-01	-0.157461	4.71e-01	-0.034338	8.18e-01		
ENSG0000014999	1	18964624	18964676	FPZ2	protein_coding	protein_coding	-0.193938	9.91e-02	-0.249766	7.96e-01	0.0497268	8.01e-01	-0.263211	1.85e-01	-0.204707	1.39e-01	-0.157461	4.71e-01	-0.034338	8.18e-01		
ENSG0000017501	11	8564242	8564159	SVY12	protein_coding	protein_coding	-0.231144	4.31e-01	-0.231144	1.56e-01	0.231144	2.41e-01	-0.263211	1.85e-01	-0.317649	1.92e-01	-0.3096243	1.41e-01	-0.1179483	4.15e-01		
ENSG0000021374	7	7737384	7737403	AC115421.1	antisenseRNA	antisenseRNA	YES	YES	-0.128148	2.67e-01	-0.022465	8.70e-01	0.1451180	4.70e-01	0.2632994	1.84e-01	0.2033911	5.42e-01	0.167244	4.46e-01	-0.0027908	9.90e-01
ENSG0000020960	4	17406212	17406218	FPZ2	protein_coding	protein_coding	-0.240892	1.62e-01	-0.240892	1.62e-01	0.240892	1.62e-01	-0.263211	1.85e-01	-0.204707	1.39e-01	-0.157461	4.71e-01	-0.034338	8.18e-01		
ENSG0000014833	18	6949431	6920848	TUBB8A	antisenseRNA	antisenseRNA	-0.0554087	6.32e-01	-0.0554087	7.99e-01	0.1543178	4.42e-01	-0.2634991	1.84e-01	-0.1424359	3.80e-01	0.0412014	0.375e-01	0.0067624	9.52e-01		
ENSG0000012548	8	6436079	6462023	SLC25A23	antisenseRNA	antisenseRNA	-0.2521196	3.91e-01	-0.2521196	3.91e-01	0.2521196	3.91e-01	-0.2634541	1.84e-01	-0.3859796	1.95e-01	-0.1556847	4.78e-01	-0.0788897	5.86e-01		
ENSG0000019659	18	72152936	72152936	AC115421.1	antisenseRNA	antisenseRNA	YES	YES	-0.203226	1.56e-01	-0.203226	1.56e-01	-0.2634541	1.84e-01	-0.3859796	1.95e-01	-0.1556847	4.78e-01	-0.0788897	5.86e-01		
ENSG0000016519	19	591239	591211	CAPS	antisenseRNA	antisenseRNA	-0.2079396	6.58e-01	-0.2079396	6.58e-01	0.2079396	6.58e-01	-0.2634541	1.84e-01	-0.3859796	1.95e-01	-0.1556847	4.78e-01	-0.0788897	5.86e-01		
ENSG0000020484	2	21867209	218702716	VTX6	antisenseRNA	antisenseRNA	-0.2241502	5.00e-01	-0.2241502	5.00e-01	0.2241502	5.00e-01	-0.2634848	1.84e-01	-0.2634848	1.84e-01	-0.2634848	1.84e-01	-0.2634848	1.84e-01		
ENSG0000013366	1	25666022	25667053	AC115421.1	antisenseRNA	antisenseRNA	YES	YES	-0.203226	1.56e-01	-0.203226	1.56e-01	-0.2634541	1.84e-01	-0.3859796	1.95e-01	-0.1556847	4.78e-01	-0.0788897	5.86e-01		
ENSG0000020484	5	28763440	28764151	AC05876.4	antisenseRNA	antisenseRNA	-0.1545513	3.44e-01	-0.1545513	3.44e-01	0.1545513	3.44e-01	-0.2634541	1.84e-01	-0.2634541	1.84e-01	-0.2634541	1.84e-01	-0.2634541	1.84e-01		
ENSG0000021177	16	86081409	86089236	AC115012.1	antisenseRNA	antisenseRNA	YES	YES	-0.1760712	1.90e-01	-0.1760712	1.90e-01	-0.2632524	1.84e-01	-0.3991804	2.79e-01	-0.1031313	6.40e-01	-0.1488331	3.02e-01		
ENSG0000020639	4	17509318	17511764	AC093849.2	antisenseRNA	antisenseRNA	-0.1776897	1.23e-01	-0.1776897	1.23e-01	0.1776897	1.23e-01	-0.2632881	1.84e-01	-0.2632881	1.84e-01	-0.2632881	1.84e-01	-0.2632881	1.84e-01		
ENSG0000021420	10	4634849	4634907	ANTYR21	antisenseRNA	antisenseRNA	-0.1997134	8.02e-01	-0.1997134	8.02e-01	0.1997134	8.02e-01	-0.2632947	1.84e-01	-0.2632947	1.84e-01	-0.2632947	1.84e-01	-0.2632947	1.84e-01		
ENSG0000017849	3	4901548	4902293	DIAD3	antisenseRNA	antisenseRNA	-0.2436803	4.98e-01	-0.2436803	4.98e-01	0.2436803	4.98e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021794	19	1176241	1177999	CPYAP2	antisenseRNA	antisenseRNA	YES	YES	-0.2241673	5.00e-01	-0.2241673	5.00e-01	0.2634346	1.84e-01	-0.1447239	3.02e-01	0.167244	4.46e-01	-0.0788897	5.86e-01		
ENSG0000021587	12	2282708	2289978	FPZ2	antisenseRNA	antisenseRNA	YES	YES	-0.113192	1.35e-01	-0.113192	1.35e-01	0.16764	2.44e-01	0.16764	2.44e-01	-0.2431561	7.44e-01	0.149917	4.95e-01	0.016189	9.04e-01
ENSG0000020701	2	1578702	158136154	LUPP2	antisenseRNA	antisenseRNA	YES	YES	-0.158887	1.68e-01	-0.158887	1.68e-01	0.0883929	3.11e-01	-0.365566	1.84e-01	-0.2525313	1.01e-01	-0.153644	4.84e-01	-0.021661	8.81e-01
ENSG00000216424	2	13183936	131861823	LINC0214	antisenseRNA	antisenseRNA	YES	YES	-0.1706475	1.88e-01	-0.1706475	1.88e-01	0.14718	4.70e-01	-0.2632881	1.84e-01	-0.2525313	1.01e-01	-0.0907148	7.52e-01	-0.1171193	4.18e-01
ENSG0000020701	1	25666022	25667053	AC115421.1	antisenseRNA	antisenseRNA	YES	YES	-0.203226	1.56e-01	-0.203226	1.56e-01	-0.2634541	1.84e-01	-0.3859796	1.95e-01	-0.1556847	4.78e-01	-0.0788897	5.86e-01		
ENSG0000020501	17	6395052	6393321	AC09828.2	antisenseRNA	antisenseRNA	-0.1904278	2.97e-01	-0.1904278	2.97e-01	0.1904278	2.97e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021476	7	41723780	4178885	SEPTIN7B	antisenseRNA	antisenseRNA	-0.088125	1.37e-01	-0.088125	1.37e-01	0.088125	1.37e-01	-0.2632774	1.84e-01	-0.364274	2.78e-01	-0.1097736	8.29e-01	-0.1124818	4.37e-01		
ENSG00000212015	1	7783559	7783983	HSPJ225	antisenseRNA	antisenseRNA	-0.0979729	3.99e-01	-0.0979729	3.99e-01	0.0979729	3.99e-01	-0.2632881	1.84e-01	-0.3859796	1.95e-01	-0.1556847	4.78e-01	-0.0788897	5.86e-01		
ENSG0000021336	1	3832544	3832700	AC01836.2	antisenseRNA	antisenseRNA	YES	YES	-0.1788848	1.31e-01	-0.1788848	1.31e-01	0.1637989	2.44e-01	0.1637989	2.44e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01		
ENSG0000021438	16	848525	848505	AUG108.1	antisenseRNA	antisenseRNA	-0.1717665	1.51e-01	-0.1717665	1.51e-01	0.1717665	1.51e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021330	1	1484310	1484380	AC114993.1	antisenseRNA	antisenseRNA	-0.1917474	2.27e-01	-0.1917474	2.27e-01	0.1917474	2.27e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021394	1	4486154	4486153	AC01836.2	antisenseRNA	antisenseRNA	-0.0280611	0.36e-01	-0.0280611	0.36e-01	0.0280611	0.36e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021693	19	89046	90783	AC00573.1	antisenseRNA	antisenseRNA	-0.0808584	4.85e-01	-0.0808584	4.85e-01	0.0808584	4.85e-01	-0.2634951	1.83e-01	-0.143123	6.01e-01	-0.1103208	6.06e-01	-0.0296305	6.01e-01		
ENSG0000021073	20	31877373	31881109	ZNF341.1	antisenseRNA	antisenseRNA	YES	YES	-0.1521243	1.98e-01	-0.1521243	1.98e-01	0.1033818	2.97e-01	0.1033818	2.97e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01		
ENSG0000013076	1	6436079	6462023	SLC25A23	antisenseRNA	antisenseRNA	-0.2521196	3.91e-01	-0.2521196	3.91e-01	0.2521196	3.91e-01	-0.2634541	1.84e-01	-0.3859796	1.95e-01	-0.1556847	4.78e-01	-0.0788897	5.86e-01		
ENSG00000217424	4	16543436	16575767	AC00079.2	antisenseRNA	antisenseRNA	-0.1552466	1.89e-01	-0.1552466	1.89e-01	0.1552466	1.89e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021494	4	1136581	1138075	AC00782.2	antisenseRNA	antisenseRNA	YES	YES	-0.1737165	1.11e-01	-0.1737165	1.11e-01	0.2634794	2.00e-01	0.2634794	2.00e-01	-0.2321444	9.12e-01	-0.0991546	6.53e-01	0.10754408	4.65e-01
ENSG0000021789	1	13200249	13200249	FPZ2	antisenseRNA	antisenseRNA	YES	YES	-0.1904278	2.97e-01	-0.1904278	2.97e-01	0.1904278	2.97e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01
ENSG0000021895	12	11349592	11320846	EPAD2	antisenseRNA	antisenseRNA	-0.233876	4.00e-01	-0.233876	4.00e-01	0.233876	4.00e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021653	10	49014236	49115522	VTM2A	antisenseRNA	antisenseRNA	-0.2415004	4.00e-01	-0.2415004	4.00e-01	0.2415004	4.00e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG000002133	13	56071423	56071423	CDNF2	antisenseRNA	antisenseRNA	-0.1847023	1.08e-01	-0.1847023	1.08e-01	0.1847023	1.08e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021386	1	3832544	3832700	AC01836.2	antisenseRNA	antisenseRNA	-0.1974869	2.69e-01	-0.1974869	2.69e-01	0.1974869	2.69e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021620	17	2054341	2053963	TBC1D30	antisenseRNA	antisenseRNA	-0.211136	6.34e-01	-0.211136	6.34e-01	0.211136	6.34e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021940	11	12415841	12415936	CRD10P	antisenseRNA	antisenseRNA	-0.2261301	4.79e-01	-0.2261301	4.79e-01	0.2261301	4.79e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021932	1	4486154	4486153	AC01836.2	antisenseRNA	antisenseRNA	-0.0280611	0.36e-01	-0.0280611	0.36e-01	0.0280611	0.36e-01	-0.2632947	1.84e-01	-0.317460	1.91e-01	-0.11729	6.12e-01	-0.218518	1.66e-01		
ENSG0000021239	18	130374	1302784	AC01918.1	antisenseRNA	antisenseRNA	-0.2578764															

ENSG00000140871	16	77247813	77435034	ADAMTS18	ensembl	havana	protein_coding	YES	YES	-0.248957	3.98E-05	-0.111299	4.42E-01	-0.127383	5.77E-01	-0.266010	1.80E-01	-0.382676	4.27E-01	-0.146679	5.04E-01	-0.146662	3.09E-01	
ENSG00000159311	11	61496460	61506490	ADAMTS18	ensembl	havana	protein_coding	YES	YES	-0.262948	7.19E-02	-0.115740	4.21E-01	-0.147123	5.81E-01	-0.266044	1.80E-01	-0.311748	3.98E-01	-0.082495	7.09E-01	-0.181703	4.20E-01	
ENSG00000145448	17	82242404	82232352	ADAMTS18	ensembl	havana	protein_coding	YES	YES	-0.262948	7.19E-02	-0.115740	4.21E-01	-0.147123	5.81E-01	-0.266044	1.80E-01	-0.311748	3.98E-01	-0.082495	7.09E-01	-0.181703	4.20E-01	
ENSG00000174500	3	11212839	11313270	AGSNAP	ensembl	havana	protein_coding	YES	YES	-0.82435	5.98E-04	-0.176863	0.930009	5.18E-01	-0.266120	1.80E-01	-0.330760	4.27E-01	-0.212319	3.98E-01	-0.178429	3.79E-01	-0.178429	3.79E-01
ENSG00000148431	11	8709474	8709085	AIAP2	ensembl	havana	protein_coding	YES	YES	-0.262950	4.79E-02	-0.121294	1.38E-01	-0.146717	4.60E-01	-0.266122	1.80E-01	-0.276723	4.28E-01	-0.143277	5.14E-01	-0.158426	2.72E-01	
ENSG00000139771	17	82242404	82232352	AIAP2	ensembl	havana	protein_coding	YES	YES	-0.262950	4.79E-02	-0.121294	1.38E-01	-0.146717	4.60E-01	-0.266122	1.80E-01	-0.276723	4.28E-01	-0.143277	5.14E-01	-0.158426	2.72E-01	
ENSG00000143101	3	17105444	17146408	AINP	ensembl	havana	protein_coding	YES	YES	-0.885228	1.25E-03	-0.172963	0.784645	-0.181826	5.57E-01	-0.266258	1.78E-01	-0.230599	3.94E-01	-0.064608	1.28E-01	-0.182631	2.47E-01	
ENSG00000195986	16	1782831	1789186	AINP2	ensembl	havana	protein_coding	YES	YES	-0.309461	6.16E-02	-0.234802	1.60E-01	-0.108766	5.91E-01	-0.266266	1.79E-01	-0.424029	3.96E-01	-0.164360	6.42E-01	-0.005274	9.71E-01	
ENSG00000190131	17	82242404	82232352	AINP2	ensembl	havana	protein_coding	YES	YES	-0.309461	6.16E-02	-0.234802	1.60E-01	-0.108766	5.91E-01	-0.266266	1.79E-01	-0.424029	3.96E-01	-0.164360	6.42E-01	-0.005274	9.71E-01	
ENSG00000125157	5	5480510	5487251	CPSP48	ensembl	havana	protein_coding	YES	YES	-0.356967	2.95E-02	-0.105919	2.77E-01	-0.126079	7.48E-01	-0.266279	1.79E-01	-0.333581	4.48E-01	-0.231566	6.40E-01	-0.192933	3.71E-01	
ENSG00000144834	3	11199879	11031387	TAGLN3	ensembl	havana	protein_coding	YES	YES	-0.205917	7.24E-01	-0.185848	1.96E-01	-0.004434	9.83E-01	-0.266287	1.79E-01	-0.274207	4.48E-01	-0.017088	4.39E-01	-0.009358	6.34E-01	
ENSG00000145448	17	82242404	82232352	TAGLN3	ensembl	havana	protein_coding	YES	YES	-0.205917	7.24E-01	-0.185848	1.96E-01	-0.004434	9.83E-01	-0.266287	1.79E-01	-0.274207	4.48E-01	-0.017088	4.39E-01	-0.009358	6.34E-01	
ENSG0000013827	8	13421185	13432047	AC10510.1	ensembl	havana	protein_coding	YES	YES	-0.185979	1.07E-01	-0.153207	2.91E-01	-0.147677	4.62E-01	-0.266304	1.79E-01	-0.254558	4.48E-01	-0.033007	9.89E-01	-0.011741	5.24E-01	
ENSG00000121484	10	97136875	97138770	E1AFAP1	ensembl	havana	protein_coding	YES	YES	-0.220542	1.61E-01	-0.172320	2.31E-01	-0.067170	2.93E-01	-0.266305	1.79E-01	-0.298115	2.85E-01	-0.078497	7.22E-01	-0.028254	5.62E-01	
ENSG00000194759	18	5804426	5801540	NEPAL	ensembl	havana	protein_coding	YES	YES	-0.220917	8.10E-02	-0.101985	5.23E-01	-0.175187	3.81E-01	-0.266314	1.79E-01	-0.400642	3.17E-01	-0.089652	6.84E-01	-0.144779	3.72E-01	
ENSG00000192119	17	16049319	16066784	AC00800.1	ensembl	havana	protein_coding	YES	YES	-0.221408	4.29E-01	-0.184809	2.46E-01	-0.207977	2.81E-01	-0.266319	1.79E-01	-0.301838	4.68E-01	-0.051456	3.98E-01	-0.021197	1.36E-01	
ENSG00000124048	6	149217926	14924554	AD10105.1	ensembl	havana	protein_coding	YES	YES	-0.22424	8.06E-01	-0.185154	1.91E-01	-0.186653	3.44E-01	-0.266317	1.79E-01	-0.286127	3.60E-01	-0.164652	4.77E-01	-0.148045	2.25E-01	
ENSG00000144774	2	20282036	20287225	MGAT14P	ensembl	havana	transcribed_unit	YES	YES	-0.176256	1.25E-01	-0.204552	6.60E-01	-0.204552	1.89E-01	-0.266319	1.79E-01	-0.290712	3.90E-01	-0.142027	6.02E-01	-0.188647	2.67E-01	
ENSG00000118961	17	82242404	82232352	MGAT14P	ensembl	havana	transcribed_unit	YES	YES	-0.176256	1.25E-01	-0.204552	6.60E-01	-0.204552	1.89E-01	-0.266319	1.79E-01	-0.290712	3.90E-01	-0.142027	6.02E-01	-0.188647	2.67E-01	
ENSG00000180764	10	97858191	97861440	PIPSL	ensembl	havana	transcribed_protein	YES	YES	-0.177876	1.22E-01	-0.148487	3.03E-01	-0.267876	1.79E-01	-0.266317	1.79E-01	-0.270027	4.80E-01	-0.057512	7.74E-01	-0.038386	8.49E-01	
ENSG0000017510	10	8291515	8294482	AC01451.1	ensembl	havana	transcribed_protein	YES	YES	-0.181462	1.14E-01	-0.148877	2.88E-01	-0.148494	4.72E-01	-0.266328	1.79E-01	-0.236523	8.51E-01	-0.171908	5.92E-01	-0.137344	3.92E-01	
ENSG00000144909	3	12150522	12137992	AD011.1	ensembl	havana	protein_coding	YES	YES	-0.224188	2.66E-01	-0.107638	5.32E-01	-0.090738	8.41E-01	-0.266327	1.79E-01	-0.387233	3.80E-01	-0.021266	6.79E-01	-0.053793	5.56E-01	
ENSG00000121332	6	73899704	73887717	DOEP-AS1	ensembl	havana	protein_coding	YES	YES	-0.086426	4.55E-01	-0.131566	4.02E-01	-0.361552	4.21E-01	-0.266393	1.79E-01	-0.172743	3.98E-01	-0.004909	7.85E-01	-0.016342	8.12E-01	
ENSG00000121540	9	8594146	8602546	HAAS1	ensembl	havana	protein_coding	YES	YES	-0.082131	6.05E-01	-0.109847	1.88E-01	-0.098847	6.24E-01	-0.2664	1.79E-01	-0.452449	3.56E-01	-0.131458	1.36E-01	-0.114974	4.77E-01	
ENSG00000125576	3	18699877	18694254	NCBP2-AS1	ensembl	havana	protein_coding	YES	YES	-0.112138	3.31E-01	-0.104982	4.68E-01	-0.474970	2.22E-01	-0.266407	1.79E-01	-0.134825	5.34E-01	-0.120848	5.83E-01	-0.087631	1.94E-01	
ENSG00000128261	3	4290642	4293934	ENRFB	ensembl	havana	protein_coding	YES	YES	-0.20809	1.83E-01	-0.149877	8.94E-01	-0.096895	6.81E-01	-0.266489	1.79E-01	-0.371566	8.97E-01	-0.088663	7.16E-01	-0.004909	9.75E-01	
ENSG00000124321	8	3686974	3678485	AC00811.1	ensembl	havana	protein_coding	YES	YES	-0.171821	1.85E-01	-0.105812	2.86E-01	-0.171689	3.75E-01	-0.266491	1.79E-01	-0.269373	8.89E-01	-0.04244	3.58E-01	-0.154514	3.94E-01	
ENSG00000172215	12	4249386	4248623	AC01900.1	ensembl	havana	protein_coding	YES	YES	-0.102193	3.76E-01	-0.118813	4.11E-01	-0.129549	5.19E-01	-0.266504	1.79E-01	-0.101236	2.44E-01	-0.084988	9.62E-01	-0.056983	3.66E-01	
ENSG00000101018	17	82242404	82232352	AC01900.1	ensembl	havana	protein_coding	YES	YES	-0.102193	3.76E-01	-0.118813	4.11E-01	-0.129549	5.19E-01	-0.266504	1.79E-01	-0.101236	2.44E-01	-0.084988	9.62E-01	-0.056983	3.66E-01	
ENSG00000199117	27	20495913	20587632	MEIS1	ensembl	havana	protein_coding	YES	YES	-0.195881	2.26E-01	-0.104972	1.17E-01	-0.266581	1.79E-01	-0.137577	3.21E-01	-0.015884	9.37E-01	-0.003213	9.61E-01	-0.002281	9.61E-01	
ENSG0000019884	15	5055701	5056000	AC0475.1	ensembl	havana	protein_coding	YES	YES	-0.018916	8.70E-01	-0.096127	5.07E-01	-0.118119	5.57E-01	-0.266548	1.79E-01	-0.061849	5.57E-01	-0.097132	7.18E-01	-0.005029	6.97E-01	
ENSG0000013798	1	8173688	8174000	PRK8	ensembl	havana	protein_coding	YES	YES	-0.185100	2.66E-01	-0.129722	3.84E-01	-0.129722	3.84E-01	-0.266551	1.79E-01	-0.285100	4.28E-01	-0.238951	8.02E-01	-0.028951	8.02E-01	
ENSG00000140773	5	1708506	1708552	RPS4X5	ensembl	havana	protein_coding	YES	YES	-0.160719	6.02E-01	-0.172229	5.58E-01	-0.054554	7.87E-01	-0.266561	1.79E-01	-0.118169	6.91E-01	-0.009049	4.09E-01	-0.008006	6.97E-01	
ENSG00000174710	1	20272018	20275005	ZNF87.2	ensembl	havana	protein_coding	YES	YES	-0.186814	1.04E-01	-0.121365	3.74E-01	-0.138667	4.88E-01	-0.266565	1.79E-01	-0.295785	2.99E-01	-0.154578	6.35E-01	-0.030214	7.88E-01	
ENSG00000158971	1	8247978	8245489	NOX4	ensembl	havana	protein_coding	YES	YES	-0.131916	2.55E-01	-0.200963	4.56E-01	-0.091768	7.82E-01	-0.266567	1.79E-01	-0.262848	3.18E-01	-0.172284	3.48E-01	-0.072284	3.48E-01	
ENSG00000101748	18	1385110	13425292	NOLA	ensembl	havana	protein_coding	YES	YES	-0.136039	2.98E-01	-0.101921	4.99E-01	-0.119029	5.44E-01	-0.266588	1.79E-01	-0.211754	1.15E-01	-0.134538	4.20E-01	-0.081191	7.98E-01	
ENSG00000121731	3	1492031	1494824	IFG0-AS1	ensembl	havana	protein_coding	YES	YES	-0.252829	2.50E-01	-0.203503	1.61E-01	-0.203503	1.61E-01	-0.266613	1.79E-01	-0.333874	4.60E-01	-0.062789	7.26E-01	-0.174512	2.48E-01	
ENSG00000124905	4	6210960	6210649	PIPSL17	ensembl	havana	protein_coding	YES	YES	-0.054208	6.06E-01	-0.117429	2.46E-01	-0.078017	6.99E-01	-0.266613	1.79E-01	-0.019199	6.71E-01	-0.012173	6.26E-01	-0.008922	5.09E-01	
ENSG0000015479	1	8249804	8249804	DOE11.1	ensembl	havana	protein_coding	YES	YES	-0.138887	3.64E-01	-0.147883	3.06E-01	-0.227502	2.54E-01	-0.266618	1.79E-01	-0.336733	2.88E-01	-0.142657	6.10E-01	-0.190078	1.96E-01	
ENSG0000016357	17	7043432	7043412	LINC02074	ensembl	havana	protein_coding	YES	YES	-0.138887	3.64E-01	-0.147883	3.06E-01	-0.227502	2.54E-01	-0.266618	1.79E-01	-0.336733	2.88E-01					

Table with columns for gene ID, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as ITIH4, RNF123, and others, with associated genomic coordinates and multiple numerical data points.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript ID, and various numerical values. The table lists numerous genes such as SNAI3, RAB61A, and others, along with their genomic locations and associated data points.

ENSG0000028712	11	119189638	119196769	CCDC153	ensembl	havana	protein coding	-0.300239	7.97E-08	-0.1218503	2.70E-02	-0.128647	5.8E-01	-0.2857139	1.49E-01	-0.303880	2.49E-02	-0.302689	1.60E-01	-0.2210238	1.23E-01
ENSG0000024973	8	14175413	14177170	AC052193	transcript	antisense	antisense	-0.174438	2.01E-01	-0.167241	2.46E-01	-0.181860	3.64E-01	-0.287783	1.49E-01	-0.208711	1.30E-01	-0.168844	7.56E-01	-0.086072	7.80E-01
ENSG0000024686	1	81149776	81174900	AL136466.2	transcript	antisense	antisense	-0.174438	2.01E-01	-0.167241	2.46E-01	-0.181860	3.64E-01	-0.287783	1.49E-01	-0.208711	1.30E-01	-0.168844	7.56E-01	-0.086072	7.80E-01
ENSG0000024690	10	4051726	4080013	AC05282.2	transcript	antisense	antisense	-0.173772	2.12E-01	-0.185644	8.98E-01	-0.222467	2.61E-01	-0.287518	1.48E-01	-0.276758	4.54E-01	-0.1988118	1.84E-01	-0.0791121	5.80E-01
ENSG0000024891	17	5659709	5659641	AC05282.2	transcript	antisense	antisense	-0.300083	7.89E-08	-0.194388	7.49E-02	-0.188897	3.46E-01	-0.285001	1.47E-01	-0.176407	5.03E-01	-0.179562	4.22E-01	-0.181998	2.06E-01
ENSG0000024892	17	5659709	5659641	AC05282.2	transcript	antisense	antisense	-0.300083	7.89E-08	-0.194388	7.49E-02	-0.188897	3.46E-01	-0.285001	1.47E-01	-0.176407	5.03E-01	-0.179562	4.22E-01	-0.181998	2.06E-01
ENSG0000024545	22	2410188	2410354	AC13536.3	transcript	antisense	antisense	-0.024608	6.50E-01	-0.014108	4.75E-01	-0.048236	4.61E-01	-0.285266	1.48E-01	-0.104053	4.53E-01	-0.0958396	6.84E-01	-0.1130567	4.34E-01
ENSG0000027218	10	1301649	13010498	AL13931.1	transcript	antisense	antisense	-0.117764	3.08E-01	-0.12773	3.78E-01	-0.0884651	6.76E-01	-0.282882	1.48E-01	-0.164313	2.35E-01	-0.121249	5.82E-01	-0.106773	4.61E-01
ENSG0000024204	1	1300050	1300103	AC05282.2	transcript	antisense	antisense	-0.024608	6.50E-01	-0.014108	4.75E-01	-0.048236	4.61E-01	-0.285266	1.48E-01	-0.104053	4.53E-01	-0.0958396	6.84E-01	-0.1130567	4.34E-01
ENSG0000023975	13	9817598	9817769	BNF118	transcript	antisense	antisense	-0.279107	1.00E-02	-0.258327	1.15E-01	-0.212779	2.88E-01	-0.285727	1.48E-01	-0.163213	7.05E-01	-0.124423	7.50E-01	-0.146423	2.02E-01
ENSG0000024054	3	6386645	6386819	THOX7.A1	transcript	antisense	antisense	-0.189848	9.82E-01	-0.237694	9.65E-01	-0.1993939	3.32E-01	-0.285448	1.48E-01	-0.209439	1.29E-01	-0.141269	5.19E-01	-0.0004974	7.97E-01
ENSG0000024623	3	6383383	6386269	AC052193	transcript	antisense	antisense	-0.185518	2.36E-01	-0.200779	2.42E-01	-0.2038053	2.86E-01	-0.285659	1.48E-01	-0.183466	1.84E-01	-0.082874	7.29E-01	-0.028274	3.86E-01
ENSG0000024934	22	2747827	2780156	WNT1	transcript	antisense	antisense	-0.24009	3.40E-01	-0.180279	5.75E-01	-0.370205	8.56E-01	-0.286078	1.48E-01	-0.186693	3.87E-01	-0.182791	5.07E-01	-0.254129	4.79E-01
ENSG0000020842	14	2315640	2316572	EFS	transcript	antisense	antisense	-0.184233	2.54E-01	-0.051574	2.84E-01	-0.286105	1.48E-01	-0.204939	1.48E-01	-0.084991	3.74E-01	-0.142434	5.10E-01	-0.045435	7.07E-01
ENSG0000021807	11	702047	7015126	NLIP4	transcript	antisense	antisense	-0.205429	7.31E-02	-0.081342	5.37E-01	-0.057420	7.76E-01	-0.286112	1.48E-01	-0.131149	1.48E-01	-0.198897	5.24E-01	-0.088776	5.40E-01
ENSG0000021807	11	702047	7015126	NLIP4	transcript	antisense	antisense	-0.205429	7.31E-02	-0.081342	5.37E-01	-0.057420	7.76E-01	-0.286112	1.48E-01	-0.131149	1.48E-01	-0.198897	5.24E-01	-0.088776	5.40E-01
ENSG0000024861	5	3988876	3988909	BCG01	transcript	antisense	antisense	-0.191294	2.92E-01	-0.240017	1.02E-01	-0.126555	5.29E-01	-0.286211	1.48E-01	-0.214210	1.19E-01	-0.145423	6.35E-01	-0.107649	4.37E-01
ENSG00000219151	11	2704025	2717809	ICBPI1	transcript	antisense	antisense	-0.127113	3.77E-01	-0.173843	2.74E-01	-0.2051367	3.04E-01	-0.285122	1.48E-01	-0.130511	3.44E-01	-0.144672	4.53E-01	-0.170647	2.19E-01
ENSG0000024682	19	7017276	7046549	TMEM120A	transcript	antisense	antisense	-0.20279	8.87E-01	-0.184844	1.75E-01	-0.029084	1.18E-01	-0.285243	1.48E-01	-0.144236	7.99E-01	-0.1272607	1.33E-01	-0.070204	9.06E-01
ENSG0000021280	8	5611294	56113882	MOS	transcript	antisense	antisense	-0.088265	2.97E-01	-0.108265	5.38E-01	-0.074388	7.01E-01	-0.286264	1.48E-01	-0.194808	5.58E-01	-0.10175	6.86E-01	-0.090135	5.37E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398	1.56E-01	-0.084178	7.03E-01	-0.127639	3.71E-01
ENSG0000024884	13	8011573	8013468	AL13778.1	transcript	antisense	antisense	-0.174992	1.28E-01	-0.112692	4.36E-01	-0.149066	4.54E-01	-0.286391	1.48E-01	-0.271398					

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as LINC02519, LINC02520, LINC02521, etc., with their corresponding genomic data.

ENSG0000024559	11	203623	205470	+	AC09287.2	havana	incRNA	ncrna coding	YES	YES	-0.230812	4.34e-05	-0.400002	3.32e-01	-0.229240	2.50e-01	-0.302028	1.26e-01	-0.367344	2.26e-01	0.193276	3.77e-01	-0.049734	7.31e-01	
ENSG0000024560		302420	302417	+	MALDI8A	havana	mRNA	protein coding	YES	YES	-0.18789	1.01e-01	-0.271095	1.49e-01	-0.026516	9.98e-01	-0.302162	1.24e-01	-0.251187	6.49e-01	0.122236	5.44e-01	-0.031576	5.17e-01	
ENSG0000024561		1313860	1313860	+	LOC101928	havana	incRNA	ncrna coding	YES	YES	-0.131386	1.01e-01	-0.131386	1.01e-01	-0.131386	1.01e-01	-0.131386	1.01e-01	-0.131386	1.01e-01	0.096371	7.77e-01	-0.030673	7.82e-01	
ENSG0000024562		15337982	15338099	+	LAMP4BP1	havana	mRNA	protein coding	YES	YES	-0.138704	2.36e-01	-0.086375	5.50e-01	-0.081823	3.76e-01	-0.302188	1.26e-01	-0.236611	4.40e-01	-0.077345	5.24e-01	-0.090531	5.31e-01	
ENSG0000024563		26270754	26204258	+	LOC102537	havana	mRNA	protein coding	YES	YES	-0.178397	1.20e-01	-0.077163	5.91e-01	-0.243091	2.21e-01	-0.302245	1.25e-01	-0.236057	5.33e-01	0.440379	3.05e-01	0.043402	9.74e-01	
ENSG0000024564		19294387	19322743	+	LOC102537	havana	mRNA	protein coding	YES	YES	-0.178397	1.20e-01	-0.077163	5.91e-01	-0.243091	2.21e-01	-0.302245	1.25e-01	-0.236057	5.33e-01	0.440379	3.05e-01	0.043402	9.74e-01	
ENSG0000024565		11929865	11929912	+	RPS4P21	havana	mRNA	protein coding	YES	YES	-0.172126	1.34e-01	-0.117774	2.81e-01	-0.185228	3.55e-01	-0.302356	1.25e-01	-0.236843	5.33e-01	0.326297	3.79e-01	-0.090715	9.47e-01	
ENSG0000024566		2489474	2484748	+	KIAA1217	havana	mRNA	protein coding	YES	YES	-0.274178	1.58e-01	-0.148995	3.24e-01	-0.162948	4.17e-01	-0.302384	1.25e-01	-0.437487	9.37e-01	0.104541	6.36e-01	-0.144897	3.02e-01	
ENSG0000024567		15148536	15172487	+	NEB	havana	mRNA	protein coding	YES	YES	-0.196889	8.59e-01	-0.069881	7.52e-01	-0.112943	3.11e-01	-0.302439	1.25e-01	-0.371541	6.95e-01	0.104541	6.36e-01	-0.090715	9.47e-01	
ENSG0000024568		12865962	12865991	+	CCP1A	havana	mRNA	protein coding	YES	YES	-0.086221	4.75e-01	-0.094273	5.51e-01	-0.202642	8.19e-01	-0.302467	1.25e-01	-0.138894	3.24e-01	0.075347	7.33e-01	-0.044401	8.12e-01	
ENSG0000024569		14424402	14423375	+	RYR2C3	havana	transcripted unprec	ncrna	ncrna coding	YES	YES	-0.108127	8.17e-01	-0.122686	2.80e-01	-0.241631	4.20e-01	-0.302778	1.25e-01	-0.293156	1.24e-01	0.110803	6.16e-01	-0.066027	3.66e-01
ENSG0000024570		13803774	13803766	+	AC113392.1	havana	mRNA	protein coding	YES	YES	-0.252747	4.84e-01	-0.195768	1.85e-01	-0.1339662	5.06e-01	-0.302784	1.25e-01	-0.333461	9.70e-01	0.070341	6.00e-01	0.084571	8.12e-01	
ENSG0000024571		15691532	15696226	+	ITM14	havana	mRNA	protein coding	YES	YES	-0.226781	6.73e-01	-0.028845	1.56e-01	-0.0120138	9.51e-01	-0.302526	1.25e-01	-0.329034	5.01e-01	0.118979	3.85e-01	-0.093272	5.88e-01	
ENSG0000024572		15978912	15978948	+	MMP8	havana	mRNA	protein coding	YES	YES	-0.054869	4.37e-01	-0.020316	6.77e-01	-0.155113	4.31e-01	-0.302526	1.25e-01	-0.115443	4.06e-01	0.1121354	6.10e-01	-0.029624	3.19e-01	
ENSG0000024573		4278402	42627147	+	LOC101928	havana	mRNA	protein coding	YES	YES	-0.128127	8.17e-01	-0.122686	2.80e-01	-0.241631	4.20e-01	-0.302778	1.25e-01	-0.293156	1.24e-01	0.110803	6.16e-01	-0.066027	3.66e-01	
ENSG0000024574		6867920	6894342	+	AD1835.01	havana	mRNA	protein coding	YES	YES	-0.199452	8.77e-01	-0.202513	1.53e-01	-0.060263	7.64e-01	-0.302648	1.25e-01	-0.262124	8.47e-01	0.106248	6.97e-01	-0.080067	5.57e-01	
ENSG0000024575		11204446	11209794	+	UBAS	havana	mRNA	protein coding	YES	YES	-0.214225	6.13e-01	-0.077890	6.96e-01	-0.077890	6.96e-01	-0.302671	1.25e-01	-0.252572	5.75e-01	0.026746	9.76e-01	0.037117	8.22e-01	
ENSG0000024576		16509043	16509269	+	AC105381.1	havana	mRNA	protein coding	YES	YES	-0.100921	1.90e-01	-0.103312	2.41e-01	-0.209448	2.61e-01	-0.302688	1.25e-01	-0.187866	3.74e-01	0.123001	5.76e-01	-0.044904	2.52e-01	
ENSG0000024577		69396113	69437628	+	NAU1	havana	mRNA	protein coding	YES	YES	-0.129441	2.62e-01	-0.174161	5.40e-01	-0.1105447	5.84e-01	-0.302745	1.25e-01	-0.080770	5.62e-01	0.072461	6.45e-01	0.0212503	8.97e-01	
ENSG0000024578		15173919	15176139	+	ADAMC12	havana	mRNA	protein coding	YES	YES	-0.106672	3.56e-01	-0.140817	3.29e-01	-0.1441338	3.95e-01	-0.302786	1.25e-01	-0.181146	5.90e-01	0.148079	4.97e-01	-0.023556	6.75e-01	
ENSG0000024579		7421336	7424751	+	NDNL1	havana	mRNA	protein coding	YES	YES	-0.108127	8.17e-01	-0.122686	2.80e-01	-0.241631	4.20e-01	-0.302778	1.25e-01	-0.293156	1.24e-01	0.110803	6.16e-01	-0.066027	3.66e-01	
ENSG0000024580		3891629	3899870	+	AC107008.2	havana	transcripted unprec	ncrna	ncrna coding	YES	YES	-0.274987	1.61e-01	-0.222835	1.20e-01	-0.148916	4.58e-01	-0.302931	1.25e-01	-0.370425	1.77e-01	0.1352348	5.88e-01	-0.113139	2.95e-01
ENSG0000024581		3891629	3899870	+	ZNF58	havana	mRNA	protein coding	YES	YES	-0.32006	4.50e-01	-0.195977	6.87e-01	-0.197960	3.27e-01	-0.302820	1.25e-01	-0.416133	4.74e-01	-0.063594	6.66e-01	-0.029624	3.19e-01	
ENSG0000024582		8644847	8649716	+	KDM5A	havana	mRNA	protein coding	YES	YES	-0.082933	1.59e-01	-0.178483	5.05e-01	-0.184735	3.63e-01	-0.302841	1.25e-01	-0.184713	3.96e-01	0.023779	9.16e-01	-0.049689	5.12e-01	
ENSG0000024583		123274696	123244602	+	PER1A1	havana	mRNA	protein coding	YES	YES	-0.286838	1.82e-01	-0.222863	1.29e-01	-0.206346	3.07e-01	-0.302874	1.25e-01	-0.375173	3.38e-01	0.133778	2.49e-01	0.006769	9.44e-01	
ENSG0000024584		131488669	131724414	+	NIPRP3	havana	mRNA	protein coding	YES	YES	-0.188663	4.77e-01	-0.134862	2.56e-01	-0.129438	5.50e-01	-0.302865	1.25e-01	-0.382204	5.01e-01	0.138662	5.86e-01	-0.069668	3.28e-01	
ENSG0000024585		17707781	1778338	+	FAM133A	havana	mRNA	protein coding	YES	YES	-0.399665	1.30e-01	-0.184691	1.60e-01	-0.205561	3.01e-01	-0.302885	1.25e-01	-0.422797	5.44e-01	-0.117751	5.93e-01	-0.171677	2.38e-01	
ENSG0000024586		14002780	14000309	+	AC027088	havana	mRNA	protein coding	YES	YES	-0.141514	2.42e-01	-0.141514	2.42e-01	-0.141514	2.42e-01	-0.302849	1.25e-01	-0.141514	2.42e-01	0.061372	6.49e-01	-0.049689	5.12e-01	
ENSG0000024587		14949840	14905130	+	AC093671.1	havana	TEC	ncrna coding	YES	YES	-0.209475	2.72e-01	-0.188418	1.27e-01	-0.227078	3.24e-01	-0.302856	1.24e-01	-0.335665	3.34e-01	-0.137075	5.93e-01	-0.180066	2.26e-01	
ENSG0000024588		24657481	24687765	+	POM12110P	havana	mRNA	protein coding	YES	YES	-0.190284	9.74e-01	-0.196107	1.72e-01	-0.039805	8.55e-01	-0.303023	1.24e-01	-0.247391	7.13e-01	0.102264	6.49e-01	-0.074387	6.07e-01	
ENSG0000024589		145521443	145521443	+	LOC101928	havana	mRNA	protein coding	YES	YES	-0.128127	8.17e-01	-0.122686	2.80e-01	-0.241631	4.20e-01	-0.302778	1.25e-01	-0.293156	1.24e-01	0.110803	6.16e-01	-0.066027	3.66e-01	
ENSG0000024590		7382916	7387359	+	STAMP	havana	mRNA	protein coding	YES	YES	-0.226644	4.75e-01	-0.209766	1.41e-01	-0.1257984	5.32e-01	-0.303123	1.24e-01	-0.292317	3.10e-01	-0.0424109	6.20e-01	-0.119356	4.90e-01	
ENSG0000024591		16834768	16834997	+	KC12	havana	mRNA	protein coding	YES	YES	-0.048566	4.65e-01	-0.143111	2.85e-01	-0.10730	9.31e-01	-0.303138	1.24e-01	-0.117165	8.97e-01	0.1902519	3.85e-01	0.0997874	5.01e-01	
ENSG0000024592		4856149	4856149	+	LOC101928	havana	mRNA	protein coding	YES	YES	-0.128127	8.17e-01	-0.122686	2.80e-01	-0.241631	4.20e-01	-0.302778	1.25e-01	-0.293156	1.24e-01	0.110803	6.16e-01	-0.066027	3.66e-01	
ENSG0000024593		4720241	4720676	+	H1HATL1	havana	mRNA	protein coding	YES	YES	-0.112978	2.96e-01	-0.17987	2.13e-01	-0.238913	2.30e-01	-0.303147	1.24e-01	-0.284013	3.10e-01	0.105623	6.10e-01	-0.1794719	2.12e-01	
ENSG0000024594		8128298	8128563	+	LOC101928	havana	mRNA	protein coding	YES	YES	-0.209467	4.73e-01	-0.174713	2.31e-01	-0.1677589	4.01e-01	-0.303188	1.24e-01	-0.307433	3.33e-01	-0.067971	7.28e-01	-0.114303	4.29e-01	
ENSG0000024595		17885702	17746973	+	ASTN1	havana	mRNA	protein coding	YES	YES	-0.205443	7.31e-01	-0.084578	2.90e-01	-0.1897378	3.99e-01	-0.303173	1.24e-01	-0.174739	5.43e-01	0.107169	6.24e-01	-0.147403	3.07e-01	
ENSG0000024596		4478925	4478982	+	RNF45	havana	mRNA	protein coding	YES	YES	-0.127895	1.41e-01	-0.147803	1.99e-01	-0.206346	3.07e-01	-0.303214	1.25e-01	-0.147803	3.07e-01	0.107169	6.24e-01	-0.147403	3.07e-01	
ENSG0000024597		8189748	8189806	+	AC092142.2	havana	mRNA	protein coding	YES	YES	-0.147635	2.00e-01	-0.142189	2.60e-01	-0.126634	5.49e-01	-0.303203	1.24e-01	-0.149152	1.64e-01	0.105185	6.33e-01	-0.113897	4.41e-01	
ENSG0000024598		74179593	74124841	+	AC092142.2	havana	transcripted unprec	ncrna	ncrna coding	YES	YES	-0.207203	7.05e-01	-0.147											

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as CESSA1, HAKL2, and many others, with associated genomic data and statistical values.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, protein, and various numerical values. The table lists numerous genes such as SCSB1A1, AC02170.1, AC02170.2, etc., with their corresponding genomic data.

ENSG0000019485	11	45959006	4523510	PRDM11	ensembl	havana	protein_coding	-0.2491674	2.98620	-0.1348121	5331.00	0.1185620	5.561.00	-0.3271105	9.581.00	-0.4098293	2.091.00	0.0089269	9.681.00	-0.076006	5.961.00		
ENSG0000019733	1	10578250	10199926	DFP43	ensembl	havana	protein_coding	-0.2144892	6.514.00	-0.1636903	1971.00	0.2057348	8.111.00	-0.3271105	9.581.00	-0.2804431	4.801.00	0.1467676	6.471.00	-0.187967	1.161.00		
ENSG0000017064	2	23491979	23397838	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.1837744	2.519.00	-0.1551240	879.00	0.1512189	7.701.00	-0.3271105	9.581.00	-0.2129919	3.701.00	0.1389949	4.411.00	-0.2773542	1.121.00		
ENSG0000017059	2	10042849	10054836	KLF11	ensembl	havana	protein_coding	-0.0608038	5.561.00	-0.1475595	3.061.00	0.4031181	8.716.00	-0.3271105	9.581.00	-0.1208358	8.801.00	0.1210978	6.171.00	0.2773542	1.121.00		
ENSG0000018691	1	93929284	94121148	ABCR4	ensembl	havana	protein_coding	YES	YES	-0.280438	1.131.00	-0.1703277	2.211.00	0.0996174	6.831.00	-0.3271105	9.571.00	0.4444259	7.651.00	-0.1279997	5.611.00	-0.1259137	3.841.00
ENSG0000018821	1	11904033	11904033	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.142921	2.519.00	-0.1551240	879.00	0.1512189	7.701.00	-0.3271105	9.581.00	-0.2129919	3.701.00	0.1389949	4.411.00	-0.2773542	1.121.00		
ENSG0000017070	1	11400433	11400235	AL519174.1	havana	processed_pseudogene	-0.1599315	5.501.00	-0.1020257	3.191.00	0.3127379	9.571.00	-0.3271105	9.581.00	-0.2877112	4.461.00	-0.0918841	6.671.00	-0.1405235	3.841.00			
ENSG0000014826	4	73052342	73069795	CXCR18	ensembl	havana	protein_coding	-0.1408793	2.221.00	-0.1381899	3.541.00	0.1389861	4.911.00	-0.3271105	9.561.00	-0.21366	9.151.00	0.0504936	8.191.00	0.0297244	8.881.00		
ENSG0000018794	2	12388345	12389332	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.1220794	2.501.00	-0.1558519	1.731.00	0.3273642	9.291.00	-0.3271105	9.581.00	-0.2877112	4.461.00	-0.0918841	6.671.00	-0.1405235	3.841.00		
ENSG0000015840	1	5537289	5540423	ORC1	ensembl	havana	protein_coding	-0.1220794	2.501.00	-0.1558519	1.731.00	0.3273642	9.291.00	-0.3271105	9.581.00	-0.2877112	4.461.00	-0.0918841	6.671.00	-0.1405235	3.841.00		
ENSG0000012947	6	15994844	15999797	LINC02543	havana	lincRNA	-0.1929732	9.271.00	-0.1068933	1.461.00	0.1739047	3.861.00	-0.3274201	9.551.00	-0.241704	7.831.00	-0.0673896	7.601.00	-0.1312564	4.021.00			
ENSG0000017263	2	23491979	23397838	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.142921	2.519.00	-0.1551240	879.00	0.1512189	7.701.00	-0.3271105	9.581.00	-0.2129919	3.701.00	0.1389949	4.411.00	-0.2773542	1.121.00		
ENSG0000013700	11	11904033	11903906	SIC17A4	ensembl	havana	protein_coding	-0.1997477	6.991.00	-0.1056651	3.541.00	0.3309791	9.211.00	-0.3275984	9.541.00	-0.2421704	7.831.00	-0.3477988	1.041.00	-0.347564	4.021.00		
ENSG00000149100	11	3358378	3360624	E1F3	ensembl	havana	protein_coding	-0.0849329	4.631.00	-0.2466244	8.041.00	0.1835161	3.591.00	-0.3273732	9.541.00	-0.0704675	6.131.00	0.2682824	3.401.00	0.2008451	1.631.00		
ENSG0000014632	8	2324471	2328926	AC10881.1	havana	lincRNA	-0.214543	6.101.00	-0.1310797	1.371.00	-0.229485	3.051.00	-0.3273732	9.541.00	-0.2787131	4.311.00	0.0880756	9.751.00	-0.151271	4.071.00			
ENSG0000017860	8	7306849	7344468	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.142921	2.519.00	-0.1551240	879.00	0.1512189	7.701.00	-0.3271105	9.581.00	-0.2129919	3.701.00	0.1389949	4.411.00	-0.2773542	1.121.00		
ENSG0000014336	8	15240939	15258766	LINC01487	havana	lincRNA	-0.185188	1.071.00	-0.1533344	2.811.00	-0.2057222	1.031.00	-0.3275158	9.581.00	-0.2597772	5.781.00	-0.121032	5.761.00	-0.1722189	2.131.00			
ENSG00000144794	8	10996336	10997717	KCNV1	ensembl	havana	protein_coding	-0.1107122	3.181.00	-0.1150995	4.241.00	0.0373751	8.511.00	-0.3276098	9.531.00	-0.1297772	5.861.00	-0.1466016	6.021.00	-0.0312349	7.311.00		
ENSG00000116075	1	11724517	11727691	DCX	ensembl	havana	protein_coding	-0.1246878	3.001.00	-0.1275204	1.131.00	-0.1275204	2.021.00	-0.3272551	9.531.00	-0.1246108	1.001.00	0.1037179	4.961.00	-0.0172114	1.021.00		
ENSG00000121211	X	12973874	12976365	KPNXP2	ensembl	havana	protein_coding	-0.1183006	3.241.00	-0.0612336	6.681.00	0.0634788	7.511.00	-0.3276479	9.531.00	-0.2342139	8.811.00	-0.0958587	7.861.00	-0.0189504	8.961.00		
ENSG00000177790	X	6422092	6422703	KPNXP8	ensembl	havana	processed_pseudogene	-0.1230709	2.861.00	-0.1193165	4.301.00	-0.1608210	4.231.00	-0.3276551	9.521.00	-0.1791789	1.921.00	-0.1177887	5.941.00	-0.1895917	3.871.00		
ENSG00000121997	1	11470975	11472581	TGIF7	ensembl	havana	lincRNA	-0.1460128	2.111.00	-0.135088	3.611.00	0.0272713	7.261.00	-0.3276551	9.521.00	-0.1219114	1.111.00	-0.098176	6.771.00	-0.0699974	5.111.00		
ENSG00000100511	2	3805631	3805770	PKC1	ensembl	havana	protein_coding	-0.0595022	6.111.00	-0.0203038	8.741.00	0.1683501	4.011.00	-0.3277997	9.511.00	-0.1930402	6.631.00	0.1357458	6.751.00	0.1166774	2.421.00		
ENSG00000100234	2	32801705	3280384	TIMP3	ensembl	havana	protein_coding	YES	YES	-0.103811	5.941.00	-0.1284531	1.961.00	-0.3278455	9.501.00	-0.4781516	2.521.00	-0.0630139	7.671.00	-0.1754708	2.231.00		
ENSG00000179420	19	34679717	34677581	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.1220794	2.501.00	-0.1558519	1.731.00	0.3273642	9.291.00	-0.3271105	9.581.00	-0.2877112	4.461.00	-0.0918841	6.671.00	-0.1405235	3.841.00		
ENSG00000185462	12	7837788	7847086	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.1220794	2.501.00	-0.1558519	1.731.00	0.3273642	9.291.00	-0.3271105	9.581.00	-0.2877112	4.461.00	-0.0918841	6.671.00	-0.1405235	3.841.00		
ENSG00000176007	18	7507507	7507501	AC09261.1	ensembl	havana	transcribed_unprocessed_pseudogene	-0.1220794	2.501.00	-0.1558519	1.731.00	0.3273642	9.291.00	-0.3271105	9.581.00	-0.2877112	4.461.00	-0.0918841	6.671.00	-0.1405235	3.841.00		
ENSG00000126025	2	34017422	3421876	LINC01643	havana	lincRNA	YES	YES	-0.249389	9.301.00	-0.171023	1.931.00	0.1450807	4.751.00	-0.3279729	9.491.00	-0.1483879	9.441.00	-0.1223045	4.881.00	-0.1525064	2.821.00	
ENSG00000180180	2	1815103	1815033	KCNQ2	ensembl	havana	protein_coding	YES	YES	-0.223222	3.061.00	-0.1477751	1.661.00	-0.3279729	9.491.00	-0.1483879	9.441.00	-0.1223045	4.881.00	-0.1525064	2.821.00		
ENSG00000137779	10	8943039	8955641	SIC16A12	ensembl	havana	protein_coding	YES	YES	-0.0993003	3.901.00	-0.1302072	3.671.00	-0.4726786	1.761.00	-0.3283879	9.481.00	-0.1523065	3.061.00	-0.1695324	1.401.00		
ENSG00000129841	6	15363412	15393584	LINC01566	havana	lincRNA	-0.2281437	4.601.00	-0.1422289	2.241.00	-0.2275156	2.581.00	-0.3281885	9.481.00	-0.1293998	5.501.00	0.0728882	7.331.00	-0.1507478	4.651.00			
ENSG00000166561	2	14383323	14383323	SNRNP8	ensembl	havana	transcript_tag	-0.1438332	5.471.00	-0.1188305	2.471.00	-0.3281885	9.481.00	-0.1293998	5.501.00	0.0728882	7.331.00	-0.1507478	4.651.00				
ENSG0000019549	8	4891758	4892140	SNRNP2	ensembl	havana	transcript_tag	-0.1928546	9.291.00	-0.1025330	1.581.00	-0.3282031	9.481.00	-0.2454053	2.701.00	-0.1836518	4.021.00	-0.1526339	3.851.00				
ENSG00000120288	1	15179084	15179402	TOR1A1	ensembl	havana	protein_coding	-0.1076513	3.511.00	-0.1051299	4.811.00	0.0999131	6.211.00	-0.328054	9.481.00	-0.2267134	9.921.00	0.2480009	2.601.00	0.1576045	2.681.00		
ENSG00000170013	1	17272222	17272222	SNRNP8	ensembl	havana	transcript_tag	-0.1438332	5.471.00	-0.1188305	2.471.00	-0.3281885	9.481.00	-0.1293998	5.501.00	0.0728882	7.331.00	-0.1507478	4.651.00				
ENSG00000132395	X	14111605	141177129	LOC1	ensembl	havana	protein_coding	-0.1729445	6.011.00	-0.1654299	9.071.00	-0.3279283	2.311.00	-0.3280931	9.481.00	-0.1252325	5.601.00	-0.2497137	2.101.00	-0.1539683	9.001.00		
ENSG0000017185	2	8655889	8656275	AC07319.1	havana	lincRNA	-0.179887	1.171.00	-0.1212603	1.181.00	0.0292972	8.811.00	-0.328103	9.481.00	-0.241161	7.871.00	-0.0412161	5.011.00	0.1739959	1.471.00			
ENSG00000144475	3	18496317	18495103	AC10881.1	havana	lincRNA	YES	YES	-0.29197	8.001.00	-0.1022244	1.611.00	-0.2657034	1.801.00	-0.328115	9.471.00	-0.0996949	9.241.00	-0.1586645	4.751.00	-0.208105	6.121.00	
ENSG00000184660	4	4807052	4810478	KCNQ5	ensembl	havana	protein_coding	-0.0626215	6.701.00	-0.1098997	2.641.00	0.0690705	7.811.00	-0.3279729	9.491.00	-0.1727764	4.661.00	-0.1726188	4.311.00	-0.092918	5.701.00		
ENSG00000197838	18	4108841	4109635	CYP11A1	ensembl	havana	protein_coding	-0.1498081	3.041.00	-0.1058787	5.041.00	0.1445511	4.811.00	-0.3281734	9.471.00	-0.2726237	3.301.00	0.0129436	5.351.00	-0.0922212	5.451.00		
ENSG00000143955	6	5279371	5280360	GSTA1	ensembl	havana	protein_coding	-0.1878884	1.021.00	-0.1495726	3.021.00	-0.1177704	5.591.00	-0.3282472	9.461.00	-0.2768223	4.231.00	-0.0492946	7.361.00	-0.108049	5.481.00		
ENSG00000102628	1	1156241	1156241	SNRNP8	ensembl	havana	transcript_tag	-0.1															

Table with columns for gene ID, chromosome, coordinates, gene name, and various numerical values. The table contains a large number of rows, each representing a different gene and its associated data points.

Table with columns for gene ID, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as AC103809.1, AC103810.1, AC103811.1, etc., with associated data points.

ENSG000001115	81883409	83921465	KIF27	ensembl	havana	protein_coding	-0.289282	1.070	-0.293845	8.08E-07	0.288279	1.41E-01	-0.354173	7.00E-02	-0.353556	8.79E-04	-0.304888	1.57E-01	-0.300549	3.19E-02
ENSG0000024292	4850623	4850838	AFIP972.1	havana	incRNA	antisense_pseudo	-0.057440	6.20E-01	-0.076138	4.57E-02	0.067787	7.87E-01	-0.354299	6.99E-02	-0.123276	8.75E-01	-0.130859	2.89E-01	-0.084841	6.60E-01
ENSG0000029001	7519377	7519387	AC0919.1	havana	lincRNA	antisense_pseudo	0.014817	0.000000	0.014817	2.42E-01	0.354199	6.92E-01	-0.354199	6.92E-01	0.014817	0.000000	0.014817	2.42E-01	-0.084841	6.60E-01
ENSG0000010100	14624186	14624369	AC09737.1	havana	incRNA	antisense_pseudo	0.194380	0.004401	-0.170988	3.42E-01	0.203610	8.07E-01	-0.354150	6.99E-02	-0.293505	3.12E-01	-0.084841	2.89E-01	-0.152789	2.88E-01
ENSG0000004847	7301943	7303889	KDM7A	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.229418</td> <td>2.78E-02</td> <td>-0.170825</td> <td>2.38E-02</td> <td>0.229729</td> <td>2.51E-01</td> <td>-0.354294</td> <td>6.99E-02</td> <td>-0.242133</td> <td>3.39E-01</td> <td>-0.202953</td> <td>3.55E-01</td> <td>-0.027638</td> <td>9.03E-01</td>	havana	protein_coding	-0.229418	2.78E-02	-0.170825	2.38E-02	0.229729	2.51E-01	-0.354294	6.99E-02	-0.242133	3.39E-01	-0.202953	3.55E-01	-0.027638	9.03E-01
ENSG0000019429	15954715	15957339	LOC733909	havana	lincRNA	antisense_pseudo	-0.092492	0.000000	-0.092492	0.000000	0.000000	0.000000	-0.354294	6.99E-02	-0.407004	7.70E-02	-0.027638	9.03E-01	-0.027638	9.03E-01
ENSG0000024093	3256492	3260893	NOL4D1	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.546568</td> <td>7.55E-03</td> <td>-0.105959</td> <td>1.41E-01</td> <td>0.051541</td> <td>7.99E-01</td> <td>-0.354233</td> <td>6.99E-02</td> <td>-0.359578</td> <td>7.84E-01</td> <td>-0.126057</td> <td>5.86E-01</td> <td>-0.070452</td> <td>5.18E-01</td>	havana	protein_coding	-0.546568	7.55E-03	-0.105959	1.41E-01	0.051541	7.99E-01	-0.354233	6.99E-02	-0.359578	7.84E-01	-0.126057	5.86E-01	-0.070452	5.18E-01
ENSG0000004883	4820201	4821474	AC01466.1	havana	tagene	incRNA	-0.139984	2.25E-01	-0.170988	2.38E-02	-0.229729	2.48E-01	-0.354294	6.99E-02	-0.169498	7.21E-01	-0.199273	3.71E-01	-0.212656	1.28E-01
ENSG0000017639	15901035	15901035	ORX2	ensembl <td>havana</td> <td>protein_coding</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.354294</td> <td>6.99E-02</td> <td>-0.169498</td> <td>7.21E-01</td> <td>-0.199273</td> <td>3.71E-01</td> <td>-0.212656</td> <td>1.28E-01</td>	havana	protein_coding	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	-0.354294	6.99E-02	-0.169498	7.21E-01	-0.199273	3.71E-01	-0.212656	1.28E-01
ENSG0000005009	11240510	11241838	RPL6	ensembl <td>havana</td> <td>protein_coding</td> <td>0.0792930</td> <td>8.10E-01</td> <td>-0.300184</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.354230</td> <td>6.98E-02</td> <td>-0.169498</td> <td>7.21E-01</td> <td>-0.199273</td> <td>3.71E-01</td> <td>-0.212656</td> <td>1.28E-01</td>	havana	protein_coding	0.0792930	8.10E-01	-0.300184	0.000000	0.000000	0.000000	-0.354230	6.98E-02	-0.169498	7.21E-01	-0.199273	3.71E-01	-0.212656	1.28E-01
ENSG0000005541	17119788	17242062	AC09548.1	havana	incRNA	antisense_pseudo	-0.155644	1.77E-01	-0.083465	5.56E-02	-0.07064	7.26E-01	-0.354243	6.98E-02	-0.291829	3.90E-01	-0.083465	5.56E-02	-0.083465	5.56E-02
ENSG0000020339	46108046	46108046	ORX2	ensembl <td>havana</td> <td>protein_coding</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.354294</td> <td>6.99E-02</td> <td>-0.169498</td> <td>7.21E-01</td> <td>-0.199273</td> <td>3.71E-01</td> <td>-0.212656</td> <td>1.28E-01</td>	havana	protein_coding	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	-0.354294	6.99E-02	-0.169498	7.21E-01	-0.199273	3.71E-01	-0.212656	1.28E-01
ENSG0000022472	2478839	2478960	EEF1B3P5	ensembl <td>havana</td> <td>processed_pseudo</td> <td>0.071837</td> <td>5.88E-01</td> <td>-0.087905</td> <td>0.000000</td> <td>-0.044472</td> <td>3.22E-01</td> <td>-0.354294</td> <td>6.97E-02</td> <td>-0.016494</td> <td>9.05E-01</td> <td>-0.027638</td> <td>9.03E-01</td> <td>-0.099204</td> <td>4.91E-01</td>	havana	processed_pseudo	0.071837	5.88E-01	-0.087905	0.000000	-0.044472	3.22E-01	-0.354294	6.97E-02	-0.016494	9.05E-01	-0.027638	9.03E-01	-0.099204	4.91E-01
ENSG0000020182	14651341	14653129	PCF11A13	havana	incRNA	antisense_pseudo	0.258138	2.34E-02	-0.336425	1.77E-01	0.059736	7.67E-01	-0.354443	6.97E-02	-0.280715	8.00E-01	-0.087128	6.93E-01	-0.099204	4.91E-01
ENSG0000022937	7669180	7669307	PEA3	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.270997</td> <td>1.71E-02</td> <td>-0.188425</td> <td>1.90E-02</td> <td>-0.005024</td> <td>9.80E-01</td> <td>-0.354443</td> <td>6.97E-02</td> <td>-0.40504</td> <td>2.05E-01</td> <td>-0.177226</td> <td>4.18E-01</td> <td>-0.099138</td> <td>4.93E-01</td>	havana	protein_coding	-0.270997	1.71E-02	-0.188425	1.90E-02	-0.005024	9.80E-01	-0.354443	6.97E-02	-0.40504	2.05E-01	-0.177226	4.18E-01	-0.099138	4.93E-01
ENSG0000025076	2153537	2153914	GAPDH52	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.202703</td> <td>5.42E-02</td> <td>-0.158293</td> <td>2.72E-01</td> <td>0.103764</td> <td>6.07E-01</td> <td>-0.354087</td> <td>6.96E-02</td> <td>-0.184949</td> <td>9.69E-01</td> <td>-0.024884</td> <td>9.95E-01</td> <td>-0.14464</td> <td>3.36E-01</td>	havana	protein_coding	-0.202703	5.42E-02	-0.158293	2.72E-01	0.103764	6.07E-01	-0.354087	6.96E-02	-0.184949	9.69E-01	-0.024884	9.95E-01	-0.14464	3.36E-01
ENSG0000021475	5396128	5396282	GIT2P6	ensembl <td>havana</td> <td>processed_pseudo</td> <td>-0.160002</td> <td>1.61E-01</td> <td>-0.176795</td> <td>6.65E-02</td> <td>0.4561489</td> <td>1.68E-02</td> <td>-0.354499</td> <td>6.96E-02</td> <td>-0.192039</td> <td>1.64E-01</td> <td>-0.157161</td> <td>6.23E-01</td> <td>-0.081265</td> <td>5.78E-01</td>	havana	processed_pseudo	-0.160002	1.61E-01	-0.176795	6.65E-02	0.4561489	1.68E-02	-0.354499	6.96E-02	-0.192039	1.64E-01	-0.157161	6.23E-01	-0.081265	5.78E-01
ENSG0000014491	27112005	27109460	NEK10	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.240919</td> <td>3.52E-02</td> <td>-0.186993</td> <td>1.93E-01</td> <td>0.0126037</td> <td>9.51E-01</td> <td>-0.354451</td> <td>6.96E-02</td> <td>-0.158067</td> <td>7.85E-01</td> <td>-0.099204</td> <td>4.91E-01</td> <td>-0.045567</td> <td>7.43E-01</td>	havana	protein_coding	-0.240919	3.52E-02	-0.186993	1.93E-01	0.0126037	9.51E-01	-0.354451	6.96E-02	-0.158067	7.85E-01	-0.099204	4.91E-01	-0.045567	7.43E-01
ENSG0000020201	941296	9415119	ALX4L1.1	havana	transcribed_unint	incRNA	-0.226645	5.00E-02	-0.226645	1.17E-01	0.052006	6.10E-01	-0.354531	6.96E-02	-0.102053	2.61E-01	-0.184493	3.90E-01	-0.099204	4.91E-01
ENSG0000020437	37128679	37141460	AC09230.2	havana	incRNA	antisense_pseudo	-0.142185	2.17E-01	-0.191571	2.70E-01	-0.087176	6.65E-01	-0.354493	6.96E-02	-0.198185	8.00E-01	-0.104285	6.77E-01	-0.099204	4.91E-01
ENSG0000019679	4355644	43574618	ZNF239	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.300348</td> <td>6.73E-02</td> <td>-0.134629</td> <td>1.03E-01</td> <td>-0.266774</td> <td>1.79E-01</td> <td>-0.354504</td> <td>6.96E-02</td> <td>-0.433643</td> <td>1.06E-01</td> <td>-0.096426</td> <td>7.34E-01</td> <td>-0.121254</td> <td>4.78E-01</td>	havana	protein_coding	-0.300348	6.73E-02	-0.134629	1.03E-01	-0.266774	1.79E-01	-0.354504	6.96E-02	-0.433643	1.06E-01	-0.096426	7.34E-01	-0.121254	4.78E-01
ENSG0000025658	13481543	13490815	AC09370.1	havana	tagene	incRNA	-0.205481	7.43E-02	-0.043026	3.16E-02	0.0154623	9.40E-01	-0.354538	6.96E-02	-0.154875	6.00E-01	-0.173036	7.80E-01	-0.121254	4.78E-01
ENSG0000020570	24159509	24162211	AC09077.3	havana	incRNA	antisense_pseudo	-0.266616	1.91E-01	-0.173346	2.34E-02	0.252638	2.04E-01	-0.354593	6.95E-02	-0.389053	3.64E-01	-0.154317	4.83E-01	-0.201587	1.59E-01
ENSG0000020380	6425565	6428721	PCMT2	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.209322</td> <td>1.04E-02</td> <td>-0.121729</td> <td>1.40E-01</td> <td>-0.125088</td> <td>5.33E-01</td> <td>-0.354727</td> <td>6.94E-02</td> <td>-0.420933</td> <td>1.55E-01</td> <td>-0.105246</td> <td>6.50E-01</td> <td>-0.125476</td> <td>3.84E-01</td>	havana	protein_coding	-0.209322	1.04E-02	-0.121729	1.40E-01	-0.125088	5.33E-01	-0.354727	6.94E-02	-0.420933	1.55E-01	-0.105246	6.50E-01	-0.125476	3.84E-01
ENSG0000019318	1615248	1618484	RNO1	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.074707</td> <td>7.03E-02</td> <td>-0.046746</td> <td>5.40E-02</td> <td>0.1085783</td> <td>6.14E-01</td> <td>-0.354804</td> <td>6.94E-02</td> <td>-0.484266</td> <td>1.04E-01</td> <td>-0.091772</td> <td>5.79E-01</td> <td>-0.118881</td> <td>5.48E-01</td>	havana	protein_coding	-0.074707	7.03E-02	-0.046746	5.40E-02	0.1085783	6.14E-01	-0.354804	6.94E-02	-0.484266	1.04E-01	-0.091772	5.79E-01	-0.118881	5.48E-01
ENSG0000021706	2302684	23027100	ALX4B98.2	havana	tagene	incRNA	-0.188713	1.42E-01	-0.158293	2.72E-01	0.103764	6.07E-01	-0.354087	6.96E-02	-0.189376	1.44E-01	-0.181874	4.06E-01	-0.133485	9.60E-01
ENSG0000019821	9315784	9316872	LIG1	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.258665</td> <td>2.84E-02</td> <td>-0.152963</td> <td>1.45E-01</td> <td>-0.354898</td> <td>6.89E-01</td> <td>-0.401317</td> <td>6.93E-02</td> <td>-0.381274</td> <td>2.77E-01</td> <td>-0.171217</td> <td>5.94E-01</td> <td>-0.171217</td> <td>5.94E-01</td>	havana	protein_coding	-0.258665	2.84E-02	-0.152963	1.45E-01	-0.354898	6.89E-01	-0.401317	6.93E-02	-0.381274	2.77E-01	-0.171217	5.94E-01	-0.171217	5.94E-01
ENSG0000009978	23211001	23219974	ATG1A1	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.131089</td> <td>5.70E-02</td> <td>-0.084441</td> <td>3.42E-01</td> <td>0.172534</td> <td>3.82E-01</td> <td>-0.354914</td> <td>6.93E-02</td> <td>-0.394940</td> <td>3.10E-01</td> <td>-0.178785</td> <td>4.14E-01</td> <td>-0.025538</td> <td>9.10E-01</td>	havana	protein_coding	-0.131089	5.70E-02	-0.084441	3.42E-01	0.172534	3.82E-01	-0.354914	6.93E-02	-0.394940	3.10E-01	-0.178785	4.14E-01	-0.025538	9.10E-01
ENSG0000020820	11278114	11278878	AC09241.1	havana	incRNA	antisense_pseudo	-0.178078	1.67E-01	-0.181941	1.26E-01	-0.007160	9.70E-01	-0.354914	6.93E-02	-0.394940	3.10E-01	-0.178078	4.14E-01	-0.025538	9.10E-01
ENSG0000027089	9154837	9154125	BUD31	ensembl <td>havana</td> <td>processed_pseudo</td> <td>-0.181941</td> <td>1.13E-01</td> <td>-0.007160</td> <td>9.70E-01</td> <td>-0.354914</td> <td>6.93E-02</td> <td>-0.276187</td> <td>9.78E-01</td> <td>-0.168978</td> <td>5.64E-01</td> <td>-0.067614</td> <td>6.10E-01</td> <td>-0.168978</td> <td>5.64E-01</td>	havana	processed_pseudo	-0.181941	1.13E-01	-0.007160	9.70E-01	-0.354914	6.93E-02	-0.276187	9.78E-01	-0.168978	5.64E-01	-0.067614	6.10E-01	-0.168978	5.64E-01
ENSG0000020940	37365281	37376211	AC09089.1	havana	incRNA	antisense_pseudo	-0.262985	2.08E-02	-0.126553	4.38E-02	0.2748693	1.60E-01	-0.354925	6.93E-02	-0.421111	5.25E-01	-0.171947	4.35E-01	-0.212518	1.38E-01
ENSG0000013344	505466	505466	ORX2	ensembl <td>havana</td> <td>protein_coding</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.354294</td> <td>6.99E-02</td> <td>-0.169498</td> <td>7.21E-01</td> <td>-0.199273</td> <td>3.71E-01</td> <td>-0.212656</td> <td>1.28E-01</td>	havana	protein_coding	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	-0.354294	6.99E-02	-0.169498	7.21E-01	-0.199273	3.71E-01	-0.212656	1.28E-01
ENSG0000020573	5007018	5004547	AC09074.1	havana	incRNA	antisense_pseudo	-0.213249	6.26E-02	-0.045509	6.56E-02	-0.140377	2.84E-01	-0.354982	6.92E-02	-0.390547	3.51E-01	-0.149538	5.02E-01	-0.248053	8.18E-01
ENSG0000019156	17191348	17180293	OSR1P6	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.176039</td> <td>1.24E-01</td> <td>-0.084524</td> <td>5.99E-02</td> <td>-0.123655</td> <td>5.39E-01</td> <td>-0.355008</td> <td>6.92E-02</td> <td>-0.312556</td> <td>2.34E-01</td> <td>-0.159912</td> <td>4.66E-01</td> <td>-0.174603</td> <td>3.06E-01</td>	havana	protein_coding	-0.176039	1.24E-01	-0.084524	5.99E-02	-0.123655	5.39E-01	-0.355008	6.92E-02	-0.312556	2.34E-01	-0.159912	4.66E-01	-0.174603	3.06E-01
ENSG0000021675	11246256	11247189	ORX2	ensembl <td>havana</td> <td>protein_coding</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.354294</td> <td>6.99E-02</td> <td>-0.169498</td> <td>7.21E-01</td> <td>-0.199273</td> <td>3.71E-01</td> <td>-0.212656</td> <td>1.28E-01</td>	havana	protein_coding	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	-0.354294	6.99E-02	-0.169498	7.21E-01	-0.199273	3.71E-01	-0.212656	1.28E-01
ENSG0000017157	14603134	14622156	LURAP1	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.267182</td> <td>1.98E-02</td> <td>-0.209022</td> <td>1.45E-01</td> <td>0.084504</td> <td>6.68E-01</td> <td>-0.355052</td> <td>6.92E-02</td> <td>-0.376723</td> <td>6.90E-01</td> <td>-0.199204</td> <td>4.91E-01</td> <td>-0.199204</td> <td>4.91E-01</td>	havana	protein_coding	-0.267182	1.98E-02	-0.209022	1.45E-01	0.084504	6.68E-01	-0.355052	6.92E-02	-0.376723	6.90E-01	-0.199204	4.91E-01	-0.199204	4.91E-01
ENSG0000018234	1899273	18435610	ITIC9C	ensembl <td>havana</td> <td>protein_coding</td> <td>-0.270284</td> <td>1.91E-02</td> <td>-0.282829</td> <td>4.82E-02</td> <td>-0.009974</td> <td>7.66E-01</td> <td>-0.355107</td> <td>6.91E-02</td> <td>-0.317179</td> <td>4.21E-01</td> <td>-0.094808</td> <td>8.88E-01</td> <td>-0.088875</td> <td>8.72E-01</td>	havana	protein_coding	-0.270284	1.91E-02	-0.282829	4.82E-02	-0.009974	7.66E-01	-0.355107	6.91E-02	-0.317179	4.21E-01	-0.094808	8.88E-01	-0.088875	8.72E-01
ENSG0000022007	625237	6234724	RMO25.2	havana	incRNA	antisense_pseudo	-0.249324	5.91E-02	-0.20984	1.50E-01	0.171219	3.91E-01	-0.355144	6.91E-02	-0.297915	3.88E-01	-0.093512	4.60E-01	-0.110203	4.22E-01
ENSG0000020245	7018480	7018293	AC09248.1	havana	incRNA	antisense_pseudo	-0.249324	5.91E-02	-0.20984	1.50E-01	0.171219	3.91E-01	-0.355144	6.91E-02	-0.297915	3.88E-01	-0.093512	4.60E-01	-0.110203	4.22E-01
ENSG0000020869	1933011	1933704	ADRN28	ensembl <td>havana</td> <td>transcribed_unint</td> <td>-0.443749</td> <td>3.27E-02</td> <td>-0.158518</td> <td>2.77E-01</td> <td>-0.207251</td> <td>3.00E-01</td> <td>-0.355144</td> <td>6.90E-02</td> <td>-0.368781</td> <td>6.10E-01</td> <td>-0.107823</td> <td>6.40E-01</td> <td>-0.016264</td> <td>2.48E-01</td>	havana	transcribed_unint	-0.443749	3.27E-02	-0.158518	2.77E-01	-0.207251	3.00E-01	-0.355144	6.90E-02	-0.368781	6.10E-01	-0.107823	6.40E-01	-0.016264	2.48E-01
ENSG0000021761	2008929	2008938	POM121L9	havana	transcribed_unint	incRNA	-0.249324	5.91E-02	-0.209899	1.56E-01	-0.012559	9.50E-01	-0.355188	6.89E-02	-0.378649	6.79E-01	-0.106714	6.29E-01	-0.041769	5.74E-01
ENSG0000020817	1511142	1511142	ORX2	ensembl <td>havana</td> <td>protein_coding</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>0.000000</td> <td>-0.354294</td> <td>6.99E-02</td> <td>-0.169498</td> <td>7.21E-01</td> <td>-0.199273</td> <td>3.71E-01</td> <td>-0.212656</td> <td>1.28E-01</td>	havana	protein_coding	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	-0.354294	6.99E-02	-0.169498	7.21E-01	-0.199273	3.71E-01	-0.212656	1.28E-01
ENSG0000024210	15746623	15749116	AC09376.1	havana	incRNA	antisense_pseudo	-0.180590	1.16E-01	-0.174018	2.99E-01	0.1726127	9.80E-01	-0.355488	6.88E-02	-0.303674	2.56E-01	-0.083465	5.54E-		

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as HAHM1, DMC1, RTRP3, and many others, with associated genomic data and values.

ENSG0000024584	17	49849310	49848837	AC02780.1	ensembl	havana	incRNA	protein_coding	-0.221036	5.34e-02	0.3051295	1.32e-02	0.15002211	4.51e-01	-0.3695123	5.78e-02	0.279944	4.03e-02	0.3963949	1.51e-01	0.22512695	1.16e-01		
ENSG0000017122	17	16373203	16374854	SPAT76	ensembl	havana	mRNA	protein_coding	-0.202487	7.01e-02	-0.1717425	1.29e-02	-0.1827048	5.21e-01	-0.3695484	5.78e-02	0.274991	4.62e-02	0.3666131	8.70e-01	0.0997453	4.91e-01		
ENSG0000015313	17	16373213	16374854	CTC4	ensembl	havana	mRNA	protein_coding	-0.1845479	1.08e-01	-0.2075244	5.49e-01	-0.2421163	5.49e-01	-0.3695484	5.78e-02	0.274991	4.62e-02	0.3666131	8.70e-01	0.0997453	4.91e-01		
ENSG0000017528	17	4833180	4833144	ZNF461	ensembl	havana	mRNA	protein_coding	-0.1845479	1.08e-01	-0.2075244	5.49e-01	-0.2421163	5.49e-01	-0.3695484	5.78e-02	0.274991	4.62e-02	0.3666131	8.70e-01	0.0997453	4.91e-01		
ENSG0000014188	17	11905399	11799806	SIT-014	ensembl	havana	incRNA	antisense_intronic	-0.2325704	4.30e-02	-0.2527595	2.30e-02	-0.2327797	2.43e-01	-0.3696334	5.77e-02	0.280482	5.17e-02	0.3883134	1.89e-01	0.262471	5.56e-02		
ENSG0000018890	17	15343789	15345614	AC029413.3	ensembl	havana	incRNA	antisense_intronic	-0.2456614	0.00e-00	-0.2615614	1.20e-01	-0.2456614	1.20e-01	-0.3696334	5.77e-02	0.280482	5.17e-02	0.3883134	1.89e-01	0.262471	5.56e-02		
ENSG0000017998	8	64759804	64682370	AC04242.3	ensembl	havana	transcript_processed	antisense_intronic	-0.4694648	0.00e-00	-0.2527595	2.30e-02	-0.2615614	1.20e-01	-0.3696334	5.77e-02	0.280482	5.17e-02	0.3883134	1.89e-01	0.262471	5.56e-02		
ENSG0000010405	20	3071620	3072517	DOT	ensembl	havana	mRNA	protein_coding	-0.2420733	2.31e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000013599	6	14705682	147053483	AC04249.1	ensembl	havana	transcript_processed	antisense_intronic	-0.2420733	2.31e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000013739	6	34339373	3424231	HMG1A1	ensembl	havana	mRNA	protein_coding	-0.2420733	2.31e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000010993	7	38358512	38359162	TRG3	ensembl	havana	TR V gene	protein_coding	-0.2420733	2.31e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000013669	17	7897348	7892287	CYR1	ensembl	havana	mRNA	protein_coding	-0.2420733	2.31e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000010994	4	10981510	10982470	GAR1	ensembl	havana	mRNA	protein_coding	-0.2420733	2.31e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000012684	1	11912639	11912729	RPS1AP12	ensembl	havana	transcript_processed	antisense_intronic	-0.1490099	0.00e-00	-0.1014935	4.83e-01	-0.1080949	5.76e-02	-0.348271	2.04e-02	0.6157014	1.76e-01	0.2050011	1.46e-01	0.2050011	1.46e-01		
ENSG0000010193	21	4284394	4287958	WDR4	ensembl	havana	mRNA	protein_coding	-0.243888	3.27e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000014916	17	6273704	6273587	TRAP2	ensembl	havana	mRNA	protein_coding	-0.243888	3.27e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000014460	11	9506719	9507124	SRSF8	ensembl	havana	mRNA	protein_coding	-0.243888	3.27e-02	-0.2676705	6.22e-02	-0.2070743	7.28e-01	-0.3696262	5.77e-02	0.2807396	4.46e-02	0.4879582	4.90e-01	0.1237359	7.92e-01		
ENSG0000018816	10	11848499	11849178	ENOD4	ensembl	havana	mRNA	protein_coding	YES	YES	-0.2651899	1.96e-01	-0.1448525	2.61e-01	-0.2186244	2.71e-01	-0.3700872	5.47e-02	0.4070953	2.20e-01	0.6028389	6.57e-01	0.1803208	3.94e-01
ENSG0000012664	1	2023424	2023237	AC02908.1	ensembl	havana	transcript_processed	antisense_intronic	-0.1731183	1.68e-01	-0.1874049	4.19e-01	-0.2200601	3.20e-01	-0.3701381	5.67e-02	0.2621396	5.49e-02	0.4178176	9.36e-01	0.1051304	2.17e-01		
ENSG0000014183	1	17646117	17648501	PMPA2	ensembl	havana	mRNA	protein_coding	YES	YES	-0.1728551	1.33e-01	-0.1792371	4.54e-01	-0.2108804	2.46e-01	-0.3701381	5.67e-02	0.2621396	5.49e-02	0.4178176	9.36e-01		
ENSG0000013806	15	45167214	45201175	PAPAZ	ensembl	havana	mRNA	protein_coding	YES	YES	-0.2035444	1.59e-02	-0.2189003	3.97e-02	-0.2075244	5.49e-01	-0.3702943	5.78e-02	0.4492777	9.63e-01	0.2396509	5.70e-01	0.0666941	6.91e-01
ENSG0000012588	8	11102217	11111543	FMAD25	ensembl	havana	incRNA	antisense_intronic	-0.2451134	3.17e-02	-0.2529487	1.15e-02	-0.2323339	3.87e-01	-0.3702943	5.78e-02	0.4492777	9.63e-01	0.2396509	5.70e-01	0.0666941	6.91e-01		
ENSG0000013748	9	12188466	12186719	TRT1L11	ensembl	havana	incRNA	antisense_intronic	-0.22244	2.98e-02	-0.21107	1.41e-01	-0.2079942	7.07e-01	-0.3709007	5.78e-02	0.4281633	5.54e-02	0.5831366	9.97e-01	0.0661316	5.48e-01		
ENSG0000014165	18	7607353	7417483	FBXO15	ensembl	havana	mRNA	protein_coding	YES	YES	-0.25724	2.38e-01	-0.2071209	3.60e-01	-0.207861	9.91e-01	-0.3703726	5.78e-02	0.4281633	5.54e-02	0.5831366	9.97e-01		
ENSG0000017236	9	11524519	11517484	ENH48	ensembl	havana	mRNA	protein_coding	-0.268389	3.54e-02	-0.2684473	9.41e-02	-0.2477720	9.95e-02	-0.3704998	5.78e-02	0.4281633	5.54e-02	0.5831366	9.97e-01	0.0661316	5.48e-01		
ENSG0000014227	22	4604978	4604544	PRR5A	ensembl	havana	mRNA	protein_coding	-0.269661	2.83e-02	-0.213881	2.99e-01	-0.2066296	7.03e-01	-0.3705731	5.78e-02	0.4281633	5.54e-02	0.5831366	9.97e-01	0.0661316	5.48e-01		
ENSG0000019573	19	4186625	4187295	RPS19	ensembl	havana	mRNA	protein_coding	-0.408662	3.94e-02	-0.379638	1.93e-01	-0.3701955	5.95e-01	-0.3706726	5.78e-02	0.4281633	5.54e-02	0.5831366	9.97e-01	0.0661316	5.48e-01		
ENSG0000019916	2	9458522	9460473	ALAS3S1.1	ensembl	havana	transcript_processed	antisense_intronic	-0.1821878	1.13e-01	-0.149862	3.02e-01	-0.1036671	8.56e-01	-0.3708484	5.78e-02	0.4150598	5.97e-02	0.4872766	8.96e-01	0.0925218	8.39e-01		
ENSG0000019411	17	6200045	6202732	EPH2	ensembl	havana	mRNA	protein_coding	-0.2041023	0.00e-00	-0.1774441	1.23e-01	-0.1583137	1.33e-01	-0.3707473	5.69e-02	0.4150598	5.97e-02	0.4872766	8.96e-01	0.0925218	8.39e-01		
ENSG0000011888	14	2254507	2254508	TRAP2	ensembl	havana	TR V gene	protein_coding	-0.1774441	1.23e-01	-0.1583137	1.33e-01	-0.3707473	5.69e-02	-0.3707473	5.69e-02	0.4150598	5.97e-02	0.4872766	8.96e-01	0.0925218	8.39e-01		
ENSG0000013958	14	9133219	9130778	UNC79	ensembl	havana	mRNA	protein_coding	YES	YES	-0.261148	1.93e-02	-0.1508895	2.96e-02	-0.1448525	2.61e-01	-0.3708484	5.78e-02	0.4150598	5.97e-02	0.4872766	8.96e-01		
ENSG0000014598	17	12794389	12794389	AC02614.4	ensembl	havana	transcript_processed	antisense_intronic	-0.261148	1.93e-02	-0.1508895	2.96e-02	-0.1448525	2.61e-01	-0.3708484	5.78e-02	0.4150598	5.97e-02	0.4872766	8.96e-01	0.0925218	8.39e-01		
ENSG0000016270	8	10246489	10246885	AC02212.1	ensembl	havana	incRNA	antisense_intronic	YES	YES	-0.1844141	1.08e-01	-0.1575511	2.75e-01	-0.1081918	5.91e-01	-0.3708814	5.68e-02	0.4022147	3.64e-02	0.5007407	5.88e-01		
ENSG0000013648	8	5306785	5308189	AC08483.1	ensembl	havana	transcript_processed	antisense_intronic	-0.207754	5.37e-02	-0.2127434	1.22e-01	-0.194243	4.88e-01	-0.3708814	5.68e-02	0.4022147	3.64e-02	0.5007407	5.88e-01	0.1899478	5.27e-01	0.1446012	3.16e-01
ENSG0000012581	17	12794389	12794389	AC02614.4	ensembl	havana	transcript_processed	antisense_intronic	YES	YES	-0.207754	5.37e-02	-0.2127434	1.22e-01	-0.194243	4.88e-01	-0.3708814	5.68e-02	0.4022147	3.64e-02	0.5007407	5.88e-01		
ENSG0000018615	5	12723797	12729713	AC01416.4	ensembl	havana	incRNA	antisense_intronic	YES	YES	-0.259555	1.94e-02	-0.1564822	2.22e-01	-0.03524617	8.61e-01	-0.3709215	5.68e-02	0.4057235	6.66e-01	0.3897488	6.48e-01	0.0526025	6.16e-01
ENSG0000012824	9	4138405	4138136	F8FBAP	ensembl	havana	transcript_processed	antisense_intronic	-0.102889	9.64e-02	-0.2461671	9.81e-02	-0.2730272	7.10e-01	-0.3709984	5.68e-02	0.410718	7.90e-02	0.4881188	5.98e-01	0.0127446	6.01e-01		
ENSG0000012484	7	5782813	5783746	AC02314.7	ensembl	havana	transcript_processed	antisense_intronic	-0.2080477	7.81e-02	-0.2352773	7.60e-02	-0.2352773	7.60e-02	-0.3709818	5.68e-02	0.410718	7.90e-02	0.4881188	5.98e-01	0.0127446	6.01e-01		
ENSG0000012931	17	9239589	9231366	OR8K1.AS1	ensembl	havana	transcript_processed	antisense_intronic	-0.2144813	0.00e-00	-0.2144813	0.00e-00	-0.2144813	0.00e-00	-0.3710438	5.68e-02	0.410718	7.90e-02	0.4881188	5.98e-01	0.0127446	6.01e-01		
ENSG0000016149	17	4384718	4383639	CD3DGL	ensembl	havana	mRNA	protein_coding	-0.2589311	1.17e-02	-0.1524441	1.33e-01	-0.1749211	3.67e-01	-0.3710438	5.68e-02	0.410718	7.90e-02	0.4881188	5.98e-				

ENSG0000026402	16	32262827	32265134	AC13481.2	havana	lncRNA	-0.188984	1.01e-01	-0.182748	2.04e-01	-0.099710	6.21e-01	-0.381811	4.84e-02	-0.270500	4.79e-02	0.1742814	4.26e-01	-0.029193	8.40e-01
ENSG0000025410 <td>11</td> <td>683026</td> <td>683396</td> <td>AC091564.5</td> <td>havana</td> <td>lncRNA</td> <td>-0.192909</td> <td>9.72e-02</td> <td>-0.213794</td> <td>1.86e-01</td> <td>-0.068429</td> <td>7.81e-01</td> <td>-0.381819</td> <td>4.94e-02</td> <td>-0.217175</td> <td>6.68e-02</td> <td>0.153808</td> <td>4.83e-01</td> <td>-0.112173</td> <td>4.88e-01</td>	11	683026	683396	AC091564.5	havana	lncRNA	-0.192909	9.72e-02	-0.213794	1.86e-01	-0.068429	7.81e-01	-0.381819	4.94e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000048316	17	8130443	8131373	AC093861.1	havana	antisense transcript	-0.242999	3.96e-02	-0.242999	1.54e-01	-0.164931	4.98e-01	-0.381819	4.94e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000026267	16	3145611	3145976	AC04741.1	havana	antisense transcript	-0.242999	3.96e-02	-0.242999	1.54e-01	-0.164931	4.98e-01	-0.381819	4.94e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000040993	2	1403139	1403762	ASMTL	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000027974	27	53092148	53092191	AT1242.4	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000023369	7	7315438	7320783	GTFRAP1	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000027004	7	37278569	37283744	ZNRK2P1	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000017628	1	12662760	12662760	RRS20	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000024880	4	8424003	8424588	AC09533.1	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000029577	12	934880	9349268	AC09533.4	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000028282	13	2072968	2072968	RRS20	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000018687	5	13117904	13120528	LYRM7	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000017429	1	2058129	2058446	TMEM81	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000023366	8	4719707	4719762	AC12006.4	havana	lncRNA	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000020047	7	7238718	7238841	ACAP1	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000024638	15	2811561	2811609	RRP12	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000012154	2	3864492	3917763	TMEM78A	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000024438	17	4879620	4880661	ITK1	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000024411	8	3755992	3756477	AC12067.3	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000025441	6	8728290	8729278	GIB1	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000023344	13	1027268	1028256	HELIP3	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000029026	9	2440930	2452670	ADAM7	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000027313	17	3792415	3793365	TBC1D3	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000018696	17	4499381	4499440	SPATC1	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000014988	19	4661563	4661971	HSF2	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000019737	19	2352561	2358720	ZNF575	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000020239	8	468758	469769	LINC0253	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG000001386	1	6077564	6077564	AC09752.4	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000023055	1	6804330	6804433	AL137407.1	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000027585	2	1208692	12105247	ACAC137.2	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000027599	17	5302797	5302841	TMEM78A	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000025452	8	6311981	6312034	AC09137.2	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000020060	13	4389475	4389518	AL12526.2	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000021334	1	10130546	10130546	BE2	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000028022	12	8093536	8093533	MIR38	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000025823	10	10217099	10216403	DMALNC	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000019999	17	12420483	12420483	LINC02813	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000020404	2	2382004	2384089	TRAP3	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000019048	2	4609257	4609184	CYP411	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000025670	17	4186729	4186729	AC09679.4	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01
ENSG0000011396	17	4115948	4116748	KRTAP4	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000019964	17	1689297	1689184	MYH4	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83e-01	-0.112173	4.88e-01	
ENSG0000024179	1	1306169	1306169	AC093861.1	havana	antisense transcript	-0.202605	5.87e-02	-0.202605	1.83e-01	-0.303887	1.24e-01	-0.381811	4.93e-02	-0.217175	6.68e-02	0.153808	4.83		

ENSG000001901	1	11166811	11170649	AIG13	ensembl	havana	protein coding	-0.226933	4.71E-07	-0.132011	1.85E-04	-0.0649858	9.31E-01	-0.187307	4.59E-02	-0.208639	1.30E-01	-0.113668	1.45E-01	-0.113834	3.54E-01		
ENSG0000017415	1	9280851	9280957	AC105028.4	havana	incRNA	antisense	-0.255393	7.29E-02	-0.187744	1.61E-01	-0.0944489	6.39E-01	-0.187144	4.59E-02	-0.202711	1.42E-01	-0.099919	1.35E-01	-0.122871	9.95E-01		
ENSG000001681	1	1516173	1516173	TFP12	ensembl	havana	transcribed unannotated	-0.255393	7.29E-02	-0.187744	1.61E-01	-0.0944489	6.39E-01	-0.187144	4.59E-02	-0.202711	1.42E-01	-0.099919	1.35E-01	-0.122871	9.95E-01		
ENSG0000016075	1	1541673	1541683	SU172	ensembl	havana	protein coding	-0.212828	2.84E-01	-0.207704	5.70E-01	-0.0742738	8.14E-01	-0.187309	4.59E-02	-0.207117	1.44E-01	-0.084761	1.37E-01	-0.030911	3.86E-01		
ENSG0000012868	1	1781272	1785215	AC016052.1	havana	transcribed unannotated	YES	YES	-0.282803	1.17E-02	-0.102785	2.01E-01	-0.213182	2.40E-01	-0.187403	4.59E-02	-0.449615	5.47E-01	-0.70503	3.40E-01	-0.150938	1.84E-01	
ENSG0000012786	1	14279166	14279166	AC016052.1	havana	transcribed unannotated	YES	YES	-0.282803	1.17E-02	-0.102785	2.01E-01	-0.213182	2.40E-01	-0.187403	4.59E-02	-0.449615	5.47E-01	-0.70503	3.40E-01	-0.150938	1.84E-01	
ENSG0000016049	7	2752442	2762083	H1BAD	ensembl	havana	protein coding	-0.087643	1.07E-03	-0.187463	6.77E-01	-0.187465	5.92E-01	-0.187465	4.58E-02	-0.185348	1.43E-01	-0.185348	3.86E-01	-0.151099	6.68E-01		
ENSG0000011596	2	23152187	23153045	NMUR1	ensembl	havana	protein coding	-0.286544	1.18E-01	-0.308756	2.91E-01	-0.264872	1.82E-01	-0.187474	4.58E-02	-0.355289	8.38E-01	-0.113789	6.06E-01	-0.062177	6.68E-01		
ENSG0000013993	20	9230924	9265037	AC007308.1	havana	transcribed unannotated	YES	YES	-0.286544	1.18E-01	-0.308756	2.91E-01	-0.264872	1.82E-01	-0.187474	4.58E-02	-0.355289	8.38E-01	-0.113789	6.06E-01	-0.062177	6.68E-01	
ENSG0000012620	12	12146583	12152984	AC007308.1	havana	transcribed unannotated	YES	YES	-0.286544	1.18E-01	-0.308756	2.91E-01	-0.264872	1.82E-01	-0.187474	4.58E-02	-0.355289	8.38E-01	-0.113789	6.06E-01	-0.062177	6.68E-01	
ENSG0000013872	6	9505406	9525724	AC08388.1	havana	incRNA	antisense	-0.1157054	1.73E-01	-0.179016	2.31E-01	-0.0593129	7.68E-01	-0.187708	4.57E-02	-0.233113	8.95E-01	-0.186749	5.31E-01	-0.020916	5.80E-01		
ENSG0000014242	1	4299103	4214649	AC02084.2	havana	incRNA	antisense	YES	YES	-0.246024	2.56E-01	-0.1033964	8.20E-01	-0.187368	4.43E-02	-0.186838	4.43E-01	-0.186838	4.70E-01	-0.021843	5.89E-01		
ENSG0000014055	1	22040112	22040103	AC09664.3	havana	incRNA	antisense	YES	YES	-0.210981	5.31E-01	-0.102513	2.40E-01	-0.153968	4.43E-01	-0.187115	4.57E-02	-0.185919	0.94E-01	-0.097913	5.00E-01		
ENSG0000017896	21	8197620	8227664	PRF1120.4	havana	incRNA	antisense	-0.206602	7.14E-01	-0.185447	1.87E-01	-0.0949121	6.39E-01	-0.187729	4.57E-02	-0.287367	3.36E-01	-0.142824	3.22E-01	-0.142824	3.22E-01		
ENSG0000012475	19	5836718	5831030	ZNF87	ensembl	havana	protein coding	-0.146893	1.99E-02	-0.144444	2.07E-01	-0.156772	4.31E-01	-0.187711	4.57E-02	-0.245250	1.94E-01	-0.254779	2.11E-01	-0.20564	1.53E-01		
ENSG0000017660	1	4299103	4214649	AC02084.2	havana	incRNA	antisense	YES	YES	-0.246024	2.56E-01	-0.1033964	8.20E-01	-0.187368	4.43E-02	-0.186838	4.43E-01	-0.186838	4.70E-01	-0.021843	5.89E-01		
ENSG0000018635	14	5733203	5744472	AL13588.2	havana	transcribed unannotated	YES	YES	-0.25986	2.24E-01	-0.216108	1.22E-01	-0.1977219	3.21E-01	-0.187706	4.57E-02	-0.180849	4.50E-01	-0.093237	6.72E-01	-0.144132	3.92E-01	
ENSG0000011394	17	17525151	17584849	ML52	ensembl	havana	protein coding	-0.243312	3.30E-02	-0.203104	1.47E-01	-0.0514001	7.99E-01	-0.187254	4.56E-02	-0.41812	3.50E-01	-0.279419	2.92E-01	-0.1151116	2.93E-01		
ENSG0000013474	1	4299103	4214649	AC02084.2	havana	incRNA	antisense	YES	YES	-0.246024	2.56E-01	-0.1033964	8.20E-01	-0.187368	4.43E-02	-0.186838	4.43E-01	-0.186838	4.70E-01	-0.021843	5.89E-01		
ENSG0000012819	14	7706919	7707882	LOC102789	havana	incRNA	antisense	-0.230776	4.35E-02	-0.113745	1.37E-01	-0.077988	1.18E-01	-0.187858	4.56E-02	-0.236681	4.56E-01	-0.02604	6.06E-01	-0.06741	6.78E-01		
ENSG0000012983	17	1567993	1596658	SLC7A1P1	ensembl	havana	transcribed unannotated	YES	YES	-0.190001	9.78E-02	-0.104222	4.88E-01	-0.166883	2.78E-01	-0.187344	4.56E-02	-0.112211	2.15E-01	-0.097478	6.58E-01	-0.166425	2.49E-01
ENSG0000017635	2	14192245	14207184	OPN4	ensembl	havana	protein coding	-0.132418	1.67E-01	-0.137088	2.06E-01	-0.1292319	3.31E-01	-0.187427	4.56E-02	-0.450283	3.33E-01	-0.066206	7.64E-01	-0.113317	4.01E-01		
ENSG0000012716	6	4185479	4185950	AL136306.2	havana	transcribed unannotated	YES	YES	-0.250933	2.77E-01	-0.189958	1.86E-01	-0.139883	1.37E-01	-0.187929	4.55E-02	-0.173225	5.44E-01	-0.090613	6.81E-01	-0.155139	2.82E-01	
ENSG0000012828	15	3993415	4003591	EIF2A3	ensembl	havana	protein coding	-0.160299	1.64E-01	-0.160299	2.09E-01	-0.1623697	3.14E-01	-0.187963	4.55E-02	-0.1726059	3.61E-01	-0.1242237	3.61E-01	-0.2299789	1.08E-01		
ENSG0000012490	12	4820389	4820389	OR10A2	ensembl	havana	protein coding	-0.211845	6.44E-02	-0.205077	1.53E-01	-0.24336	1.81E-01	-0.188007	4.56E-02	-0.294213	3.07E-01	-0.088823	7.57E-01	-0.106351	7.67E-01		
ENSG0000014360	15	6238737	6238879	AC02011.1	havana	incRNA	antisense	YES	YES	-0.220232	9.93E-01	-0.211765	1.22E-01	-0.1210105	2.77E-01	-0.188023	4.55E-02	-0.148788	3.81E-01	-0.113185	2.26E-01		
ENSG0000011120	12	2812627	2819791	ITFG2	ensembl	havana	protein coding	-0.078331	6.79E-02	-0.068329	1.37E-01	-0.1880708	1.73E-01	-0.1880708	4.56E-02	-0.428434	3.60E-01	-0.041451	9.85E-01	-0.041451	4.72E-01		
ENSG00000124025	1	11187051	11183990	TRF305	ensembl	havana	protein coding	-0.038269	7.23E-02	-0.170745	5.32E-01	-0.121318	2.45E-01	-0.188143	4.56E-02	-0.284003	3.70E-01	-0.162654	4.58E-01	-0.020797	1.59E-01		
ENSG0000012857.1	1	12742518	12742518	AC02051.2	havana	transcribed unannotated	YES	YES	-0.250512	2.76E-01	-0.188052	2.41E-01	-0.188052	4.56E-02	-0.188052	4.56E-02	-0.289278	5.32E-01	-0.028788	5.32E-01	-0.028788	5.32E-01	
ENSG00000146538	17	1563703	1551389	AC0858.2	havana	incRNA	antisense	-0.178864	1.42E-01	-0.178864	6.57E-01	-0.178864	5.66E-01	-0.188043	4.57E-02	-0.188043	4.56E-02	-0.199146	3.68E-01	-0.048791	1.54E-01		
ENSG000001986	3	11259677	11249530	CCDC30	ensembl	havana	protein coding	-0.261835	2.07E-02	-0.18455	1.99E-01	-0.194224	3.32E-01	-0.188026	4.52E-02	-0.395178	1.10E-01	-0.104015	3.35E-01	-0.206714	5.94E-01		
ENSG0000015727	1	1431568	14320853	AC0848.451	havana	transcribed unannotated	YES	YES	-0.261835	2.07E-02	-0.18455	1.99E-01	-0.194224	3.32E-01	-0.188026	4.52E-02	-0.395178	1.10E-01	-0.104015	3.35E-01	-0.206714	5.94E-01	
ENSG00000120915	8	2740971	2745454	EPK2	ensembl	havana	protein coding	-0.180779	8.04E-02	-0.180779	4.11E-01	-0.00326729	9.87E-01	-0.187724	4.51E-02	-0.425302	3.80E-01	-0.0777029	1.54E-01	-0.0777029	1.54E-01		
ENSG0000017043	14	7279212	72792930	AC09710.1	havana	transcribed unannotated	YES	YES	-0.173846	1.11E-01	-0.121447	7.79E-01	-0.080659	6.89E-01	-0.188733	4.51E-02	-0.191267	1.66E-01	-0.105468	6.32E-01	-0.0859	5.31E-01	
ENSG0000012111	1	12742518	12742518	AC02051.2	havana	transcribed unannotated	YES	YES	-0.250512	2.76E-01	-0.188052	2.41E-01	-0.188052	4.56E-02	-0.188052	4.56E-02	-0.289278	5.32E-01	-0.028788	5.32E-01	-0.028788	5.32E-01	
ENSG0000012747	13	3786825	3787444	AL13645.1	havana	transcribed unannotated	YES	YES	-0.154649	1.79E-01	-0.129033	6.42E-01	-0.1138955	1.13E-01	-0.188933	4.50E-02	-0.185794	8.08E-01	-0.158488	5.88E-01	-0.1171898	4.18E-01	
ENSG00000111351	19	1049729	1075625	HAUS8	ensembl	havana	protein coding	-0.160555	1.42E-01	-0.24918	8.10E-01	-0.1745130	8.84E-01	-0.188094	4.50E-02	-0.136965	1.93E-01	-0.135489	3.88E-01	-0.0041139	9.77E-01		
ENSG0000012024	18	5096068	5097629	LOC102108	havana	incRNA	antisense	-0.114928	1.48E-01	-0.103394	3.11E-01	-0.146675	4.65E-01	-0.188738	4.49E-02	-0.174975	1.53E-01	-0.188738	7.22E-01	-0.1738048	2.72E-01		
ENSG0000017045	1	11161049	11172948	AC02051.2	havana	transcribed unannotated	YES	YES	-0.250512	2.76E-01	-0.188052	2.41E-01	-0.188052	4.56E-02	-0.188052	4.56E-02	-0.289278	5.32E-01	-0.028788	5.32E-01	-0.028788	5.32E-01	
ENSG00000129317	2	17111036	17121262	AC09350.2	havana	incRNA	antisense	-0.160223	1.52E-01	-0.168835	5.91E-01	-0.1728481	8.89E-01	-0.188886	4.49E-02	-0.1852156	3.80E-01	-0.185827	4.70E-01	-0.073497	3.87E-01		
ENSG00000124969	5	14079852	14101247	PCNA4	havana	protein coding	-0.207089	1.14E-01	-0.213329	5.13E-01	-0.113430	5.67E-01	-0.188993	4.49E-02	-0.402488	2.56E-01	-0.113678	6.06E-01	-0.125939	8.46E-01			
ENSG0000019650	1	1431568	14320853	AC0848.451	havana	transcribed unannotated	YES	YES	-0.261835	2.07E-02	-0.18455	1.99E-01	-0.194224	3.32E-01									

Gene	Transcript	Transcript Type	Transcript Location	Transcript Orientation	Transcript Status	Transcript Length (bp)	Transcript GC Content (%)	Transcript GC Skew	Transcript GC Skew (std)	Transcript GC Skew (p)	Transcript GC Skew (q)	Transcript GC Skew (r)	Transcript GC Skew (s)	Transcript GC Skew (t)	Transcript GC Skew (u)	Transcript GC Skew (v)	Transcript GC Skew (w)	Transcript GC Skew (x)	Transcript GC Skew (y)	Transcript GC Skew (z)
ENSG0000026650	X	13016094	13016605	ALI3924.1	transcript_unprocessed	161	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000014438	X	11517517	11520543	MPK8	mRNA	3266	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000024994	X	13016094	13016605	ALI3924.1	transcript_unprocessed	161	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000024316	X	7898864	7905093	MIR38	antisense_intronic	629	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000014432	X	9102209	9103611	VPS13B	mRNA	1502	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000026676	X	4388911	4390274	EIF2A3	antisense_intronic	363	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000024928	X	9176932	9178179	EIF2A3	antisense_intronic	1447	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000026671	X	13131382	13138518	ACD995.1	transcript_unprocessed	726	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000013679	X	8027966	8030257	TMS6P2	antisense_intronic	2291	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000026673	X	2007958	2008639	ACD995.1	transcript_unprocessed	681	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000139292	X	7143978	7158810	LEIS	mRNA	14912	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000140569	X	4338649	4338185	MIR49	antisense_intronic	556	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000016575	X	3001203	3001594	ICAD	mRNA	391	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000183128	X	10347280	10347240	CALM3	mRNA	40	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000026670	X	4647171	4646137	ACD995.1	transcript_unprocessed	1034	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000014544	X	7324270	7320382	KIF20B	mRNA	3892	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000014580	X	8261462	8264853	WDR45	mRNA	3391	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000021571	X	2883769	2883936	ACD995.1	transcript_unprocessed	166	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000021571	X	2883769	2883936	ACD995.1	transcript_unprocessed	166	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000021571	X	2883769	2883936	ACD995.1	transcript_unprocessed	166	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000026658	X	1642381	1642601	PABPC1P	transcript_unprocessed	220	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000142968	X	11206749	11207206	SOX1	mRNA	507	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000142968	X	11206749	11207206	SOX1	mRNA	507	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000142968	X	11206749	11207206	SOX1	mRNA	507	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000026626	X	11624487	11624728	ALDO3B2.1	transcript_unprocessed	241	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000186602	X	1973784	1974893	ALDO3B2.1	transcript_unprocessed	1109	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000186602	X	1973784	1974893	ALDO3B2.1	transcript_unprocessed	1109	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000186602	X	1973784	1974893	ALDO3B2.1	transcript_unprocessed	1109	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000135794	X	20148421	20151978	CAL6	mRNA	3556	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000135794	X	20148421	20151978	CAL6	mRNA	3556	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000135794	X	20148421	20151978	CAL6	mRNA	3556	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000266806	X	2472130	2473890	ALB1566.1	transcript_unprocessed	1760	41.62	0.000000	0.000000											

ENSG0000027168	6	21664185	22654455	CASC15	havana	lncRNA	YES	YES	-0.2581683	2.34e-02	-0.122088	3.98e-02	-0.0268344	8.94e-01	-0.419085	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000026261	11	12172914	12174175	ZNF403	antisense intron	protein coding	YES	YES	-0.344881	2.11e-02	-0.322467	1.21e-02	-0.0182799	9.57e-01	-0.4191718	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000025180	14	2251282	2252208	TRAB3	antisense intron	protein coding	YES	YES	-0.344881	2.11e-02	-0.322467	1.21e-02	-0.0182799	9.57e-01	-0.4191718	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000026464	17	1187427	1188170	AC020201.1	antisense lincRNA	antisense intron	YES	YES	-0.245301	4.01e-02	-0.245688	6.66e-02	-0.1670893	4.01e-01	-0.4124023	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021347	22	4200046	4200191	SILC5A9P1	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.270344	1.51e-02	-0.262538	8.02e-02	-0.2596181	1.91e-01	-0.4192468	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021330	22	4200046	4200191	SILC5A9P1	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.270344	1.51e-02	-0.262538	8.02e-02	-0.2596181	1.91e-01	-0.4192468	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000026779	1	2045285	2045292	AL152306.1	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.230027	4.23e-02	-0.4909015	8.01e-02	-0.0480514	8.10e-01	-0.4180207	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000079371	1	130965728	130474794	PPP3R3A	antisense intron	protein coding	YES	YES	-0.305238	6.69e-02	-0.224731	1.04e-02	-0.2847248	1.50e-01	-0.4194295	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021629	1	5266297	5266266	AC133172.2	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.261882	3.12e-02	-0.261882	3.12e-02	-0.261882	3.12e-02	-0.4194295	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021597	20	3347720	3354444	PPP3R3	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.2718956	1.28e-02	-0.1880031	3.46e-01	-0.1880031	3.46e-01	-0.4194295	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021470	7	13046794	131728769	FLJ40288	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.280774	1.06e-02	-0.276522	5.19e-02	-0.1913553	3.39e-01	-0.4190505	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021263	14	2251282	2252208	TRAB3	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.344881	2.11e-02	-0.322467	1.21e-02	-0.0182799	9.57e-01	-0.4191718	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021030	17	1178337	11784012	RPLP12	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.245301	4.01e-02	-0.371255	5.48e-02	-0.1021594	9.50e-01	-0.4182118	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021827	1	1537393	1538201	AC113522.2	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.1431172	2.14e-01	-0.1930206	1.65e-01	-0.1375860	6.74e-01	-0.4196155	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000027133	16	3112225	3112464	AC135090.6	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.400938	2.43e-02	-0.400938	2.43e-02	-0.400938	2.43e-02	-0.4196069	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000027961	1	1256216	1256216	TRIM44	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.36988	9.40e-02	-0.36988	9.40e-02	-0.36988	9.40e-02	-0.4196069	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG00000218970	14	5959576	5980776	RTN1	antisense intron	protein coding	YES	YES	-0.286878	1.09e-02	-0.311181	9.98e-02	-0.0497979	8.01e-01	-0.4197195	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021597	15	9641752	9654778	AMP108	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.204173	7.14e-02	-0.205966	7.88e-02	-0.210892	2.84e-01	-0.419877	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021981	15	7027480	7024663	TRKBP1	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.214717	5.74e-02	-0.214717	5.74e-02	-0.214717	5.74e-02	-0.419877	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021666	19	3712837	3716935	ZNF75	antisense intron	protein coding	YES	YES	-0.277406	1.91e-02	-0.381277	2.22e-02	-0.0842596	6.76e-01	-0.4194451	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021213	17	7860523	7863215	SCF1	antisense intron	lncRNA	YES	YES	-0.115827	2.99e-01	-0.115828	2.99e-01	-0.4581799	1.62e-01	-0.4201557	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021666	20	3356454	3362700	CNRD3	antisense intron	protein coding	YES	YES	-0.303808	7.25e-02	-0.303808	7.25e-02	-0.303808	7.25e-02	-0.4200448	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000022028	13	2461366	2461363	AC139582.2	antisense intron	unintegrated pseudogene	YES	YES	-0.282054	1.07e-01	-0.282027	1.49e-01	-0.1529585	4.48e-01	-0.4200501	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000020679	11	6992138	6992813	AP071216.1	antisense intron	lncRNA	YES	YES	-0.193415	4.38e-02	-0.193407	1.61e-01	-0.1489374	4.59e-01	-0.4203264	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021984	16	359633	357403	MIR33	antisense intron	protein coding	YES	YES	-0.312772	5.46e-02	-0.409229	5.80e-02	-0.0619490	7.61e-01	-0.420582	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000024497	19	1899988	1934023	SUGP2	antisense intron	protein coding	YES	YES	-0.489804	6.46e-02	-0.488111	1.33e-01	-0.428592	2.81e-01	-0.4204484	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021981	5	6987521	6992067	GUSP13	antisense intron	unprocessed pseudogene	YES	YES	-0.251601	2.74e-02	-0.358371	1.79e-01	-0.4204071	8.44e-01	-0.4204071	8.44e-01	-0.4204071	8.44e-01	-0.4204071	8.44e-01	-0.4204071	8.44e-01
ENSG00000214346	19	4955448	4959262	NOS3	antisense intron	protein coding	YES	YES	-0.282491	1.28e-02	-0.379925	6.07e-02	-0.0574404	7.76e-01	-0.420722	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021796	1	12602156	12701328	TRIM44	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.303808	7.25e-02	-0.303808	7.25e-02	-0.303808	7.25e-02	-0.4200448	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021801	11	10080078	10080028	AP03371.1	antisense intron	lncRNA	YES	YES	-0.207558	7.70e-02	-0.159678	4.23e-01	-0.389738	6.45e-01	-0.4205396	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021089	1	6343467	6309774	ARHGAP9	antisense intron	protein coding	YES	YES	-0.272428	1.46e-02	-0.274788	5.35e-02	-0.1413058	4.82e-01	-0.4200827	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021473	1	12460238	12462979	LINC02134	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.272428	1.46e-02	-0.274788	5.35e-02	-0.1413058	4.82e-01	-0.4200827	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021028	5	12243497	12247307	MIR3205	antisense intron	lncRNA	YES	YES	-0.279764	8.49e-02	-0.279764	8.49e-02	-0.279764	8.49e-02	-0.4207776	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG00000218257	1	11977431	11980416	PLAZA2A	antisense intron	protein coding	YES	YES	-0.228104	4.59e-02	-0.228118	1.11e-01	-0.260133	1.90e-01	-0.4207784	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG00000216679	1	1256216	1256216	TRIM44	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.36988	9.40e-02	-0.36988	9.40e-02	-0.36988	9.40e-02	-0.4196069	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG00000214251	20	4372557	4340789	PTPSTG	antisense intron	protein coding	YES	YES	-0.256773	4.22e-02	-0.114934	3.40e-01	-0.0590835	6.37e-01	-0.4207778	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021786	12	13159301	13159308	AC113112.1	antisense intron	lncRNA	YES	YES	-0.209728	6.71e-02	-0.110112	1.41e-01	-0.1877429	8.48e-01	-0.4200021	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021655	19	137596	1529285	MIR33	antisense intron	protein coding	YES	YES	-0.312772	5.46e-02	-0.409229	5.80e-02	-0.0619490	7.61e-01	-0.420582	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG0000021647	17	5266216	5266216	TRIM44	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.36988	9.40e-02	-0.36988	9.40e-02	-0.36988	9.40e-02	-0.4196069	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG00000210646	2	13047731	13049225	RFP2P	antisense intron	transcribed unprocessed pseudogene	YES	YES	-0.1442261	2.11e-01	-0.1916889	1.86e-01	-0.1516238	4.50e-01	-0.4211806	2.96e-02	-0.462173	2.34e-02	-0.178003	4.16e-02	-0.1171001	4.40e-02
ENSG00000210472	6	7338839	7339558	AC139095.																		

ENSG0000017643	1	21617468	21786207	MAMC1L	ensembl	havana	protein_coding	-0.3974782	3.44e-04	0.3426468	1.89e-02	0.2327270	2.44e-01	0.4285979	2.57e-02	0.5210995	1.35e-01	0.1783932	4.16e-01	-0.0789407	6.00e-01	
ENSG000001772	1	14802154	14802777	ADCC2L2	havana	TEC	antisense_intronic	-0.2092644	6.74e-02	-0.2670278	6.11e-02	0.1891290	8.45e-01	0.4286284	2.57e-04	0.2324213	5.56e-02	0.2724483	9.01e-01	-0.10392	4.50e-01	
ENSG0000014264	1	17474002	17474003	HMGCL2	ensembl <td>havana</td> <td>antisense_intronic <td>YES <td>-0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> </td></td>	havana	antisense_intronic <td>YES <td>-0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> </td>	YES <td>-0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td> <td>0.1212988</td>	-0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	0.1212988	
ENSG0000017909	1	744421	73999	GEMN4	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.3506319</td> <td>1.77e-03</td> <td>0.3466222</td> <td>1.55e-01</td> <td>0.0171319</td> <td>9.54e-01</td> <td>0.4284877</td> <td>2.56e-02</td> <td>0.4602239</td> <td>8.60e-01</td> <td>0.1233736</td> <td>5.76e-01</td> <td>0.0613328</td> <td>6.78e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.3506319</td> <td>1.77e-03</td> <td>0.3466222</td> <td>1.55e-01</td> <td>0.0171319</td> <td>9.54e-01</td> <td>0.4284877</td> <td>2.56e-02</td> <td>0.4602239</td> <td>8.60e-01</td> <td>0.1233736</td> <td>5.76e-01</td> <td>0.0613328</td> <td>6.78e-01</td> </td>	YES <td>-0.3506319</td> <td>1.77e-03</td> <td>0.3466222</td> <td>1.55e-01</td> <td>0.0171319</td> <td>9.54e-01</td> <td>0.4284877</td> <td>2.56e-02</td> <td>0.4602239</td> <td>8.60e-01</td> <td>0.1233736</td> <td>5.76e-01</td> <td>0.0613328</td> <td>6.78e-01</td>	-0.3506319	1.77e-03	0.3466222	1.55e-01	0.0171319	9.54e-01	0.4284877	2.56e-02	0.4602239	8.60e-01	0.1233736	5.76e-01	0.0613328	6.78e-01
ENSG0000017077	1	11485098	11485044	DELIC1	ensembl <td>havana</td> <td>incRNA</td> <td>YES <td>-0.2807994</td> <td>1.14e-02</td> <td>-0.1403943</td> <td>1.10e-02</td> <td>0.1312197</td> <td>1.13e-01</td> <td>0.4280886</td> <td>2.56e-02</td> <td>0.4303606</td> <td>4.34e-02</td> <td>0.1624133</td> <td>4.99e-01</td> <td>-0.252481</td> <td>1.14e-01</td> </td>	havana	incRNA	YES <td>-0.2807994</td> <td>1.14e-02</td> <td>-0.1403943</td> <td>1.10e-02</td> <td>0.1312197</td> <td>1.13e-01</td> <td>0.4280886</td> <td>2.56e-02</td> <td>0.4303606</td> <td>4.34e-02</td> <td>0.1624133</td> <td>4.99e-01</td> <td>-0.252481</td> <td>1.14e-01</td>	-0.2807994	1.14e-02	-0.1403943	1.10e-02	0.1312197	1.13e-01	0.4280886	2.56e-02	0.4303606	4.34e-02	0.1624133	4.99e-01	-0.252481	1.14e-01
ENSG0000010239	1	12970134	12971094	PCP4L	ensembl <td>havana</td> <td>antisense_intronic <td>YES <td>-0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> </td></td>	havana	antisense_intronic <td>YES <td>-0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> </td>	YES <td>-0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td> <td>0.2011126</td>	-0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	0.2011126	
ENSG0000014502	1	20951386	20954360	SLC6A8	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2861236</td> <td>0.86e-03</td> <td>-0.1403721</td> <td>2.58e-01</td> <td>0.2323256</td> <td>2.44e-01</td> <td>0.4291576</td> <td>2.56e-02</td> <td>0.4868183</td> <td>9.04e-01</td> <td>0.02474</td> <td>9.11e-01</td> <td>-0.186315</td> <td>1.14e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.2861236</td> <td>0.86e-03</td> <td>-0.1403721</td> <td>2.58e-01</td> <td>0.2323256</td> <td>2.44e-01</td> <td>0.4291576</td> <td>2.56e-02</td> <td>0.4868183</td> <td>9.04e-01</td> <td>0.02474</td> <td>9.11e-01</td> <td>-0.186315</td> <td>1.14e-01</td> </td>	YES <td>-0.2861236</td> <td>0.86e-03</td> <td>-0.1403721</td> <td>2.58e-01</td> <td>0.2323256</td> <td>2.44e-01</td> <td>0.4291576</td> <td>2.56e-02</td> <td>0.4868183</td> <td>9.04e-01</td> <td>0.02474</td> <td>9.11e-01</td> <td>-0.186315</td> <td>1.14e-01</td>	-0.2861236	0.86e-03	-0.1403721	2.58e-01	0.2323256	2.44e-01	0.4291576	2.56e-02	0.4868183	9.04e-01	0.02474	9.11e-01	-0.186315	1.14e-01
ENSG0000012901	20	304662	304820	MRP25	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2405131</td> <td>3.51e-02</td> <td>-0.2035597</td> <td>1.56e-02</td> <td>0.1392792</td> <td>4.88e-01</td> <td>0.4292367</td> <td>2.56e-02</td> <td>0.3629036</td> <td>7.00e-02</td> <td>0.0532026</td> <td>8.10e-01</td> <td>-0.1071425</td> <td>4.98e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.2405131</td> <td>3.51e-02</td> <td>-0.2035597</td> <td>1.56e-02</td> <td>0.1392792</td> <td>4.88e-01</td> <td>0.4292367</td> <td>2.56e-02</td> <td>0.3629036</td> <td>7.00e-02</td> <td>0.0532026</td> <td>8.10e-01</td> <td>-0.1071425</td> <td>4.98e-01</td> </td>	YES <td>-0.2405131</td> <td>3.51e-02</td> <td>-0.2035597</td> <td>1.56e-02</td> <td>0.1392792</td> <td>4.88e-01</td> <td>0.4292367</td> <td>2.56e-02</td> <td>0.3629036</td> <td>7.00e-02</td> <td>0.0532026</td> <td>8.10e-01</td> <td>-0.1071425</td> <td>4.98e-01</td>	-0.2405131	3.51e-02	-0.2035597	1.56e-02	0.1392792	4.88e-01	0.4292367	2.56e-02	0.3629036	7.00e-02	0.0532026	8.10e-01	-0.1071425	4.98e-01
ENSG0000010629	7	10037070	10011841	YAF2	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.204166</td> <td>7.49e-01</td> <td>-0.3324852</td> <td>2.56e-02</td> <td>0.4294281</td> <td>2.56e-02</td> <td>0.4292077</td> <td>9.04e-01</td> <td>0.0211234</td> <td>9.20e-01</td> <td>0.1336612</td> <td>5.66e-01</td> <td>0.006623</td> <td>7.68e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.204166</td> <td>7.49e-01</td> <td>-0.3324852</td> <td>2.56e-02</td> <td>0.4294281</td> <td>2.56e-02</td> <td>0.4292077</td> <td>9.04e-01</td> <td>0.0211234</td> <td>9.20e-01</td> <td>0.1336612</td> <td>5.66e-01</td> <td>0.006623</td> <td>7.68e-01</td> </td>	YES <td>-0.204166</td> <td>7.49e-01</td> <td>-0.3324852</td> <td>2.56e-02</td> <td>0.4294281</td> <td>2.56e-02</td> <td>0.4292077</td> <td>9.04e-01</td> <td>0.0211234</td> <td>9.20e-01</td> <td>0.1336612</td> <td>5.66e-01</td> <td>0.006623</td> <td>7.68e-01</td>	-0.204166	7.49e-01	-0.3324852	2.56e-02	0.4294281	2.56e-02	0.4292077	9.04e-01	0.0211234	9.20e-01	0.1336612	5.66e-01	0.006623	7.68e-01
ENSG0000010589	13	11397783	11413263	RASA3	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2801615</td> <td>1.36e-01</td> <td>-0.3727921</td> <td>1.09e-01</td> <td>0.2041972</td> <td>9.08e-01</td> <td>0.4295232</td> <td>2.56e-02</td> <td>0.3193433</td> <td>3.86e-02</td> <td>0.0388317</td> <td>8.60e-01</td> <td>0.0388874</td> <td>7.89e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.2801615</td> <td>1.36e-01</td> <td>-0.3727921</td> <td>1.09e-01</td> <td>0.2041972</td> <td>9.08e-01</td> <td>0.4295232</td> <td>2.56e-02</td> <td>0.3193433</td> <td>3.86e-02</td> <td>0.0388317</td> <td>8.60e-01</td> <td>0.0388874</td> <td>7.89e-01</td> </td>	YES <td>-0.2801615</td> <td>1.36e-01</td> <td>-0.3727921</td> <td>1.09e-01</td> <td>0.2041972</td> <td>9.08e-01</td> <td>0.4295232</td> <td>2.56e-02</td> <td>0.3193433</td> <td>3.86e-02</td> <td>0.0388317</td> <td>8.60e-01</td> <td>0.0388874</td> <td>7.89e-01</td>	-0.2801615	1.36e-01	-0.3727921	1.09e-01	0.2041972	9.08e-01	0.4295232	2.56e-02	0.3193433	3.86e-02	0.0388317	8.60e-01	0.0388874	7.89e-01
ENSG0000017019	4	2604683	2603909	CCND3	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2302649</td> <td>3.16e-03</td> <td>-0.3439989</td> <td>6.70e-02</td> <td>0.0734631</td> <td>7.80e-01</td> <td>0.4296246</td> <td>2.56e-02</td> <td>0.3997474</td> <td>7.70e-01</td> <td>0.0099923</td> <td>8.86e-01</td> <td>0.025514</td> <td>8.36e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.2302649</td> <td>3.16e-03</td> <td>-0.3439989</td> <td>6.70e-02</td> <td>0.0734631</td> <td>7.80e-01</td> <td>0.4296246</td> <td>2.56e-02</td> <td>0.3997474</td> <td>7.70e-01</td> <td>0.0099923</td> <td>8.86e-01</td> <td>0.025514</td> <td>8.36e-01</td> </td>	YES <td>-0.2302649</td> <td>3.16e-03</td> <td>-0.3439989</td> <td>6.70e-02</td> <td>0.0734631</td> <td>7.80e-01</td> <td>0.4296246</td> <td>2.56e-02</td> <td>0.3997474</td> <td>7.70e-01</td> <td>0.0099923</td> <td>8.86e-01</td> <td>0.025514</td> <td>8.36e-01</td>	-0.2302649	3.16e-03	-0.3439989	6.70e-02	0.0734631	7.80e-01	0.4296246	2.56e-02	0.3997474	7.70e-01	0.0099923	8.86e-01	0.025514	8.36e-01
ENSG0000017885	16	5437035	5437478	AC01853.3	ensembl <td>havana</td> <td>antisense_intronic <td>YES <td>-0.286451</td> <td>1.90e-01</td> <td>-0.320027</td> <td>1.50e-01</td> <td>0.0396688</td> <td>8.55e-01</td> <td>0.4295479</td> <td>2.56e-02</td> <td>0.3481215</td> <td>1.57e-01</td> <td>0.174017</td> <td>2.70e-01</td> <td>-0.090997</td> <td>5.70e-01</td> </td></td>	havana	antisense_intronic <td>YES <td>-0.286451</td> <td>1.90e-01</td> <td>-0.320027</td> <td>1.50e-01</td> <td>0.0396688</td> <td>8.55e-01</td> <td>0.4295479</td> <td>2.56e-02</td> <td>0.3481215</td> <td>1.57e-01</td> <td>0.174017</td> <td>2.70e-01</td> <td>-0.090997</td> <td>5.70e-01</td> </td>	YES <td>-0.286451</td> <td>1.90e-01</td> <td>-0.320027</td> <td>1.50e-01</td> <td>0.0396688</td> <td>8.55e-01</td> <td>0.4295479</td> <td>2.56e-02</td> <td>0.3481215</td> <td>1.57e-01</td> <td>0.174017</td> <td>2.70e-01</td> <td>-0.090997</td> <td>5.70e-01</td>	-0.286451	1.90e-01	-0.320027	1.50e-01	0.0396688	8.55e-01	0.4295479	2.56e-02	0.3481215	1.57e-01	0.174017	2.70e-01	-0.090997	5.70e-01
ENSG0000010873	5	4451390	4466311	AC01879.2	ensembl <td>havana</td> <td>incRNA</td> <td>YES <td>-0.1862979</td> <td>1.01e-01</td> <td>-0.1024623</td> <td>0.97e-01</td> <td>0.0867893</td> <td>6.67e-01</td> <td>0.4300572</td> <td>2.52e-02</td> <td>0.3166648</td> <td>1.99e-02</td> <td>0.093187</td> <td>6.72e-01</td> <td>0.0054474</td> <td>7.90e-01</td> </td>	havana	incRNA	YES <td>-0.1862979</td> <td>1.01e-01</td> <td>-0.1024623</td> <td>0.97e-01</td> <td>0.0867893</td> <td>6.67e-01</td> <td>0.4300572</td> <td>2.52e-02</td> <td>0.3166648</td> <td>1.99e-02</td> <td>0.093187</td> <td>6.72e-01</td> <td>0.0054474</td> <td>7.90e-01</td>	-0.1862979	1.01e-01	-0.1024623	0.97e-01	0.0867893	6.67e-01	0.4300572	2.52e-02	0.3166648	1.99e-02	0.093187	6.72e-01	0.0054474	7.90e-01
ENSG0000014397	17	7657754	7656348	SNHG16	ensembl <td>havana</td> <td>antisense_intronic <td>YES <td>-0.2806972</td> <td>1.04e-02</td> <td>-0.4069277</td> <td>3.86e-02</td> <td>0.0278437</td> <td>8.91e-01</td> <td>0.4300702</td> <td>2.52e-02</td> <td>0.2900979</td> <td>3.39e-02</td> <td>0.0469675</td> <td>8.29e-01</td> <td>0.0288837</td> <td>8.45e-01</td> </td></td>	havana	antisense_intronic <td>YES <td>-0.2806972</td> <td>1.04e-02</td> <td>-0.4069277</td> <td>3.86e-02</td> <td>0.0278437</td> <td>8.91e-01</td> <td>0.4300702</td> <td>2.52e-02</td> <td>0.2900979</td> <td>3.39e-02</td> <td>0.0469675</td> <td>8.29e-01</td> <td>0.0288837</td> <td>8.45e-01</td> </td>	YES <td>-0.2806972</td> <td>1.04e-02</td> <td>-0.4069277</td> <td>3.86e-02</td> <td>0.0278437</td> <td>8.91e-01</td> <td>0.4300702</td> <td>2.52e-02</td> <td>0.2900979</td> <td>3.39e-02</td> <td>0.0469675</td> <td>8.29e-01</td> <td>0.0288837</td> <td>8.45e-01</td>	-0.2806972	1.04e-02	-0.4069277	3.86e-02	0.0278437	8.91e-01	0.4300702	2.52e-02	0.2900979	3.39e-02	0.0469675	8.29e-01	0.0288837	8.45e-01
ENSG0000010379	1	14318355	14319047	DEAF1	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.3564821</td> <td>0.00121</td> <td>-0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> </td></td>	havana	protein_coding <td>YES <td>-0.3564821</td> <td>0.00121</td> <td>-0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> </td>	YES <td>-0.3564821</td> <td>0.00121</td> <td>-0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td> <td>0.3564821</td> <td>0.00121</td>	-0.3564821	0.00121	-0.3564821	0.00121	0.3564821	0.00121	0.3564821	0.00121	0.3564821	0.00121	0.3564821	0.00121	0.3564821	0.00121
ENSG0000014871	11	7167385	7181828	ALG1L9P	ensembl <td>havana</td> <td>incRNA</td> <td>YES <td>-0.1894001</td> <td>2.52e-03</td> <td>-0.2099906</td> <td>4.01e-03</td> <td>0.1153736</td> <td>5.67e-01</td> <td>0.4301244</td> <td>2.51e-02</td> <td>0.4613667</td> <td>4.97e-01</td> <td>0.376104</td> <td>5.86e-01</td> <td>-0.1837964</td> <td>3.64e-01</td> </td>	havana	incRNA	YES <td>-0.1894001</td> <td>2.52e-03</td> <td>-0.2099906</td> <td>4.01e-03</td> <td>0.1153736</td> <td>5.67e-01</td> <td>0.4301244</td> <td>2.51e-02</td> <td>0.4613667</td> <td>4.97e-01</td> <td>0.376104</td> <td>5.86e-01</td> <td>-0.1837964</td> <td>3.64e-01</td>	-0.1894001	2.52e-03	-0.2099906	4.01e-03	0.1153736	5.67e-01	0.4301244	2.51e-02	0.4613667	4.97e-01	0.376104	5.86e-01	-0.1837964	3.64e-01
ENSG0000014306	17	6159021	6159129	NAG2	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.1884023</td> <td>1.01e-01</td> <td>-0.1744277</td> <td>1.51e-02</td> <td>0.2263430</td> <td>2.56e-02</td> <td>0.4301262</td> <td>2.51e-02</td> <td>0.23885</td> <td>8.19e-02</td> <td>0.1562026</td> <td>8.60e-01</td> <td>-0.1187075</td> <td>1.02e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.1884023</td> <td>1.01e-01</td> <td>-0.1744277</td> <td>1.51e-02</td> <td>0.2263430</td> <td>2.56e-02</td> <td>0.4301262</td> <td>2.51e-02</td> <td>0.23885</td> <td>8.19e-02</td> <td>0.1562026</td> <td>8.60e-01</td> <td>-0.1187075</td> <td>1.02e-01</td> </td>	YES <td>-0.1884023</td> <td>1.01e-01</td> <td>-0.1744277</td> <td>1.51e-02</td> <td>0.2263430</td> <td>2.56e-02</td> <td>0.4301262</td> <td>2.51e-02</td> <td>0.23885</td> <td>8.19e-02</td> <td>0.1562026</td> <td>8.60e-01</td> <td>-0.1187075</td> <td>1.02e-01</td>	-0.1884023	1.01e-01	-0.1744277	1.51e-02	0.2263430	2.56e-02	0.4301262	2.51e-02	0.23885	8.19e-02	0.1562026	8.60e-01	-0.1187075	1.02e-01
ENSG0000012390	22	892462	8944423	MYO7C	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.3050213</td> <td>1.10e-02</td> <td>-0.210011</td> <td>2.60e-02</td> <td>0.0402611</td> <td>3.21e-01</td> <td>0.4301428</td> <td>2.51e-02</td> <td>0.4359973</td> <td>1.74e-01</td> <td>0.072917</td> <td>8.11e-01</td> <td>0.011291</td> <td>1.74e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.3050213</td> <td>1.10e-02</td> <td>-0.210011</td> <td>2.60e-02</td> <td>0.0402611</td> <td>3.21e-01</td> <td>0.4301428</td> <td>2.51e-02</td> <td>0.4359973</td> <td>1.74e-01</td> <td>0.072917</td> <td>8.11e-01</td> <td>0.011291</td> <td>1.74e-01</td> </td>	YES <td>-0.3050213</td> <td>1.10e-02</td> <td>-0.210011</td> <td>2.60e-02</td> <td>0.0402611</td> <td>3.21e-01</td> <td>0.4301428</td> <td>2.51e-02</td> <td>0.4359973</td> <td>1.74e-01</td> <td>0.072917</td> <td>8.11e-01</td> <td>0.011291</td> <td>1.74e-01</td>	-0.3050213	1.10e-02	-0.210011	2.60e-02	0.0402611	3.21e-01	0.4301428	2.51e-02	0.4359973	1.74e-01	0.072917	8.11e-01	0.011291	1.74e-01
ENSG0000010396	17	5571704	5527363	AC01876.2	ensembl <td>havana</td> <td>incRNA</td> <td>YES <td>-0.2158854</td> <td>5.91e-02</td> <td>-0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> </td>	havana	incRNA	YES <td>-0.2158854</td> <td>5.91e-02</td> <td>-0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td> <td>0.2158854</td> <td>5.91e-02</td>	-0.2158854	5.91e-02	-0.2158854	5.91e-02	0.2158854	5.91e-02	0.2158854	5.91e-02	0.2158854	5.91e-02	0.2158854	5.91e-02	0.2158854	5.91e-02
ENSG0000013395	5	1454840	1232962	UCP4T1	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2290972</td> <td>4.51e-02</td> <td>-0.2865103</td> <td>4.37e-02</td> <td>0.2594352</td> <td>1.91e-01</td> <td>0.4302074</td> <td>2.51e-02</td> <td>0.2784147</td> <td>4.15e-02</td> <td>0.1388779</td> <td>7.07e-01</td> <td>-0.08244</td> <td>5.66e-01</td> </td></td>	havana	protein_coding <td>YES <td>-0.2290972</td> <td>4.51e-02</td> <td>-0.2865103</td> <td>4.37e-02</td> <td>0.2594352</td> <td>1.91e-01</td> <td>0.4302074</td> <td>2.51e-02</td> <td>0.2784147</td> <td>4.15e-02</td> <td>0.1388779</td> <td>7.07e-01</td> <td>-0.08244</td> <td>5.66e-01</td> </td>	YES <td>-0.2290972</td> <td>4.51e-02</td> <td>-0.2865103</td> <td>4.37e-02</td> <td>0.2594352</td> <td>1.91e-01</td> <td>0.4302074</td> <td>2.51e-02</td> <td>0.2784147</td> <td>4.15e-02</td> <td>0.1388779</td> <td>7.07e-01</td> <td>-0.08244</td> <td>5.66e-01</td>	-0.2290972	4.51e-02	-0.2865103	4.37e-02	0.2594352	1.91e-01	0.4302074	2.51e-02	0.2784147	4.15e-02	0.1388779	7.07e-01	-0.08244	5.66e-01
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td></td>	havana	protein_coding <td>YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> </td>	YES <td>-0.2459268</td> <td>3.17e-03</td> <td>-0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td> <td>0.2459268</td> <td>3.17e-03</td>	-0.2459268	3.17e-03	-0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03	0.2459268	3.17e-03
ENSG0000010278	17	213748	218106	SLC6A7	ensembl <td>havana</td> <td>protein_coding <td>YES <td>-0.24</td></td></td>	havana	protein_coding <td>YES <td>-0.24</td></td>	YES <td>-0.24</td>	-0.24													

Table with columns for gene ID, coordinates, gene name, protein name, and various numerical values. The table lists numerous genes such as AC118960.1, AC118961.1, AC118962.1, etc., along with their genomic coordinates and associated protein names like AC118960.1, AC118961.1, AC118962.1, etc.

Table with columns for gene ID, coordinates, gene name, transcript, and various numerical values. The table lists numerous genes such as ENSG00000105732, ENSG00000104027, ENSG00000104344, etc., with their respective genomic coordinates and associated data points.

ENSG0000017788	5	4300673	4300743	AC00875.1	havana	lncRNA	-0.297345	8.63e-03	-0.251198	7.85e-02	0.268588	1.76e-01	-0.502621	7.54e-03	-0.448287	6.75e-04	0.0838148	7.04e-01	-0.102168	4.75e-01
ENSG0000017990	12	6355913	6356939	DPY27L2	transcript_unapp	mRNA	-0.350341	1.79e-02	-0.314581	1.87e-02	0.261770	1.78e-01	-0.502811	7.52e-03	-0.460185	8.61e-04	0.066273	7.64e-01	-0.176611	2.20e-01
ENSG0000018341	1	2361056	2361130	PKP4-IT2	transcript_unapp	lncRNA	-0.281176	2.34e-02	-0.263895	2.91e-02	0.249651	4.27e-01	-0.514344	7.48e-03	-0.460226	7.64e-04	0.0242626	7.66e-01	-0.241338	9.20e-01
ENSG0000018787	17	6923263	6923502	PROXIMA1	transcript_unapp	mRNA	-0.290607	8.72e-03	-0.405764	6.40e-02	0.195485	3.30e-01	-0.503610	7.40e-03	-0.330993	3.47e-03	0.104588	6.55e-01	0.0441310	7.60e-01
ENSG0000018284	1	484242	484242	TRAF4-IT2-AS1	transcript_unapp	lncRNA	-0.282424	2.34e-02	-0.263895	2.91e-02	0.249651	4.27e-01	-0.514344	7.48e-03	-0.460226	7.64e-04	0.0242626	7.66e-01	-0.241338	9.20e-01
ENSG0000018041	7	1303467	1303520	AC00803.1	havana	processed_pseudo	-0.296906	6.75e-04	-0.250477	1.55e-03	0.540989	3.14e-01	-0.504989	3.34e-03	-0.445549	6.95e-04	0.0970708	6.95e-01	0.0124271	7.30e-01
ENSG0000018390	1	5403391	5403479	AL445685.1	havana	lncRNA	-0.330385	3.33e-03	-0.307979	3.86e-03	0.2094637	8.84e-01	-0.504285	7.32e-03	-0.460294	4.60e-04	0.1189994	5.89e-01	-0.066998	6.94e-01
ENSG0000014028	7	961338	961335	AC00803.1	havana	processed_pseudo	-0.282424	2.34e-02	-0.263895	2.91e-02	0.249651	4.27e-01	-0.514344	7.48e-03	-0.460226	7.64e-04	0.0242626	7.66e-01	-0.241338	9.20e-01
ENSG0000018114	24	2238150	2238148	TRAF9-IT2	transcript_unapp	lncRNA	-0.282324	2.07e-02	-0.253925	1.56e-02	0.1795241	3.70e-01	-0.504989	3.70e-03	-0.332521	4.95e-03	0.1189994	7.77e-01	0.0441310	7.40e-01
ENSG0000017802	15	7488005	7488021	MMP1	transcript_unapp	mRNA	-0.346705	1.11e-03	-0.346720	9.07e-04	0.1576802	4.32e-01	-0.505426	7.20e-03	-0.460294	3.51e-04	0.0974719	6.67e-01	-0.057928	6.88e-01
ENSG0000010211	1	12547476	12547553	AC02702.2	havana	processed_pseudo	-0.212413	4.56e-03	-0.239276	6.50e-03	0.2024238	9.16e-01	-0.508725	6.70e-03	-0.375261	3.20e-03	0.21093	3.36e-01	-0.17367	3.16e-01
ENSG0000018939	1	695929	695925	SLC5E2B	transcript_unapp	mRNA	-0.282424	1.01e-04	-0.442244	1.50e-03	0.2207603	2.88e-01	-0.506474	7.05e-03	-0.460294	5.80e-04	0.0403745	6.55e-01	-0.130129	6.88e-01
ENSG0000018792	22	2373862	2373112	ZNF70	transcript_unapp	mRNA	-0.315108	1.02e-03	-0.343660	1.47e-02	0.1024059	9.16e-01	-0.506473	7.02e-03	-0.420251	3.51e-04	0.1466661	6.04e-01	0.0388023	8.22e-01
ENSG0000011748	1	2789124	2791476	RAB19	transcript_unapp	mRNA	-0.146252	2.04e-01	-0.349564	9.18e-02	0.2029991	9.06e-01	-0.506749	6.97e-03	-0.420251	4.47e-01	0.1602687	6.28e-01	-0.0235027	7.90e-01
ENSG0000014393	1	4402947	4402932	PKAOT	transcript_unapp	mRNA	-0.282424	2.01e-02	-0.242606	1.89e-02	0.2009360	9.61e-01	-0.507071	6.95e-03	-0.348099	3.14e-03	0.044317	4.08e-01	-0.0927291	5.47e-01
ENSG0000018998	14	6494814	6497226	RAB15	transcript_unapp	mRNA	-0.252623	3.84e-03	-0.305913	5.75e-03	0.1072118	7.77e-01	-0.507070	6.85e-03	-0.384615	4.08e-03	0.0852805	6.95e-01	-0.070229	6.28e-01
ENSG0000013250	8	9059841	9098218	CBFBP8	transcript_unapp	mRNA	-0.113489	8.80e-03	-0.154451	1.72e-02	0.1229252	5.41e-01	-0.507055	6.88e-03	-0.420251	3.54e-04	0.1137572	6.56e-01	0.05994117	5.08e-01
ENSG0000013471	19	1178800	1178800	FCBP2	transcript_unapp	mRNA	-0.297717	8.40e-03	-0.345451	3.79e-03	0.1483441	1.65e-01	-0.5070221	7.08e-03	-0.4184264	3.10e-03	0.139813	7.72e-01	-0.130761	3.65e-01
ENSG0000013184	2	9601055	9602380	FHAI2CP	transcript_unapp	lncRNA	-0.297717	8.40e-03	-0.345451	3.79e-03	0.1483441	1.65e-01	-0.5070221	7.08e-03	-0.4184264	3.10e-03	0.139813	7.72e-01	-0.130761	3.65e-01
ENSG0000013272	5	15731430	15731449	THG1L	transcript_unapp	mRNA	-0.1403473	1.57e-01	-0.276889	1.80e-02	0.2707815	1.72e-01	-0.5081418	6.81e-03	-0.1723643	2.12e-01	0.043192	8.77e-01	-0.120921	3.66e-01
ENSG0000010245	1	1462736	14609137	HNR1B	transcript_unapp	mRNA	-0.212413	4.56e-03	-0.239276	6.50e-03	0.2024238	9.16e-01	-0.508725	6.70e-03	-0.375261	3.20e-03	0.21093	3.36e-01	-0.17367	3.16e-01
ENSG0000018156	20	328383	3293900	AL13334.1	havana	lncRNA	-0.269972	1.78e-02	-0.282225	3.54e-02	0.0796904	6.93e-01	-0.508901	6.70e-03	-0.3637669	8.85e-04	0.1287133	5.58e-01	-0.040027	7.62e-01
ENSG0000014309	11	12595736	12606335	CDON	transcript_unapp	mRNA	-0.337207	2.70e-03	-0.316273	6.06e-02	0.1662359	4.07e-01	-0.509081	6.69e-03	-0.502739	1.06e-04	0.1666663	9.40e-01	-0.105314	4.00e-01
ENSG0000017274	1	11142409	11127484	CAPN9	transcript_unapp	mRNA	-0.252623	3.84e-03	-0.275943	5.18e-02	0.2469939	2.85e-01	-0.509114	6.68e-03	-0.668423	3.78e-03	0.144465	5.40e-01	-0.075280	1.79e-01
ENSG0000018314	21	1384318	1384864	CPYB-2P9	transcript_unapp	lncRNA	-0.282424	1.01e-04	-0.442244	1.50e-03	0.2207603	2.88e-01	-0.506474	7.05e-03	-0.460294	5.80e-04	0.0403745	6.55e-01	-0.130129	6.88e-01
ENSG0000018908	12	6852986	6853882	RPS12P1	transcript_unapp	processed_pseudo	-0.350214	1.52e-03	-0.344843	1.52e-03	0.2728441	1.68e-01	-0.510511	6.57e-03	-0.442229	6.10e-04	0.157222	4.92e-01	-0.192481	2.16e-01
ENSG0000018943	1	583394	5806824	FAM7D	transcript_unapp	mRNA	-0.280834	8.75e-03	-0.242934	9.56e-02	0.245933	2.17e-01	-0.510057	6.57e-03	-0.488407	6.69e-04	0.0888856	6.94e-01	-0.126649	2.20e-01
ENSG0000018778	1	1444304	14270399	SLC47A8	transcript_unapp	mRNA	-0.302651	1.34e-02	-0.340011	1.54e-02	0.1341203	6.91e-01	-0.510426	6.90e-03	-0.404226	3.06e-03	0.0542430	6.94e-01	-0.14222	3.16e-01
ENSG0000010004	17	7884796	7817260	CHD3	transcript_unapp	mRNA	-0.347455	1.23e-03	-0.381311	2.26e-02	0.1517448	6.41e-01	-0.513960	6.08e-03	-0.507740	5.84e-04	0.170549	7.54e-01	-0.105201	3.46e-01
ENSG0000016128	12	12672987	12672259	LINC00944	transcript_unapp	lncRNA	-0.272391	1.65e-02	-0.387206	5.47e-02	0.170139	3.77e-01	-0.5117306	6.86e-03	-0.303943	3.55e-03	0.1078423	6.24e-01	-0.048301	8.10e-01
ENSG0000019564	1	4206243	4234269	SLC12A7	transcript_unapp	mRNA	-0.282424	1.01e-04	-0.442244	1.50e-03	0.2207603	2.88e-01	-0.506474	7.05e-03	-0.460294	5.80e-04	0.0403745	6.55e-01	-0.130129	6.88e-01
ENSG0000018052	10	6149383	6149649	AL169592.1	havana	transcript_unapp	-0.253946	4.08e-02	-0.216235	1.04e-01	0.2019800	3.12e-01	-0.513704	6.23e-03	-0.337706	3.25e-03	0.125023	6.33e-01	-0.162374	2.60e-01
ENSG0000017959	17	7124848	7124252	CP5A4	transcript_unapp	mRNA	-0.278775	3.41e-02	-0.243805	6.35e-02	0.2049289	8.81e-01	-0.513179	6.19e-03	-0.418464	3.87e-03	0.191399	9.31e-01	-0.051780	8.27e-01
ENSG0000014311	1	1078719	1078719	SLC12A7	transcript_unapp	mRNA	-0.282424	1.01e-04	-0.442244	1.50e-03	0.2207603	2.88e-01	-0.506474	7.05e-03	-0.460294	5.80e-04	0.0403745	6.55e-01	-0.130129	6.88e-01
ENSG0000017920	14	7831130	7841419	GVY03	transcript_unapp	mRNA	-0.390487	4.81e-02	-0.312706	9.59e-02	0.483074	1.07e-01	-0.514145	6.08e-03	-0.600779	3.23e-03	0.1304014	3.36e-01	-0.318905	7.27e-01
ENSG0000018000	19	4002366	4005631	ZNF708	transcript_unapp	mRNA	-0.290409	4.01e-02	-0.318338	2.07e-02	0.1046527	9.42e-01	-0.514743	6.01e-03	-0.405467	2.83e-03	0.1269626	6.97e-01	-0.105033	3.47e-01
ENSG0000018286	1	1325129	1323865	ANKK1	transcript_unapp	mRNA	-0.461931	2.32e-02	-0.492907	2.81e-02	0.228813	2.28e-01	-0.514845	6.08e-03	-0.524792	4.83e-03	0.035217	2.97e-01	-0.287193	4.73e-01
ENSG0000019571	1	1432849	1432849	TKX	transcript_unapp	mRNA	-0.272807	1.72e-02	-0.272807	1.72e-02	0.1426787	1.62e-01	-0.514845	6.08e-03	-0.385638	3.68e-03	0.0561679	6.94e-01	-0.14222	2.61e-01
ENSG0000018307	11	618930	617048	OR52B2	transcript_unapp	mRNA	-0.237670	4.08e-02	-0.276768	7.38e-02	0.1055094	7.82e-01	-0.515044	5.98e-03	-0.310168	2.32e-03	0.1466414	5.04e-01	-0.09203	9.48e-01
ENSG0000017846	15	9949712	9949875	AC02560.4	transcript_unapp	lncRNA	-0.273472	3.83e-02	-0.276737	4.65e-02	0.1639711	4.15e-01	-0.515022	5.97e-03	-0.324425	3.67e-03	0.1487834	4.44e-01	-0.119307	3.98e-01
ENSG0000018807	1	1264432	1264432	FRAX	transcript_unapp	lncRNA	-0.264041	1.57e-02	-0.264041	1.57e-02	0.1426787	1.62e-01	-0.514845	6.08e-03	-0.385638	3.68e-03	0.0561679	6.94e-01	-0.14222	2.61e-01
ENSG0000014738	8	4152918	4145400	GINS4	transcript_unapp	mRNA	-0.3287	1.51e-02	-0.245605	8.55e-02	0.15178	3.51e-01	-0.51578	5.86e-03	-0.515784	3.96e-03	0.009176	6.76e-01	-0.100254	8.46e-01
ENSG0000014346	2	20084240	20084561	BCL2L1	transcript_unapp	mRNA	-0.299963	7.37e-01	-0.110406	1.84e-01	0.3806379	6.89e-01	-0.5198083	5.87e-03	-0.3389735	6.68e-04	0.0799713	6.5		

Supplemental Table 14. LncRNAs correlated with RSAD2 expression in SJD whole blood RNA-seq analyses

ENS_ID	38.5 gene symbol	Gene Name	DE SJD ^{All}	DE SJD ^{Ro+}	DE SJD ^{Ro-}	Correlation Dataset						Gene-Neighbor	Gene-Neighbor ENS_ID	SJDro+ vs HC Log2FC (p _{adj})
						SJD Ro+ Only		SJD Ro+ and HC		HC				
						Pearson-R	p value	Pearson-R	p value	Pearson-R	p value			
ENSG00000225964	NRIR	NRIR	YES	YES		0.81	0.000000343	0.86	1.89E-16	0.92	9.36E-12	CMPK2	ENSG00000134326	2.10 (6.26E-08)
ENSG00000272666	KLHDC7B-DT	KLHDC7B-DT		YES		0.77	2.69E-06	0.79	8.37E-13	0.75	7.95E-06	KLHDC7B	ENSG00000130487	ND
ENSG00000234426	AL139042.1	AL139042.1				0.76	4.18E-06	0.46	1.26E-05	0.36	6.38E-02	NA		
ENSG00000286313	AL360178.1	PDE7B-AS1				0.72	1.99E-05	0.45	5.68E-04	0.09	6.64E-01	PDE7B	ENSG00000171408	ND
ENSG00000228318	AP001610.2	MX1-AS1	YES	YES		0.72	2.17E-05	0.79	1.56E-12	0.78	1.65E-06	MX1	ENSG00000157601	1.89 (2.50E-07)
ENSG00000282851	BISPR	BISPR				0.71	2.79E-05	0.78	5.18E-12	0.80	5.29E-07	MVB12A	ENSG00000141971	ND
ENSG00000222041	CYTOR	CYTOR				0.71	3.99E-05	0.64	0.00000197	0.04	8.43E-01	LINC01943	ENSG00000280721	ND
ENSG00000273272	U62317.3	U62317.3	YES	YES		0.69	5.14E-05	0.78	3.81E-12	0.69	7.57E-05	KLHDC7B	ENSG00000130487	ND
ENSG00000257452	AC004551.1	OAS123-AS1	YES	YES		0.68	8.92E-05	0.74	2.11E-10	0.45	1.81E-02	OAS1	ENSG00000089127	2.04 (2.40E-10)
												OAS2	ENSG00000111335	1.86 (2.31E-10)
												OAS3	ENSG00000111331	2.31 (2.02E-09)
ENSG00000277511	AC116407.2	AC116407.2		YES		0.68	1.05E-04	0.74	2.4E-10	0.67	1.15E-04	NA		
ENSG00000197536	IRF1-AS1	IRF1-AS1				0.69	5.12E-05	0.72	7.4E-10	0.36	6.76E-02	IRF1	ENSG00000125347	ND
ENSG00000277010	AC120498.10	TPSG1-AS1			YES	-0.32	1.06E-01	-0.09	4.96E-01	0.82	0.00000132	TPSG1	ENSG00000116176	ND
ENSG00000224228	AL031599.1	AL031599.1			YES	-0.44	2.26E-02	-0.07	6.38E-01	0.75	0.00000636	NA		
ENSG00000243832	LINC02000	LINC02000	YES	YES		0.11	6.00E-01	-0.03	8.32E-01	0.74	0.00000874	NA		
ENSG00000274422	AC245060.5	AC245060.5	YES	YES	YES	-0.04	8.40E-01	0.31	2.13E-02	0.74	0.00000939	NA		
ENSG00000267481	AC011477.1	AC011477.1				-0.65	2.18E-04	-0.57	6.29E-06	-0.22	2.65E-01	ZNF506	ENSG00000081665	ND
ENSG00000266916	ZNF793-AS1	ZNF793-AS1	YES		YES	-0.62	5.03E-04	-0.36	7.48E-03	-0.07	7.32E-01	ZNF793	ENSG00000188227	ND
ENSG00000197989	SNHG12	SNHG12				-0.62	5.07E-04	-0.42	1.44E-03	-0.12	5.62E-01	TRNAU1AP	ENSG00000180098	ND
ENSG00000231113	AL035587.1	AL035587.1				-0.60	8.66E-04	-0.47	3.75E-04	-0.30	1.27E-01	CNPY3	ENSG00000137161	ND
ENSG00000223754	AC008073.1	AC008073.1				-0.60	9.35E-04	-0.37	5.45E-03	-0.16	4.38E-01	FAM228	ENSG00000186453	ND
ENSG00000228794	LINC01128	LINC01128				-0.59	1.04E-03	-0.61	0.00000123	-0.29	1.39E-01	SOCS5	ENSG00000171150	ND

*ND transcript not differentially expressed

Pearson-R values shown in bold are >0.65 or <-0.55; Bold and red/blue are ≥0.7 or ≤-0.6, respectively.

Supplemental Table 15. Gene Folds bioinformatic analysis of LINC01871 function

Order	Ensembl Gene ID	Gene Symbol	Mutual Rank	Pearson Correlation	Biotype	Chromosome	Chromosome Start	Chromosome End	Annotation
1	ENSG00000235576	CCMA	4.2	0.69	protein_coding	5	5438478	5440360	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)
2	ENSG00000145449	CD2	12.2	0.63	protein_coding	1	11729707	11731190	CD2 molecule
3	ENSG00000145445	KLRC1	5.7	0.62	protein_coding	12	10594863	10607284	killer cell lectin-like receptor subfamily C, member 1
4	ENSG00000145446	GPR171	36.8	0.62	protein_coding	3	150915619	15092698	G-protein-coupled receptor 171
5	ENSG00000233355	PTF1N1	29.8	0.61	processed_transcript	1	238893164	23890376	ubiquitin-associated serine esterase RNA 2
22	ENSG00000115263	ITK	63.3	0.61	protein_coding	5	15658984	15668201	IL2-inducible T-cell kinase
23	ENSG00000183554	UBASH3A	54.9	0.6	protein_coding	1	15891466	15894644	tyrosine and HNK domain family, member 1
18	ENSG00000134539	KLRD1	53.1	0.58	protein_coding	21	43842008	43847791	ubiquitin-associated serine esterase containing A
24	ENSG00000196320	GIAP5	69.5	0.58	protein_coding	7	150419341	15044712	killer cell lectin-like receptor subfamily D, member 1
13	ENSG00000211795	TR V gene	41.1	0.58	TR V gene	14	22329329	22329327	T cell receptor alpha variable 4delta variable 4
13	ENSG00000180844	PRF1	34.5	0.57	protein_coding	10	7237104	7238231	perforin (pore forming protein)
23	ENSG00000212023	GIAP4	68.8	0.57	protein_coding	7	150413645	15042132	GIAPase, IMAP family member 1
38	ENSG00000205495	SLFN1L	113.9	0.57	protein_coding	17	33711298	33814890	schlafen family member 12-like
22	ENSG00000144626	SCML4	126.6	0.57	protein_coding	6	106025308	106145521	sex comb on midleg-like 4 (Drosophila)
61	ENSG00000233093	LINC00882	189	0.56	processed_transcript	X	135721702	135724588	long intergenic non-protein coding RNA 892
5	ENSG00000115337	ITFC	11	0.56	protein_coding	12	8044548	8053327	interferon, gamma 2
16	ENSG00000100450	GZMH	25.9	0.56	processed_transcript	14	25075686	25078905	granzyme H (cathepsin G-like 2, protein h-CCPI)
16	ENSG00000183813	CCR4	43.3	0.56	protein_coding	3	32993056	32997441	chemokine (C-C motif) receptor 4
30	ENSG00000198821	CD247	201.8	0.56	protein_coding	1	182789877	182798447	CD247 molecule
33	ENSG00000213809	KLRK1	101.7	0.56	protein_coding	12	10524852	10544473	killer cell lectin-like receptor subfamily K, member 1
35	ENSG00000117560	FASLG	107.5	0.56	protein_coding	1	172628154	17263614	Fas ligand (TNF superfamily, member 6)
39	ENSG00000184483	SAMD3	119.8	0.56	protein_coding	8	93045460	93066370	ecce1 alpha motif domain containing 3
40	ENSG00000211778	TR V gene	89	0.56	TR V gene	14	22217462	22217489	T cell receptor alpha variable 5
37	ENSG00000211797	TR V gene	110.8	0.56	TR V gene	14	22465778	22466407	T cell receptor alpha variable 17
49	ENSG00000208789	TR V gene	145.3	0.56	TR V gene	14	2238363	2238361	T cell receptor alpha variable 13-2
26	ENSG00000103036	FCRL6	78.2	0.55	protein_coding	1	159770301	159780041	Fc receptor-like 6
31	ENSG00000188229	PTGDR	93	0.55	protein_coding	14	52734431	52743449	prostaglandin D2 receptor (DP1)
53	ENSG00000202723	PRKCH	149.8	0.55	protein_coding	7	6161846	6201384	protein kinase, cilia
60	ENSG00000168865	IL7R	150.4	0.55	protein_coding	5	35852797	35870793	interleukin 7 receptor
62	ENSG00000172673	THEM5	159.3	0.55	protein_coding	6	128029177	12823976	thymocyte selection associated
47	ENSG00000211791	TR V gene	123.8	0.55	TR V gene	14	2238363	2238361	T cell receptor alpha variable 13-2
58	ENSG00000211699	TR V gene	149.3	0.55	TR V gene	7	38398113	38398763	T cell receptor gamma variable 3
63	ENSG00000204584	LINC00861	178.1	0.54	lincRNA	8	126934552	126934933	long intergenic non-protein coding RNA 861
13	ENSG00000183690	CD3E	30.3	0.54	protein_coding	2	20481471	20482400	inducible T-cell costimulatory protein
14	ENSG00000150455	KLRP1	37	0.54	protein_coding	12	9987007	9997006	killer cell lectin-like receptor subfamily F, member 1
32	ENSG00000137258	CD3E	83.1	0.54	protein_coding	11	60739115	60739749	CD3E molecule
30	ENSG00000181625	CD3E	83.1	0.54	protein_coding	11	1823808	1823808	CD3E molecule (CD3-TCR complex)
50	ENSG00000183542	KLRC4	147.9	0.54	protein_coding	12	10599893	10599236	killer cell lectin-like receptor subfamily C, member 4
54	ENSG00000178144	GIAP7	150.4	0.54	protein_coding	7	150211918	150218101	GIAPase, IMAP family member 7
64	ENSG00000185519	TRAF1	189	0.54	protein_coding	2	10861545	10862352	T cell receptor associated transmembrane adaptor 1
71	ENSG00000205491	KLRK2	105	0.54	protein_coding	12	1053445	1053445	killer cell lectin-like receptor subfamily K, member 2
70	ENSG00000090790	TRAF3IP3	210.2	0.54	protein_coding	1	209529377	209556568	TRAF3 interacting protein 3
67	ENSG00000145466	GZMK	227	0.54	protein_coding	4	460410	4613673	IL2 tyrosine kinase
63	ENSG00000110368	GZMK	226.8	0.53	protein_coding	5	54330031	54330819	granzyme K (granzyme 3, tyrosine II)
29	ENSG00000139187	KLRG1	91.8	0.53	protein_coding	12	9102840	9103356	killer cell lectin-like receptor subfamily G, member 1
62	ENSG00000211800	TR V gene	178.3	0.53	TR V gene	14	2255450	22559399	T cell receptor alpha variable 20
66	ENSG00000204978	TR V gene	184.6	0.53	TR V gene	7	38374642	38375115	T cell receptor gamma variable 7 (pseudogene)
67	ENSG00000231858	TR V gene	158.2	0.53	TR V gene	7	38374642	38375115	T cell receptor gamma variable 7 (pseudogene)
75	ENSG00000208704	CD3E	211.3	0.53	protein_coding	11	60866867	60866324	CD3E molecule
81	ENSG00000208934	CD3E	214.6	0.53	protein_coding	11	1823808	1823808	CD3E molecule (CD3-TCR complex)
101	ENSG00000233387	CD3E	295.3	0.53	protein_coding	11	60866867	60866324	CD3E molecule
34	ENSG00000110446	CD5	105.4	0.52	protein_coding	11	60866867	60866324	CD5 molecule
43	ENSG00000205875	CD5	251.6	0.52	protein_coding	11	60866867	60866324	HCG181135, L14 characterized protein
40	ENSG00000211787	TR V gene	123.6	0.52	TR V gene	14	22320736	22321183	T cell receptor alpha variable 8-3
146	ENSG00000211815	TR V gene	432.4	0.52	TR V gene	14	22684841	22685149	T cell receptor alpha variable 3delta variable 8
96	ENSG00000202548	CD3E	152.7	0.52	protein_coding	11	60866867	60866324	CD3E molecule
122	ENSG00000204867	CD3E	370.6	0.52	protein_coding	2	87042462	87089847	CD3E molecule
25	ENSG00000172116	CD8B	69.8	0.51	protein_coding	2	87042462	87089847	CD8B molecule
13	ENSG00000172122	KCNAL	21.1	0.51	protein_coding	11	111214103	111214103	potassium voltage-gated channel subfamily, member 3
44	ENSG00000211778	TR V gene	127.9	0.51	TR V gene	14	22204334	22205264	T cell receptor alpha variable 4
45	ENSG00000211810	TR V gene	131.9	0.51	TR V gene	14	22611319	22611766	T cell receptor alpha variable 20delta variable 5 (gene/pseudogene)
48	ENSG00000211798	TR V gene	140.4	0.51	TR V gene	14	22320737	22320737	T cell receptor alpha variable 12-2
51	ENSG00000211805	TR V gene	435.8	0.51	TR V gene	14	22573620	22574123	T cell receptor alpha variable 24
51	ENSG00000272908	TR V gene	148.4	0.51	TR V gene	14	22573620	22574123	T cell receptor alpha variable 24
85	ENSG00000204729	PCED1B-AS1	237.4	0.51	processed_transcript	2	47599891	47610239	PCED1B antisense RNA 1
86	ENSG00000257027	PCED1B-AS1	279.6	0.51	processed_transcript	2	47599891	47610239	PCED1B antisense RNA 1
41	ENSG00000151599	CTLA4	29.5	0.5	processed_transcript	2	20471389	20471389	cytotoxic T-lymphocyte-associated protein 4
89	ENSG00000133574	GIAP4	258.4	0.5	protein_coding	7	150284365	150291041	GIAPase, IMAP family member 4
89	ENSG00000197657	DTHAP1	278.1	0.5	protein_coding	4	38283244	38283778	death domain containing 1
121	ENSG00000202550	BTKAP1	382.8	0.5	protein_coding	8	38432485	38434544	butyrophilin subfamily 3, member A1
60	ENSG00000211788	TR V gene	168.7	0.5	TR V gene	14	2237020	2237546	T cell receptor alpha variable 13-1
108	ENSG00000211686	TR V gene	321	0.5	TR V gene	7	38389844	38370536	T cell receptor gamma variable 8
173	ENSG00000211809	TR V gene	494.9	0.5	TR V gene	14	22615949	22616587	T cell receptor alpha variable 27
112	ENSG00000250720	TR V gene	333.2	0.5	TR V gene	14	22615949	22616587	T cell receptor alpha variable 27
115	ENSG00000255887	TR V gene	343.4	0.5	TR V gene	14	22615949	22616587	T cell receptor alpha variable 27
119	ENSG00000225488	TR V gene	381.3	0.5	TR V gene	14	22615949	22616587	T cell receptor alpha variable 27
205	ENSG00000241490	TR V gene	675.8	0.5	TR V gene	14	22615949	22616587	T cell receptor alpha variable 27
21	ENSG00000198574	SH2D1B	58.7	0.49	protein_coding	1	16235056	162381928	SH2 domain containing 1B
80	ENSG00000185560	GIAP7	203.2	0.49	protein_coding	7	150284365	150300729	GIAPase, IMAP family member 7
92	ENSG00000242445	CD3E	255.5	0.49	protein_coding	X	135724588	135742549	CD3E molecule
48	ENSG00000226660	TR V gene	132.7	0.49	TR V gene	7	142000747	142001255	T cell receptor delta variable 2
82	ENSG00000211817	TR V gene	217.9	0.49	TR V gene	14	22748986	22749351	T cell receptor alpha variable 3B-2delta variable 8
126	ENSG00000211802	TR V gene	639.6	0.49	TR V gene	14	22539820	22539811	T cell receptor alpha variable 22-2
247	ENSG00000204838	GVNFP1	379.9	0.49	transcribed_unprocessed_psu_dogene	11	6734670	6734670	GVNFP, very large interferon inducible pseudogene 1
206	ENSG00000206069	AZMP1	582.6	0.49	transcribed_unprocessed_psu_dogene	12	9391129	9428413	alpha-2-macroglobulin pseudogene 1
134	ENSG00000205380	TR V gene	385.7	0.49	TR V gene	14	22615949	22616587	T cell receptor alpha variable 27
143	ENSG00000205330	TR V gene	411.8	0.49	TR V gene	14	22615949	22616587	T cell receptor alpha variable 27
9	ENSG00000100453	GZMB	28.4	0.48	protein_coding	13	74805594	74831413	long intergenic non-protein coding RNA 402
13	ENSG00000111795	KLRH1	48.4	0.48	protein_coding	12	9747147	9749462	granzyme B (granzyme 2, T-lymphocyte-associated serine esterase 1)
118	ENSG00000162119	ANKKAF25	35.9	0.48	protein_coding	2	6986733	6987386	Rho GTPase activating protein 25
120	ENSG00000111801	BTN3A3	364.8	0.48	protein_coding	6	26440700	26453843	butyrophilin subfamily 3, member A3
124	ENSG00000188811	IKZF1	373.2	0.48	protein_coding	7	50343720	50372799	IKAROS family zinc finger 1 (Rar1)
129	ENSG00000111913	FAM86B	369.9	0.48	protein_coding	5	24717621	25042338	family with sequence similarity 65, member B
129	ENSG00000111782	TR V gene	199.3	0.48	TR V gene	14	22268459	22268608	T cell receptor alpha variable 8-1
80	ENSG00000211785	TR V gene	214.4	0.48	TR V gene	14	22339422	22339596	T cell receptor alpha variable 12-1
110	ENSG00000211820	TR V gene	322.9	0.48	TR V gene	14	22778123	22778123	T cell receptor alpha variable 41
127	ENSG00000233306	TR V gene	383	0.48	TR V gene	7	38402465	38403119	T cell receptor gamma variable 2
126	ENSG00000258776	TR V gene	377.8	0.48	TR V gene	7	38402465	38403119	T cell receptor gamma variable 2
189	ENSG00000204603	SLC3A9-AS1	534.2	0.48	antisense	3	143081088	143085913	SLC3A9 antisense RNA 1
114	ENSG00000237943	PRKCQ-AS1	336	0.47	lincRNA	10	6822281	6824814	PRKCQ antisense RNA 1
27	ENSG00000153623	CD8A	88.1	0.47	protein_coding	2	87011728	87035519	CD8A molecule
36	ENSG00000137441	FGBP2	710	0.47	protein_coding	4	15861866	15870932	fibroblast growth factor binding protein 2
84	ENSG00000133561	GIAP6	229.6	0.47	protein_coding	7	150324463	150329473	GIAPase, IMAP family member 6
91	ENSG00000205541	TR V gene	293.8	0.47	TR V gene	12	10568601	10568600	lincRNA
106	ENSG00000197884	NLR3	319.3	0.47	protein_coding	16	3589033	3627401	NLR family, CARD domain containing 3
106	ENSG00000189430	NCRT	320.5	0.47	protein_coding	19	55417508	55427508	natural cytotoxicity triggering receptor 1
156	ENSG00000181233	FTFR6	425.2	0.47	protein_coding	11	189057601	18912659	protein tyrosine phosphatase, receptor type C
156	ENSG00000151883	PAP9B	462.7	0.47	protein_coding	5	60142356	60142356	poly (ADP-ribosyl) polymerase family, member B

236	ENSG00000202628		616.4	0.45	processed_pseudogene	16	57637049	57637609	high mobility group box 3 pseudogene 32
67	ENSG00000202461	KIR3DL2	185.5	0.45	protein_coding	19	5538189	5537862	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail; 2
107	ENSG00000122224	LY9	320.7	0.45	protein_coding	1	16075584	16079051	lymphocyte antigen 9
144	ENSG00000005844	ITGAL	426.9	0.45	protein_coding	16	3043979	3053406	integrin, alpha L (antigen CD11a)(p180), lymphocyte function-associated antigen 1; alpha (polypeptide)
161	ENSG00000171118	GMAP8	468.9	0.45	protein_coding	7	150147718	150176480	GTPase, RAS family member 8
174	ENSG00000160593	AMICA1	498.5	0.45	protein_coding	11	118064455	118095809	adhesion molecule, interacts with CXADR antigen 1
176	ENSG00000116584	BN2	502.9	0.45	protein_coding	12	51614622	51716452	brn3a integrator 2
181	ENSG00000202078	STK6B	530.4	0.45	protein_coding	6	84481669	84515247	serine/threonine kinase 38
191	ENSG00000246223		563.1	0.45	protein_coding	14	98381947	98444411	chromosome 14 open reading frame 84
223	ENSG00000195483	CARD8	565.1	0.45	protein_coding	19	56864027	56879533	cardigan repeat domain family, member 8
223	ENSG00000205413	ANKRD44	615.9	0.45	protein_coding	2	197831741	197837897	ankyrin repeat domain 44
182	ENSG00000252429		469.1	0.45	sRNA	1	28470667	28470728	RNA, U7 small nuclear 29 pseudogene
186	ENSG00000211885		531.9	0.45	TR_V_gene	14	23011142	23011204	T cell receptor alpha joining 4
187	ENSG00000211889		532	0.45	TR_V_gene	14	2295266	2295352	T cell receptor alpha joining 20
326	ENSG00000211760		813.9	0.45	TR_V_gene	14	22236729	22237320	T cell receptor alpha variable 6
478	ENSG00000211812		1037.7	0.45	TR_V_gene	14	22670477	22671262	T cell receptor alpha variable 26-2
190	ENSG00000202538		534.4	0.45					
192	ENSG000002041678		540.2	0.45					
201	ENSG000002025400		560.3	0.45					
204	ENSG000002021028		560.3	0.45					
209	ENSG000002072529		565.5	0.45					
210	ENSG00000203411		568.9	0.45					
235	ENSG00000202896		631.4	0.45					
241	ENSG000002046790		623	0.45					
242	ENSG000002052784		627.4	0.45					
246	ENSG000002028655		636.5	0.45					
255	ENSG00000207125		654.6	0.45					
267	ENSG000002071582		677.2	0.45					
344	ENSG00000202868		841.8	0.45					
562	ENSG000002023059		1214.7	0.45					
574	ENSG000002028784	LINC00964	1204.7	0.44	lincRNA	2	20068621	20068408	long intergenic non-protein coding RNA 954
929	ENSG000002021298	CD3D	290.2	0.44	protein_coding	11	11829249	11829809	CD3D molecule, alpha (CD3/TCR complex)
128	ENSG00000110324	IL10RA	38.4	0.44	protein_coding	11	11787063	11787126	interleukin 10 receptor, alpha
139	ENSG00000186329	CX3CR1	403.9	0.44	protein_coding	3	39334985	39332326	chemokine (C-X3-C motif) receptor 1
186	ENSG00000208173	PIPK2	420.9	0.44	protein_coding	6	25011207	25014384	protein tyrosine phosphatase, non-receptor type 4 (rearranged)
188	ENSG00000150981	ROG1B	532.3	0.44	protein_coding	1	19217587	19214845	regulator of G-protein signaling 18
258	ENSG000002025784	ARRDC5	628	0.44	protein_coding	19	4890449	48902979	arrestin domain containing 5
260	ENSG00000172118	CACRB	659.2	0.44	protein_coding	3	45862428	45869845	chemokine (C-X-C motif) receptor 6
273	ENSG00000111536	L26	120.4	0.44	protein_coding	12	68565131	68601191	interleukin 25
583	ENSG00000201858		480.9	0.44	TR_V_gene	14	22979951	22980007	T cell receptor alpha joining 31
94	ENSG00000202899		610.8	0.44	TR_V_gene	14	14244653	14244671	T cell receptor beta variable 20-1
100	ENSG00000211698		253.8	0.44	TR_V_gene	7	38383316	38394118	T cell receptor gamma variable 4
203	ENSG00000211749		568.4	0.44	TR_V_gene	7	14235468	14235384	T cell receptor beta variable 23-1 (non-functional)
591	ENSG00000211784		1257.7	0.44	TR_V_gene	14	2224936	22249239	T cell receptor alpha variable 10
591	ENSG000002025046		1257.7	0.44					
196	ENSG000002028717		544.7	0.44		5	56152975	56153078	Small nuclear RNA U13
215	ENSG000002028173		573.4	0.44					
230	ENSG000002026484		609.9	0.44					
245	ENSG000002071913		634.8	0.44					
249	ENSG000002049119		640.8	0.44					
264	ENSG000002041291		673.2	0.44					
266	ENSG000002057840		676.5	0.44					
271	ENSG000002071257		691.1	0.44					
276	ENSG000002028038		702.8	0.44					
288	ENSG000002028201		742.9	0.44					
315	ENSG00000201329		792.8	0.44					
462	ENSG000002026517		1019.8	0.44					
667	ENSG00000202898		1324.8	0.44					
724	ENSG000002045396	ANTXR1P1	1414.3	0.44	lincRNA	10	47602511	47644793	antifurax toxin receptor like pseudogene 1
98	ENSG000002041621		290.2	0.44	lincRNA	10	14276209	14276808	killer cell lectin-like receptor beta variable 11-2
340	ENSG0000020286017	MIR447A	837.8	0.43	miRNA	9	68415308	68415388	miR447a
434	ENSG000002043996		978.7	0.43	misc_RNA	4	88308038	88308326	RNA, 75S, cytoplasmic 681, pseudogene
70	ENSG000002025990	KLR2C	180.9	0.43	protein_coding	12	10573653	10584469	killer cell lectin-like receptor subfamily C, member 2
86	ENSG000002033661	TBX21	246.2	0.43	protein_coding	17	45810610	45824385	T-box 21
93	ENSG00000115523	GNLY	269.3	0.43	protein_coding	2	89112298	89125977	granulysin
180	ENSG00000114256	ZNF60	517.7	0.43	TR_V_gene	14	11386222	11386249	zinc finger protein 60
200	ENSG00000206344	HCG27	565.3	0.43	protein_coding	6	31165537	31171745	HLA complex group 27 (non-protein coding)
240	ENSG00000158266	SLA	600.8	0.43	protein_coding	8	134048973	134115298	S-locus adjuvant
244	ENSG00000181163	FAM159A	613.3	0.43	TR_V_gene	14	5306916	5318355	family with sequence similarity 155, member A
262	ENSG00000079339	CD14A	665.5	0.43	protein_coding	1	100810584	10086533	cell division cycle 14A
281	ENSG00000138459	RNASEL	714	0.43	protein_coding	1	18254269	18258991	ribonuclease L (2'-5'-oligoadenylate synthetase-dependent)
308	ENSG000002028677	ANKRD44T1	780	0.43	sense_intronic	2	18611552	18616743	ANKRD44 intron 1 transcript 1 (non-protein coding)
382	ENSG000002028382	ITPKB11	853	0.43	sense_intronic	2	22684341	22682768	ITPKB intron 1 transcript 1 (non-protein coding)
383	ENSG00000202391		716.9	0.43	sRNA	17	78662776	78662879	RNA, U6 small nuclear 638, pseudogene
104	ENSG00000211738		214.3	0.43	TR_V_gene	14	22413	22413	T cell receptor alpha variable 12a
370	ENSG00000211816		865.1	0.43	TR_V_gene	14	22736851	22740446	T cell receptor alpha variable 36-1
463	ENSG00000211795		1161.4	0.43	TR_V_gene	14	22446699	22447460	T cell receptor alpha variable 8-6
548	ENSG00000180499		1187.8	0.43	unprocessed_pseudogene	1	18677169	18677925	olfactory receptor family 10, subfamily AA, member 1 pseudogene
103	ENSG000002029200		299.3	0.43	unprocessed_pseudogene	7	14209455	14209977	T cell receptor beta variable 7-3
107	ENSG000002071821		581.4	0.43					
250	ENSG000002029460		641.7	0.43					
252	ENSG000002035300		646.6	0.43					
256	ENSG0000020240143		653.3	0.43					
259	ENSG00000202878		669.2	0.43					
269	ENSG000002041762		697.4	0.43					
304	ENSG000002025963		768.9	0.43					
333	ENSG000002027195		821.6	0.43					
412	ENSG00000202248		951.9	0.43					
531	ENSG000002027286		1133.8	0.43					
583	ENSG000002026962		1215.8	0.43					
678	ENSG000002026031		1326.8	0.43					
292	ENSG000002046019	FAM159A1	760.3	0.42	antisense	4	89630340	89651254	FAM159A antisense RNA 1
371	ENSG000002028346		889.4	0.42	antisense	1	22695698	22698446	ITPKB antisense RNA 1
518	ENSG000002026348	LINC00989	798.8	0.42	lincRNA	4	89413570	89487614	long intergenic non-protein coding RNA 989
519	ENSG000002025163		745.2	0.42	processed_pseudogene	11	118078647	11807926	heat shock 10kDa protein 1 pseudogene 18
746	ENSG00000213049		1434	0.42	processed_pseudogene	12	1190128	9101895	heterogeneous nuclear ribonucleoprotein A1 pseudogene 34
148	ENSG00000191746	GZMB	327.7	0.42	protein_coding	19	54624	54629	granzyme M (lymphocyte mediator 1)
159	ENSG0000011096	NFATC2	435.1	0.42	protein_coding	20	50003494	50179370	nuclear factor of activated T cells, cytoplasmic, calcineurin-dependent 2
158	ENSG00000178562	CD28	450.4	0.42	protein_coding	2	243571188	24403635	CD28 molecule
178	ENSG00000160771	DCNND2	505	0.42	protein_coding	6	11747206	11747127	DENND2A domain containing 20
204	ENSG00000203747	FCGR3A	563.7	0.42	protein_coding	1	161511549	161600917	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)
214	ENSG00000151702	FLI1	572.2	0.42	protein_coding	11	12856430	128683162	FLI-1 proto-oncogene, ETS transcription factor
227	ENSG0000014369	PSTPIP1	604.8	0.42	protein_coding	15	7246700	72429673	protein-tyrosine phosphatase-interacting protein 1
229	ENSG00000137752	CASP1	608.4	0.42	protein_coding	11	10486170	104872158	caspace 1, apoptosis-inducing cysteine peptidase
232	ENSG00000186470	BTNA2	615.1	0.42	protein_coding	6	26365387	26378546	butyrophilin subfamily 3, member A2
238	ENSG00000101033	GRF41	618.3	0.42	protein_coding	7	3273386	3287356	G-protein-coupled receptor 141
257	ENSG00000115938	WBP1	655.6	0.42	protein_coding	2	17542300	17547844	WAS/WASL interacting protein family, member 1
270	ENSG00000174718	KIAA1551	684.5	0.42	protein_coding	12	32112304	32146039	KIAA1551
284	ENSG00000119320	STRBM4	753.7	0.42	protein_coding	5	10044929	10053970	STR alpha-N-acetylneuraminate alpha-2,8-sialyltransferase 4
313	ENSG00000147251	DKCK11							

155	ENSG00000100100	PIR3P1	451.6	0.41	protein_coding	2	3167579	3168520	phosphonidase-3-kinase interacting protein 1
205	ENSG00000218071	CCR2	662.4	0.41	protein_coding	3	4539225	4542019	chemokine (C-C motif) receptor 2
216	ENSG00000128294	APOL3	590.1	0.41	protein_coding	22	3653672	3656225	apolipoprotein L 3
222	ENSG00000197629	MPEG1	589.1	0.41	protein_coding	11	5897583	5898024	macrophage expressed 1
238	ENSG00000136595	PTPLA2	703.7	0.41	protein_coding	16	2699147	2699214	linker for activation of T cells
239	ENSG00000192624	CDC42E1	693.1	0.41	protein_coding	1	15102447	15102491	GDC-2 small effector 1
274	ENSG0000050554	FTL3L3	700.5	0.41	protein_coding	19	4997744	4998848	fms-related tyrosine kinase 3 ligand
277	ENSG00000188261	PTPLA2	703.5	0.41	protein_coding	9	2595336	2101165	protein tyrosine phosphatase-like A domain containing 2
283	ENSG0000029272	PRF1	740.1	0.41	protein_coding	4	7471896	7471892	guanine factor 5 variant 1
309	ENSG00000185412	EIF4E3	781.6	0.41	protein_coding	3	7174567	7174592	eukaryotic translation initiation factor 4E family member 3
314	ENSG00000145853	NIRC2	789.6	0.41	protein_coding	16	5102397	5117143	NLR family, CARD domain containing 20
317	ENSG00000208891	SP110	797.3	0.41	protein_coding	2	23102009	23105044	SP110 nuclear body protein
335	ENSG00000083799	CYLD	824.3	0.41	protein_coding	16	5075961	5085846	cyllindromatosis (urban tumor syndrome)
337	ENSG00000135853	DOCK10	830	0.41	protein_coding	2	22962907	22963192	inducator of cytokinesis 10
346	ENSG00000101109	STK4	848.1	0.41	protein_coding	20	43595115	43786000	serine/threonine kinase 4
367	ENSG00000107099	DOCK8	862.6	0.41	protein_coding	9	21484	452529	inducator of cytokinesis 8
384	ENSG00000154814	OXNAP1	924.1	0.41	protein_coding	3	1632065	1632106	oxidoreductase NAD-binding domain containing 1
683	ENSG00000140090	SLC24A4	1347.9	0.41	protein_coding	14	9278825	9282596	solute carrier family 24 (sodium/potassium/calcium exchanger), member 4
358	ENSG00000230539	AOAH-IT1	865.9	0.41	sense_intronic	7	36637440	36639726	AOAH intronic transcript 1 (non-protein coding)
511	ENSG00000226959		1092.2	0.41	RNA	8	12691395	12692038	RNA, U6 small nuclear 45s, pseudogene
381	ENSG00000211851	TR_J_gene	869	0.41	TR_J_gene	14	22971215	22971216	T cell receptor alpha joining 38
383	ENSG00000211876	TR_J_gene	874.1	0.41	TR_J_gene	14	23000026	23000088	T cell receptor alpha joining 13
384	ENSG00000211886	TR_J_gene	883.8	0.41	TR_J_gene	14	23012122	23012183	T cell receptor alpha joining 3
374	ENSG00000255569	TR_V_gene	900.5	0.41	TR_V_gene	14	22089991	22090720	T cell receptor alpha variable 1-1
411	ENSG00000103472		956.2	0.41	transcribed_unprocessed_pseudogene	16	29086163	29128039	RNA polymerase I transcription factor homolog (S. cerevisiae) pseudogene 2
1018	ENSG00000238228		1795.1	0.41	unprocessed_pseudogene	7	97576296	97577310	olfactory receptor family 7, subfamily E, member 7 pseudogene
225	ENSG00000272917		593.7	0.41	protein_coding	14	22998580	22998641	T cell receptor alpha joining 15
268	ENSG00000206878		683.2	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
280	ENSG00000282714		712.4	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
296	ENSG00000211874		754.3	0.41	protein_coding	14	22998580	22998641	T cell receptor alpha joining 15
348	ENSG00000231551		848.3	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
350	ENSG00000211852		849.9	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
396	ENSG00000240007		958.9	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
399	ENSG00000237584		971.9	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
426	ENSG00000237705		970	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
428	ENSG00000286898		970.6	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
444	ENSG00000284878		992.3	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
448	ENSG00000248268		1004.2	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
466	ENSG00000256705		1020.4	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
468	ENSG00000280489		1028.8	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
505	ENSG00000255900		1088.8	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
509	ENSG00000258926		1091.2	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
518	ENSG00000261781		1141.1	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
699	ENSG00000217863		1314.2	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
720	ENSG00000235258		1413.4	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
623	ENSG00000273461		1678.7	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
644	ENSG00000294554		1868.8	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
1082	ENSG00000177500		1892.2	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
1157	ENSG0000023704		1994.2	0.41	protein_coding	14	22972735	22972735	T cell receptor alpha joining 37
310	ENSG00000254703	SENR	783.4	0.4	antisense	11	12895167	12895918	smooth muscle and endothelial cell enriched migration/differentiation-associated long non-coding RNA
320	ENSG00000232878	DPYD-AS1	1110.4	0.4	antisense	1	97561479	9758511	DPYD antisense RNA 1
1027	ENSG00000224101	ELMO1-AS1	1812.9	0.4	antisense	1	3703161	3703525	ELMO1 antisense RNA 1
124	ENSG00000264493	MIR4298	802	0.4	miRNA	11	1880954	1880786	microRNA 4298
282	ENSG00000245444		716.6	0.4	misc_RNA	3	12137343	12137343	RNA, 75S, cytoplasmic 172, pseudogene
427	ENSG00000201850		892.3	0.4	misc_RNA	16	8812352	88123446	RNA, U6 small nuclear 45s, pseudogene
451	ENSG00000231215		996.8	0.4	processed_pseudogene	5	38189312	38190437	gigitin A5 pseudogene 1
453	ENSG00000233999		1046	0.4	processed_pseudogene	X	117766338	11776811	retinol oxidase binding protein 8 pseudogene 1
477	ENSG00000230228		1268.8	0.4	processed_pseudogene	1	38651418	38651489	ribosomal protein L35 pseudogene 9
388	ENSG00000214851	LINC00212	831	0.4	processed_transcript	12	9208182	9217686	long intergenic non-protein coding RNA 612
170	ENSG00000101862	SLC2	489.9	0.4	protein_coding	20	35240721	35246119	Src-like adaptor 2
195	ENSG00000161544	TNFAIP2L1	514.6	0.4	protein_coding	1	151129165	151132225	tumor necrosis factor, alpha-induced protein 8-like 2
226	ENSG00000185477	GPRIN3	597.2	0.4	protein_coding	4	90157337	90209161	GPRIN family member 3
231	ENSG00000209996	IL12RB1	611.4	0.4	protein_coding	19	1819805	18209154	interleukin 12 receptor, beta 1
251	ENSG00000209996	PRKCO	611.4	0.4	protein_coding	10	5469105	54692203	protein kinase C, beta
254	ENSG00000107073	MGAT4A	654.4	0.4	protein_coding	2	9923559	9943789	mannosyl (alpha-1,3)-glycosyltransferase, beta-1,4-N-acetylglucosaminyltransferase, isozyme A
284	ENSG00000206357	DGKA	737.7	0.4	protein_coding	12	56321103	56347111	dacylglycerol kinase, alpha 80Da
286	ENSG00000204193	CARD16	728.7	0.4	protein_coding	11	104912053	104927148	caspase recruitment domain family, member 16
291	ENSG00000100555	CYTH4	748	0.4	protein_coding	22	3787806	37711382	cytohesin 4
301	ENSG00000183131	CTSS	753.5	0.4	protein_coding	1	145072672	145073843	cathepsin S
306	ENSG00000252793	PDSE3B	772.9	0.4	protein_coding	11	14682569	14682569	phosphodiesterase 3B, cAMP-inhibited
327	ENSG00000127152	BC1L1B	814.1	0.4	protein_coding	14	99635624	99737861	B-cell CLL/lymphoma 11B (zinc finger) protein
332	ENSG00000081320	STR17B	821.5	0.4	protein_coding	2	18998290	18999127	serine/threonine kinase 17b
348	ENSG00000186758		821.5	0.4	protein_coding	2	18998290	18999127	serine/threonine kinase 17b
381	ENSG00000147138	GPR174	906.4	0.4	protein_coding	X	78426469	7842726	G protein-coupled receptor 174
389	ENSG00000133794	ARNTL	919.9	0.4	protein_coding	11	13269199	13268813	aryl hydrocarbon receptor nuclear translocator-like protein 1
395	ENSG00000170366	TMEM154	919.9	0.4	protein_coding	14	15383974	15383974	transmembrane protein 154
400	ENSG00000171657	GPR35	933.5	0.4	protein_coding	X	41583408	41589388	G protein-coupled receptor 82
403	ENSG00000145455	USP3	936	0.4	protein_coding	15	6378793	6388686	ubiquitin-specific peptidase 3
404	ENSG00000205918	MIR6811	943.8	0.4	miRNA	51	1511401	15119179	microRNA 6811
413	ENSG00000409933	INPP4A	952.1	0.4	protein_coding	2	99061317	99210853	inositol polyphosphate 4-phosphatase, type 1, 107Da
419	ENSG00000200402	CFAR	966.4	0.4	protein_coding	2	201980427	20204410	CASP8 and FADD-like apoptosis regulator
452	ENSG00000141298	SH3P2	996.9	0.4	protein_coding	17	2795299	28257290	sh3p2 protein phosphatase 2
456	ENSG00000132669	LYST	1002	0.4	protein_coding	10	23563441	23564940	lysosomal trafficking regulator
472	ENSG00000176390	CHL3	1025.8	0.4	protein_coding	17	29096466	29151794	cytosine receptor-like factor 3
475	ENSG00000217311	HELB	1026.8	0.4	protein_coding	12	66963225	66737423	histidine (DNA) B
481	ENSG00000286263	PRKCO	1031.8	0.4	protein_coding	10	52492863	52493289	Uncoupled protein
487	ENSG00000177324	BEND2	1040.9	0.4	protein_coding	X	18181051	18239024	BEN domain containing 2
1231	ENSG00000185999	TAS2R60	2162.2	0.4	protein_coding	7	143140546	143141602	taste receptor, type 2, member 60
976	ENSG00000202630		950.7	0.4	misc_RNA	11	48111370	48111370	RNA, U6 small nuclear 48S, pseudogene
527	ENSG00000212257		988	0.4	misc_RNA	1	65488561	65488757	RNA, U6 small nuclear 176, pseudogene
527	ENSG00000252620		1127.1	0.4	misc_RNA	3	19524988	19525019	RNA, U6 small nuclear 24, pseudogene
578	ENSG00000211850		962.8	0.4	TR_J_gene	14	22971016	22971016	T cell receptor alpha joining 39
420	ENSG00000211867		958.1	0.4	TR_J_gene	14	22971016	22971016	T cell receptor alpha joining 22
421	ENSG00000211883		961.4	0.4	TR_J_gene	14	23008016	23008077	T cell receptor alpha joining 8
450	ENSG00000211864		963.9	0.4	TR_J_gene	14	23081790	23081790	T cell receptor alpha joining 25 (non-functional)
460	ENSG00000211847		1010.1	0.4	TR_J_gene	14	22965872	22965872	T cell receptor alpha joining 42
123	ENSG00000237702		317.7	0.4	TR_V_gene	7	14200835	14200871	T cell receptor beta variable 3-1
136	ENSG00000211709		371.9	0.4	TR_V_gene	7	14201710	14201710	T cell receptor beta variable 1-1
967	ENSG00000158860		1734	0.4	unprocessed_pseudogene	7	143333745	143315397	family with sequence similarity 115, member D (pseudogene)
171									

481	ENSG0000020789	1013.8	0.39	sense intronic	5	142572065	142573731	ARHGAP26 intronic transcript 1 (non-protein coding)	
482	ENSG00000202081	997.9	0.39	snRNA	15	88194753	88194969	RNA_U6 small nuclear 128b, pseudogene	
483	ENSG00000219119	997.4	0.39	snRNA	15	101092025	101092127	RNA_U6 small nuclear 322, pseudogene	
487	ENSG00000205307	1020.5	0.39	snRNA	3	134499369	134499469	RNA_U6 small nuclear 1174, pseudogene	
481	ENSG00000202103	1065.	0.39	snRNA	20	15009702	15009806	RNA_U6 small nuclear 817, pseudogene	
475	ENSG00000211868	963.9	0.39	TR_V_gene	14	2299257	2299257	T cell receptor alpha joining 21	
429	ENSG00000211884	1038.8	0.39	TR_J_gene	14	23009190	23009249	T cell receptor alpha joining 5	
508	ENSG00000211849	1050.9	0.39	TR_J_gene	14	22968872	22968872	T cell receptor alpha joining 40	
513	ENSG00000211970	1038.8	0.39	TR_J_gene	14	22984239	22984292	T cell receptor alpha joining 19 (non-functional)	
554	ENSG00000211856	1171.	0.39	TR_J_gene	14	22977587	22977643	T cell receptor alpha joining 33	
140	ENSG00000211770	410.2	0.39	TR_V_gene	7	14201087	14201349	T cell receptor beta variable 4-1	
630	ENSG00000211724	1244.4	0.39	TR_V_gene	7	14201931	14202407	T cell receptor beta variable 6-6	
835	ENSG00000237272	1548.1	0.39	unitary_pseudogene	11	4439290	4440183	officiary receptor, family 51, subfamily R, member 1 pseudogene	
537	ENSG00000202748	1288.8	0.39	unprocessed_pseudogene	2	202077006	202077804	MT_ND2 pseudogene 25	
1290	ENSG00000204381	2158.4	0.39	unprocessed_pseudogene	5	177283445	177284447	officiary receptor, family 1, subfamily X, member 5 pseudogene	
307	ENSG00000207017	778.1	0.39						
323	ENSG00000206710	801.1	0.39						
365	ENSG00000202904	890.1	0.39						
386	ENSG00000205501	916.1	0.39						
414	ENSG000002048477	952.9	0.39						
464	ENSG00000202503	1017.	0.39						
490	ENSG00000203798	1062.8	0.39						
515	ENSG000002058733	1108.3	0.39						
544	ENSG00000202627	1157.3	0.39						
550	ENSG000002058922	1164.7	0.39						
570	ENSG00000202741	1197.	0.39						
584	ENSG00000201958	1218.7	0.39						
602	ENSG00000208781	1244.9	0.39						
634	ENSG000002087762	1282.	0.39						
651	ENSG00000203372	1301.1	0.39						
682	ENSG000002043402	1348.8	0.39						
688	ENSG000002082312	1356.8	0.39						
748	ENSG00000201093	1435.8	0.39						
907	ENSG000002072709	1636.7	0.39						
997	ENSG000002040710	1778.2	0.39						
1111	ENSG00000201068	1803.1	0.39						
1360	ENSG00000207228	2293.2	0.39						
1380	ENSG00000203790	LINC02099	2308.	0.38	lincRNA	2	8147901	8523751	long intergenic non-protein coding RNA 299
452	ENSG00000201701	1303.1	0.38	misc_RNA	8	3468298	3468298	RNA_7SL, cytoplasmic 517, pseudogene	
660	ENSG000002041939	1314.7	0.38	misc_RNA	3	43356443	43356745	RNA_7SL, cytoplasmic 517, pseudogene	
958	ENSG000002044071	1117.1	0.38	processed_pseudogene	19	52124389	52124954	ribosomal protein L9 pseudogene 33	
760	ENSG00000204405	1472.3	0.38	processed_pseudogene	X	4770265	4770101	ribosomal protein L7 pseudogene 57	
861	ENSG00000204045	1587.8	0.38	processed_pseudogene	16	68243345	68243881	ribosomal protein S12 pseudogene 27	
175	ENSG00000198851	CD3E	502.7	0.38	protein_coding	11	118175260	118186890	CD3e molecule, epsilon (CD3E, TCR complex)
279	ENSG00000142403	ZNF81	725.5	0.38	protein_coding	20	87766076	87804168	zinc finger protein 831
284	ENSG00000172485	K16	735.3	0.38	protein_coding	15	81451916	81950104	keratin 16
299	ENSG000002004472	AIF1	761.8	0.38	protein_coding	6	3158261	3158478	allograft inflammatory factor 1
312	ENSG00000100561	GNAP2	807.7	0.38	protein_coding	22	40207089	40399725	GNB2-related adaptor protein 2
334	ENSG00000185621	TMEM71	820.3	0.38	protein_coding	8	133607263	133770298	transmembrane protein 71
343	ENSG00000141506	PKRX	843.6	0.38	protein_coding	17	8782233	8869329	phosphonidase-3-kinase, regulatory subunit 5
407	ENSG00000186219	CAD3	963.9	0.38	protein_coding	5	15396329	15397968	CR3-associated binding protein 3
423	ENSG00000149854	TRAF3A	967.5	0.38	protein_coding	2	8048874	8051312	Traff domain containing 2A
447	ENSG00000101265	RASSF2	994.2	0.38	protein_coding	20	4760669	4804291	Ras association (RASSF) domain family member 2
471	ENSG00000183041	H3F3A	1025.5	0.38	protein_coding	1	22824952	22825070	H3 histone, family 3A
484	ENSG00000182901	IRAK4	1028.0	0.38	protein_coding	12	44152747	44183346	interleukin 1 receptor-associated kinase 4
488	ENSG00000187764	SEMA4D	1060.1	0.38	protein_coding	9	91975702	92113045	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D
492	ENSG00000183788	SNRK	1065.5	0.38	protein_coding	3	43328004	4386256	SNF related kinase
498	ENSG00000174128	TLR1	1071.5	0.38	protein_coding	4	38792298	3885848	toll-like receptor 1
501	ENSG00000185404	SP140L	1083.3	0.38	protein_coding	2	231191889	23120847	SP140 nuclear body protein-like
533	ENSG00000185841	CDYD	1134.3	0.38	protein_coding	1	8764269	8838605	dydymin domain containing 1
538	ENSG00000184463	CREBRF	1140.3	0.38	protein_coding	5	17248335	17266291	CREB3 regulatory factor
542	ENSG00000136040	PLXNC1	1153.4	0.38	protein_coding	12	94542499	94791451	pleckstrin C1
575	ENSG00000103311	ALPK1	1201.1	0.38	protein_coding	4	11302665	11336378	alpha kinase 1
578	ENSG00000134698	ASO4	1208.6	0.38	protein_coding	1	36273773	36232481	aspartate RISC catalytic component 4
579	ENSG00000145819	ARHGAP26	1211.	0.38	protein_coding	5	14214949	142409576	Rho GTPase activating protein 26
588	ENSG00000166763	KLALAD3	1227.6	0.38	protein_coding	16	15688243	15717023	KLALAD3
607	ENSG00000213240	NOTCH2NL	1252.8	0.38	protein_coding	1	145209119	145209119	notch 2 N-terminal like
630	ENSG00000120868	APAF1	1272.6	0.38	protein_coding	12	96038919	96129204	apoptotic peptidase activating factor 1
1076	ENSG00000202542	CDYD	1281.3	0.38	protein_coding	1	8768170	8788697	CDYD intronic transcript 1 (non-protein coding)
796	ENSG00000201544	SNCR1B	1388.6	0.38	snRNA	1	21250158	21252392	small nuclear RNA, HIACA box 16B
802	ENSG00000212316	SNRNP200	1420.8	0.38	snRNA	9	77812987	77813093	RNA_U6 small nuclear 122b, pseudogene
858	ENSG00000186643	SNRNP200	1502.8	0.38	snRNA	9	9026584	9026584	RNA_U6 small nuclear 50, pseudogene
138	ENSG00000211772	402.4	0.38	TR_C_gene	7	142498725	142500332	T cell receptor beta constant 2	
345	ENSG00000211887	847.8	0.38	TR_V_gene	7	38285981	38285930	T cell receptor gamma joining 2	
373	ENSG00000211627	887.5	0.38	TR_C_gene	14	2296384	2296384	T cell receptor alpha joining 2	
536	ENSG00000211875	1137.8	0.38	TR_J_gene	14	22999778	22999929	T cell receptor alpha joining 14	
628	ENSG00000211845	1404.	0.38	TR_V_gene	14	2296386	2296388	T cell receptor alpha joining 44	
646	ENSG00000211798	1473.8	0.38	TR_V_gene	14	2485413	2485413	T cell receptor alpha variable 18	
680	ENSG00000211751	1537.3	0.38	TR_V_gene	7	14237672	14237976	T cell receptor beta variable 20-2	
1290	ENSG00000202789	2097.7	0.38	TR_V_gene	7	142205511	142207011	T cell receptor beta variable 10-1	
1343	ENSG000002025291	2207.9	0.38	TR_V_gene	12	14231809	14231809	T cell receptor beta variable 7-7	
1525	ENSG00000202590	TREML5P	2478.4	0.38	unprocessed_pseudogene	6	41215107	41217387	triggering receptor expressed on myeloid cells-like 5, pseudogene
113	ENSG000002023505	333.4	0.38						
193	ENSG00000202164	561.1	0.38		14	23016447	23021097	T cell receptor alpha constant	
197	ENSG00000202956	546.	0.38						
355	ENSG00000204868	858.2	0.38						
424	ENSG00000208919	967.7	0.38						
438	ENSG000001488	979.4	0.38						
453	ENSG00000205760	1004.9	0.38						
498	ENSG00000207190	1080.9	0.38						
580	ENSG00000202824	1201.2	0.38						
595	ENSG00000208625	1236.	0.38						
618	ENSG00000204618	1257.	0.38						
623	ENSG00000203520	1289.	0.38						
628	ENSG00000204784	1273.5	0.38						
646	ENSG00000207784	1293.8	0.38						
671	ENSG000002054317	1327.3	0.38						
675	ENSG00000204745	1336.2	0.38						
691	ENSG00000202097	1336.	0.38						
697	ENSG000002030718	1373.2	0.38						
710	ENSG00000211875	1385.1	0.38						
750	ENSG00000186295	1437.3	0.38						
805	ENSG000002058912	1517.8	0.38						
884	ENSG000002034110	1614.9	0.38						
926	ENSG00000202598	1679.3	0.38						
963	ENSG000002086397	1719.3	0.38						
1025	ENSG000002037914	1814.	0.38						
1140	ENSG00000202188	1975.	0.38						
1156	ENSG000002054887	1983.3	0.38						
1227	ENSG000002080145	2134.3	0.38						
1407	ENSG00000202339	2345.4	0.38						
1422	ENSG000002033464	2359.8	0.38						
1521	ENSG000002029277	2474.5	0.38						
1543	ENSG00000204188	2493.	0.38						
1576	ENSG00000206971	2544.9	0.38						
715	ENSG00000208908	1407.	0.37	antisense	4	54927213	54927377	HCG2007126, Uncharacterized protein	
295	ENSG00000208598	MR3571	757.8	0.37	miRNA	1	6552348	6552356	miRNA 3671
1312	ENSG00000211235	MR1200	2208.5	0.37	miRNA	7	36958962	36959032	miRNA 1200

1288	ENSG00000212445	2173.4	0.37	snRNA	16	68223190	68223124	Small nuclear RNA SNORA48
1449	ENSG00000208529	1202.8	0.37	snRNA	2	20200689	20200689	RNA_U1 small nuclear 45 pseudogene
666	ENSG00000223858	1322.8	0.37	snRNA	17	27968629	27968720	RNA_U6 small nuclear 920 pseudogene
689	ENSG00000222267	1325.3	0.37	snRNA	8	20047290	20047388	RNA_U6 small nuclear 895 pseudogene
616	ENSG00000211880	1260.5	0.37	TR_J_gene	14	23044502	23044562	T cell receptor alpha joining 9
616	ENSG00000211880	1252.7	0.37	TR_J_gene	14	22989364	22989456	T cell receptor alpha joining 23
694	ENSG00000211860	1370.3	0.37	TR_J_gene	14	22982921	22982980	T cell receptor alpha joining 29
744	ENSG00000211860	1593.7	0.37	TR_J_gene	14	23046967	23046968	T cell receptor alpha joining 7
73	ENSG00000211793	1593.7	0.37	TR_V_gene	14	22489113	22489844	T cell receptor alpha variable 9-2
182	ENSG00000211716	518	0.37	TR_V_gene	7	14229957	14229958	T cell receptor beta variable 9
198	ENSG00000211734	553.1	0.37	TR_V_gene	7	14230496	14230193	T cell receptor beta variable 9-1
1429	ENSG00000212950	2911	0.37	TR_V_gene	7	14222380	14222384	T cell receptor beta variable 11-1
1377	ENSG00000237065	2378.9	0.37	transcribed_unprocessed_pseudo	7	29251918	29252830	Nangy homeobox pseudogene 4
1251	ENSG00000225796	2129.4	0.37	unprocessed_pseudogene	2	202078021	202079383	MT-ND4 pseudogene 23
213	ENSG00000245848	571.5	0.37					
387	ENSG00000235105	917.3	0.37					
487	ENSG00000209121	1053.3	0.37					
501	ENSG00000259628	1213.8	0.37					
611	ENSG00000208141	1256.2	0.37					
617	ENSG00000235443	1201.4	0.37					
647	ENSG00000230063	1296.4	0.37					
656	ENSG00000272650	1308.8	0.37					
657	ENSG00000230322	1311.6	0.37					
670	ENSG00000260378	1355.9	0.37					
686	ENSG00000239445	1353.3	0.37			15178595	15178690	Small nuclear RNA U13
690	ENSG00000000114	1358.2	0.37	SYNRG	17	35814800	35816644	synergin gamma
710	ENSG00000271680	1401.5	0.37					
718	ENSG00000236194	1408.9	0.37					
726	ENSG00000230735	1416.3	0.37					
735	ENSG00000253720	1428.8	0.37					
737	ENSG00000254325	1430.3	0.37					
739	ENSG00000232154	1431.7	0.37					
742	ENSG00000270949	1432.9	0.37					
759	ENSG00000254879	1450.6	0.37					
774	ENSG00000259552	1465.6	0.37					
808	ENSG00000211443	1510.8	0.37					
813	ENSG00000259468	1516.4	0.37					
880	ENSG00000249883	1611	0.37					
909	ENSG00000232311	1651.7	0.37					
950	ENSG00000229979	1703.8	0.37					
958	ENSG00000249691	1714.2	0.37					
1030	ENSG00000259574	1822	0.37					
1034	ENSG00000258483	1825.2	0.37					
1041	ENSG00000260562	1826	0.37					
1042	ENSG00000270268	1845.7	0.37					
1080	ENSG00000225936	1885.3	0.37					
1180	ENSG00000270174	2052.9	0.37					
1182	ENSG00000260186	2022.8	0.37					
1410	ENSG00000241134	2348.6	0.37					
1412	ENSG00000259629	2349.9	0.37					
1418	ENSG00000249481	2353.4	0.37					
1443	ENSG00000256155	2389.2	0.37					
1480	ENSG00000293772	2444.2	0.37					
1500	ENSG00000217211	2453	0.37					
1528	ENSG00000258832	2477.3	0.37					
1536	ENSG00000225751	2513.2	0.37					
1804	ENSG00000230487	2802.6	0.37					
1828	ENSG00000237379	2917.2	0.37					
732	ENSG00000223799	1427.8	0.36	antisense	21	34536178	34538595	IL10RB antisense RNA 1 (head to head)
981	ENSG00000222154	1714.2	0.36	antisense	4	154652611	154841577	TRUC antisense RNA 1
935	ENSG00000228487	1687.3	0.36	antisense	X	110948877	110954328	ALG13 antisense RNA 1
960	ENSG00000226312	1716.6	0.36	antisense	2	202025507	202022548	CFLAR antisense RNA 1
1036	ENSG00000224441	1822.2	0.36	antisense	3	17084624	17085684	PCCL1 antisense RNA 1
686	ENSG00000236438	1927.7	0.36	lincRNA	3	197879237	197825886	family with sequence similarity 157, member A
1094	ENSG00000226907	2300.9	0.36	lincRNA	1	149284445	149289775	long intergenic non-protein coding RNA 809
1096	ENSG00000230963	2322.1	0.36	lincRNA	1	2441982	2442226	GMS2 antisense RNA 1 (head to head)
802	ENSG00000222811	1504.2	0.36	miRNA	1	236016300	236016340	miR-1537
821	ENSG00000215337	1528.7	0.36	miRNA	14	64561742	64561843	miR-548b-1
743	ENSG00000230044	1437.8	0.36	misc_RNA	9	7738038	7738037	Y RNA
841	ENSG00000208739	1492	0.36	misc_RNA	22	19032769	19032880	Y RNA
729	ENSG00000232772	1442	0.36	processed_pseudogene	2	143854408	14385576	MT-ND4 pseudogene 22
756	ENSG00000230511	1444.2	0.36	processed_pseudogene	2	23137928	23138053	high mobility group box 1 pseudogene 3
863	ENSG00000230452	1578.6	0.36	processed_pseudogene	16	28122454	28122968	TPS3P1 binding protein pseudogene 2
803	ENSG00000238278	1591.4	0.36	processed_pseudogene	1	188848268	188849162	phosphatidylinositol-binding protein 1 pseudogene 3
906	ENSG00000230498	1602.6	0.36	processed_pseudogene	12	68838857	68839033	heterogeneous nuclear ribonucleoprotein A1 pseudogene 7b
1846	ENSG00000259066	2623.6	0.36	processed_pseudogene	14	89418871	8941247	family with sequence similarity 35, member C pseudogene
1897	ENSG00000296171	3002.2	0.36	processed_pseudogene	12	8293764	8295293	glycine cleavage system protein 1 (aminomethyl carrier) pseudogene 4
126	ENSG00000232258	1714.2	0.36	processed_transcript	17	76163479	76163480	TRUC antisense RNA 1
59	ENSG00000143185	164.9	0.36	protein_coding	1	16851003	168513235	chemokine (C motif) ligand 2
366	ENSG00000204592	881	0.36	protein_coding	6	30457244	30461982	major histocompatibility complex, class I E
369	ENSG00000181791	882.9	0.36	protein_coding	16	88021297	88021309	arvus kinase 3
382	ENSG00000127094	909.9	0.36	protein_coding	9	95709733	95709518	FYVE, RhoGEF and PH domain containing 3
398	ENSG00000163947	919.6	0.36	protein_coding	3	56781446	57113357	Rho guanine nucleotide exchange factor (GEF) 3
385	ENSG00000204642	925.9	0.36	protein_coding	6	29606552	29706305	major histocompatibility complex, class I F
401	ENSG00000102638	933.8	0.36	protein_coding	13	17935698	17935680	arvus kinase 3
406	ENSG00000128450	943.2	0.36	protein_coding	9	51628165	51639908	sialic acid binding-like lectin 9
416	ENSG00000117602	964.7	0.36	protein_coding	7	24023987	24067530	ATCNA family member 2
430	ENSG00000198448	974.8	0.36	protein_coding	9	117094436	117166845	AT-hook transcription factor
454	ENSG00000115607	999.2	0.36	protein_coding	2	10305149	10306925	interleukin 18 receptor accessory protein
473	ENSG00000169598	1026.9	0.36	protein_coding	11	118097466	118124605	lysozym protein cerivizic 3
510	ENSG00000145226	1084.8	0.36	protein_coding	1	61412520	61418300	Fc-fragment of IgG, low affinity, beta receptor (CD32)
512	ENSG00000175857	1169.7	0.36	protein_coding	5	57782782	57792917	GRB2-binding adaptor protein, transmembrane
526	ENSG00000180533	1126.7	0.36	protein_coding	3	12139246	12139774	hematopoietic cell-specific Lyn substrate 1
564	ENSG00000186172	1131.6	0.36	protein_coding	1	154317669	15441026	interleukin 6 receptor
587	ENSG00000136147	1125.3	0.36	protein_coding	13	50069746	50103123	PHD finger protein 11
597	ENSG00000309377	1238	0.36	protein_coding	7	13947690	139720125	thrombospondin 1 (platelet)
604	ENSG00000129385	1292.7	0.36	protein_coding	22	30348746	30358198	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A
627	ENSG00000183162	1272.6	0.36	protein_coding	2	101887681	101925163	ring finger protein 149
642	ENSG00000101916	1296.3	0.36	protein_coding	X	12924729	12941298	tbl-like receptor 1
644	ENSG00000108689	1293.5	0.36	protein_coding	17	78670130	78778379	cytchesin 1
787	ENSG00000112343	1353.4	0.36	protein_coding	6	25963030	25967184	triglycyl motif containing 38
741	ENSG00000107966	1402.6	0.36	protein_coding	2	23120667	23140806	SP100 nuclear antigen
753	ENSG00000101153	1443.4	0.36	protein_coding	14	91737867	91844188	collet-coiled nuclear containing 8B
786	ENSG00000152918	1481.9	0.36	protein_coding	6	14469837	14517470	utrophin
839	ENSG00000113441	1552	0.36	protein_coding	5	96271096	96279216	lysyl/tyrosyl aminopeptidase
885	ENSG00000147886	1580.8	0.36	protein_coding	9	27524312	27528496	interferon, kappa
889	ENSG00000128003	1619.8	0.36	protein_coding	15	62144588	62352672	vesicular protein sorting 13 homolog C (S. cerevisiae)
910	ENSG00000158073	1654.2	0.36	protein_coding	1	17396305	173991435	ring finger and CCHC-type domains 1
965	ENSG00000107077	1706.5	0.36	protein_coding	9	6728883	6775848	Msm1 (K)-specific demethylase 4C
979	ENSG00000172568	1754.6	0.36	protein_coding	5	156786608	156772729	Ribonuclein type II domain containing 9
1050	ENSG00000204683	1849	0.36	protein_coding	8	93073743	93073743	ROU domain-like 3, transcription factor 2
1530	ENSG00000167633	2479.6	0.36	protein_coding	19	55235969	55378448	killer cell immunoglobulin receptor, three domains, long cytoplasmic tail, 1
1700	ENSG00000112116	2702.7	0.36	protein_coding	6	52101479	52109335	interleukin 17F
1737	ENSG00000101918	2739	0.36	protein_coding	19	55029105	55021897	ubiquitin-associated immunoglobulin-like receptor 2
1748	ENSG00000181963	2789.8	0.36	protein_coding	11	4470525	4471591	effector receptor, family 52, subfamily K, member 2
1859	ENSG00000196778	2960.9	0.36	protein_coding	11	4510109	4511138	effector receptor, family 52, subfamily K, member 1
726	ENSG00000212993	1419.2	0.36	snRNA	13	29994527	29994653	Small nuclear RNA SNORA16B/SNORA15A family

879	ENSG00000253307	1609.9	0.36						
883	ENSG00000233598	1614.8	0.36						
900	ENSG00000225205	1642	0.36						
908	ENSG00000287136	1650.4	0.36						
927	ENSG00000270129	1653	0.36						
928	ENSG00000211513	1661	0.36						
981	ENSG00000224901	1717.7	0.36						
984	ENSG00000206571	1726	0.36						
985	ENSG00000208437	1728.3	0.36						
989	ENSG00000209832	1737.2	0.36						
977	ENSG00000206121	1752.2	0.36						
1001	ENSG00000252493	1751.8	0.36						
1003	ENSG00000229871	1762.5	0.36						
1017	ENSG00000206141	1800.9	0.36	17	35391042	35391110			microRNA 2909
1022	ENSG00000202999	1808.8	0.36						
1053	ENSG00000204429	1849.2	0.36						
1113	ENSG00000205015	1936.8	0.36						
1122	ENSG00000202863	1948.8	0.36	18	29674467	29674569			Small nuclear RNA U13
1148	ENSG000002028061	1987.3	0.36						
1176	ENSG00000202807	2026.4	0.36	17	4017902	4018004			Small nuclear RNA U13
1192	ENSG00000202950	2024.3	0.36						
1310	ENSG00000202352	2202.8	0.36						
1380	ENSG00000258428	2317.4	0.36						
1400	ENSG00000202467	2428.7	0.36						
1483	ENSG00000202438	2437.1	0.36						
1503	ENSG00000271461	2438	0.36						
1600	ENSG00000202987	2627.8	0.36						
1637	ENSG00000251383	2612.2	0.36						
1639	ENSG00000202826	2614.2	0.36	1	101694220	101694321			Small nuclear RNA U13
1640	ENSG00000202914	2618.8	0.36						
1662	ENSG00000202790	2697.5	0.36						
1701	ENSG000002027875	2708.6	0.36						
1713	ENSG000002021689	2738	0.36						
1715	ENSG000002020152	2728.7	0.36						
1733	ENSG00000202332	2765	0.36						
1744	ENSG000002024837	2783.3	0.36						
1810	ENSG0000020259719	2898.9	0.36						
1837	ENSG000002027053	2927.9	0.36						
1844	ENSG000002025687	2928.8	0.36						
2066	ENSG00000254362	3248.3	0.36						
409	ENSG000002027039	347.4	0.35	antisense	21	48349986	48349993		ITGB2 antisense RNA 1
458	ENSG00000204685	1587.3	0.35	antisense	5	82927171	82927176		UCA1 antisense RNA 1
837	ENSG00000233013	1551.4	0.35	lincRNA	9	141109637	141143444		family with sequence similarity 157, member B
1563	ENSG00000198106	2508.1	0.35	lincRNA	16	29262829	29519817		sorting nexin 29 pseudogene 2
1607	ENSG00000205523	2095.9	0.35	miRNA	14	144264913	144264918		miR99a-3129
1620	ENSG00000211969	1426.3	0.35	misc. RNA	7	37474718	37474719		Y RNA
841	ENSG00000251728	1553.3	0.35	misc. RNA	7	139794497	139794592		Y RNA
869	ENSG000002026550	1601.9	0.35	misc. RNA	2	231371818	231372099		RNA 758, cytoplasmic 83A, pseudogene
954	ENSG00000204767	1710.3	0.35	misc. RNA	13	48743584	48743883		RNA 758, cytoplasmic 288, pseudogene
950	ENSG00000234568	1297.6	0.35	processed_pseudogene	4	83196224	83197753		bridging integrator 2 pseudogene 1
971	ENSG00000219085	1741.3	0.35	processed_pseudogene	6	70415179	70416052		nucleoside diphosphate kinase 2 pseudogene 37
1009	ENSG00000204908	2032.6	0.35	processed_pseudogene	20	34462396	34466655		HES1 tyrosine inducible domain family, member 1A pseudogene 16
1319	ENSG00000241738	2217.1	0.35	processed_pseudogene	3	101078136	101078986		zinc finger protein 90 pseudogene 1
1379	ENSG00000202696	2307.2	0.35	processed_pseudogene	6	2341884	2341980		high mobility group nucleosomal binding domain 2 pseudogene 28
1404	ENSG00000213205	2337.5	0.35	processed_pseudogene	7	15020947	15021027		STE20-related kinase adaptor beta pseudogene 1
1405	ENSG00000236564	2458.4	0.35	processed_pseudogene	2	99310572	99311963		WYHAQ pseudogene 5
1462	ENSG00000204907	2905.5	0.35	processed_pseudogene	8	74988117	74988862		ribosomal protein S3a pseudogene 32
387	ENSG00000154961	861.4	0.35	protein_coding	11	97113896	97117590		TBC1 domain family, member 10C 4
384	ENSG00000135838	910.8	0.35	protein_coding	1	182758428	18279519		N-acetylneuraminyl pyruvate lyase (dihydrodipicolinate synthase)
402	ENSG00000185905	934.8	0.35	protein_coding	16	29753784	29757327		chromosome 16 open reading frame 54
494	ENSG00000217658	1071.3	0.35	protein_coding	16	66589466	6660134		chromatin factor
514	ENSG00000137462	1103.3	0.35	protein_coding	4	154628252	154628851		tol-1ike receptor 2
522	ENSG00000188404	1119.9	0.35	protein_coding	1	16965808	16968039		selectin L
537	ENSG00000160704	1200.6	0.35	protein_coding	11	97113896	97117590		CD300 molecule-like family member 1
543	ENSG00000186517	1154.7	0.35	protein_coding	1	161016736	161039760		Rho GTPase activating protein 30
545	ENSG00000158985	1159	0.35	protein_coding	5	130581186	130734140		CD42 small effector 2
580	ENSG00000102291	1213	0.35	protein_coding	22	32817663	32819418		F-box protein 7
586	ENSG00000196954	1220.2	0.35	protein_coding	11	104813593	104840163		casease 4, apoptosis-related cysteine peptidase
594	ENSG00000185989	1236.5	0.35	protein_coding	13	114747194	114899086		RAS p21 protein activator 3
603	ENSG00000176701	1244.5	0.35	protein_coding	11	18358268	18359611		neurospiralin-like factor 2
606	ENSG00000163334	1251.8	0.35	protein_coding	1	157784193	157789895		Fc receptor-like 1
643	ENSG00000152495	1262.9	0.35	protein_coding	5	110589351	110630584		calcium/calmodulin-dependent protein kinase IV
662	ENSG00000186922	1320.5	0.35	protein_coding	13	74268158	74268162		Kras-like factor 12
677	ENSG00000202891	1336.6	0.35	protein_coding	19	7445850	7535131		Rho guanine nucleotide exchange factor 18
678	ENSG00000070190	1337	0.35	protein_coding	4	180737960	180793117		dual adaptor of phosphotyrosine and 3-phosphoserine
721	ENSG00000105313	1417.4	0.35	protein_coding	16	3382028	3382637		Mastinectin-like factor
731	ENSG00000158404	1426.5	0.35	protein_coding	16	7470753	7473458		inward kinase kinase domain-like
764	ENSG00000070770	1458.3	0.35	protein_coding	X	13193345	13192398		musclelike-like splicing regulator 3
770	ENSG00000101268	1460.7	0.35	protein_coding	1	11754382	11759167		CD101 molecule
793	ENSG00000204937	1492	0.35	protein_coding	5	70254310	70320941		NLR family, apoptosis inhibitor protein
817	ENSG00000158744	1520.9	0.35	protein_coding	2	20783841	20790394		family with sequence similarity 126, member B
820	ENSG00000186399	1529.8	0.35	protein_coding	2	2442373	2443363		intersectin 2
838	ENSG00000135655	1551.9	0.35	protein_coding	12	62654119	62811211		ubiquitin specific peptidase 15
871	ENSG00000168769	1604	0.35	protein_coding	4	106007032	106200973		tet methylcytosine dioxygenase 2
890	ENSG00000107290	1612.6	0.35	protein_coding	9	135180743	13523072		seriatin
943	ENSG00000151466	1697.5	0.35	protein_coding	2	129716793	13017494		sodium channel and clatter linker 1
1043	ENSG00000188897	2433.8	0.35	protein_coding	16	11453702	11671444		Protein LOC388210
1048	ENSG00000202896	1637.3	0.35	snRNA	8	14971022	14971063		Small nuclear RNA SNCRD112
833	ENSG00000202223	1540.7	0.35	snRNA	1	18479662	18479623		RNA, U7 small nuclear 13, pseudogene
907	ENSG00000252796	1650.4	0.35	snRNA	3	125538520	125538719		RNA, U6 small nuclear 1142, pseudogene
930	ENSG00000205971	1700.4	0.35	snRNA	3	13616926	13616925		RNA, U6 small nuclear 1284, pseudogene
974	ENSG00000205414	1743.8	0.35	snRNA	2	84889026	84890131		RNA, U7 small nuclear 100, pseudogene
976	ENSG00000211890	961.9	0.35	TR_j_gene	7	38309092	38309141		T cell receptor gamma joining 1
674	ENSG00000211691	1332.3	0.35	TR_j_gene	7	38313188	38313248		T cell receptor gamma joining 7
849	ENSG00000211861	1571.8	0.35	TR_j_gene	14	22984601	22984669		T cell receptor alpha joining 28
850	ENSG00000211855	1572	0.35	TR_j_gene	14	22978651	22978708		T cell receptor alpha joining 34
872	ENSG00000211877	1604.7	0.35	TR_j_gene	14	23000889	23000948		T cell receptor alpha joining 12
1678	ENSG000002029056	3110.5	0.35	transcribed_unprocessed_pseudogene	2	84977893	84978355		double homeobox A pseudogene 1
1365	ENSG00000171999	2220.5	0.35	untranscribed_pseudogene	11	4425523	4425507		olfactory receptor, family 52, subfamily P, member 2 pseudogene
1096	ENSG00000141439	1804.9	0.35	unprocessed_pseudogene	7	70713223	70713223		family with sequence similarity 18, member 13 pseudogene
1078	ENSG00000232254	2974.4	0.35	unprocessed_pseudogene	22	37346571	37349764		colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) pseudogene 1
528	ENSG00000236304	818.2	0.35						
598	ENSG00000136633	1093.9	0.35						
553	ENSG00000258810	1170.3	0.35		1	209690879	209762616		Ras association (RaDQSAF-6) domain family member 5
980	ENSG00000272477	1181.2	0.35						
787	ENSG00000202931	1447.1	0.35						
805	ENSG000002026300	1505.7	0.35						
840	ENSG00000202994	1521	0.35						
844	ENSG00000202926	1561	0.35						
858	ENSG000002028425	1581.5	0.35	18	2774872	2774981			Small nuclear RNA U13
882	ENSG000002028085	1591.1	0.35						
877	ENSG000002021847	1603.9	0.35	9	12048653	120493749			Small nuclear RNA 213nm52
882	ENSG00000163386	1613.9	0.35	1	14528972	14537003			neuroblastoma breakpoint family, member 10
885	ENSG00000271941	1615.7	0.35						
886	ENSG00000202859	1615.2	0.35						
892	ENSG000002028892	1624.4	0.35	11	60988379	60988487			Small nuclear RNA U13
898	ENSG00000202608	1638.8	0.35	1	150539040	150539336			RNA 758, cytoplasmic 473, pseudogene
938	ENSG00000202969	1689.3	0.35	6	13860312	13860373			RNA, U7 small nuclear 91 pseudogene
940	ENSG00000213410	1690.2	0.35						
942	ENSG00000202713	1692.6	0.35						
952	ENSG00000202688	1704.2	0.35						
962	ENSG00000202727	1718.9	0.35						
980	ENSG00000254263	1758.8	0.35						
983	ENSG00000206974	1762.8	0.35						
985	ENSG00000202666	1764.3	0.35						
1003	ENSG00000208705	1785.5	0.35						
1020	ENSG000002081471	1806.3	0.35						
1036	ENSG00000204149	1824.8	0.35						
1045	ENSG000002026314	1841.2	0.35	</					

1827	ENSG00000235910		2917.1	0.33	antisense	11	116706833	116729445	AP0A1 antisense RNA
2445	ENSG00000176371	FRY-AS1	3887.4	0.33	antisense	13	32558451	32559776	FRY antisense RNA 1
2481	ENSG00000229918	DOCK9-AS1	3884.4	0.33	antisense	13	99454338	99496583	DOCK9 antisense RNA 1
2880	ENSG00000234492	RPL3A-AS1	4154.3	0.33	lincRNA	4	109459346	109541616	RPL3A antisense RNA 1 (read to head)
1115	ENSG00000206195	MIR4312	1939.9	0.33	miRNA	15	69644189	69644189	miR4312
1168	ENSG00000206325	MIR4518	2011.7	0.33	miRNA	16	20515246	20515222	miR4518
1248	ENSG00000204653	MIR5194	2127.3	0.33	miRNA	8	131020580	131020699	miR5194
1344	ENSG00000204642	MIR3941	2262.3	0.33	miRNA	10	124176481	124176583	miR3941
1353	ENSG00000204645	MIR4844	2346.5	0.33	miRNA	16	170639849	170639832	miR4844
1137	ENSG00000207417		1971.1	0.33	misc_RNA	8	75289822	75289828	Y RNA
1281	ENSG00000207692		2766.0	0.33	misc_RNA	18	9259109	9259109	Y RNA
1319	ENSG00000204116		2298.4	0.33	misc_RNA	11	12851675	128537876	Y RNA
1897	ENSG00000204083		2100.0	0.33	misc_RNA	9	134605556	134600854	RNA_75c_cytoplasmic 326, pseudogene
1940	ENSG00000222764		2932.0	0.33	misc_RNA	6	141801278	141807549	RNA_75k_small nuclear pseudogene 106
2474	ENSG00000202162		3958.9	0.33	misc_RNA	11	13314755	13317670	RNA_75k_small nuclear pseudogene 151
1891	ENSG00000224852		1777.1	0.33	processed_pseudogene	2	143852358	143854124	MT-ND5 pseudogene 24
1309	ENSG00000224984	GK3P	2202.2	0.33	processed_pseudogene	4	186186844	186201175	glycerol kinase 3 pseudogene
1349	ENSG00000217336		2295.6	0.33	processed_pseudogene	6	118910253	118910797	SOX family pseudogene 10
1372	ENSG00000239351		2299.2	0.33	processed_pseudogene	3	149656784	149657586	nucleosiphonin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 29
4781	ENSG00000204293		2847.6	0.33	processed_pseudogene	17	30477452	30478523	arginine-45y homeobox pseudogene 2
2716	ENSG00000202319		4215.2	0.33	processed_pseudogene	12	128537876	128537876	Krippel-like factor 11 pseudogene 1
781	ENSG00000128465	RIPK3	962.3	0.33	protein_coding	14	24805227	24805221	receptor-interacting serine-threonine kinase 3
456	ENSG00000130755	GMFG	1003.9	0.33	protein_coding	19	39818993	39833012	gla maturation factor, gamma
912	ENSG00000104310	CHST2	1092.2	0.33	protein_coding	13	112016414	112021134	chromosome 1 open reading frame 162
567	ENSG00000158346	ADIPOR1	1195.0	0.33	protein_coding	1	202095951	202027700	adiponin receptor 1
601	ENSG00000185862	EV2B	1243.9	0.33	protein_coding	17	29630784	29641130	ectopic viral integration site 2B
810	ENSG00000122223	CD244	1403.8	0.33	protein_coding	1	160789590	160832892	CD244 molecule, natural killer cell receptor 2B4
722	ENSG00000131042	LILRB2	1414.1	0.33	protein_coding	19	54777875	54785039	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2
738	ENSG00000102343	CLM1A	1431.4	0.33	protein_coding	12	10028126	10028126	C-type lectin domain family 7, member A
745	ENSG00000091552	NLRP1	1434.4	0.33	protein_coding	17	5402747	5522744	NLR family, pyrin domain containing 1
787	ENSG00000148592	CREB5	1483.9	0.33	protein_coding	7	28339840	28385511	cAMP responsive element binding protein 5
789	ENSG00000118968	ZNF101	1483.9	0.33	protein_coding	19	19776025	19776025	zinc finger protein 101
795	ENSG00000093134		1493.0	0.33	protein_coding	6	133043928	133055004	zinc finger protein 641
809	ENSG00000167528	ZNF441	1511.9	0.33	protein_coding	12	48733791	48745197	zinc finger protein 441
816	ENSG00000020728	KOD1	1512.0	0.33	protein_coding	2	70134263	70134263	MAX dimerization protein 1
831	ENSG00000151948	GLT1D1	1541.8	0.33	protein_coding	12	129337972	129499509	glycosyltransferase 1 domain containing 1
863	ENSG00000162434	JAK1	1558.2	0.33	protein_coding	1	65298912	65421327	Janus kinase 1
865	ENSG00000153319	FAM88B	1558.8	0.33	protein_coding	8	13085189	131020376	family with sequence similarity 49, member B
866	ENSG00000154822	PLCL2	1558.8	0.33	protein_coding	3	16844159	17132088	phospholipase C-like 2
878	ENSG00000136496	PAPP9	1609.6	0.33	protein_coding	3	122248771	122283284	poly (ADP-ribose) polymerase family, member 9
898	ENSG00000186468	TOP11L2	1702.4	0.33	protein_coding	12	10689707	106874093	1 complex 11, testis-specific-like 2
948	ENSG00000137373	CASP5	1702.4	0.33	protein_coding	11	104884962	104893995	caspase 5, apoptosis-related cysteine peptidase
999	ENSG00000200268	PDE7A	1715.5	0.33	protein_coding	8	69682945	69734557	phosphodiesterase 7A
975	ENSG00000104726	BHRFL	1745.7	0.33	protein_coding	8	62640414	62693132	BCL2-interacting E1B 19kDa interacting protein 3-like
1031	ENSG00000030770	CR1	1822.2	0.33	protein_coding	6	207894962	207818992	complement component 3 (CR3) receptor 1 (Kruppel blood group)
1110	ENSG00000140199	SLC12A6	1930.9	0.33	protein_coding	15	34525460	34530261	solute carrier family 12 (potassium/chloride transporter), member 6
1130	ENSG00000185278	ZBTB37	1962.2	0.33	protein_coding	11	17380220	173872687	zinc finger and BTB domain containing 37
1152	ENSG00000104931	YPS8	1962.0	0.33	protein_coding	3	184529931	184774032	vacuolar protein sorting 8 homolog (D. cerevisiae)
1159	ENSG00000170776	AKAP13	1965.5	0.33	protein_coding	15	65923802	66292586	A kinase (PKA) anchor protein 13
1180	ENSG00000119397	CHTR1	1965.4	0.33	protein_coding	9	12363141	123693988	chordin
1256	ENSG00000091891	IL2RA	2112.8	0.33	protein_coding	3	3111233	3184907	interleukin 2 receptor, alpha
1256	ENSG00000204767	FAM196B	2133.5	0.33	protein_coding	5	168291268	168407744	family with sequence similarity 196, member B
1264	ENSG00000039515	RYR3	2141.1	0.33	protein_coding	6	84463932	84471743	cytochrome b5 reductase 4
1426	ENSG00000165246	TOP11L3	2124.4	0.33	protein_coding	12	23170261	232157018	disrupted in schizophrenia 1
1877	ENSG00000128071	OR2A1	2973.8	0.33	protein_coding	7	143929004	143929936	olfactory receptor, family 2, subfamily A, member 42
1882	ENSG00000135407	AVIL	3141.4	0.33	protein_coding	12	98191159	98212487	advinin
2003	ENSG00000149688	C12orf105	3140.2	0.33	protein_coding	10	72471658	72487981	chromosome 10 open reading frame 105
2182	ENSG00000437372	KIR2DL3	3409.6	0.33	protein_coding	19	55249890	55256776	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3
2462	ENSG00000255552	SEB9	3588.9	0.33	protein_coding	8	31679548	31681842	lymphocyte antigen 6 complex, locus G5E (pseudogene)
2429	ENSG00000185107	EYS	3754.3	0.33	protein_coding	12	64428675	66417118	eyes shut homolog (Drosophila)
2459	ENSG00000218555	TAS2R41	3841.9	0.33	protein_coding	7	143174966	143175889	taste receptor, type 2, member 41
2893	ENSG00000114841	DNAH1	4027.1	0.33	protein_coding	3	52330335	52434507	dynam, axonemal, heavy chain 1
2959	ENSG00000100988		4153.3	0.33	protein_coding	1	20964448	209671091	chromosome 1 open reading frame 147
197	ENSG00000200985		2589.5	0.33	rRNA	22	22146723	22146813	RNA, 5S ribosomal pseudogene 493
2096	ENSG00000212487		3289.9	0.33	sense_intronic	13	114873044	114874295	RASA3 intronic transcript 1 (non-protein coding)
1966	ENSG00000213442		1864.3	0.33	snRNA	1	202404438	202406555	Small nuclear RNA SNORD470
2405	ENSG00000238372		3610.2	0.33	snRNA	8	102894844	102895888	Small nuclear RNA U13
937	ENSG00000202699		1701.7	0.33	snRNA	4	48109096	48109205	RNA, US small nuclear R38, pseudogene
1146	ENSG00000212988	RNU6-BIP	1829.9	0.33	snRNA	13	99677488	99677599	RNA, US small nuclear R3, pseudogene
1161	ENSG00000200665		2002.8	0.33	snRNA	12	116520375	116520481	RNA, US small nuclear R18B, pseudogene
540	ENSG0000011859		1143.5	0.33	TR_L_gene	14	22981834	22981890	T cell receptor alpha chain 30
1028	ENSG00000202924		2177.1	0.33	TR_L_gene	13	2295142	2295142	T cell receptor alpha chain 51 (pseudogene)
754	ENSG00000111750		1443.5	0.33	TR_V_gene	7	142384158	142384710	T cell receptor beta variable 241
2295	ENSG00000117988		3580.4	0.33	TR_V_gene	14	22471345	22471912	T cell receptor alpha variable 18
336	ENSG00000233614	DNF1L10	825.1	0.33	transcribed_unprocessed_pseu_dogene	16	61553	64993	DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11 like 10
2576	ENSG00000159904	ZNF890P	3984.1	0.33	transcribed_unprocessed_pseu_dogene	7	5160870	5184177	zinc finger protein 890, pseudogene
1411	ENSG00000447003		2348.8	0.33	unprocessed_pseudogene	1	207819579	207830755	CD48 molecule, complement regulatory protein pseudogene 1
2816	ENSG00000198712		4069.0	0.33	unprocessed_pseudogene	9	107484616	107485552	olfactory receptor, family 13, subfamily D, member 3 pseudogene
212	ENSG00000211099		672.9	0.33	antisense	3			
626	ENSG00000255723		1270.3	0.33	antisense	3			
633	ENSG00000206359		1279.4	0.33	antisense	3			
983	ENSG00000225529		1319.2	0.33	antisense	3			
717	ENSG00000213071		1409.1	0.33	antisense	3			
912	ENSG00000226476		1655.2	0.33	antisense	3			
981	ENSG00000234940		1760.5	0.33	antisense	3	122469219	122469222	Small nuclear RNA U13
1002	ENSG00000204544		1782.1	0.33	antisense	3			
1042	ENSG00000251875		1835.4	0.33	antisense	3			
1085	ENSG00000261637		1865.9	0.33	antisense	3			
1085	ENSG00000261346		1868.4	0.33	antisense	3			
1121	ENSG00000251834		1947.5	0.33	antisense	3			
1143	ENSG00000217195		1978.2	0.33	antisense	3			
1174	ENSG00000204584		2027.4	0.33	antisense	1	150541449	150541745	RNA_75c_cytoplasmic 800, pseudogene
1197	ENSG00000225118		2057.3	0.33	antisense	3			
1214	ENSG00000217627		2078.8	0.33	antisense	3			
1216	ENSG00000205910		2099.0	0.33	antisense	3			
1238	ENSG00000254865		2111.0	0.33	antisense	3			
1242	ENSG00000204463		2116.5	0.33	antisense	3			
1292	ENSG00000202931		2111.6	0.33	antisense	3			
1278	ENSG00000238350		2160.0	0.33	antisense	3	47507839	47507938	Small nuclear RNA U13
1284	ENSG00000226107		2170.0	0.33	antisense	3			
1301	ENSG00000256274		2171.7	0.33	antisense	3			
1305	ENSG00000244730</								

1420	ENSG00000203542	MIR4802	23567	0.32	miRNA	4	40504057	40504136	miRNA4802
1481	ENSG00000203518	MIR645	28613	0.32	miRNA	20	49292223	49292316	miRNA481
1481	ENSG00000203538	MIR4688	29473	0.32	miRNA	12	47581595	47581674	miRNA4688
1218	ENSG000002040723		20822	0.32	misc_RNA	4	140021531	140021810	RNA_75L_cytosplasmic_382_pseudogene
1269	ENSG00000202796	LCK	21485	0.32	misc_RNA	10	76311150	76311261	Y RNA
1442	ENSG00000203683	L1TB	9903	0.32	misc_RNA	18	8249741	8249741	RNA
1447	ENSG000002040955		24429	0.32	misc_RNA	8	56892301	56892309	RNA_75L_cytosplasmic_756_pseudogene
1547	ENSG000002045911		24586	0.32	misc_RNA	8	115034876	115035111	RNA_75L_cytosplasmic_430_pseudogene
1245	ENSG00000204256		2998	0.32	misc_RNA	9	115005182	115005191	RNA_75L_cytosplasmic_57_pseudogene
2083	ENSG00000198730		34895	0.32	misc_RNA	15	58986051	58986153	RNA_75K_small_nuclear_pseudogene_95
2312	ENSG000002026617		36537	0.32	misc_RNA	13	74863237	74863351	RNA_Ro-associated_Y1_pseudogene 5
1188	ENSG000002030482		20514	0.32	processed_pseudogene	2	198127835	198128259	ATP synthase, H+ transporting, mitochondrial F ₀ complex, subunit C2 (subunit 9) pseudogene 2
1249	ENSG00000207135		21272	0.32	processed_pseudogene	10	31207941	31210164	DEAD (Asp-Glu-Ala-Glu) box polypeptide 10 pseudogene 1
2922	ENSG00000203431		39123	0.32	processed_pseudogene	13	100000355	100001316	chromatin (C-C motif) receptor 12_pseudogene
1132	ENSG000002026528	LOC101929008	19675	0.32	processed_transcript	16	90168679	90244752	family with sequence similarity 157, member C
410	ENSG00000182866	LCK	9484	0.32	protein_coding	1	32718840	32731708	lymphocyte-specific protein tyrosine kinase
447	ENSG00000182737	L1TB	9903	0.32	protein_coding	6	31548302	31550209	lymphoblast beta (TMF superfamily, member 3)
516	ENSG00000162747	FCGR3B	11064	0.32	protein_coding	1	161592866	161601753	Fc fragment of IgG ₁ low affinity IIB receptor (CD16b)
547	ENSG00000204475	NCR3	11612	0.32	protein_coding	6	31546672	31560702	natural cytotoxicity triggering receptor 3
982	ENSG00000204455	L3T1	11928	0.32	protein_coding	6	31553901	31566596	lysozyme specific transcript 1
609	ENSG00000168895	SIGLEC7	1255	0.32	protein_coding	19	51645556	51666783	sialic acid binding Ig-like lectin 7
820	ENSG00000126860	EV2A	12672	0.32	protein_coding	17	29844578	29849802	ectopic viral integration site 2A
624	ENSG00000103778	TNFAIP8	12955	0.32	protein_coding	5	119801307	119725383	tumor necrosis factor, alpha-induced protein 8
840	ENSG00000122188	LXN1	12965	0.32	protein_coding	1	203734304	203745361	lymphocyte transmembrane adaptor 1
784	ENSG00000178789	CD303L	13215	0.32	protein_coding	17	72517313	72527373	CD300 molecule-like family member B
885	ENSG00000192986	CARD11	13518	0.32	protein_coding	7	2943775	2950279	cardigan recruitment domain family member 11
928	ENSG00000204161	C10orf128	14212	0.32	protein_coding	10	50362773	50366630	chromosome 10 open reading frame 128
748	ENSG00000132108	TRIM21	14339	0.32	protein_coding	11	4406127	4414928	tripartite motif containing 21
756	ENSG00000171688	PNKD2	14503	0.32	protein_coding	9	971133	971332	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta
786	ENSG00000173363	HPSE	14530	0.32	protein_coding	4	84213614	84256306	heparanase
775	ENSG00000162892	IL24	14674	0.32	protein_coding	1	207070788	20707484	interleukin 24
786	ENSG00000101338	HCK	14688	0.32	protein_coding	20	100000355	100001316	hemopoietic cell kinase
791	ENSG00000159496	RGL4	14970	0.32	protein_coding	22	24030323	24041363	rat guanine nucleotide dissociation stimulator-like 4
807	ENSG00000134242	PTPRN2	1509	0.32	protein_coding	1	114356433	114414381	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)
819	ENSG00000206951	FOXP1	15225	0.32	protein_coding	16	8017648	8018238	forkhead box P1
829	ENSG00000127334	DYRK2	15373	0.32	protein_coding	12	69042118	69059186	dual-specific tyrosine-Y1-phosphorylation regulated kinase 2
876	ENSG00000182022	CHST15	16038	0.32	protein_coding	10	12578784	12585326	carbohydrate (N-acetylglucosamine 4-sulfate 6-O) sulfotransferase 15
895	ENSG00000181201	NO2D	16075	0.32	protein_coding	16	6072714	6073695	nucleotide-binding oligomerization domain containing 2
965	ENSG00000196789	MEGF9	17294	0.32	protein_coding	9	123363051	123479748	multiple EGF-like domains 9
1010	ENSG00000132274	TRIM22	17854	0.32	protein_coding	11	5719819	5783539	tripartite motif containing 22
1051	ENSG00000146861	FOXP1	18468	0.32	protein_coding	3	71059484	71061407	forkhead box P1
1060	ENSG00000147894	CSRF2	18549	0.32	protein_coding	9	27546544	27573864	chromosome 9 open reading frame 72
1074	ENSG00000079263	SP140	18777	0.32	protein_coding	2	231007626	231223762	SP140 nuclear body protein
1082	ENSG00000066960	CLEC2B	19652	0.32	protein_coding	16	101632240	10171216	C-type lectin domain family 12, member B
1144	ENSG00000131018	SYNE1	19724	0.32	protein_coding	14	153484915	153495836	spectrin repeat containing nuclear envelope 1
1167	ENSG00000100485	SOS2	19828	0.32	protein_coding	14	50583847	50688726	son of sevenless homolog 2 (Drosophila)
1163	ENSG00000125772	GPCPC1	20034	0.32	protein_coding	20	55253957	55261672	glycerophosphocholine phosphodiesterase GDE1 homolog (S. cerevisiae)
1170	ENSG00000204048	UBR1	20061	0.32	protein_coding	40	62511800	62591742	ubiquitin protein ligase E3 component n1 receptor 2
1212	ENSG00000119321	FKBP15	20218	0.32	protein_coding	9	115923286	115983441	FK506 binding protein 15, 133kDa
1170	ENSG00000198256	MCR3	20716	0.32	protein_coding	21	37164487	37168446	MCR3 family C1V-type zinc finger 3
1241	ENSG00000195339	DENDN3	21143	0.32	protein_coding	12	142127377	142204907	GENMAP40 domain containing 3
1301	ENSG00000126566	TEP1	21905	0.32	protein_coding	14	20833826	20881589	telomerase-associated protein 1
1330	ENSG00000193731	PKNO	22453	0.32	protein_coding	14	71374122	71382099	pacemake homolog (Drosophila)
1374	ENSG00000195442	KIAA2011	23042	0.32	protein_coding	3	113812322	113815493	KIAA2011
1446	ENSG00000228804		23639	0.32	protein_coding	3	187420101	187451637	Uncharacterized protein
1484	ENSG00000198482	ZNF808	24447	0.32	protein_coding	19	53039995	53067717	zinc finger protein 808
1484	ENSG00000198482	CLEC4E	24447	0.32	protein_coding	7	71038775	71047132	C-type lectin domain family 4, member F
2801	ENSG00000168260	C14orf183	40409	0.32	protein_coding	14	50550369	50559187	chromosome 14 open reading frame 183
2873	ENSG00000176358	TMC4	4133	0.32	protein_coding	17	47915871	47925379	tympanic membrane protein 4
2708	ENSG00000142541	CCN1	42601	0.32	protein_coding	7	5918458	5926963	cyberin
2754	ENSG00000104870		42787	0.32	protein_coding	19	55043909	55057073	killer cell immunoglobulin-like receptor, three domains, X1
2788	ENSG00000206199	ANKUB1	4329	0.32	protein_coding	3	14547882	14588782	ankyrin repeat and ubiquitin domain containing 1
2796	ENSG00000161946	TTC18	4359	0.32	protein_coding	9	13047345	13049378	tetrapeptide repeat domain 16
1810	ENSG00000228962		21641	0.32	sense_intronic	2	39218420	39220988	SOS1 intronic transcript 1 (non-protein coding)
1627	ENSG00000242094		25951	0.32	sense_intronic	3	71619406	71623908	FOXPT1 intronic transcript 1 (non-protein coding)
1633	ENSG00000246335		25955	0.32	sense_intronic	4	12784405	12786144	RC3H1 intronic transcript 1 (non-protein coding)
1200	ENSG00000252635	SCARNA21	20645	0.32	snRNA	17	7808440	7809578	small Cajal body-specific RNA 21
1383	ENSG00000203929	TMC4	23111	0.32	snRNA	17	28210024	28210127	Small nuclear RNA U13
1540	ENSG00000206878		23448	0.32	snRNA	18	39411	39411	Small nuclear RNA SNORD27
1745	ENSG00000252443		27845	0.32	snRNA	16	69818897	69820016	Small nuclear RNA SNORD62/SNORD61 family
1984	ENSG00000252274		31388	0.32	snRNA	17	70814975	70815111	Small Cajal body specific RNA 24
1513	ENSG00000252528		34623	0.32	snRNA	18	54624591	54624689	Small nuclear RNA U13
1154	ENSG00000200974		19887	0.32	snRNA	4	166173752	166173813	RNA, U4 small nuclear, 87_pseudogene
1133	ENSG00000252377		19931	0.32	snRNA	X	51613882	51613905	RNA, U4 small nuclear, 504_pseudogene
1196	ENSG00000252377		19931	0.32	snRNA	12	6272783	6272798	RNA, U6 small nuclear, 595_pseudogene
1221	ENSG00000207455		20912	0.32	snRNA	22	30295576	30295682	RNA, U6 small nuclear, 331_pseudogene
1286	ENSG00000201444		21728	0.32	snRNA	9	120470274	120470380	RNA, U6 small nuclear, 1082_pseudogene
1286	ENSG00000206883		21738	0.32	snRNA	18	2173434	2173438	RNA, U5A small nuclear, 6_pseudogene
1318	ENSG00000202227		22159	0.32	snRNA	2	48729061	48729163	RNA, U6 small nuclear, 282_pseudogene
1923	ENSG00000202985		22203	0.32	snRNA	2	39309730	39309833	RNA, U6 small nuclear, 198_pseudogene
1320	ENSG00000202172		22348	0.32	snRNA	3	14963749	14963839	RNA, U6 small nuclear, 720_pseudogene
1374	ENSG00000214359		23032	0.32	snRNA	12	800299	800424	RNA, U4atac small nuclear, 16_pseudogene
1432	ENSG00000210435		23728	0.32	snRNA	12	96997153	96997291	RNA, U4 small nuclear, 24_pseudogene
1444	ENSG00000202260	RNU6-5P	2396	0.32	snRNA	13	41928993	41929795	RNA, U6 small nuclear, 57_pseudogene
1455	ENSG00000199874		24008	0.32	snRNA	2	2625544	2625550	RNA, U6 small nuclear, 142_pseudogene
1493	ENSG00000202612		28713	0.32	TR_V_pseudogene	7	38380301	38380599	T cell receptor gamma variable 6 (pseudogene)
2518	ENSG000002042736		39655	0.32	TR_V_pseudogene	7	141999017	141999300	T cell receptor beta variable T (pseudogene)
2033	ENSG000002033362	NKAPP1	39723	0.32	transcribed_processed_pseudo_gene	X	119254863	119279122	NFKB activating protein pseudogene 1
2067	ENSG000002058151		44485	0.32	transcribed_processed_pseudo_gene	14	89756549	89757308	CAP, adenylate cyclase-associated protein, 2 (yeast) pseudogene 1
1188	ENSG000002033448		17945	0.32	transcribed_unprocessed_pseudo_gene	7	76689261	76673093	postmitotic segregation increased 2 pseudogene 9
2885	ENSG000002034066		4471	0.32	unitary_pseudogene	7	143134127	143135068	taste receptor, type 2, member 82, pseudogene
2416	ENSG000002028915		37842	0.32	unprocessed_pseudogene	11	71604456	71605479	olfactory receptor, family 7, subfamily E, member 128 pseudogene
736	ENSG000002029151		14929	0.32	unprocessed_pseudogene	11	58853780	58862259	glycine-N-acetyltransferase like 1_pseudogene 3
2771	ENSG00000202756		43073	0.32	unprocessed_pseudogene	20	1462929	1462949	signal-regulatory protein beta 3_pseudogene
736	ENSG000002029151		14929	0.32	unprocessed_pseudogene	20	1462929	1462949	signal-regulatory protein beta 3_pseudogene
851	ENSG000002029370		15722	0.32	unprocessed_pseudogene	20	1462929	1462949	signal-regulatory protein beta 3_pseudogene
499	ENSG00000217122		23295	0.32					

1459	ENSG000002035944		2408.1	0.31	transcribed_unprocessed_pseudogene	7	5862791	5804006	zinc finger protein 815, pseudogene
1873	ENSG000002050299		2970.4	0.31	transcribed_unprocessed_pseudogene	13	53191693	53211581	mitochondrial ribosomal protein S31 pseudogene 4
2195	ENSG00000243064	ABCL13	3432.2	0.31	transcribed_unprocessed_pseudogene	21	15605627	15735705	ATP-binding cassette, sub-family C (CFTR/MRP), member 13, pseudogene
2793	ENSG00000213071	LPAL2	4333.3	0.31	transcribed_unprocessed_pseudogene	6	16087460	160932156	lipoprotein, Lp(a)-like 2, pseudogene
3052	ENSG00000175800		4773.5	0.31	unitary_pseudogene	11	4399512	4400547	olfactory receptor, family E2, subfamily B, member 3 pseudogene
3271	ENSG00000254750		4240.2	0.31	unprocessed_pseudogene	11	104934072	104942286	casease 1, apoptosis-related cysteine peptidase pseudogene 2
2780	ENSG00000226616		4291.3	0.31	unprocessed_pseudogene	11	4536196	4537164	olfactory receptor, family E2, subfamily M, member 2 pseudogene
2912	ENSG00000249454		4523.7	0.31	unprocessed_pseudogene	5	54368843	54362381	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3) pseudogene 1
3010	ENSG00000255536	OR10V2P	4671.4	0.31	unprocessed_pseudogene	11	59516264	59517047	olfactory receptor, family 10, subfamily V, member 2 pseudogene
504	ENSG00000117289	TNP1	1929.8	0.31		1	145438469	145442635	threonine interacting protein
752	ENSG000002081971		1443.3	0.31					
1013	ENSG00000208544		1796.7	0.31					
1020	ENSG00000154466		1804.4	0.31					
1046	ENSG00000256907	IKBKE	1843.8	0.31		1	206643791	206870223	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
1081	ENSG00000239552		1861.1	0.31		2	44466707	44466800	Small nuclear RNA U13
1089	ENSG00000231730		1901.5	0.31					
1125	ENSG00000236526		1953	0.31					
1138	ENSG00000215979		1972.8	0.31					
1236	ENSG00000201911		2184.4	0.31					
1261	ENSG00000285589		2198.1	0.31					
1285	ENSG00000251861		2143.3	0.31					
1322	ENSG00000207310		2165.3	0.31					
1334	ENSG00000203827	NBP16	2242.4	0.31		16	11561457	11561585	Small nuclear RNA U13
1339	ENSG00000225313		2250	0.31		1	148738443	148758311	neuroblastoma breakpoint family, member 16
1377	ENSG00000205168		2326	0.31					
1447	ENSG00000214239		2449.2	0.31		6	159047471	159049322	Uncharacterized protein
1501	ENSG00000257621		2453.2	0.31					
1510	ENSG00000231172		2468.8	0.31					
1515	ENSG00000251309		2470.8	0.31					
1532	ENSG00000241772		2483.6	0.31					
1535	ENSG00000231558		2485.5	0.31					
1566	ENSG000002054924		2530.9	0.31		9	5077163	5084580	Uncharacterized protein
1567	ENSG00000206033		2531.1	0.31					
1571	ENSG00000206888		2537.3	0.31					
1628	ENSG00000270562		2606.5	0.31		17	44204762	44204817	RNA, U7 small nuclear 101 pseudogene
1688	ENSG00000233651		2685	0.31					
1768	ENSG00000205073		2824	0.31					
1767	ENSG00000259862		2827.2	0.31					
1779	ENSG00000226874		2847	0.31					
1801	ENSG00000207549		2862	0.31					
1803	ENSG00000207971		2864	0.31					
1830	ENSG00000209227		2918.8	0.31					
1872	ENSG00000204734		2970	0.31					
1881	ENSG00000204674		3062.9	0.31					
2081	ENSG00000228242		3263.7	0.31					
2084	ENSG00000212445		3265.6	0.31					
2145	ENSG00000244332		3327	0.31					
2221	ENSG000002066049		3468.8	0.31					
2224	ENSG000002017641		3471.5	0.31					
2349	ENSG00000217993		3521.2	0.31					
2364	ENSG00000238339		3539.2	0.31		2	179992063	179993384	Small nuclear RNA U13
2472	ENSG00000204467		3560	0.31					
2497	ENSG00000205810		3684.4	0.31					
2361	ENSG00000270890		3682.8	0.31					
2374	ENSG00000208274		3720.6	0.31					
2392	ENSG00000202384		3735.3	0.31					
2470	ENSG00000270557		3857.3	0.31					
2472	ENSG00000249962		3858.4	0.31					
2547	ENSG00000202672		3885.3	0.31					
2567	ENSG00000238012		3981.4	0.31					
2568	ENSG00000232754		3981.5	0.31					
2622	ENSG00000217111		4091.8	0.31					
2631	ENSG00000222596		4072.8	0.31					
2657	ENSG000002053112		4107.8	0.31					
2684	ENSG00000204609		4173.3	0.31					
2736	ENSG00000272839		4251.8	0.31					
2805	ENSG00000238799		4352.7	0.31		17	59039151	59039254	Small nuclear RNA U13
2822	ENSG00000205655		4358.5	0.31					
2838	ENSG00000229963		4401.4	0.31					
2849	ENSG00000223522		4415.6	0.31					
2879	ENSG00000205138		4454.3	0.31					
2883	ENSG00000238795		4489.5	0.31					
2906	ENSG00000248340		4508.7	0.31					
2907	ENSG00000205233		4510.7	0.31					
2908	ENSG00000224857		4516.9	0.31					
2936	ENSG00000232915		4570	0.31					
2966	ENSG00000205600		4617.5	0.31					
3018	ENSG00000254246		4707.3	0.31					
3023	ENSG00000272568		4721.4	0.31					
3026	ENSG00000204175		4723.6	0.31					
3027	ENSG00000233263		4724.3	0.31					
3048	ENSG00000235862		4762.8	0.31					
3071	ENSG00000251495		4761.7	0.31					
3084	ENSG00000204818		4814	0.31					
3160	ENSG00000255796		4953.5	0.31					
3186	ENSG00000207215		5055.5	0.31					
1460	ENSG00000209752	PSMD5-AS1	2412.3	0.3	antisense	9	123897106	123816651	PSMD5 antisense RNA 1 (head to head)
2088	ENSG00000245148		3273.3	0.3	antisense	11	72411519	724116652	ARAF1 antisense RNA 2
3339	ENSG00000204192		5252.4	0.3	antisense	5	81388874	81388921	ATG10 antisense RNA 1
3110	ENSG00000177566		4861.1	0.3	lincRNA	15	74987084	74987052	Uncharacterized protein
1524	ENSG000002021493	MIR320C1	2121.1	0.3	miRNA	18	19263471	19263558	miR320C1
1524	ENSG000002017997	MIR644A	2476.3	0.3	miRNA	20	33054120	33054223	miR644A
1660	ENSG00000201750	MIR523	2907.6	0.3	miRNA	15	100746707	100746804	miR523
1801	ENSG00000207963	MIR613	4312.0	0.3	miRNA	12	12917563	12917677	miR613
3036	ENSG00000205517	MIR4715	4778	0.3	miRNA	15	26093994	26093972	miR4715
1384	ENSG000002021918		2311.4	0.3	misc. RNA	907	10411	90711225	RNA, 75S small nuclear pseudogene 110
1631	ENSG000002022112		2608.1	0.3	misc. RNA	167	33802167	33802465	RNA, 75S small nuclear pseudogene 116
1917	ENSG000002032996		2977.9	0.3	misc. RNA	9	3452305	34491181	Uncharacterized protein
1756	ENSG00000201647		2613.3	0.3	misc. RNA	11	10810203	10810331	RNA, 75S small nuclear pseudogene 119
1890	ENSG000002042330		3027	0.3	misc. RNA	14	71915406	71915673	RNA, 75S, cytoplasmic 883, pseudogene
1940	ENSG000002021114		3087.9	0.3	misc. RNA	1	115033346	115033346	Y RNA
2198	ENSG000002043959		3439	0.3	misc. RNA	5	619574436	619574727	RNA, 75S, cytoplasmic 884, pseudogene
2493	ENSG00000242851		4188.4	0.3	misc. RNA	18	9839329	9839304	RNA, 75S, cytoplasmic 882, pseudogene
2813	ENSG000002043254		4057.2	0.3	misc. RNA	8	100628014	100628306	RNA, 75S, cytoplasmic 850, pseudogene
2890	ENSG00000202681		4188.4	0.3	misc. RNA	18	9839329	9839304	RNA, 75S, cytoplasmic 882, pseudogene
1460	ENSG000002045148	PSMD5-AS1	2412.3	0.3	antisense	9	123897106	123816651	PSMD5 antisense RNA 1 (head to head)
2088	ENSG00000245148		3273.3	0.3	antisense	11	72411519	724116652	ARAF1 antisense RNA 2
3339	ENSG00000204192		5252.4	0.3	antisense	5	81388874	81388921	ATG10 antisense RNA 1
3110	ENSG00000177566		4861.1	0.3	lincRNA	15	74987084	74987052	Uncharacterized protein
1524	ENSG000002021493	MIR320C1	2121.1	0.3	miRNA	18	19263471	19263558	miR320C1
1524	ENSG000002017997	MIR644A	2476.3	0.3	miRNA	20	33054120	33054223	miR644A
1660	ENSG00000201750	MIR523	2907.6	0.3	miRNA	15	100746707	100746804	miR523
1801	ENSG00000207963	MIR613	4312.0	0.3	miRNA	12	12917563	12917677	miR613
3036	ENSG00000205517	MIR4715	4778	0.3	miRNA	15	26093994	26093972	miR4715
1384	ENSG000002021918		2311.4	0.3	misc. RNA	907	10411	90711225	RNA, 75S small nuclear pseudogene 110
1631	ENSG000002022112		2608.1	0.3	misc. RNA	167	33802167	33802465	RNA, 75S small nuclear pseudogene 116
1917	ENSG000002032996		2977.9	0.3	misc. RNA	9	3452305	34491181	Uncharacterized protein
1756	ENSG00000201647		2613.3	0					

1302	ENSG00000189180	ZNF33A	2191.3	0.3	protein_coding	10	3629766	38354016	zinc finger protein 33A
1304	ENSG00000190693	ATP11B	227.7	0.3	protein_coding	7	18261238	19259823	ATPase class VI, type 11B
1350	ENSG00000184364	MAML2	2268.9	0.3	protein_coding	11	9570972	9670344	mastermind like 2 (Drosophila)
1356	ENSG00000181381	DDX60L	2275.9	0.3	protein_coding	4	16927786	169458937	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like
1371	ENSG00000185181	CtBP2	2292.2	0.3	protein_coding	9	11446780	114657288	chromosome 9 open reading frame 84
1401	ENSG00000145421	LNS	2317.3	0.3	protein_coding	15	10199574	101143435	lens homology (Drosophila)
1431	ENSG00000175073	VCPBP1	2367.7	0.3	protein_coding	8	67540722	67794552	valosin containing protein (vcp)jip47 complex interacting protein 1
1486	ENSG00000186203		2440	0.3	protein_coding	16	24849010	24917320	Uncharacterized protein
1514	ENSG00000190386	NCOA2	2470.0	0.3	protein_coding	14	88118654	88263182	nuclear receptor coactivator 2
1516	ENSG00000219528	IRF9	2527.4	0.3	protein_coding	14	24630262	24636774	interferon regulatory factor 9
1572	ENSG00000175987	DDX6	2537.2	0.3	protein_coding	11	11660304	116661658	DEAD (Asp-Glu-Ala-Asp) box helicase 6
1616	ENSG00000182424	NFATC3	2563.0	0.3	protein_coding	16	88118654	88263182	nuclear factor of activated T cells, cytosolic, calcineurin-dependent 3
1650	ENSG00000136951	KIAA1033	2639.1	0.3	protein_coding	12	105501102	105562912	KIAA1033
1669	ENSG00000257242	C12orf79	2667.6	0.3	protein_coding	12	92378196	92386890	chromosome 12 open reading frame 79
1676	ENSG00000151706	SMC1	2672.8	0.3	protein_coding	16	16818175	16837778	SMC1 phosphatidylinositol 3-kinase-related kinase
1680	ENSG00000124768	ATXN1	2696	0.3	protein_coding	6	16239343	16781722	ataxin 1
1680	ENSG00000185286	BHW03	2697.6	0.3	protein_coding	X	79626353	80095187	bromodomain and WD repeat domain containing 3
1706	ENSG00000179460	SRGAP3	2716.7	0.3	protein_coding	1	9712668	9714644	chromosome 1 open reading frame 200
1756	ENSG00000173889	PRC3	2802.3	0.3	protein_coding	3	166804520	166899537	polyhemic homolog 3 (Drosophila)
2026	ENSG00000203737	GPR12	3184.8	0.3	protein_coding	1	174417212	174416683	G protein-coupled receptor 52
2512	ENSG00000214244	LY566F	3955.5	0.3	protein_coding	6	17021969	17025981	lymphocyte antigen 5 complex, locus G6F
2913	ENSG00000205018	CD30LD	4324	0.3	protein_coding	16	89008197	89017932	Uncharacterized protein, cDNA FL20728 fs, clone PNC06635
3074	ENSG00000204345	CD30LD	4797.5	0.3	protein_coding	17	75715504	7258422	CD300 molecule-like family member d
3295	ENSG00000205652	OR10C2	5111.1	0.3	protein_coding	14	2211092	2211098	olfactory receptor, family 10, subfamily C, member 2
3409	ENSG00000231777		2347.9	0.3	rRNA	13	10895350	10895379	RNA, SS ribosomal pseudogene 39
3474	ENSG00000212242		3078	0.3	rRNA	8	136951381	136951483	RNA, SS ribosomal pseudogene 219
3929	ENSG00000202248		1704.6	0.3	rRNA	6	3089201	3089261	RNA, SS ribosomal pseudogene 201
1912	ENSG00000228485	GRK5-IT1	3368	0.3	sense_intronic	10	12098043	120971272	GRK5 intronic transcript 1 (non-protein coding)
1925	ENSG00000204293		4178.3	0.3	sense_intronic	21	30968367	30972708	BACH1 intronic transcript 3 (non-protein coding)
2696	ENSG00000201113	snRNA	174.2	0.3	snRNA	7	3743203	3743670	Small nuclear RNA SNORA51
2760	ENSG00000252719	snRNA	2813.9	0.3	snRNA	X	138952063	138962193	Small nuclear RNA SNORA18
1845	ENSG00000252047	snRNA	2942.6	0.3	snRNA	1	150573015	150573135	Small nuclear RNA SNORA60
1936	ENSG00000202056	snRNA	3111.8	0.3	snRNA	15	101100881	101100909	RNA, US small nuclear 181, pseudogene
1883	ENSG00000252549	snRNA	2981.0	0.3	snRNA	20	34235250	34235250	RNA, US small nuclear 759, pseudogene
2776	ENSG00000228523	snRNA	4307.2	0.3	snRNA	10	5230412	5230472	RNA, U7 small nuclear 107, pseudogene
2963	ENSG00000212248	snRNA	4603.8	0.3	snRNA	2	203884362	203884466	RNA, US small nuclear 365, pseudogene
3075	ENSG00000211753	TR_V_gene	7721.1	0.3	TR_V_gene	7	14242844	14242894	T cell receptor beta variable 28
2868	ENSG00000211717	TR_V_gene	4450.5	0.3	TR_V_gene	7	142231573	142232090	T cell receptor beta variable 10 (genepseudogene)
1329	ENSG00000217527	RPS16P5	2963.4	0.3	transcribed_unprocessed_pseudogene	6	53201741	53202144	ribosomal protein S16 pseudogene 5
806	ENSG00000182487	NCF1B	1508.9	0.3	transcribed_unprocessed_pseudogene	7	72634611	72649979	neutrophil cytosolic factor 1B pseudogene
1429	ENSG00000204834	WHAMMP2	2233.8	0.3	transcribed_unprocessed_pseudogene	15	28892729	29002537	WAS protein/homolog associated with actin, gqij membranes and microtubules pseudogene 2
1362	ENSG00000268758	EMRAP	2411.8	0.3	transcribed_unprocessed_pseudogene	19	6952511	6950887	egf-like module containing, mucin-like, hormone receptor-like 4 pseudogene
2220	ENSG00000239827	SUGT1P3	3467.7	0.3	transcribed_unprocessed_pseudogene	13	41482295	41495910	SUGT1 pseudogene 3
2736	ENSG00000229715		4280.2	0.3	transcribed_unprocessed_pseudogene	13	32420978	32527609	eukaryotic translation elongation factor 1 delta pseudogene 3
2768	ENSG00000202299		4267.5	0.3	transcribed_unprocessed_pseudogene	10	46717127	46730733	centaurin, gamma-like family, member 8 pseudogene
1158	ENSG00000202827		1512.4	0.3	unprocessed_pseudogene	10	46717127	46730733	centaurin, gamma-like family, member 8 pseudogene
874	ENSG00000225889		1607.2	0.3					
1158	ENSG00000202814		1984.8	0.3					
1206	ENSG00000211156		209.8	0.3					
1258	ENSG00000248810		2138.2	0.3					
1273	ENSG00000272065		2156.1	0.3					
1326	ENSG0000021098		2228.3	0.3					
1333	ENSG00000223509		2240.5	0.3					
1388	ENSG00000212030		2328	0.3					
1936	ENSG00000202631		2368.1	0.3		12	11187087	11187275	Uncharacterized protein
1562	ENSG00000270596		2527.7	0.3					
1580	ENSG00000228079		2551.8	0.3					
1594	ENSG000002118		2591.3	0.3					
1601	ENSG00000287503		2572.7	0.3					
1643	ENSG00000226104		2622.2	0.3		19	10751715	10752093	Uncharacterized protein
1648	ENSG00000225434		2612.5	0.3					
1709	ENSG00000238889		2719.8	0.3		1	25672765	25672868	Small nuclear RNA U13
1710	ENSG000002041577		2720.9	0.3					
1764	ENSG00000205688		2811.6	0.3					
1769	ENSG00000242588		2829.8	0.3					
1781	ENSG00000206507		2870.8	0.3					
1788	ENSG0000024634		2883.8	0.3					
1835	ENSG00000258044		2925.2	0.3					
1874	ENSG000002042197		2970.9	0.3					
1892	ENSG00000205588		2983	0.3					
1903	ENSG00000253270		3008.8	0.3					
1958	ENSG00000215921		3100.9	0.3					
1970	ENSG00000232728		3112.7	0.3					
1977	ENSG00000208222		3128.8	0.3					
1985	ENSG00000202127		3140.2	0.3					
2024	ENSG0000021150		3169.8	0.3					
2015	ENSG00000253883		3173.1	0.3					
2071	ENSG000002048833		3251.6	0.3					
2086	ENSG00000270554		3268.8	0.3					
2092	ENSG0000021506		3292.2	0.3					
2120	ENSG00000258116		3320.4	0.3					
2143	ENSG00000206128		3311.2	0.3					
2183	ENSG00000203116		3411.3	0.3					
2189	ENSG00000255637		3422.3	0.3					
2223	ENSG00000265588		3471	0.3					
2244	ENSG0000020361		3547.1	0.3		12	57810198	57810336	HCG181848C, Uncharacterized protein
2285	ENSG00000253882		3563.3	0.3					
2291	ENSG0000023616		3751	0.3					
2304	ENSG0000023363		3723.5	0.3					
2402	ENSG0000021233		3760.4	0.3					
2489	ENSG00000208416		3877.3	0.3					
2558	ENSG00000224307		3901.8	0.3					
2577	ENSG00000258900		3984.3	0.3					
2587	ENSG00000232613		4013.6	0.3					
2612	ENSG00000219263		4027	0.3					
2621	ENSG000002048545		4063.1	0.3					
2778	ENSG00000206296		4308	0.3					
2869	ENSG00000204560	MIR439	4415.9	0.3	miRNA	2	1814197	1814185	miR439
2876	ENSG00000258439		4459.5	0.3					
2895	ENSG0000021815		4486.6	0.3					
2901	ENSG0000023151	MIR447	4514.7	0.3	miRNA	2	19217020	19217078	miR447
2919	ENSG000002048548		4539.4	0.3					
2923	ENSG00000204859		4550.6	0.3					
2950	ENSG00000205603		4580.8	0.3					
2986	ENSG000002084188		4645.3	0.3					
3032	ENSG00000229072		4727.4	0.3		2	70182777	70182879	Small nuclear RNA U13
3065	ENSG00000218809		4788.4	0.3					
3066	ENSG00000253573		4791.6	0.3					
3090	ENSG00000208974		4825.9	0.3					
3118	ENSG00000230870		4817.8	0.3					
3152	ENSG00000233573		4947.2	0.3					
3158	ENSG00000229629		4950.8	0.3					
3159	ENSG00000230870		4953.1	0.3					
3201	ENSG00000208931		5023.5	0.3		1	738532	739137	Uncharacterized protein
3253	ENSG00000204374		5100	0.3					
3263	ENSG0000023242		5125	0.3					
3266									

2410	ENSG00000229048		37713	0.29	processed_pseudogene	3	125029725	125030194	deoxyuridine triphosphatase pseudogene 1
2425	ENSG00000214538		49617	0.29	processed_pseudogene	7	23453852	234538445	FC11 pseudogene 1
3017	ENSG00000242061		47034	0.29	processed_pseudogene	12	8511650	8512430	ribosomal protein S3a pseudogene 43
3167	ENSG00000230041		49617	0.29	processed_pseudogene	11	2792586	2792807	cytochrome c oxidase subunit Vii pseudogene 18
3240	ENSG00000204130		5095	0.29	processed_pseudogene	3	7205920	7206126	ubiquitin-conjugating enzyme E2Q family member 2 pseudogene 9
3267	ENSG00000202518		51295	0.29	processed_pseudogene	3	2281256	2281177	AT112C pseudogene 1
3316	ENSG00000231726		52099	0.29	processed_pseudogene	11	73291298	73291562	high mobility group nucleosomal binding domain 2 pseudogene 38
3373	ENSG00000215760		53187	0.29	processed_pseudogene	11	116589134	116570929	TAF9B RNA polymerase II, TATA box binding protein (TBP) associated factor, 31kDa pseudogene
3523	ENSG00000249807		55387	0.29	processed_pseudogene	10	126148152	126148472	ribosomal protein L35a pseudogene 26
1926	ENSG00000249522	HLAF-AS1	30446	0.29	processed_transcript	6	6964376	2971626	HLAF antisense RNA
66	ENSG00000234469	IL2RA	1514	0.29	protein_coding	10	6092953	6134458	interleukin 2 receptor, alpha
117	ENSG00000219865	IL2RB2	3561	0.29	protein_coding	1	67773047	6786283	interleukin 12 receptor, beta 2
431	ENSG00000139670	LPAH6	9152	0.29	protein_coding	13	48463707	49018840	lysophosphatidic acid receptor 5
524	ENSG00000205374	NG2	11523	0.29	protein_coding	19	51874860	51875869	neuronal killer cell group 2 sequence
648	ENSG00000180549	FUT7	1297	0.29	protein_coding	9	13992426	139927462	glucosyltransferase 7 (alpha 1.3) glucosyltransferase
733	ENSG00000154589	LY96	1428	0.29	protein_coding	8	7460387	74941322	lymphocyte antigen 96
788	ENSG00000200333	LFNG	1468	0.29	protein_coding	7	2552163	2559811	LFNG O-fucosyltransferase 3 beta-N-acetylglucosaminyltransferase
784	ENSG00000186469	GN2G	14624	0.29	protein_coding	14	5229313	5244600	guanine nucleotide binding protein (G protein), gamma 2
790	ENSG00000111348	ARRHGDB	15018	0.29	protein_coding	12	15094951	15114662	Rho GDP dissociation inhibitor (GDI) beta
852	ENSG00000200693		15031	0.29	protein_coding	19	54720737	54746649	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain) member 6
826	ENSG00000006974	RAB27A	15336	0.29	protein_coding	15	55495164	55611311	RAB27A, member RAS oncogene family
830	ENSG00000182568	SATB1	1538	0.29	protein_coding	3	18386879	18487080	SATB homeobox 1
852	ENSG0000012345	STAR5	15734	0.29	protein_coding	15	81601284	81616054	SMAR-related lipid transfer (STAR) domain containing 5
856	ENSG00000105352	CEACAM4	15763	0.29	protein_coding	19	42125344	42133442	carcinoembryonic antigen-related cell adhesion molecule 4
876	ENSG000002028137	TNFRSF1B	1607	0.29	protein_coding	1	12227060	12289285	tumor necrosis factor receptor superfamily, member 1B
894	ENSG00000202425	HLA-B	16274	0.29	protein_coding	6	31321648	31324965	major histocompatibility complex, class I, B
813	ENSG00000240065	PSMB9	1667	0.29	protein_coding	6	32811913	32813627	proteasome (prosome, macropain) subunit, beta type, 9
1028	ENSG00000102779	ALOX5	1816	0.29	protein_coding	10	45869651	45941961	arachidonate 5-lipoxygenase
1024	ENSG00000205614	ARHGAP27	18238	0.29	protein_coding	11	4343176	4351187	Rho GTPase activating protein 27
1030	ENSG00000124357	NGK	18304	0.29	protein_coding	2	71291474	71306355	N-acetylglucosamine kinase
1028	ENSG00000171257	STAT5B	19021	0.29	protein_coding	17	40351186	40428725	signal transducer and activator of transcription 5B
1103	ENSG00000200693	CtCFP3	1927	0.29	protein_coding	2	11391202	11336601	ectonucleoside diphosphate (NDP) domain containing 4
1120	ENSG00000148859	TMEM140	19577	0.29	protein_coding	7	134532624	134560067	transmembrane protein 140
1133	ENSG00000200267	TAP2	19678	0.29	protein_coding	6	32786100	32806557	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
1144	ENSG00000200523	CtCFP3	19678	0.29	protein_coding	2	10000128	10000128	CtCFP actin domain family 2, member 8
1233	ENSG00000165168	CYBB	21034	0.29	protein_coding	X	37636264	37672714	cytochrome b-245, beta polypeptide
1230	ENSG00000139323	POC1B	21138	0.29	protein_coding	12	89813495	89919801	POC1 centromer protein B
1287	ENSG00000200267	AT5G163	21273	0.29	protein_coding	11	7255353	7255478	subfamily 16-like 2 (S. cerevisiae)
1340	ENSG00000168300	PCMTD1	22567	0.29	protein_coding	8	52730140	52811735	protein-L-isomerase (D-aspartate) O-methyltransferase domain containing 1
1355	ENSG00000198174	CNTNAP3	22785	0.29	protein_coding	9	38072784	38288512	contactin associated protein-like 3
1365	ENSG0000017495	SAMD8	22828	0.29	protein_coding	18	52739969	52777662	sterile alpha motif domain containing 8-like
1385	ENSG00000100784	RPS8KAS	2315	0.29	protein_coding	14	91336795	91526880	ribosomal protein S8 kinase, 80kDa, polypeptide 5
1394	ENSG00000158711	ELK4	23235	0.29	protein_coding	1	205577071	205601090	ELK4, ETS-domain protein (SRF accessory protein 1)
1454	ENSG00000160110	IRHAR2	24008	0.29	protein_coding	21	6226220	24637880	interleukin (alpha, beta and omega) receptor 2
1454	ENSG00000114127	XRN1	24013	0.29	protein_coding	6	14202449	14216894	5'-3' exonuclease 1
1610	ENSG00000073910	FRY	2576	0.29	protein_coding	13	32655437	32670784	furry homolog (Drosophila)
1610	ENSG00000144589	DOC2C	2589	0.29	protein_coding	6	6504228	2527558	effector of cytolysis 5
1616	ENSG00000111224	PARP11	25944	0.29	protein_coding	12	390211	392166	poly (ADP-ribose) polymerase family, member 11
1641	ENSG00000177125	ZBTB34	2623	0.29	protein_coding	9	12962244	129648157	zinc finger and BTB domain containing 34
1884	ENSG00000206869	ANK	29104	0.29	protein_coding	9	4985033	5128183	ankyrin kinase 2
1726	ENSG00000204209	ARL17A	27149	0.29	protein_coding	17	44549496	44627488	ADP-ribosylation factor-like 17A
1730	ENSG00000134444	KIAA1468	27714	0.29	protein_coding	18	58854491	58974355	KIAA1468
1740	ENSG00000196266	ZNF493	27733	0.29	protein_coding	19	21579921	21610375	zinc finger protein 493
1736	ENSG0000014933	INCED	28029	0.29	protein_coding	2	202683445	202691027	INCED complex subunit D
1787	ENSG00000075539	FRYL	2889	0.29	protein_coding	4	4849378	4878239	FRYL-like
1811	ENSG00000202524	PTTG2	2899	0.29	protein_coding	4	3796206	37962746	pituitary tumor-transforming 2
1824	ENSG00000106586	ANKAP10	29187	0.29	protein_coding	2	18862765	18871658	A kinase (PRK) anchor protein 10
1881	ENSG00000074758	ZNF2F	2978	0.29	protein_coding	17	3907379	4046314	zinc finger, Z2F type with EF-hand domain 1
1882	ENSG00000127281	ZNF484	31518	0.29	protein_coding	2	9810978	9820426	zinc finger protein 484
1926	ENSG00000141421	GMRH1	31715	0.29	protein_coding	2	2968012	2968654	(gonadotropin-releasing hormone) receptor-like 1 (identifying releasing hormone)
1975	ENSG00000115870	THADA	31228	0.29	protein_coding	2	43383800	43382185	thyroid adenoma associated
1986	ENSG00000127281	ZNF484	31518	0.29	protein_coding	9	95607874	95640304	zinc finger protein 484
1984	ENSG00000171668	SUMO4	32018	0.29	protein_coding	11	14872177	148722177	SUMO4
2241	ENSG00000196110	ZNF699	3491	0.29	protein_coding	19	8404951	8420514	zinc finger protein 699
2282	ENSG00000123020	ZNF611	35175	0.29	protein_coding	19	5320606	5328326	zinc finger protein 611
2644	ENSG00000216303	SLMO4	4508	0.29	protein_coding	2	2968012	2968654	SMO4
3011	ENSG00000124091	GCNT7	4693	0.29	protein_coding	20	55065454	5510081	glucosaminyl (N-acetyl) transferase family member 7
3145	ENSG000002021970	OR2A1	4935	0.29	protein_coding	7	14401518	144016150	olfactory receptor, family 2, subfamily A, member 1
3251	ENSG00000205811	ANKK2	5008	0.29	protein_coding	22	4868378	5008190	chromosome 22 open reading frame 34
3534	ENSG00000193747	OR2D6	55484	0.29	protein_coding	11	5602107	5603134	olfactory receptor, family 2, subfamily B, member 6
3563	ENSG00000179055	OR13D1	55848	0.29	protein_coding	9	10745660	10747786	olfactory receptor, family 15, subfamily D, member 1
3619	ENSG00000202585		48036	0.29	rRNA	22	28111008	28111386	rRNA, 5S ribosomal pseudogene 404
2872	ENSG00000248476	BACH1	30367	0.29	sense_intronic	21	30723955	30734215	BACH1 intronic transcript 1 (non-protein coding)
1926	ENSG00000202892	DIP2A-T1	41489	0.29	sense_intronic	21	47882384	47888219	DIP2A intronic transcript 1 (non-protein coding)
1796	ENSG00000202892	DIP2A-T1	41489	0.29	sense_intronic	1	2284367	2284367	DIP2A intronic transcript 1 (non-protein coding)
2555	ENSG00000212181		39559	0.29	sncRNA	2	14901943	149019277	Small nuclear RNA SNORA48
1561	ENSG00000206923		25038	0.29	sncRNA	7	28157732	28157838	rRNA, U6 small nuclear 97b, pseudogene
1561	ENSG00000205989		25038	0.29	sncRNA	16	5347148	5347244	rRNA, U6 small nuclear 115b, pseudogene
1770	ENSG00000207518	RNU6B-SP	28312	0.29	sncRNA	13	22125443	22125449	rRNA, U6 small nuclear 59, pseudogene
1778	ENSG00000202151		28643	0.29	sncRNA	15	8964070	8964071	rRNA, U7 small nuclear 195, pseudogene
1852	ENSG00000202454		32049	0.29	sncRNA	2	21384735	21384736	rRNA, U6 small nuclear 107, pseudogene
2025	ENSG00000205105		31193	0.29	sncRNA	1	14928177	14928232	rRNA, U1 small nuclear 143, pseudogene
2056	ENSG00000207144		32374	0.29	sncRNA	1	15538918	15538921	rRNA, U6 small nuclear 1297, pseudogene
2068	ENSG00000206921		4127	0.29	sncRNA	1	15007432	15007448	rRNA, U6 small nuclear 104Z, pseudogene
2922	ENSG00000199444		34261	0.29	sncRNA	2	16845206	16845306	rRNA, U6 small nuclear 76b, pseudogene
3003	ENSG00000202089		46717	0.29	sncRNA	11	6350059	63500157	rRNA, U6 small nuclear 130b, pseudogene
3167	ENSG00000206869		49018	0.29	sncRNA	17	7606326	7606334	rRNA, U6 small nuclear 62b, pseudogene
3138	ENSG00000204843		4268	0.29	sncRNA	12	13209888	13209913	rRNA, U6 small nuclear 101Z, pseudogene
345	ENSG00000227191	84B3	8483	0.29	TR_C_gene	7	38279181	38279173	T cell receptor gamma constant 2
347	ENSG0000011625		8305	0.29	TR_C_gene	14	22919081	22919131	T cell receptor alpha piling 1
538	ENSG0000011854		29563	0.29	TR_C_gene	14	22919029	22919087	T cell receptor alpha (non-functional)
2611	ENSG00000256378		38575	0.29	TR_V_pseudogene	14	22371257	22371778	T cell receptor alpha variable B-5 (pseudogene)
631	ENSG00000229754	CRCR2P1	12784	0.29	transcribed_unprocessed_pseu_dogene	2	218923878	218930452	chemokine (C-X-C motif) receptor 2 pseudogene 1
808	ENSG00000184106	TMLSP	41822	0.29	transcribed_unprocessed_pseu_dogene	6	41178292	41178390	triggering receptor expressed on myeloid cells-like 3, pseudogene
3305	ENSG00000233673		52011	0.29	transcribed_unprocessed_pseu_dogene	2	87098424	87149616	anaphase promoting complex subunit 1 pseudogene 1
3320	ENSG00000239736		52268	0.29	transcribed_unprocessed_pseu_dogene	19	42106090	42112339	carcinoembryonic antigen-related cell adhesion molecule pseudogene 3
3323	ENSG00000234814	SVLP1	5231						

2965	ENSG00000270130	4992.4	0.29						
2966	ENSG00000271717	4991.9	0.29						
3000	ENSG00000269947	4698.2	0.29						
3025	ENSG00000211206	4723.5	0.29						
3038	ENSG00000264538	4743	0.29						
3077	ENSG00000269538	4903	0.29						
3092	ENSG00000260908	4828.7	0.29						
3095	ENSG00000271068	4834	0.29						
3129	ENSG00000269874	4899	0.29						
3143	ENSG00000259304	4931.6	0.29						
3198	ENSG00000261222	5011	0.29						
3207	ENSG00000271717	5014.4	0.29						
3222	ENSG00000261986	5061.5	0.29						
3223	ENSG00000268096	5061.6	0.29						
3244	ENSG00000269640	5091.3	0.29						
3247	ENSG00000212820	5095	0.29						
3248	ENSG00000211754	5099.2	0.29						
3279	ENSG00000221784	5144.8	0.29						
3286	ENSG00000232618	5156	0.29						
3312	ENSG00000240874	5212.6	0.29						
3316	ENSG00000225925	5218.4	0.29						
3331	ENSG00000214772	5241.8	0.29						
3340	ENSG00000269881	5253.3	0.29						
3341	ENSG00000225017	5274.6	0.29						
3355	ENSG00000238350	5274.6	0.29						
3389	ENSG00000249077	5302.5	0.29						
3391	ENSG00000211712	5303.3	0.29						
3391	ENSG00000234572	5347.8	0.29						
3400	ENSG00000269705	5358.5	0.29						
3403	ENSG00000221920	5362.3	0.29						
3404	ENSG00000231740	5362.3	0.29						
3480	ENSG00000211105	5446	0.29						
3483	ENSG00000234560	5447.1	0.29						
3487	ENSG00000237505	5455.6	0.29						
3475	ENSG00000264184	5465.4	0.29						
3494	ENSG00000221758	5471.7	0.29	17	10048831	10050277			CDNA FL22866 fs, clone CBR01927
3517	ENSG00000262884	5531.7	0.29						
3545	ENSG00000261387	5582.6	0.29						
3547	ENSG00000239893	5587.4	0.29						
3548	ENSG00000227017	5588.5	0.29						
3550	ENSG00000225832	5573.4	0.29						
3568	ENSG00000211712	5586.3	0.29						
3609	ENSG00000268421	5653.4	0.29	10	13130884	13130925			Uncharacterized protein
1983	ENSG00000226167	AP4B1-AS1	3138.2	0.28	antisense	1	11439257	11444359	AP4B1 antisense RNA 1
2027	ENSG0000021721	LUCAT1	3647.7	0.28	antisense	7	13066519	13074935	long intergenic non-protein coding RNA, p53 induced transcript
1860	ENSG00000238323	LUCAT1	3757.6	0.28	lincRNA	5	9058846	9057018	lung cancer associated transcript 1 (non-protein coding)
3871	ENSG00000177375	FAM87B	6091.3	0.28	lincRNA	1	752751	752714	family with sequence similarity 87, member B
1508	ENSG00000264764	MIR4772	2533.3	0.28	miRNA	2	103048749	10304828	miR4772
1808	ENSG00000264556	MIR5162	2863.4	0.28	miRNA	11	9038250	9038031	miR5162
2147	ENSG00000207612	MIR604	3359.4	0.28	miRNA	10	2983393	2983420	miR604
2170	ENSG0000021214	MIR355	3395.3	0.28	miRNA	10	1124668	1124871	miR355
1991	ENSG00000262523	MIR4446	4820.7	0.28	miRNA	11	11331323	11331789	miR4446
3224	ENSG00000262432	MIR4308	4887.7	0.28	miRNA	14	55344831	55344911	miR4308
3275	ENSG00000212017	MIR5480	5112.3	0.28	miRNA	6	57254930	57255010	miR5480
3311	ENSG00000269657	MIR419	5211.3	0.28	miRNA	18	4250047	4250131	miR419
1810	ENSG00000208025	MIR591	5535	0.28	miRNA	7	9584874	9584908	miR591
3650	ENSG00000203136		2901.7	0.28	misc. RNA	16	2819489	2819471	Y RNA
1926	ENSG00000222436		2917	0.28	misc. RNA	17	7752197	7752309	Y RNA
1929	ENSG00000207390		3041.5	0.28	misc. RNA	17	4096063	4096180	Y RNA
2005	ENSG00000203977		3163.3	0.28	misc. RNA	7	88847927	88848028	Y RNA
1910	ENSG00000202969		3253.8	0.28	misc. RNA	3	11202315	11192116	Y RNA
1768	ENSG00000241333		5908.4	0.28	misc. RNA	22	38065473	38065746	RNA 7SL, cytoplasmic 38S, pseudogene
3884	ENSG00000241975		2962.3	0.28	processed_pseudogene	1	89294785	89295102	transcription elongation factor II (SII), poly(ADP-ribose) 1 pseudogene 19
1960	ENSG00000198166		3187.1	0.28	processed_pseudogene	1	17871618	17871618	protein tyrosine phosphatase receptor type 2 pseudogene 1
2168	ENSG00000241120		3390.4	0.28	processed_pseudogene	3	16741243	16741243	high mobility group nucleosome binding domain 1 pseudogene 8
2480	ENSG00000225299		3864.3	0.28	processed_pseudogene	1	11316828	11316848	mitochondrial ribosomal protein L53 pseudogene 1
2925	ENSG00000202620		4070.1	0.28	processed_pseudogene	2	4075916	4075909	cytochrome c oxidase subunit VIIa pseudogene 14
2830	ENSG00000226839		4070.1	0.28	processed_pseudogene	2	143851802	143852284	MT-ND6 pseudogene 11
3349	ENSG00000226863		5262.6	0.28	processed_pseudogene	1	235459180	235459920	ribosomal protein L23a pseudogene 23
1414	ENSG00000206023		5317.8	0.28	processed_pseudogene	22	4118428	4118428	jumping transcription breakpoint pseudogene 2
3427	ENSG00000234159		5397.1	0.28	processed_pseudogene	21	17116323	17117399	RNA binding protein with multiple solid-like pseudogene
3443	ENSG00000248430		5427	0.28	processed_pseudogene	5	111788400	111789886	high mobility group box 3 pseudogene 16
1489	ENSG00000249843		5454.8	0.28	processed_pseudogene	11	86534817	86534818	fertilin, light polypeptide pseudogene 6
3068	ENSG00000235150		5793.4	0.28	processed_pseudogene	10	9054537	90545816	regulator of chromosome condensation (RCC-1) and BTB (POZ) domain containing protein 2 pseudogene 1
3706	ENSG00000215441		5795.5	0.28	processed_pseudogene	9	27963880	27971043	CTAGE family, member 12, pseudogene
3712	ENSG00000222887		5827.2	0.28	processed_pseudogene	21	30500022	30500509	ribosomal protein L12 pseudogene 9
3748	ENSG00000243681		5860.8	0.28	processed_pseudogene	7	142488452	142487247	WW domain binding protein 13-like pseudogene 1
1423	ENSG00000209197	IL32	3118.6	0.28	protein_coding	6	31186	31186	interleukin 32
632	ENSG00000161911	TREM1	1279.1	0.28	protein_coding	6	41117080	41122075	triggering receptor expressed on myeloid cells like 1
788	ENSG00000198716	LILRA5	1458.8	0.28	protein_coding	19	54818333	54824409	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 5
780	ENSG00000138744	HLA-L	1467.3	0.28	protein_coding	18	76818098	76818098	M-tetrapeptide amid amidase
824	ENSG00000119714	GPR68	1532.6	0.28	protein_coding	14	91688876	91720299	G-protein-coupled receptor 68
845	ENSG00000214212	C10orf58	1561.4	0.28	protein_coding	19	10947251	10980466	chromosome 10 open reading frame 38
888	ENSG00000212136	PLBD1	1619.1	0.28	protein_coding	12	14856996	14721283	phospholipase B domain containing 1
900	ENSG00000202425	HLA-L	1644.4	0.28	protein_coding	6	3153626	3153607	major histocompatibility complex, class I, C
911	ENSG00000104998	IL7FRA	1654.6	0.28	protein_coding	19	14142560	14163743	interleukin 27 receptor, alpha
974	ENSG00000147168	IL2RG	1739.3	0.28	protein_coding	A	70327294	7031988	interleukin 2 receptor, gamma
980	ENSG00000209788	AB1	1753	0.28	protein_coding	8	47287569	47300387	CD3D molecule
984	ENSG00000127564	STIEP4	1763.3	0.28	protein_coding	7	8796744	87962006	STIEP4 family member 4
987	ENSG00000168862	FAM78A	1765.3	0.28	protein_coding	9	13415463	13415194	family with sequence similarity 78, member A
1000	ENSG0000018614	SMAP2	1765.3	0.28	protein_coding	9	18708120	18708120	receptor (chemokine) transporter protein 4
1018	ENSG00000084070	SMAP2	1805.8	0.28	protein_coding	1	40810522	40888988	family with sequence similarity 78, member A
1055	ENSG00000185122	RASA3	1852.5	0.28	protein_coding	19	15862435	15975382	RAS protein activator like 3
1056	ENSG00000185321	RASA3	1852.5	0.28	protein_coding	19	48263200	48263200	chemokine (C motif) receptor 1
1076	ENSG00000122122	SASH3	1877.8	0.28	protein_coding	X	128913965	128929177	SAM and SH3 domain containing 3
1079	ENSG00000103225	ASC2C2	1883.6	0.28	protein_coding	22	30184997	30234271	activating signal transducer 1 complex subunit 2
1080	ENSG00000069391	RASKP2	1902.8	0.28	protein_coding	44	6445290	6445290	RAS guanyl releasing protein 2 (calcium and DAG-regulated)
1096	ENSG00000072135	PTPN18	1904.8	0.28	protein_coding	2	131115580	131123882	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)
1099	ENSG00000124247	MYO1F	1907.9	0.28	protein_coding	19	858674	8642441	myosin I F
1100	ENSG00000141119	FKBP1	1914.3	0.28	protein_coding	3	11413175	11414250	calyculin A inhibitor 1
1105	ENSG00000196405	EVL	1917	0.28	protein_coding	14	100437786	100437786	EratH/Vsp-like
1123	ENSG00000186628	PCGF5	1950.1	0.28	protein_coding	10	9297908	93044088	polycomb group ring finger 5
1131	ENSG00000211369	CD3G2	1983	0.28	protein_coding	2	16003164	16003164	CD3D molecule
1134	ENSG00000068294	CD84	1991.5	0.28	protein_coding	1	160510885	160549306	CD84 molecule
1183	ENSG00000292511	SNAP23	2041.1	0.28	protein_coding	15	42754313	42837547	synaptosomal-associated protein 23kDa
1207	ENSG0000015604	IL18R1	2073.2	0.28	protein_coding	2	10927869	10928168	interleukin 18 receptor 1
1224	ENSG00000168128	RAB8B	2083.7	0.28	protein_coding	15	83481868	83589811	RAB8B, member RAS oncogene family
1229	ENSG00000195158	TTC39B	2086.8	0.28	protein_coding	9	15163820	15307358	tetratricopeptide repeat domain 39B
1274	ENSG00000135445	RIGC2	2096.3	0.28	protein_coding	10	17233029	17233029	phosphatidylinositol glycan anchor biosynthesis, class C
1279	ENSG00000157551	KCNJ15	2161.9	0.28	protein_coding	21	38529128	38679789	potassium inwardly-rectifying channel, subfamily J, member 15
1304	ENSG00000186525	RYK	2188.9	0.28	protein_coding	9	93564099	93688031	spleen tyrosine kinase
1307	ENSG00000108657	PRKRA	2199.4	0.28	protein_coding	10	2262106	22602484	phosphatidylinositol 3-kinase 4 kinase, type II, alpha
1338	ENSG00000135932	CAB39	2252.5	0.28	protein_coding	2	231577560	231685790	calcium binding protein 39
1387	ENSG00000139488	PEL12	2315.3	0.28	protein_coding	14	56584532	56788244	pellico E3 ubiquitin protein ligase family member 2
1388	ENSG00000211128	FKBP1	2315.4	0.28	protein_coding	30	4723078	4744440	phosphatidylinositol 3,4,5-trisphosphate dependent 1alpha, exchange factor 1
1396	ENSG00000198814	GK	2327.1	0.28	protein_coding	X	30671476	30749725	glycerol kinase
1397	ENSG00000195023	EPB41	2327.9	0.28	protein_coding	1	29213603	29446553	erythrocyte membrane protein band 4.1 (tellopoysis 1, RH-linked)
1404	ENSG00000195688	AIM2	2332.2	0.28	protein_coding	1	15902274	159116886	AIM2, member NOD2
1406	ENSG00000198178	CD47	2342	0.28	protein_coding	3	107792145	107808972	CD47 molecule
1472	ENSG00000180233	ZNF92	2434.4	0.28	protein_coding	7	30323923	30421718	zinc finger protein 92
1481	ENSG00000213388	NCKAP1L	2458.8	0.28	protein_coding	12	54891498	54897726	NCK-anchoring protein 1-like 1</

3725	ENSG00000177538	OR2B11	5836.6	0.28	protein_coding	1	247614255	247615308	effector receptor, family 2, subfamily B, member 11
3726	ENSG0000011865		3421	0.28	sense_intronic	11	116756782	116761437	SN3 intronic transcript 1 (non-protein coding)
2460	ENSG000002024707		3842	0.28	sense_intronic	6	20438052	20440409	E2F3 intronic transcript 1 (non-protein coding)
1665	ENSG000002020075		2660.1	0.28	snRNA	8	13080036	13080086	Small nucleolar RNA SNORA25
2180	ENSG00000201878		3327.1	0.28	snRNA	4	18535120	18535203	Small nucleolar RNA SNORD78
1887	ENSG00000201736		2954.2	0.28	snRNA	17	46274042	46274148	RNA, U6 small nuclear 175a, pseudogene
1946	ENSG00000205304		3073.7	0.28	snRNA	17	27751780	27751885	RNA, U6 small nuclear 711, pseudogene
2075	ENSG00000202610		3259.2	0.28	snRNA	5	96225436	96225537	RNA, U6 small nuclear 402, pseudogene
2309	ENSG00000202951		3621.1	0.28	snRNA	0	103362819	103362722	RNA, U6 small nuclear 1163, pseudogene
2432	ENSG00000202593		3685.9	0.28	snRNA	2	54394081	54394144	RNA, U7 small nuclear 172, pseudogene
2707	ENSG00000202237		4256.1	0.28	snRNA	12	28472268	28472358	RNA, U6 small nuclear 54, pseudogene
3076	ENSG00000205193		4756.3	0.28	snRNA	11	3738022	3738105	RNA, U6 small nuclear 1143, pseudogene
3168	ENSG00000196944		4961.9	0.28	snRNA	6	105980712	105980817	RNA, U6 small nuclear 653, pseudogene
3226	ENSG0000021507		5062.6	0.28	snRNA	7	144148774	144148910	RNA, U6 small nuclear 40, pseudogene
3911	ENSG00000202429		5565.1	0.28	snRNA	2	12622810	12622891	RNA, U6 small nuclear 45, pseudogene
3668	ENSG000002053188		5745	0.28	TR_V_gene	7	142143652	142144084	T cell receptor beta variable 6-7 (non-functional)
2865	ENSG00000205812		4443.5	0.28	TR_V_pseudogene	14	22658052	22658607	T cell receptor alpha variable 33 (pseudogene)
1263	ENSG00000170356	OR2A0P	2140	0.28	transcribed_unprocessed_psu_dogene	7	143947138	14395050	effector receptor, family 2, subfamily A, member 20 pseudogene
1807	ENSG000002037296	SMG1P1	3010.8	0.28	transcribed_unprocessed_psu_dogene	16	22448329	22503541	SMG1 pseudogene 1
3162	ENSG00000198850	TPTE2P5	4980.2	0.28	transcribed_unprocessed_psu_dogene	13	41396432	41495490	transmembrane phosphotransferase and tensin homolog 2 pseudogene 5
3896	ENSG00000125631	LOC101929008	6124.5	0.28	transcribed_unprocessed_psu_dogene	2	118817003	118692518	5-hydroxytryptamine (serotonin) receptor 5B, pseudogene
1862	ENSG00000204790	CBWD2	3133	0.28	unprocessed_pseudogene	9	69204538	69209682	COXBW domain containing 6
3937	ENSG00000204299		4013.3	0.28	unprocessed_pseudogene	1	94389130	94389501	MTX4A pseudogene 11
854	ENSG00000288001		1575.8	0.28					
1203	ENSG00000289814		2068.6	0.28					
1598	ENSG000002023961		2581.8	0.28		2	37186505	37186605	RNA, U6 small nuclear 846, pseudogene
1668	ENSG000002033961		2701.4	0.28					
1714	ENSG000002046575		2728.2	0.28					
1721	ENSG00000205031		2740	0.28					
1825	ENSG00000205968		2916.7	0.28					
1858	ENSG00000249006		2956.6	0.28					
1869	ENSG00000214489		2966.3	0.28					
1931	ENSG000002039883		3046.6	0.28					
1955	ENSG00000287758		3096	0.28					
1965	ENSG000002051288		3108.5	0.28					
1999	ENSG00000215348		3159.1	0.28					
2010	ENSG000002052324		3188.8	0.28					
2031	ENSG000002051878		3203.5	0.28					
2032	ENSG00000183904		3204.5	0.28					
2046	ENSG000002048503		3223.3	0.28					
2052	ENSG00000203578		3231.9	0.28					
2053	ENSG000002048484		3235.3	0.28		6	34660557	34660660	Small nucleolar RNA U13
2097	ENSG000002051544		3240.2	0.28					
2058	ENSG00000207076		3241.5	0.28					
2093	ENSG00000205021		3265.3	0.28					
2104	ENSG000002057169		3296.8	0.28					
2116	ENSG000002027383		3305.3	0.28					
2120	ENSG00000209244		3311.5	0.28					
2131	ENSG00000213800		3327.8	0.28					
2140	ENSG000002026352		3347.3	0.28					
2218	ENSG000002054496		3464.8	0.28					
2284	ENSG00000272562		3583.2	0.28					
2286	ENSG00000201113		3754.4	0.28					
2419	ENSG00000205700		3758.8	0.28		10	52152786	52154321	Uncharacterized protein
2471	ENSG00000272178		3857.9	0.28					
2541	ENSG000002054915		3936.8	0.28					
2548	ENSG00000205700		3947	0.28					
2562	ENSG000002028886		3964.6	0.28					
2575	ENSG000002055963	PP1AL3A	3993.2	0.28		1	147954635	147955419	peptidyl(iso) isomerase A (cytoplasm A)-like 4A
2640	ENSG00000205782		4026	0.28					
2653	ENSG00000204329		4101.1	0.28					
2670	ENSG000002058918		4127.7	0.28					
2697	ENSG00000201100		4118.8	0.28					
2784	ENSG000002033392		4326.8	0.28					
2791	ENSG000002059118		4332.9	0.28					
2886	ENSG00000201168		4477.3	0.28					
2900	ENSG000002023891		4504.2	0.28					
2999	ENSG000002028984		4667.1	0.28					
3013	ENSG000002051512		4696	0.28					
3107	ENSG000002048758		4854.5	0.28					
3133	ENSG00000203999		4904.6	0.28					
3138	ENSG000002021778		4915.7	0.28					
3150	ENSG00000217078		4944.2	0.28					
3155	ENSG00000204828		4949	0.28					
3208	ENSG000002025114		5005.3	0.28					
3239	ENSG00000131484		5094	0.28					
3292	ENSG000002053912		5188.3	0.28					
3294	ENSG000002029943		5199.8	0.28					
3300	ENSG00000166967		5183.4	0.28		7	101989192	101990889	speedy/RINGO cell cycle regulator family member E6
3332	ENSG000002031731		5244.6	0.28					
3362	ENSG000002058966		5281.8	0.28					
3363	ENSG000002024910		5315.4	0.28					
3371	ENSG000002028237		5352.7	0.28					
3417	ENSG000002059604		5375.4	0.28					
3446	ENSG0000020314		5428.4	0.28					
3450	ENSG000002069049		5433.4	0.28					
3479	ENSG000002054595		5478.6	0.28					
3486	ENSG00000206073		5480.3	0.28					
3481	ENSG000002021320		5488.6	0.28					
3509	ENSG000002080194		5512.6	0.28					
3527	ENSG00000202086		5514.2	0.28					
3531	ENSG000002055899		5546	0.28					
3555	ENSG00000204983		5580.4	0.28					
3562	ENSG00000211831		5592.8	0.28					
3570	ENSG000002058591		5602	0.28					
3571	ENSG000002054877		5602.2	0.28					
3586	ENSG00000202078		5617.4	0.28					
3584	ENSG000002028113		5642	0.28					
3602	ENSG000002071215		5648.7	0.28					
3607	ENSG000002054528		5651.1	0.28					
3608	ENSG000002033154		5652.2	0.28					
3613	ENSG00000203478		5660.5	0.28					
3615	ENSG00000205370		5661.8	0.28					
3635	ENSG000002028681		5703	0.28					
3637	ENSG000002084374		5704.1	0.28					
3651	ENSG000002028883		5717.8	0.28					
3652	ENSG000002014651		5723.3	0.28					
3670	ENSG000002043358		5745.8	0.28					
3672	ENSG000002043078		5750.3	0.28					
3686	ENSG000002058443		5774.9	0.28					
3707	ENSG000002021462		5812.6	0.28					
3727	ENSG000002054988		5837.8	0.28					
3737	ENSG000002064083		5850.6	0.28					
3774	ENSG000002070281		5923.3	0.28					
3792	ENSG000002031129		5968.4	0.28					
3801	ENSG000002033852		5978.4	0.28					
3808	ENSG000002086744		5991.9	0.28					
3819	ENSG00000205709		6002.3	0.28					
3832	ENSG000002054441		6021.1	0.28					
3881	ENSG000002031398		6105.4	0.28					
3883	ENSG000002021974		6126	0.28					
1941	ENSG000002023484	NUTM2A-AS1	3058.6	0.27	antisense	10	88963632	89102369	NUTM2A antisense RNA 1
2456	ENSG000002024855	OPA1-AS1	4632.7	0.27	antisense	3	19333638	19334528	OPA1 antisense RNA 1
2498	ENSG00000178918	PCBP1-AS1	5659.5	0.27	antisense	2	70163095	70159870	PCBP1 antisense RNA 1
2526	ENSG000002088472</								

3796	ENSG00000272469	5974.1	0.27	misc RNA	8	7474070	74746277	Metazoan signal recognition particle RNA
3959	ENSG00000292427	41852.1	0.27	misc RNA	3	41858107	41858411	RNA, T52 small nuclear pseudogene 58
1924	ENSG00000245445	3058.1	0.27	processed_pseudogene	17	19574259	19576186	lincRNA OX18 pseudogene
2127	ENSG000002029877	3329.9	0.27	processed_pseudogene	7	143242779	143243828	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase pseudogene 5
2762	ENSG000002029800	4292.1	0.27	processed_pseudogene	13	33051411	33052978	ATPase, aminophospholipid transporter, class I, type 8A, member 2 pseudogene 2
3634	ENSG00000204863	5701.7	0.27	processed_pseudogene	17	37991250	37992333	keratin 8 pseudogene 34
3753	ENSG000002029427	5867.6	0.27	processed_pseudogene	13	11846529	11847028	ankyrin repeat domain 26 pseudogene 4
3770	ENSG000002029493	5912.1	0.27	processed_pseudogene	7	133412121	133412847	cytochrome c oxidase subunit 1b pseudogene 3
3838	ENSG000002049002	6052.5	0.27	processed_pseudogene	3	114469398	114470396	Y box binding protein 1 pseudogene 3
3873	ENSG00000217159	6065.9	0.27	processed_pseudogene	6	26143300	26143681	L1 (nonretroviral) domain family, member 1 pseudogene 1
2837	ENSG000002023709	6093.4	0.27	processed_transcript	1	207974863	208042495	HCG1 tyrosine inducible domain family, member 1A pseudogene 18
354	ENSG00000133321	8463.3	0.27	protein_coding	11	63304281	63313934	retinoic acid receptor responder (tazarotene inducer) 3
989	ENSG00000108910	1264.3	0.27	protein_coding	8	70835766	70838367	chromeline (C-NC motif) receptor 3
655	ENSG00000172543	1307.8	0.27	protein_coding	11	65647289	65651212	cathespain W
887	ENSG00000147443	1616.5	0.27	protein_coding	8	2176394	21771371	docking protein 2, 58kDa
986	ENSG000001021237	1631.3	0.27	protein_coding	4	74849784	74849784	platelet factor 4
990	ENSG00000158869	1769.6	0.27	protein_coding	1	161185024	161190489	Fc fragment of IgE, high affinity L receptor for gamma polypeptide
1007	ENSG00000134330	1792.3	0.27	protein_coding	19	47835404	47846008	complement component 5a receptor 2
1021	ENSG00000154656	1806.6	0.27	protein_coding	11	19102375	19102994	chromosome 11 open reading frame 89
1028	ENSG00000088514	1819.3	0.27	protein_coding	7	99968153	99969719	paired immunoglobulin-like type 2 receptor alpha
1040	ENSG00000136490	1833	0.27	protein_coding	17	61773262	61778532	LIM domain containing 2
1072	ENSG0000017183	1874.8	0.27	protein_coding	15	98139264	98139714	interferon stimulated nucleotidase gene 20kDa
1068	ENSG00000153064	1905.2	0.27	protein_coding	4	10233443	102695869	B-cell scaffold protein with ankyrin repeats 1
1106	ENSG00000077238	1918	0.27	protein_coding	16	27324889	27376099	interleukin 4 receptor
1135	ENSG00000110769	1989.2	0.27	protein_coding	1	26905252	26901501	rhomboid protein 58 kDa, 90kDa, polypeptide 1
1136	ENSG00000098570	1970.8	0.27	protein_coding	9	13050596	130541020	SH2 domain containing 3C
1145	ENSG00000110985	2045.8	0.27	protein_coding	11	2318875	2324279	chromosome 11 open reading frame 21
1213	ENSG00000104948	2048.3	0.27	protein_coding	19	6222169	6222169	lymphocyte cytosolic protein 2, SH2 domain containing tyrosine kinase of 76kDa
1285	ENSG00000043462	2123	0.27	protein_coding	5	169673241	169725231	cytochrome c oxidase subunit 1b pseudogene 3
1347	ENSG00000095163	2128.5	0.27	protein_coding	5	156993089	156992808	cytoplasmic FMRI interacting protein 2
1374	ENSG00000188909	2223.7	0.27	protein_coding	17	61652163	61652163	mitogen-activated protein kinase kinase kinase 3
1241	ENSG00000198876	2259.9	0.27	protein_coding	9	34036355	34127397	COB1 and CLU4 associated factor 12
1376	ENSG0000011859	2304.3	0.27	protein_coding	6	11183311	11182881	neural precursor cell expressed, developmentally down-regulated 9
1486	ENSG00000121168	2348.1	0.27	protein_coding	21	346921	346921	interleukin alpha, beta and omega receptor 3
1530	ENSG00000135842	2485.3	0.27	protein_coding	1	18475958	18483882	family with sequence similarity 129, member A
1548	ENSG00000131334	2500.9	0.27	protein_coding	10	12970525	12988419	protein tyrosine phosphatase, receptor type, E
1562	ENSG00000102109	2509.3	0.27	protein_coding	12	7874577	78803469	ovalbumin binding protein-like B
1626	ENSG00000153029	2605.3	0.27	protein_coding	1	19103067	191031074	major histocompatibility complex, class I related
1684	ENSG00000198421	2659.2	0.27	protein_coding	4	40152673	40248887	ras homolog family member H
1861	ENSG00000159174	2697.1	0.27	protein_coding	11	11488245	11488245	polyoma virus beta binding protein 5
1861	ENSG00000189912	2697.1	0.27	protein_coding	15	31231144	31293810	myoglobin related protein 10
1704	ENSG00000186501	2710.5	0.27	protein_coding	16	23847322	24231932	protein kinase C, beta
1752	ENSG00000186550	2767	0.27	protein_coding	20	6037076	20699131	Rai1 GTPase activating protein, alpha subunit 2 (catalytic)
1800	ENSG00000108715	2792	0.27	protein_coding	6	79374727	79374727	phosphotyrosine phosphatase 5
1921	ENSG00000038219	3038.1	0.27	protein_coding	4	13570362	13570362	ionization of chromosomes in cell division 1 like 1
2021	ENSG00000104716	3179.8	0.27	protein_coding	8	560146	560146	glutamate-rich 1
2037	ENSG000001021016	3207.9	0.27	protein_coding	11	5131975	5131975	muslin-like 8
2097	ENSG0000005810	3291	0.27	protein_coding	13	77618762	77601185	MYC binding protein 2, E3 ubiquitin protein ligase
2119	ENSG00000054803	3313.1	0.27	protein_coding	11	14965428	14915408	yeast (K) specific methyltransferase 2E
2238	ENSG00000186438	3407.9	0.27	protein_coding	11	74459913	74453428	zinc finger protein 199
2289	ENSG00000214013	3585.7	0.27	protein_coding	15	42565431	42655484	glucosylase, alpha, neutral C
2340	ENSG00000186229	3674.8	0.27	protein_coding	19	20991110	20991122	zinc finger protein 86
2477	ENSG00000133626	3801.7	0.27	protein_coding	11	65122238	65125084	upper transposable element derived 3
2487	ENSG00000256436	3817.1	0.27	protein_coding	12	11182986	11184000	taste receptor, type 2, member 3
2808	ENSG00000198099	3871	0.27	protein_coding	22	31884674	32014572	SH1 homolog, spiracle assembly associated (yeast)
2829	ENSG00000081969	3918.3	0.27	protein_coding	16	19896468	19923299	zinc finger protein 506
2702	ENSG00000255374	4188.8	0.27	protein_coding	12	11243886	11244912	taste receptor, type 2, member 43
2976	ENSG00000102043	4637	0.27	protein_coding	8	63444187	63415133	myoblastin related protein 8
2984	ENSG00000102043	4638	0.27	protein_coding	8	13525161	13525161	interleukin 1
3178	ENSG00000186435	5019.3	0.27	protein_coding	11	74518784	74602405	X-ray radiation resistance associated 1
3784	ENSG00000119958	5932.2	0.27	protein_coding	14	75119736	75203037	prospero homeobox 2
3829	ENSG000001021458	6023.8	0.27	protein_coding	1	24818250	248186188	olfactory receptor, family 2, subfamily L, member 5
3939	ENSG00000181074	6189.9	0.27	protein_coding	11	5775923	5776999	olfactory receptor, family 52, subfamily N, member 4 (genepseudogene)
3989	ENSG00000188199	6234.1	0.27	protein_coding	10	81462963	81474437	KUJ1 family member 2B
2929	ENSG00000202027	6235.7	0.27	rRNA	1	15847020	15847020	RNA, 5S nuclear pseudogene 197
1862	ENSG00000202026	2680.7	0.27	snoRNA	5	13999252	13999377	Small nuclear RNA, SNORA27
2245	ENSG00000202027	3506	0.27	snoRNA	10	27077346	27078068	Small nuclear RNA, SNORA57
1977	ENSG00000186263	4881.1	0.27	snoRNA	4	15522615	15522615	Small nuclear RNA
1861	ENSG00000202402	1315.2	0.27	snoRNA	2	19198676	19198676	RNA, U6 small nuclear 95S, pseudogene
665	ENSG000002028848	2963.3	0.27	snoRNA	6	42631900	42632008	RNA, U6 small nuclear 80S, pseudogene
2494	ENSG00000102118	3206	0.27	snoRNA	12	12458682	12458682	RNA, U6 small nuclear 80S, pseudogene
2303	ENSG00000252026	3623.3	0.27	snoRNA	16	68318126	68318221	RNA, U6 small nuclear 12S2, pseudogene
2459	ENSG00000201198	3760	0.27	snoRNA	12	57890079	57890196	RNA, U6 small nuclear 87S, pseudogene
2447	ENSG00000181818	3821.1	0.27	snoRNA	18	58639623	58639623	RNA, U6 subnuclear RNA
2506	ENSG00000207508	3887.1	0.27	snoRNA	1	40643515	40643521	RNA, U6 small nuclear 1237, pseudogene
2844	ENSG00000202788	4089.9	0.27	snoRNA	3	62585882	62585899	RNA, U6 small nuclear 85S, pseudogene
1151	ENSG00000201228	4208.3	0.27	snoRNA	3	142139037	142139114	RNA, U1 small nuclear 100, pseudogene
3764	ENSG00000251967	5888.8	0.27	snoRNA	10	11965180	11965287	RNA, U6 small nuclear 109S, pseudogene
3036	ENSG00000211767	1137.9	0.27	TR_V_gene	7	142484531	142484579	T cell receptor beta joining 2-3
2162	ENSG0000021869	3427.3	0.27	TR_V_gene	14	22924241	22924288	T cell receptor delta joining 4
576	ENSG00000111721	1206.8	0.27	TR_V_gene	7	142180515	142181016	T cell receptor beta variable 6-5
701	ENSG00000211695	1391.1	0.27	TR_V_gene	7	38356618	38356462	T cell receptor gamma variable 9
3744	ENSG00000204578	5863.1	0.27	TR_V_pseudogene	7	142349249	142349999	T cell receptor beta variable 22-1 (pseudogene)
4000	ENSG00000204574	3759.8	0.27	transcribed_processed_pseudo_gene	12	11229366	11231770	taste receptor, type 2, member 64 pseudogene
3996	ENSG00000170858	6262	0.27	transcribed_processed_pseudo_gene	19	56219700	56224965	leukocyte immunoglobulin-like receptor pseudogene 2
4130	ENSG00000125997	6441.2	0.27	transcribed_unprocessed_pseudo_gene	20	31935526	31942250	BPI fold containing family B, member 9, pseudogene
4189	ENSG00000241527	6519.7	0.27	unitary_pseudogene	22	19019077	19022077	carbonic anhydrase XV, pseudogene 1
2441	ENSG00000253328	3816.2	0.27	unprocessed_pseudogene	8	103254268	103254847	SUMO2 pseudogene 19
3975	ENSG00000202846	6282.2	0.27	unprocessed_pseudogene	11	5587908	5588988	olfactory receptor, family 52, subfamily I, member 1 pseudogene
4000	ENSG00000202021	6294.1	0.27	unprocessed_pseudogene	1	16843862	16843862	Rev1 containing nucleotidase 1 pseudogene
4042	ENSG00000238024	6319.4	0.27	unprocessed_pseudogene	6	29909898	29981382	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B pseudogene 2
4062	ENSG00000201241	6319.9	0.27	unprocessed_pseudogene	19	15774916	15780636	cytochrome P450, family 4, subfamily F, polypeptide 10, pseudogene
1376	ENSG000002028618	2358.7	0.27					
1423	ENSG00000202342	2359.9	0.27					
1904	ENSG00000204611	2422.4	0.27					
1618	ENSG00000208745	2597.1	0.27					
1720	ENSG00000238144	2739.4	0.27			169231843	169231846	Small nuclear RNA U13
1919	ENSG00000216302	2910	0.27					
1899	ENSG000002089051	3002	0.27					
1920	ENSG00000238975	3025.5	0.27			113195210	113195310	Small nuclear RNA U13
1903	ENSG00000241893	3105.5	0.27					
1994	ENSG00000252056	3151	0.27			238028688	238028737	RNA, U6 small nuclear 2, pseudogene
2016	ENSG00000232184	3173.5	0.27					
2055	ENSG00000251869	3237	0.27					
2153	ENSG00000231964	3368.8	0.27					
21								

3105	ENSG00000265887	48513	0.27						
3102	ENSG00000265888	5008	0.27						
3212	ENSG00000229448	50397	0.27						
3260	ENSG00000229832	51239	0.27						
3268	ENSG00000265878	51306	0.27						
3303	ENSG00000244747	51367	0.27						
3328	ENSG00000253358	52394	0.27						
3342	ENSG00000244034	52555	0.27						
3375	ENSG00000239649	53174	0.27	10	103862019	103862089			Small nucleolar RNA SNORD112
3399	ENSG00000265875	53603	0.27						
3445	ENSG00000232557	54828	0.27						
3484	ENSG00000269010	5492	0.27						
3489	ENSG00000271760	54939	0.27						
3476	ENSG00000246130	54698	0.27						
3540	ENSG00000238918	55599	0.27	10	73085085	73085188			Small nucleolar RNA U13
3542	ENSG00000229351	55606	0.27						
3551	ENSG00000232528	55743	0.27						
3573	ENSG00000232126	56059	0.27						
3575	ENSG00000251864	56035	0.27						
3582	ENSG00000281228	56127	0.27						
3589	ENSG00000229628	56271	0.27						
3591	ENSG00000294520	56385	0.27						
3603	ENSG00000237168	56494	0.27						
3622	ENSG00000232880	56800	0.27						
3629	ENSG00000232469	56887	0.27						
3676	ENSG00000255142	57538	0.27						
3681	ENSG00000219554	57694	0.27						
3688	ENSG00000230558	57861	0.27						
3709	ENSG00000233029	58139	0.27						
3726	ENSG00000271258	58373	0.27						
3758	ENSG00000255154	58529	0.27						
3771	ENSG00000238091	59034	0.27	7	5911386	5911381			RNA 75L cytoplasmic 556, pseudogene
3781	ENSG00000238552	59122	0.27	2	114204962	114205429			HDCM45P, Uncharacterized protein
3803	ENSG00000238947	59411	0.27	17	80099539	80099649			Small nucleolar RNA U13
3802	ENSG00000232752	59785	0.27						
3803	ENSG00000236020	59789	0.27						
3810	ENSG00000236190	59931	0.27						
3812	ENSG00000250877	59938	0.27						
3821	ENSG00000236871	60043	0.27						
3822	ENSG00000230751	60048	0.27						
3830	ENSG00000280012	60176	0.27						
3838	ENSG00000267096	60594	0.27						
3861	ENSG00000282715	60715	0.27						
3870	ENSG00000265128	60883	0.27						
3883	ENSG00000265995	61065	0.27						
3886	ENSG00000265968	61112	0.27						
3888	ENSG00000237734	61145	0.27						
3922	ENSG00000240881	61819	0.27						
3937	ENSG00000240496	61867	0.27						
3942	ENSG00000219284	61927	0.27						
3944	ENSG00000238902	61988	0.27						
3971	ENSG00000232210	62538	0.27	7	7415796	7415680			prohibitin pseudogene 15
3982	ENSG00000232022	62483	0.27						
4013	ENSG00000238495	62747	0.27						
4024	ENSG00000234372	62826	0.27						
4026	ENSG00000280723	62841	0.27						
4068	ENSG00000230228	64133	0.27						
4100	ENSG00000230461	64133	0.27						
4104	ENSG00000233716	64134	0.27						
4149	ENSG00000248356	64811	0.27						
1946	ENSG00000230355	29641	0.26						
3280	ENSG00000231177	LINC00852	51471	0.26	antisense	X	30718115	30742291	GK antisense RNA 1
3762	ENSG00000232131	LINC00852	51471	0.26	antisense	3	10326103	10327430	long intergenic non-protein coding RNA 852
1113	ENSG00000252724	TMPRSS4-AS1	54824	0.26	antisense	6	128119002	128140034	NCX4 antisense RNA 1
4121	ENSG00000230588	LINC00852	51471	0.26	antisense	X	11788467	117870508	TMPRSS4 antisense RNA 1
1757	ENSG00000204163	LINC00877	29042	0.26	lincRNA	X	69383692	69385056	IGFBP1 antisense RNA 1
3808	ENSG00000230724	LINC00877	29042	0.26	lincRNA	3	72044451	72041716	long intergenic non-protein coding RNA 877
4155	ENSG00000237679	LINC00877	64713	0.26	lincRNA	13	127115	130612	long intergenic non-protein coding RNA 1001
3500	ENSG00000294295	MIR3922	55099	0.26	miRNA	12	31377343	31384782	long intergenic non-protein coding RNA 398
3855	ENSG00000245338	MIR5206	60078	0.26	miRNA	13	104985411	104985494	miR5206 3922
2810	ENSG00000200985	3695	0.26	misc. RNA	11	13708907	13708205		miscRNA 3708
2932	ENSG00000218330	38904	0.26	misc. RNA	9	100977972	100978078		Y RNA
3948	ENSG00000230213	40288	0.26	misc. RNA	5	118400332	118400113		Y RNA
2735	ENSG00000202025	42515	0.26	misc. RNA	11	75542250	75543388		Y RNA
3442	ENSG00000238386	54018	0.26	misc. RNA	10	6287894	6287794		Y RNA
3484	ENSG00000254010	56274	0.26	misc. RNA	15	8532673	8532674		Y RNA
4057	ENSG00000239247	63505	0.26	misc. RNA	4	2317926	2318233		RNA 75L, cytoplasmic 589, pseudogene
4075	ENSG00000230298	63745	0.26	misc. RNA	1	27581955	27582028		Y RNA
4255	ENSG00000230298	63745	0.26	misc. RNA	10	2517451	2517741		RNA 75L small nuclear pseudogene 241
2211	ENSG00000249225	34253	0.26	processed_pseudogene	12	12065263	12065594		ribosomal protein S20 pseudogene 31
2197	ENSG00000176268	3462	0.26	processed_pseudogene	13	41437735	41438038		cytochrome c, somatic pseudogene 34
2427	ENSG00000292026	38073	0.26	processed_pseudogene	15	10100734	10109159		protein kinase, X-linked, pseudogene 1
2946	ENSG00000234981	2574	0.26	processed_pseudogene	15	12662145	12660995		phosphatidylinositol glycan anchor biosynthesis, class 4, pseudogene 2
3290	ENSG00000249947	51612	0.26	processed_pseudogene	5	11220791	11222142		X-box binding protein 1 pseudogene 1
3537	ENSG00000231522	55533	0.26	processed_pseudogene	2	61143954	61165184		non-PQJ domain containing, octamer-binding pseudogene 2
3815	ENSG00000230215	60111	0.26	processed_pseudogene	6	7831940	7831978		heat shock 10kDa protein 1 pseudogene 25
3915	ENSG00000219881	61475	0.26	processed_pseudogene	6	70456763	70456763		glyceraldehyde 3-phosphate dehydrogenase pseudogene 42
3950	ENSG00000252141	6190	0.26	processed_pseudogene	11	398411	395407		heterogeneous nuclear ribonucleoprotein A1 pseudogene 76
4008	ENSG00000230436	62725	0.26	processed_pseudogene	11	84389804	84387723		collet-coiled-coiled-coiled-beta domain containing 2 pseudogene 5
4038	ENSG00000213384	63174	0.26	processed_pseudogene	20	20460354	20460608		eukaryotic translation initiation factor 4E family member 2 pseudogene 1
4040	ENSG00000231087	FDRP2	63191	0.26	processed_pseudogene	7	76997514	76998087	laminyl dihydrofolate synthase pseudogene 7
4056	ENSG00000230380	63204	0.26	processed_pseudogene	7	190962497	190964569		laminyl dihydrofolate synthase pseudogene 2
4111	ENSG00000231981	64319	0.26	processed_pseudogene	20	62921540	62924351		caspasic transcriptional repressor pseudogene 4
4176	ENSG00000214272	64620	0.26	processed_pseudogene	13	99601973	99602701		ribosomal protein L7-like 1 pseudogene 12
4178	ENSG00000240305	64936	0.26	processed_pseudogene	6	160133833	160135017		antigenic factor with G patch and FHA domain 1 pseudogene 1
4184	ENSG00000241527	65241	0.26	processed_pseudogene	8	12063266	12063398		heterogeneous nuclear ribonucleoprotein H1 pseudogene 1
2049	ENSG00000231620	MIR5A	65241	0.26	processed_pseudogene	13	20621209	20620958	ectonucleotide cyrophosphatase/phosphodiesterase 7 pseudogene 12
3510	ENSG00000236088	LINC01050874	55254	0.26	processed_transcript	17	13659796	13978212	cleaved in lymphocytes, nuclear 2 (non-coding coding)
838	ENSG00000170989	SLFR1	12871	0.26	protein_coding	1	101702444	101707074	COX10 antisense RNA 1
833	ENSG00000216952	GLR1	16941	0.26	protein_coding	1	65472952	65494113	sphingosine 1-phosphate receptor 1
837	ENSG00000122684	GLR2	16888	0.26	protein_coding	9	36136732	36136910	GLI pathogenesis-related 2
912	ENSG00000385285	FCNT1	17465	0.26	protein_coding	9	137891431	137892699	ficollin (collagen/hyalinogen domain containing) 1
1008	ENSG00000218473	CTD1	17551	0.26	protein_coding	1	958149707	958145886	CD14 molecule
1073	ENSG00000198188	HSD17B11	17863	0.26	protein_coding	4	88257762	88122538	hydroxysteroid (17-beta) dehydrogenase 11
1097	ENSG00000192759	GFP	1805	0.26	protein_coding	X	47483812	47489704	complement factor properdin
1206	ENSG00000230737	RNF168	20743	0.26	protein_coding	16	98739003	98737206	ring finger protein 168
1234	ENSG00000104680	LEPROTL1	21048	0.26	protein_coding	8	29852914	3004724	leptin receptor overlapping transcript-like 1
1259	ENSG00000192335	APOL2	21279	0.26	protein_coding	22	38622256	38638000	apolipoprotein L 2
1342	ENSG00000191895	TRAC	22062	0.26	protein_coding	17	76139049	76139049	transmembrane channel-like 8
1357	ENSG00000140878	ITGA3	22737	0.26	protein_coding	16	31356455	31394318	integrin, alpha X (complement component 3 receptor 4 subunit)
1389	ENSG00000186071	CDC80B	23162	0.26	protein_coding	11	64117695	64125006	collet-coiled-coiled-coiled-beta domain containing 8B8
1400	ENSG00000231628	ARHGAP1	23373	0.26	protein_coding	19	52391228	52394302	Rho guanine nucleotide exchange factor (GEF) 1
1408	ENSG000002008130	NADK	23466	0.26	protein_coding	1	1682671	1711896	NAD kinase
1449	ENSG00000129675	ARHGAP8	23959	0.26	protein_coding	X	13574706	13584247	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6
1542	ENSG00000203585	NAMPT	24582	0.26	protein_coding	7	10588871	10590772	nicotinamide phosphoribosyltransferase
1569	ENSG00000153565	IFI16	25233	0.26	protein_coding	1	15899758	15904245	interferon, gamma-inducible protein 16
1579	ENSG00000171789	RPS8K3	25344	0.26	protein_coding	X	20180269	20285523	ribosomal protein S8 kinase, 80kDa, polypeptide 3
1673	ENSG00000231514	UBXD8	25384	0.26	protein_coding	8	6932623	69384060	UBX domain protein 28
1699	ENSG00000188918	INPP5D	25515	0.26	protein_coding	2	23394477	234119548	inositol polyphosphate-5-phosphatase, 145kDa
1698	ENSG00000205413	SAMD9	25599	0.26	protein_coding	7	9272829	9274328	sterile alpha motif domain containing 9
1851	ENSG00000185991	NELF2L1	25952	0.26	protein_coding	13	59914961	59915003	NEDA4 binding protein 2-like 1
1857	ENSG00000209303	ERAP1	26174	0.26	protein_coding	12	96986821	96915383	endoplasmic reticulum aminopeptidase 1
1728	ENSG00000108799	EDH1	27582	0.26	protein_coding	17	40852293	40897071	enhancer of zeste homolog 1 (Drosophila)
1738	ENSG00000135691	ACTR1	27685	0.26	protein_coding	2	114647507	114726173	ARF3 activator-binding protein 3 homolog (yeast)
1733	ENSG00000193943	CT4orf109	28144	0.26	protein_coding	14	91549927	91691178	chromosome 4 open reading frame 109
1777	ENSG00000170802	FOXN2	28447	0.26	protein_coding	2	48541776	48604433	forkhead box N2

2181	ENSG00000132549	VPS13B	34991	0.26	protein_coding	8	100025484	100898008	vacuolar protein sorting 13 homolog B (yeast)
2221	ENSG00000205997	DICER1	34173	0.26	protein_coding	14	95512565	95512447	disc 1 (Drosophila) type II
2233	ENSG00000174485	DENND4A	34823	0.26	protein_coding	15	69590384	69046311	DENND4D domain containing 4A
2254	ENSG00000176763	RUFY1	3524	0.26	protein_coding	5	178977559	17907027	RUN and FYVE domain containing 1
2262	ENSG00000156342	CC2D2A	35733	0.26	protein_coding	4	15417489	15603180	coiled-coil and C2 domain containing 2A
2287	ENSG00000114843	NKX1	35265	0.26	protein_coding	7	62452156	62902227	natural killer-killer recognition sequence 2
2333	ENSG00000267860	ZNF224	36612	0.26	protein_coding	19	44598452	44612479	zinc finger protein 224
2515	ENSG00000176436	SYNE3	39003	0.26	protein_coding	14	69843831	69842173	spectrin repeat containing, nuclear envelope family member 3
2520	ENSG00000272916	NBST2	39084	0.26	protein_coding	10	76586072	75714409	Bifunctional heparan sulfite N-deacetylase/sulfotransferase 2
2521	ENSG00000115760	BIRC6	39011	0.26	protein_coding	2	92562096	92643966	baculoviral IAP repeat containing 6
2531	ENSG00000125595	BKZ2B	36534	0.26	protein_coding	2	160175490	160472603	broctonomin adjacent to zinc finger domain 2B
2568	ENSG00000191758	ZNF81	42654	0.26	protein_coding	X	47681801	47681801	zinc finger protein 81
2665	ENSG00000116978	ATAD2B	41234	0.26	protein_coding	2	23971534	24149984	ATPase family, AAA domain containing 2B
2677	ENSG00000126070	AGO3	41514	0.26	protein_coding	1	36396319	36358101	argonaute HSC catalytic component 3
2812	ENSG00000157662	ZNF701	43171	0.26	protein_coding	19	33069075	33069027	zinc finger protein 701
3007	ENSG00000173878	SPDY6E	46788	0.26	protein_coding	7	10220772	10220147	speedy/RINGO cell cycle regulator family member E2B
3097	ENSG00000197962	CLEC4E	57946	0.26	protein_coding	12	10183276	10218565	C-type lectin domain family 9, member A
3796	ENSG00000204709	ZNF644	59173	0.26	protein_coding	19	12636184	12662356	zinc finger protein 564
3906	ENSG00000267178	ZNF763	61327	0.26	protein_coding	19	12035890	12090105	Uncharacterized protein. Zinc finger protein 763
4068	ENSG00000225840	LOC101928448	63675	0.26	protein_coding	5	55807394	55912059	Homo sapiens uncharacterized LOC101928448 (LOC101928448), mRNA
4099	ENSG00000111023	DR56B1	64503	0.26	protein_coding	11	5757681	57575768	olfactory receptor, family 5c, subfamily B, member 1
4163	ENSG00000197272	IL27	6481	0.26	protein_coding	16	28510683	28523372	interleukin 27
4177	ENSG00000273398	IL27	65013	0.26	protein_coding	2	68356370	68488362	Calciumium subunit B type 1
4205	ENSG00000100032	SEC14L3	65386	0.26	protein_coding	22	30643945	30690908	SEC14-like (S. cerevisiae)
4401	ENSG00000196396	OR4L8	68521	0.26	protein_coding	1	24811260	248113098	olfactory receptor, family 2, subfamily L, member 8 (genepseudogene)
2476	ENSG00000251785		38803	0.26	rRNA	1	78980554	78980507	RNA, SS rribosomal pseudogene 20
2569	ENSG00000228862		40254	0.26	snRNA	2	20786606	20786768	KL7 (ribosomal transcript 1 (non-protein coding))
1735	ENSG00000228866		27673	0.26	snRNA	7	37390747	37390846	RNA, U6 small nuclear 58S, pseudogene
2148	ENSG00000252155		33625	0.26	snRNA	1	25667462	25667525	RNA, U6 small nuclear 1171, pseudogene
2230	ENSG00000227263		34072	0.26	snRNA	1	11317341	11317346	RNA, U4 small nuclear 70, pseudogene
2259	ENSG00000201076		35334	0.26	snRNA	2	61138438	61138577	RNA, U4 small nuclear 51, pseudogene
2289	ENSG00000272359		37094	0.26	snRNA	3	196474063	196474195	RNA, U4 splicesome RNA
2375	ENSG00000211681		43413	0.26	snRNA	15	13202728	13203739	RNA, U6 small nuclear 177, pseudogene
2463	ENSG00000252113		38774	0.26	snRNA	X	44744751	44744811	RNA, U6 small nuclear 523, pseudogene
2804	ENSG00000202682		40431	0.26	snRNA	3	176843905	176843908	RNA, U6 small nuclear 681, pseudogene
2798	ENSG00000202682		43413	0.26	snRNA	15	90429717	90429863	RNA, U6 small nuclear 1111, pseudogene
3515	ENSG00000206915		52177	0.26	snRNA	3	57534555	57534672	RNA, U6 small nuclear 483, pseudogene
3454	ENSG00000252994		54413	0.26	snRNA	10	104563686	104563788	RNA, U6 small nuclear 1231, pseudogene
3500	ENSG00000244117		61678	0.26	snRNA	16	8790313	8790374	RNA, U7 small nuclear 63, pseudogene
3905	ENSG00000203170		61307	0.26	snRNA	2	18744633	18744734	RNA, U6 small nuclear 1215, pseudogene
769	ENSG00000211829		14603	0.26	TR, C_gene	14	22931924	22934779	T cell receptor delta constant
8010	ENSG00000269689		58058	0.26	TR, C_gene	14	22918058	22918117	T cell receptor delta diversity 3
1722	ENSG00000211862		27415	0.26	TR, J_gene	14	22985251	22985309	T cell receptor alpha joining 27
1796	ENSG00000211846		28745	0.26	TR, J_gene	14	22964886	22964949	T cell receptor alpha joining 43
2599	ENSG00000211818		40353	0.26	TR, J_gene	14	22717939	22717939	T cell receptor alpha variable 39
1918	ENSG000002048124		30029	0.26	transcribed_unprocessed_pseudogene	16	21807361	21831731	RNA polymerase I transcription factor homolog (S. cerevisiae) pseudogene 1
2467	ENSG00000241350		34653	0.26	transcribed_unprocessed_pseudogene	7	76640868	76641570	postmeiotic segregation increased 2 pseudogene 11
2523	ENSG00000272696		39136	0.26	unprocessed_pseudogene	7	63815456	63816577	tripartite motif containing 80 pseudogene 18
4003	ENSG00000204198		62072	0.26	unprocessed_pseudogene	8	80118307	80144308	ectonucleoside diphosphate kinase/phosphotransferase 2 pseudogene 1
4007	ENSG00000217456		62017	0.26	unprocessed_pseudogene	1	24813043	248138955	olfactory receptor, family 2, subfamily L, member 9 pseudogene
4123	ENSG00000246288		64358	0.26	unprocessed_pseudogene	22	17126585	17127471	solute carrier family 25 (mitochondrial carrier, ornithine transporter) member 15 pseudogene 5
4337	ENSG00000252023	OR7E2P	67342	0.26	unprocessed_pseudogene	11	86568101	86568889	olfactory receptor, family 7, subfamily E, member 2 pseudogene
549	ENSG00000202986		11923	0.26	unprocessed_pseudogene	11	11923	11923	
679	ENSG00000266562		13377	0.26	unprocessed_pseudogene	11	13377	13377	
963	ENSG00000272760		17048	0.26	unprocessed_pseudogene	11	17048	17048	
1217	ENSG00000273348		20515	0.26	unprocessed_pseudogene	11	20515	20515	
1419	ENSG00000259884		23653	0.26	unprocessed_pseudogene	11	23653	23653	
1474	ENSG00000287731		24119	0.26	unprocessed_pseudogene	11	24119	24119	
1480	ENSG00000273468		24455	0.26	unprocessed_pseudogene	11	24455	24455	
1724	ENSG00000272316		27489	0.26	unprocessed_pseudogene	11	27489	27489	
1802	ENSG00000289995		29887	0.26	unprocessed_pseudogene	11	29887	29887	
1813	ENSG00000286311		29678	0.26	unprocessed_pseudogene	8	82554927	82555027	Small nuclear RNA U13
1896	ENSG00000241686		30002	0.26	unprocessed_pseudogene	8	134527458	134527932	Small nuclear RNA U13
1914	ENSG00000259940		30222	0.26	unprocessed_pseudogene	8	30222	30222	
1926	ENSG00000215569		31052	0.26	unprocessed_pseudogene	8	31052	31052	
1962	ENSG00000248245		31509	0.26	unprocessed_pseudogene	8	31509	31509	
2002	ENSG00000273131		31599	0.26	unprocessed_pseudogene	8	31599	31599	
2009	ENSG00000210243	NBP11	31629	0.26	protein_coding	1	146032647	14602765	neuroblastoma breakpoint family, member 11
2022	ENSG00000244158		31843	0.26	unprocessed_pseudogene	8	31843	31843	
2042	ENSG00000287852		32117	0.26	unprocessed_pseudogene	8	32117	32117	
2051	ENSG00000252028		32285	0.26	unprocessed_pseudogene	8	32285	32285	
2066	ENSG00000202956		32495	0.26	unprocessed_pseudogene	8	32495	32495	
2070	ENSG00000229151		32511	0.26	unprocessed_pseudogene	8	32511	32511	
2086	ENSG00000215620		34475	0.26	unprocessed_pseudogene	10	52345310	52345463	RNA component of mitochondrial RNA processing endonuclease pseudogene 4
2268	ENSG00000273445		35040	0.26	unprocessed_pseudogene	10	35040	35040	
2280	ENSG00000234040		35899	0.26	unprocessed_pseudogene	10	35899	35899	
2317	ENSG00000224463		36075	0.26	unprocessed_pseudogene	10	36075	36075	
2348	ENSG00000185710		36863	0.26	unprocessed_pseudogene	10	36863	36863	
2378	ENSG00000224446		37281	0.26	unprocessed_pseudogene	10	37281	37281	
2404	ENSG00000221717		37618	0.26	unprocessed_pseudogene	10	37618	37618	
2413	ENSG00000258302		3774	0.26	unprocessed_pseudogene	10	3774	3774	
2467	ENSG00000225805		38353	0.26	unprocessed_pseudogene	10	38353	38353	
2463	ENSG00000255196		38475	0.26	unprocessed_pseudogene	10	38475	38475	
2465	ENSG00000270721		38929	0.26	unprocessed_pseudogene	10	38929	38929	
2495	ENSG00000241169		38772	0.26	unprocessed_pseudogene	10	38772	38772	
2596	ENSG00000287766		40526	0.26	unprocessed_pseudogene	10	40526	40526	
2609	ENSG00000270334		40526	0.26	unprocessed_pseudogene	10	40526	40526	
2614	ENSG00000251962		4059	0.26	unprocessed_pseudogene	10	4059	4059	
2676	ENSG00000286992		41424	0.26	unprocessed_pseudogene	10	41424	41424	
2680	ENSG00000286991		41758	0.26	unprocessed_pseudogene	10	41758	41758	
2708	ENSG00000272072		42027	0.26	unprocessed_pseudogene	10	10313609	10313709	Small nuclear RNA U13
2714	ENSG00000272402		42071	0.26	unprocessed_pseudogene	10	42071	42071	
2743	ENSG00000270188		42668	0.26	unprocessed_pseudogene	10	42668	42668	
2790	ENSG00000268144		4332	0.26	unprocessed_pseudogene	10	4332	4332	
2841	ENSG00000236948		44054	0.26	unprocessed_pseudogene	4	103780550	103780653	Small nuclear RNA U13
2842	ENSG00000190388		44054	0.26	unprocessed_pseudogene	4	103780550	103780653	Small nuclear RNA U13
2850	ENSG00000255959		44167	0.26	unprocessed_pseudogene	4	44167	44167	
2880	ENSG00000226499		44519	0.26	unprocessed_pseudogene	4	44519	44519	
2940	ENSG00000226966		45775	0.26	unprocessed_pseudogene	4	45775	45775	
2967	ENSG00000286657		46118	0.26	unprocessed_pseudogene	17	66536369	66542970	Uncharacterized protein; cDNA FLJ45097 fs, clone BRAW031054
2987	ENSG00000220295		46559	0.26	unprocessed_pseudogene	17	46559	46559	
3008	ENSG00000214744		46818	0.26	unprocessed_pseudogene	17	46818	46818	
3116	ENSG00000287419		48708	0.26					

2801	ENSG00000008344	ZNF264	4345.2	0.25	protein_coding	19	57702988	57724724	zinc finger protein 264
2807	ENSG00000103689	CRHR4L	4358.8	0.25	protein_coding	8	97279859	97297399	chromosome 8 open reading frame 44
2873	ENSG00000189362	TME1184B	4455.4	0.25	protein_coding	2	19139008	19139948	transmembrane protein 184B
2897	ENSG0000011087	GLI1	4588.8	0.25	protein_coding	12	57853918	57860045	GLI family zinc finger 1
2974	ENSG00000186867	RANGE8B	4626.8	0.25	protein_coding	5	130758914	130770629	Rap guanine nucleotide exchange factor (GEF) 6
3121	ENSG00000151128	TAS2R13	4681.5	0.25	protein_coding	12	11809025	11902161	taste receptor, type 2, member 13
3137	ENSG00000174373	RALGAP1A	4917.1	0.25	protein_coding	14	36007558	36278510	Ras guanine nucleotide exchange factor (GEF) 6
3306	ENSG00000226761	TAS2R6B	5254.2	0.25	protein_coding	12	11213964	11214483	taste receptor, type 2, member 46
3365	ENSG00000093266	SIBLEC9	5582.6	0.25	protein_coding	19	51844101	51861710	sialic acid binding to the lectin 9
3629	ENSG00000166377	ATP9B	5696	0.25	protein_coding	18	78829285	77132683	ATPase, class II, type 9B
3815	ENSG00000265298	SPY1E2	5959.5	0.25	protein_coding	12	102187679	102202755	specify/RINGO cell cycle regulator family member E2
3824	ENSG00000268485	HR173	6176	0.25	protein_coding	12	53002954	53013443	heslin 79
3874	ENSG00000256512	HR173	6257.8	0.25	protein_coding	14	102188774	102198859	Uncharacterized protein
4146	ENSG00000287120	PLCXD2	6456.2	0.25	protein_coding	19	36230153	36236333	Uncharacterized protein
4190	ENSG00000203891	PLXND2	6500.1	0.25	protein_coding	3	11136353	11156534	phosphatidylinositol-specific phospholipase C, X domain containing 2
4277	ENSG00000258653	PLXND2	6645.7	0.25	protein_coding	14	74318674	74389891	Uncharacterized protein
4327	ENSG00000134200	TSNB	6717.8	0.25	protein_coding	1	115572415	115576941	thyroid stimulating hormone, beta
4384	ENSG00000181908		6841.7	0.25	protein_coding	11	64216546	64219126	HCG165209L, isoform CRA_a, Uncharacterized protein; cDNA FLJ37045 fs, clone BRACE212185
4532	ENSG00000186912	PFRY4	7021.9	0.25	protein_coding	X	69417816	69417954	pyrimidinic receptor P2Y, G-protein coupled, 4
4624	ENSG00000191621	NUTK6A	7131.8	0.25	protein_coding	10	89895205	89969956	NUT family member 2A
4630	ENSG00000198263	OR52B1	7137	0.25	protein_coding	11	58274648	58275578	olfactory receptor, family 5, subfamily B, member 21
4680	ENSG00000136939	OR1L4	7209.9	0.25	protein_coding	9	12548269	125487204	olfactory receptor, family 1, subfamily L, member 4
4819	ENSG00000203733	PTGR2	7407.8	0.25	protein_coding	8	14264348	142646190	chromosome 8 open reading frame 17
4837	ENSG00000167632	TRAPP9	7429.9	0.25	protein_coding	8	140742866	141468878	trafficking protein particle complex 9
2574	ENSG00000207129		3693	0.25	rRNA	5	87510075	87510193	RNA, SS ribosomal pseudogene 187
1927	ENSG00000102171		3043.3	0.25	snRNA	4	16920260	16920390	Small nuclear RNA SNORA51
1934	ENSG00000208182		4216.8	0.25	snRNA	X	117872018	11787245	Small nuclear RNA SNORA35
1304	ENSG00000203588		4848.9	0.25	snRNA	17	48489734	48489948	Small nuclear RNA U3
4221	ENSG00000203926		6521.6	0.25	snRNA	14	862254	862254	Small nuclear RNA SNORA31
1944	ENSG00000212451		3069.5	0.25	snRNA	8	127683767	127683899	RNA, U1 small nuclear 4, pseudogene
1988	ENSG00000205179		3157.1	0.25	snRNA	4	184627084	184627101	RNA, U5 small nuclear 1053, pseudogene
2007	ENSG00000205695		3419.81	0.25	snRNA	22	31618731	31618839	RNA, U5 small nuclear 1123, pseudogene
2366	ENSG00000205243		3708.1	0.25	snRNA	7	102475052	102475155	RNA, U5 small nuclear 1138, pseudogene
2440	ENSG00000205223		3815.3	0.25	snRNA	7	143451721	143451823	RNA, U5 small nuclear 267, pseudogene
1915	ENSG00000212448		3419.81	0.25	snRNA	8	12960972	12961019	RNA, U5 small nuclear 1128, pseudogene
3688	ENSG00000202237	RNU6-5P	5601.1	0.25	snRNA	13	29277839	29277944	RNA, U5 small nuclear 53, pseudogene
3802	ENSG000002021441		6128	0.25	snRNA	3	186435730	186435935	RNA, U5 small nuclear 646, pseudogene
4044	ENSG00000203980		6317.4	0.25	snRNA	6	111117620	111117725	RNA, U5 small nuclear 1115, pseudogene
4088	ENSG00000212508		6384.8	0.25	snRNA	15	31248451	31248553	RNA, U5 small nuclear 466, pseudogene
2181	ENSG00000211857		3417.4	0.25	TR_2_gene	14	22978325	22978390	T cell receptor alpha joining 32
2421	ENSG000002011844		3789.3	0.25	TR_2_gene	14	22962911	22962976	T cell receptor alpha joining 45
2271	ENSG000002025014		3552.2	0.25	transcribed_unprocessed_pseudo_gene	17	20019137	20016300	potassium channel tetramerization domain containing 9 pseudogene 1
1913	ENSG000000969725	PRKY	2056.1	0.25	transcribed_unprocessed_pseudo_gene	Y	7142013	7249589	protein kinase, Y-linked, pseudogene
3022	ENSG000002034585	CCP6P3	4715.5	0.25	transcribed_unprocessed_pseudo_gene	7	64498732	6453091	chaperonin containing TCP1, subunit 6 (beta) pseudogene 3
4399	ENSG000002048472	DDX11L5	6850.1	0.25	transcribed_unprocessed_pseudo_gene	15	102516758	102519298	DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11 like 9
4653	ENSG000002042435		7174.2	0.25	transcribed_unprocessed_pseudo_gene	7	78633979	78635091	uraplatin 3B pseudogene 1
2437	ENSG000002049089		3813.3	0.25	unprocessed_pseudogene	5	39022513	39022660	androgen-inducible 1 pseudogene 1
3699	ENSG00000186462		5645.5	0.25	unprocessed_pseudogene	16	21391313	21403412	sorting nexin 29 pseudogene 1
3864	ENSG00000202225		6227.3	0.25	unprocessed_pseudogene	9	5109496	5110762	MT-ND5 pseudogene 14
4134	ENSG00000197862		6427.7	0.25	unprocessed_pseudogene	11	86543562	86544491	olfactory receptor, family 1, subfamily E, member 13 pseudogene
4149	ENSG00000204143		6732.2	0.25	unprocessed_pseudogene	11	98569798	98569822	olfactory receptor, family 10, subfamily V, member 3 pseudogene
4360	ENSG00000203926		6521.6	0.25	unprocessed_pseudogene	11	53112913	5311810	olfactory receptor, family 53, subfamily AB, member 1 pseudogene
4462	ENSG00000202880		6929.3	0.25	unprocessed_pseudogene	11	6078546	6079505	olfactory receptor, family 52, subfamily L, member 2 pseudogene
4604	ENSG000002021215		6982.5	0.25	unprocessed_pseudogene	1	248186431	24818720	olfactory receptor, family 2, subfamily L, member 6 pseudogene
4633	ENSG00000205588		7119.2	0.25	unprocessed_pseudogene	12	8401763	8401445	ectonucleoside diphosphate triphosphotriesterase 7 pseudogene 5
1772	ENSG00000208352		1464.8	0.25					
1514	ENSG00000203036		2470.2	0.25					
1420	ENSG00000203033		2617	0.25					
1771	ENSG000002044701		2831.5	0.25					
1818	ENSG00000270592		2909.9	0.25					
1884	ENSG00000205471		2962.4	0.25					
1934	ENSG000002081997		3058.1	0.25					
2053	ENSG00000205095		3233	0.25					
2060	ENSG00000205287		3241.8	0.25					
2108	ENSG000002049138		3297.5	0.25					
2149	ENSG00000214204		3467.3	0.25					
2176	ENSG00000205111		3544.8	0.25					
2320	ENSG00000203888		3634	0.25		2	9119024	9119128	Small nuclear RNA U13
2423	ENSG00000203171		3781.3	0.25		21	30781707	30781810	Small nuclear RNA U13
2435	ENSG00000203244		3811.6	0.25					
2486	ENSG00000202280		3870.7	0.25		7	129045476	129045537	RNA, U7 small nuclear 16 pseudogene
2501	ENSG00000203963		3883	0.25		1	52877114	52877114	Small nuclear RNA U13
2501	ENSG00000203963		3883	0.25					
2510	ENSG00000203607		3962.5	0.25					
2536	ENSG00000212114		3931.9	0.25					
2543	ENSG000002071840		3938.2	0.25					
2557	ENSG00000206898		3958.9	0.25					
2581	ENSG000002053768		4004.3	0.25					
2623	ENSG000002065218		4066.3	0.25					
2651	ENSG00000206073		4092.2	0.25					
2667	ENSG00000204614		4127.4	0.25					
2678	ENSG000002065339		4151.7	0.25					
2688	ENSG00000206904		4168	0.25		5	118804654	118804750	Small nuclear RNA U13
2722	ENSG00000208944		4218.6	0.25					
2737	ENSG00000186275		4254.5	0.25		1	146373546	146467744	neuroblastoma breakpoint1 family, member 12
2742	ENSG00000204728		4266.9	0.25		17	33381407	33381513	Small nuclear RNA U13
2756	ENSG00000208856		4278.8	0.25		20	34304363	34304462	Small nuclear RNA U13
2759	ENSG000002036549		4290.7	0.25		3	172019438	172019888	Uncharacterized protein
2762	ENSG000002087978		4320.2	0.25					
2766	ENSG00000205935		4328.2	0.25					
2847	ENSG00000202527		4414.9	0.25					
2877	ENSG00000207836		4462.2	0.25					
2914	ENSG00000205284		4526	0.25		20	55050699	55050901	Small nuclear RNA U13
2928	ENSG000002050011		4544.9	0.25					
2941	ENSG00000202339		4572.1	0.25					
2964	ENSG00000205268		4592.3	0.25					
2977	ENSG000002053456		4637.6	0.25					
2993	ENSG00000213302		4659.5	0.25					
3006	ENSG00000204327		4677.4	0.25					
3044	ENSG000002043433		4755.2	0.25					
3051	ENSG00000196138		4770.9	0.25					
3078	ENSG00000205869		4801.8	0.25					
3082	ENSG000002051938		4811	0.25		3	47130098	47130169	Small nuclear RNA U13
3093	ENSG00000206321		4831	0.25					
3096	ENSG00000206343		4834.8	0.25					
3115	ENSG000002072625		4870.1	0.25					
3141	ENSG000002087560		4925.3	0.25					
3245	ENSG00000208900		5201.8	0.25		10	12187662	12187765	Small nuclear RNA U13
3252	ENSG000002042198		5099.4	0.25					
3296	ENSG000								

4201	ENSG00000224875	6532	0.25						
4209	ENSG00000255569	6544	0.25						
4219	ENSG00000239012	6553	0.25						
4227	ENSG00000235330	6560	0.25						
4226	ENSG00000228672	6579	0.25						
4251	ENSG00000219151	6587	0.25						
4254	ENSG00000236481	6604	0.25						
4258	ENSG00000240136	6612	0.25						
4278	ENSG00000269234	6651	0.25						
4297	ENSG00000269234	6660	0.25						
4315	ENSG00000237315	6702	0.25						
4321	ENSG00000237315	6711	0.25						
4328	ENSG00000252525	6720	0.25	X	70660367	70660477			Small nuclear RNA U13
4338	ENSG00000220202	6729	0.25						
4342	ENSG00000296768	6747	0.25						
4343	ENSG00000287569	6747	0.25						
4364	ENSG00000249887	6780	0.25						
4371	ENSG00000296368	6797	0.25						
4377	ENSG00000258517	6808	0.25						
4381	ENSG00000256912	6819	0.25						
4382	ENSG00000235443	6821	0.25						
4383	ENSG00000234203	6824	0.25						
4388	ENSG00000224029	6830	0.25						
4402	ENSG00000224704	6854	0.25						
4406	ENSG00000270734	6859	0.25						
4408	ENSG00000243141	6859	0.25						
4410	ENSG00000202926	6862	0.25						
4411	ENSG00000289888	6862	0.25						
4415	ENSG00000257433	6865	0.25						
4418	ENSG00000202962	6868	0.25						
4424	ENSG00000205548	6874	0.25						
4434	ENSG00000225411	6883	0.25						
4444	ENSG00000202102	6902	0.25						
4470	ENSG00000259100	6942	0.25						
4486	ENSG00000240518	6950	0.25						
4485	ENSG00000212693	6952	0.25						
4487	ENSG00000256904	6973	0.25						
4508	ENSG00000262974	6986	0.25						
4512	ENSG00000235489	6989	0.25						
4516	ENSG00000259201	7002	0.25						
4540	ENSG00000232326	7021	0.25						
4548	ENSG00000235984	7026	0.25						
4549	ENSG00000203471	7047	0.25						
4552	ENSG00000270437	7050	0.25						
4558	ENSG00000296861	7055	0.25						
4559	ENSG00000296861	7071	0.25						
4571	ENSG00000254774	7072	0.25						
4578	ENSG00000296861	7078	0.25						
4579	ENSG00000296861	7083	0.25						
4580	ENSG00000233431	7093	0.25						
4584	ENSG00000254443	7096	0.25						
4601	ENSG00000201911	7104	0.25						
4602	ENSG00000223935	7125	0.25						
4625	ENSG00000259109	7131	0.25						
4627	ENSG00000217718	7134	0.25						
4637	ENSG00000254310	7144	0.25						
4655	ENSG00000243483	7172	0.25						
4657	ENSG00000224515	7177	0.25						
4662	ENSG00000223711	7214	0.25						
4688	ENSG00000281369	7221	0.25						
4696	ENSG00000202962	7229	0.25						
4726	ENSG00000240489	7273	0.25						
4742	ENSG00000270981	7287	0.25						
4748	ENSG00000231303	7294	0.25						
4762	ENSG00000248466	7331	0.25						
4779	ENSG00000258977	7352	0.25						
4812	ENSG00000202941	7367	0.25						
4874	ENSG00000205764	7484	0.25						
4883	ENSG00000172653	7491	0.25						
2969	ENSG00000235623	4601	0.24	antisense	307	34181955	34186895		chromosome 17 open reading frame 68
3351	ENSG00000231074	HCG18	5265	0.24	antisense	3011093	3011263		HCG178999: PRC20a3: Uncharacterized protein
3955	ENSG00000240549	THO7-AS1	6218	0.24	antisense	30255174	30254927		HLA complex group 18 (non-protein coding)
4479	ENSG00000230266		7063	0.24	antisense	43846321	43847495		THO7 antisense RNA 1
4490	ENSG00000235822		8338	0.24	lincRNA	106833231	106833844		immunoglobulin heavy variable 7.36.1 (non-coding)
4516	ENSG00000209910	LINC00865	8428	0.24	lincRNA	13	3258822	32588134	long intergenic non-protein coding RNA 1073
4519	ENSG00000245648		7912	0.24	lincRNA	13	14859487	14859187	long intergenic non-protein coding RNA 565
1168	ENSG00000279369	MIR223	2008	0.24	miRNA	X	65238712	65238621	miR223
2899	ENSG00000211513	MIR320E	4034	0.24	miRNA	19	47212950	47212802	miR320E
2920	ENSG00000205459	MIR4783	4619	0.24	miRNA	1	23535349	23535343	miR4783
3295	ENSG00000296919	MIR4642	5170	0.24	miRNA	6	44403378	44403459	miR4642
4218	ENSG00000270766	MIR626	6552	0.24	miRNA	15	41983783	41983876	miR626
4291	ENSG00000202923	MIR643	6834	0.24	miRNA	19	5278569	52785146	miR643
4550	ENSG00000205340	MIR4660	7061	0.24	miRNA	8	8095955	8096028	miR4660
4836	ENSG00000212396	MIR548T	7429	0.24	miRNA	4	174189311	174189384	miR548T
2294	ENSG00000236460		3527	0.24	misc. RNA	4	96278603	96278603	Y RNA
2971	ENSG00000203123		3924	0.24	misc. RNA	4	176839479	176839488	Y RNA
2970	ENSG00000252975		4621	0.24	misc. RNA	4	39711706	39711706	Y RNA
3023	ENSG00000204816		5025	0.24	misc. RNA	4	77442999	77442796	Y RNA
3396	ENSG00000200120		5354	0.24	misc. RNA	15	4842959	4843060	Y RNA
3512	ENSG00000243260		5527	0.24	misc. RNA	4	98782620	98782619	RNA 75L: cytoplasmic 556, pseudogene
3605	ENSG00000256552		9650	0.24	misc. RNA	11	43352811	43352906	1 RNA
3938	ENSG00000294846		8113	0.24	misc. RNA	4	89598851	89599171	RNA 75L: cytoplasmic 552, pseudogene
4180	ENSG00000222430		6479	0.24	misc. RNA	10	10373282	10373281	Y RNA
4604	ENSG00000284862		7108	0.24	misc. RNA	17	29845450	29845745	RNA 75L: cytoplasmic 45, pseudogene
4686	ENSG00000202797		7219	0.24	misc. RNA	17	9453372	9453363	RNA 75L: small nuclear pseudogene 472
4801	ENSG00000244877		7405	0.24	misc. RNA	14	68618337	68618625	RNA 75L: cytoplasmic 706, pseudogene
5248	ENSG00000222099		7949	0.24	misc. RNA	11	10406184	10406901	RNA 75L: small nuclear pseudogene 265
5265	ENSG00000244134		3812	0.24	processed_pseudogene	13	72419211	72419101	ribosomal protein S12 pseudogene 20
2846	ENSG00000202473		4412	0.24	processed_pseudogene	13	41568915	41567467	regulator of G-protein signaling 17 pseudogene 1
3109	ENSG00000244511		4459	0.24	processed_pseudogene	13	52172552	52173396	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit B1 pseudogene 1
3407	ENSG00000204193		4829	0.24	processed_pseudogene	24	2562426	25621134	succinate dehydrogenase complex, subunit C, integral membrane protein pseudogene 9
3465	ENSG00000203946		5452	0.24	processed_pseudogene	1	101406573	101406573	heterogeneous nuclear ribonucleoprotein A1 pseudogene 6B
3633	ENSG00000226796		5548	0.24	processed_pseudogene	1	24378768	24378758	fatty acid binding protein 7, brain pseudogene 1
3658	ENSG00000202970		5712	0.24	processed_pseudogene	6	108619203	108619203	ILM022 pseudogene 8
3882	ENSG00000241136		5720	0.24	processed_pseudogene	7	143479780	143481377	phosphoribosylaminoimidazole carboxamide, phosphoribosylaminoimidazole succinocarboxamide synthetase pseudogene 6
3984	ENSG00000218240		6121	0.24	processed_pseudogene	8	159148779	159147835	archaebacterial family metalloproteinase 2 pseudogene 2
3945	ENSG00000241438		6207	0.24	processed_pseudogene	3	135874391	135874838	lenticarboxin-derived growth factor 1 pseudogene 6
4081	ENSG00000298165		8382	0.24	processed_pseudogene	14	89550115	89552108	DEAD (Asp-Glu-Asp-Asp box) polypeptide 18 pseudogene 1
4340	ENSG00000226870		8737	0.24	processed_pseudogene	22	20837102	20838392	karatin 18 pseudogene 39
4595	ENSG00000243033		7101	0.24	processed_pseudogene	3	14322117	14322115	glyceraldehyde 3 phosphate dehydrogenase pseudogene 47
4616	ENSG00000211026		7122	0.24	processed_pseudogene	16	25081430	25081430	sex comb on midleg-like 2 (Drosophila) pseudogene 2
4658	ENSG00000202937		7178	0.24	processed_pseudogene	6	107559663	107551358	ribosomal protein S24 pseudogene 12
4716	ENSG00000211234		7264	0.24	processed_pseudogene	11	112138013	112139094	suppression of tumorigenesis 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 10
4737	ENSG00000232793		7282	0.24	processed_pseudogene	2	204629176	204629176	karatin 18 pseudogene 39
4782	ENSG00000231956		7354	0.24	processed_pseudogene	7	87150777	87151726	heterogeneous nuclear ribonucleoprotein A1 pseudogene 9
4839	ENSG00000243337		7434	0.24	processed_pseudogene	2	15017167	150177950	family with sequence similarity 8, member A3 pseudogene 1
4867	ENSG00000233469		7476	0.24	processed_pseudogene	13	20392821	20392759	ST6 (alpha-N-acetylneuraminyl-2,6-beta-galactose-1,3)-N-acetylglucosaminase alpha-2,6-sialyltransferase 4 pseudogene 1
4897	ENSG00000228815		7575	0.24	processed_pseudogene	1	45424229	45425269	cyclin B1 interacting protein 1 pseudogene 1
4948	ENSG00000259990		7588	0.24	processed_pseudogene	14	8951849	8951849	metalloproteinase 1 pseudogene 5
4964	ENSG00000214962		7608	0.24	processed_pseudogene	4	78003556	78004279	ribosomal protein L7 pseudogene 17
4988	ENSG00000249283		7612	0.24	processed_pseudogene	4	103883113	103884894	ACTR3B pseudogene 4
5002	ENSG00000292598		7659	0.24	processed_pseudogene	21	17068910	17068900	RAD53 homolog like (L-C. motif) pseudogene
5063	ENSG00000275736		7712	0.24	processed_pseudogene	X	7026350	7026350	suppressor of cytokine signaling 5 pseudogene 4
5103	ENSG00000229376		7780	0.24	processed_pseudogene	1	657472	657472	capicua transcriptional repressor pseudogene 3
5308	ENSG00000216257		8017	0.24	processed_pseudogene	12	68018375	68018368	ribosomal protein L7 pseudogene 42
5345	ENSG00000202011	LEP1-AS1	8147	0.24	antisense	1	109038681	109177992	antisense RNA 1
632	ENSG00000173762	CD7	1538	0.24	protein_coding	17	80272744	80275478	CD7 molecule
859	ENSG00000189039	STR8	1582	0.24	protein_coding	19	10623629	10623607	sphingosine 1-phosphate receptor 5
900	ENSG00000118463	NR12	1678	0.24	protein_coding	16	872845	872845	ILM022 pseudogene 2
1086	ENSG00000169442	CD52	1896	0.24	protein_coding	1	26644448	26647014	CD52 molecule
1180	ENSG00000186871	CXCR2	2051	0.24	protein_coding	2	121899012	121899176	chemokine (C-X-C motif) receptor 2
1194	ENSG00000202998	LITAF	2052	0.24	protein_coding	9	5		

1719	ENSG00000136167	LCP1	2736.9	0.24	protein_coding	13	4670055	4678606	lymphocyte cytosolic protein 1 (L-plastin)
1816	ENSG00000193778	UTY	296.2	0.24	protein_coding	5	1536989	1536953	ubiquitously transcribed tetrahydrobiopterin reductase containing Y-linked
1822	ENSG00000197872	FAM64A	2913.5	0.24	protein_coding	2	16730727	16647599	family with sequence similarity 45, member A
1823	ENSG00000102921	NABP1	2916	0.24	protein_coding	16	48572637	48544059	NEDD4 binding protein 1
1828	ENSG00000171862	PIE1E	2931.1	0.24	protein_coding	10	6622070	6671367	phosphatase and keratin homolog
1830	ENSG00000204212	ITAF5	2934.2	0.24	protein_coding	11	21499957	21346538	TIF receptor associated factor 5
1833	ENSG00000204020	LIPN	3038.8	0.24	protein_coding	10	90521163	90537999	lipase, family member N
2063	ENSG00000195520	SRAP2	3247.2	0.24	protein_coding	7	60710691	27044658	serine kinase associated phosphoprotein 2
2067	ENSG00000191953	PARR14	3248.5	0.24	protein_coding	3	12293945	12294897	poly (ADP-ribose) polymerase family member 14
2073	ENSG00000254788	ORF11CMT11	3255.9	0.24	protein_coding	16	66564490	66613038	ORF11CMT11 readthrough
2109	ENSG00000195526	PKSAP1	3300	0.24	protein_coding	10	9635336	9640271	phosphoinositide-3-kinase adaptor protein 1
2137	ENSG00000203262	MSL3	3338.8	0.24	protein_coding	10	11732678	11733070	male-specific lethal 3 homolog (Drosophila)
2169	ENSG00000115904	SOS1	3392.1	0.24	protein_coding	2	39208537	39351486	son of sevenless homolog 1 (Drosophila)
2189	ENSG00000133961	NLMB	3439	0.24	protein_coding	14	73741815	73930348	numb homolog (Drosophila)
2201	ENSG00000191781	IGFBP5	3462.7	0.24	protein_coding	6	160300311	16034539	insulin-like growth factor 2 receptor
2225	ENSG00000120960	ELF1	3472	0.24	protein_coding	13	41505056	41635576	ET4-like factor 1 (ets domain transcription factor)
2228	ENSG00000121281	ADCY7	3473.3	0.24	protein_coding	16	50280348	50350346	adenylylate cyclase 7
2296	ENSG00000102021	DOX17	3503.8	0.24	protein_coding	22	36879445	36930965	DEAD (Asp-Glu-Ala-Asp) box helicase 17
2296	ENSG00000197442	MARPKS	3591.7	0.24	protein_coding	6	136878185	137113656	mitogen-activated protein kinase kinase kinase 5
2310	ENSG00000172661	FAM118	3622	0.24	protein_coding	10	46220448	46284049	family with sequence similarity 21, member C
2365	ENSG00000121873	PRICK4	3702	0.24	protein_coding	3	17690592	17690781	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit alpha
2417	ENSG00000162924	REL	3785.2	0.24	protein_coding	2	61108556	61168745	vesicular stomatitis virus oncogene homolog
2422	ENSG00000197548	ATG7	3789.7	0.24	protein_coding	3	11313995	11369139	autophagy related 7
2464	ENSG00000205873	ZC3H11A	3848.8	0.24	protein_coding	1	20326162	20326292	zinc finger CCHC-type containing 11A
2509	ENSG00000112486	CCR8	3890.3	0.24	protein_coding	6	167525295	167531184	chemokine (C-C motif) receptor 6
2540	ENSG00000109118	HIVEP2	3935.2	0.24	protein_coding	6	143072604	14326538	human immunodeficiency virus type 1 enhancer binding protein 2
2596	ENSG00000102492	USP94	3978.4	0.24	protein_coding	1	5053002	50580796	ubiquitin specific peptidase 24
2600	ENSG00000121350	PYRXO1	4038.2	0.24	protein_coding	12	21590549	21623300	pyridine nucleotide-disulphide oxidoreductase domain 1
2633	ENSG00000197540	DYRK1A	4078.4	0.24	protein_coding	21	38730992	38889753	dual-specific tyrosine-Y phosphatase regulated kinase 1A
2686	ENSG00000191490	NBR1	4134.8	0.24	protein_coding	26	37663015	37663015	Nesprin-1 homolog (Drosophila)
2710	ENSG00000175464	USP34	4203	0.24	protein_coding	2	61414558	61897904	ubiquitin specific peptidase 34
2715	ENSG00000136932	CtBP1	4207.5	0.24	protein_coding	9	10066871	10084852	chromosome 9 open reading frame 156
2764	ENSG00000102773	ZBTB25	4242.6	0.24	protein_coding	4	64818710	64818710	zinc finger and BTB domain containing 25
2850	ENSG00000158805	ZNF74	4435.4	0.24	protein_coding	16	89786078	89807311	zinc finger protein 275
3012	ENSG00000136837	CEP350	4693.1	0.24	protein_coding	1	179923873	18004015	centrosomal protein 350kDa
3043	ENSG00000105858	ZNF702	4760.3	0.24	protein_coding	14	35443	35443	zinc finger protein 702
3060	ENSG00000165276	TRMT10B	4785.5	0.24	protein_coding	9	37753804	37779669	tRNA methyltransferase 10 homolog B (S. cerevisiae)
3067	ENSG00000116580	GONAL	4793.8	0.24	protein_coding	1	15571958	15582911	gon-4-like (C. elegans)
3169	ENSG00000102689	DIP2A	4792.9	0.24	protein_coding	4	4781812	47869205	DIP2 disc-integrating protein 2 homolog A (Drosophila)
3367	ENSG00000166507	NDST2	5295.1	0.24	protein_coding	10	7551669	7571589	N-deacetyl-N-sulfotransferase (heparan glucosaminyl) 2
3711	ENSG00000146531	LOC10130491	5803	0.24	protein_coding	20	29611857	29634010	FSHD region gene 1 family, member B
4144	ENSG00000101169	RORP2	6445.8	0.24	protein_coding	15	32333674	32333674	retaxin-like family peptide receptor 2
4242	ENSG00000159067	RORP2	6591.4	0.24	protein_coding	17	6779964	6815968	Uncharacterized protein
4553	ENSG00000188771	PLET1	7050.5	0.24	protein_coding	11	11211878	11211878	placenta expressed transcript 1
4734	ENSG00000176588	MKPRND	7261.3	0.24	protein_coding	11	66747490	66749450	MKS-related GPP, member D
4800	ENSG00000191188	CRP114	7407.4	0.24	protein_coding	1	20713689	20713689	olfactory receptor, family 11, subfamily H, member 4
4806	ENSG00000198128	OR2L3	7444.4	0.24	protein_coding	1	24822394	24822422	olfactory receptor, family 2, subfamily L, member 3
4848	ENSG00000181616	OR52H1	7530.8	0.24	protein_coding	11	5969179	5969719	olfactory receptor, family 52, subfamily H, member 1
4814	ENSG00000192196	OR52B1	7540.9	0.24	protein_coding	12	4386493	4386616	olfactory receptor, family 52, subfamily B, member 4
4916	ENSG00000127412	TRPV5	7547.4	0.24	protein_coding	7	142605267	142630005	transient receptor potential cation channel, subfamily V, member 5
4974	ENSG00000179179	C15orf63	7619.9	0.24	protein_coding	15	8860129	8860239	chromosome 15 open reading frame 33
4986	ENSG00000191919	OR56B4	7710.9	0.24	protein_coding	6	6130814	6130814	olfactory receptor, family 56, subfamily B, member 4
5105	ENSG00000246366		7785.1	0.24	protein_coding	8	7152012	71575514	Uncharacterized protein
5108	ENSG00000176349	LOC10128374	7785.1	0.24	protein_coding	7	1876222	1880957	Protein LOC10128374
5136	ENSG00000225310	CERT15	7820.2	0.24	protein_coding	17	14136960	14140179	CMT1A duplicated region transcript 15
5232	ENSG00000165204	OR1K1	79327	0.24	protein_coding	9	12556270	12565395	olfactory receptor, family 1, subfamily K, member 1
5360	ENSG00000222013		6781.8	0.24	rRNA	11	7564590	7564603	rRNA, SS ribosomal pseudogene 244
5394	ENSG00000222346		7024.8	0.24	rRNA	7	11158308	11158320	rRNA, SS ribosomal pseudogene 207
3039	ENSG00000236337		4747	0.24	sense_intronic	14	14702841	14702910	FMR1 intronic transcript 1 (non-protein coding)
4133	ENSG00000231795		6442	0.24	sense_intronic	20	33038735	33042357	ITCH intronic transcript 1 (non-protein coding)
4287	ENSG00000236244		6454.6	0.24	sense_intronic	49	8226351	8227694	P-GEI intronic transcript 1 (non-protein coding)
4145	ENSG00000237738	RNF216-IT1	7587.3	0.24	sense_intronic	7	5702663	5702902	RNF216 intronic transcript 1 (non-protein coding)
4193	ENSG00000121291		6448.3	0.24	snRNA	2	227833705	22783338	Small nuclear RNA SNORA48
4192	ENSG0000013431	RNF105B	6448.3	0.24	snRNA	20	8811833	881220	rRNA, U110B small nucleolar
4024	ENSG00000202216		7428.3	0.24	snRNA	2	18079128	18079265	Small nucleolar RNA SNORA43
2837	ENSG00000222623		3195.9	0.24	snRNA	1	157784	157887	rRNA, U6 small nuclear 1100, pseudogene
1953	ENSG00000204431		7190.3	0.24	snRNA	5	11550242	11550249	rRNA, U6 small nuclear 844, pseudogene
2861	ENSG00000252263		3962.3	0.24	snRNA	14	70962824	70962927	rRNA, U6 small nuclear 655, pseudogene
2831	ENSG00000202159		4303.8	0.24	snRNA	18	55422626	55422732	rRNA, U6 small nuclear 742, pseudogene
2929	ENSG00000181874		4456.4	0.24	snRNA	6	14562454	14562416	rRNA, U6 small nuclear 180, pseudogene
3135	ENSG00000199627		4910.8	0.24	snRNA	7	130739645	130739751	rRNA, U6 small nuclear 1010, pseudogene
3172	ENSG00000238365		4965.8	0.24	snRNA	1	154311219	154312778	rRNA, U7 small nuclear 57, pseudogene
3204	ENSG00000191932		5028.4	0.24	snRNA	12	1405238	1405238	rRNA, U8 ribosomal RNA
3273	ENSG00000200594		5193.9	0.24	snRNA	6	155149310	155149310	rRNA, U6 small nuclear 824, pseudogene
3674	ENSG00000202897		5751.9	0.24	snRNA	2	43318526	43318632	rRNA, U6 small nuclear 242, pseudogene
4023	ENSG00000202528		5928.8	0.24	snRNA	1	46373201	46373303	rRNA, U6 small nuclear 50, pseudogene
4223	ENSG00000201077		6558.8	0.24	snRNA	15	42719789	42719895	rRNA, U6 small nuclear 188, pseudogene
4613	ENSG00000202885		7119.7	0.24	snRNA	17	64634389	64634492	rRNA, U6 small nuclear 928, pseudogene
4625	ENSG00000191919		7112.3	0.24	snRNA	21	43837608	43837702	rRNA, U6 small nuclear 1445, pseudogene
4666	ENSG00000253048		7190.3	0.24	snRNA	19	42977027	42977161	rRNA, U6 small nuclear 60, pseudogene
4771	ENSG00000202589		7345	0.24	snRNA	15	44026377	44026483	rRNA, U6 small nuclear 354, pseudogene
4944	ENSG00000202078		7419.4	0.24	snRNA	12	13341160	13341266	rRNA, U6 small nuclear 327, pseudogene
5067	ENSG00000252995		7728.5	0.24	snRNA	15	80109991	80109792	rRNA, U6 small nuclear 667, pseudogene
2705	ENSG00000211843		4184.6	0.24	TR_V_gene	14	22962389	22962451	T cell receptor alpha joining 46
3103	ENSG00000202688		1452.4	0.24	TR_V_pseudogene	14	22962389	22967042	T cell receptor alpha joining 25 (pseudogene)
730	ENSG00000171725		1452.4	0.24	TR_V_gene	7	14205292	14205316	T cell receptor beta variable 4.2
4514	ENSG00000231202		6999	0.24	TR_V_pseudogene	7	38335364	38335334	T cell receptor gamma variable B (pseudogene)
4634	ENSG00000215267		7140.7	0.24	transcribed_unprocessed_pseu	10	5317136	5330433	aldo-keto reductase family 1, member C7, pseudogene
4800	ENSG00000234770		7556.7	0.24	unitary_pseudogene	8	27417791	27416590	galactonactin (L1) oxidase, pseudogene
4892	ENSG00000234666		7738	0.24	unitary_pseudogene	11	6086103	6086910	olfactory receptor, family 52, subfamily X, member 1 pseudogene
1307	ENSG00000203211		7738	0.24	unitary_pseudogene	1	20089122	20089358	measles haemagglutinin family member 3, pseudogene
1376	ENSG00000166578	NCF1C	2229.2	0.24	unprocessed_pseudogene	7	74572445	74587848	neutrophil cytosolic factor 1C pseudogene
2078	ENSG00000189165		3259	0.24	unprocessed_pseudogene	2	3695136	3695347	thymosin beta 4, X-linked pseudogene 2
4127	ENSG00000192196		6403.6	0.24	unprocessed_pseudogene	6	52664286	52662454	glutathione S-transferase alpha 7, pseudogene
4570	ENSG00000180437		7071.5	0.24	unprocessed_pseudogene	1	158693903	158694502	olfactory receptor, family 6, subfamily K, member 4 pseudogene
4704	ENSG00000289336		7236.5	0.24	unprocessed_pseudogene	19	51689191		

4275	ENSG00000234060	66607	0.24						
4286	ENSG00000205867	66634	0.24						
4296	ENSG00000205892	66813	0.24						
4306	ENSG00000227603	66939	0.24						
4331	ENSG00000215596	6727	0.24						
4335	ENSG00000205266	67134	0.24						
4355	ENSG00000228511	67683	0.24	1	153726600	153726703			Small nuclear RNA U13
4378	ENSG00000205251	68103	0.24						
4386	ENSG00000205813	68261	0.24						
4405	ENSG00000245869	68688	0.24						
4443	ENSG00000237586	68773	0.24						
4452	ENSG00000205964	68964	0.24						
4452	ENSG00000205999	69126	0.24						
4483	ENSG00000204129	69297	0.24						
4486	ENSG00000217767	69312	0.24						
4483	ENSG00000230730	6948	0.24						
4480	ENSG000002043705	69499	0.24						
4487	ENSG00000205266	69531	0.24						
4502	ENSG00000252670	69601	0.24	16	69814940	69815031			Y RNA
4507	ENSG00000270190	69696	0.24						
4518	ENSG00000205468	69905	0.24						
4530	ENSG00000254839	70165	0.24						
4536	ENSG00000211498	70268	0.24						
4558	ENSG00000205338	7091	0.24						
4584	ENSG00000232043	70882	0.24						
4585	ENSG00000252855	70893	0.24						
4598	ENSG00000205775	70926	0.24						
4598	ENSG00000288623	70929	0.24						
4605	ENSG000002058162	71111	0.24						
4607	ENSG00000205603	71134	0.24						
4614	ENSG00000229331	71213	0.24						
4615	ENSG000002176395	71216	0.24	19	45005729	45033811			carcinoembryonic antigen-related cell adhesion molecule 20
4617	ENSG000002021788	71251	0.24						
4618	ENSG00000234043	71252	0.24						
4649	ENSG00000206908	71626	0.24						
4669	ENSG00000204466	71905	0.24						
4674	ENSG00000205322	71935	0.24						
4676	ENSG000002050006	71943	0.24						
4678	ENSG000002053891	71988	0.24						
4681	ENSG00000258919	72118	0.24						
4687	ENSG000002057986	72201	0.24						
4690	ENSG000002051584	72244	0.24						
4702	ENSG00000224967	72559	0.24						
4703	ENSG000002049215	72581	0.24						
4705	ENSG00000205642	72589	0.24						
4706	ENSG00000207271	72593	0.24						
4709	ENSG000002064380	72595	0.24						
4714	ENSG000002056661	7264	0.24	1	143163750	143163822			microRNA 3118-2
4714	ENSG00000211303	72714	0.24						
4731	ENSG000002066848	72796	0.24						
4739	ENSG000002059259	7287	0.24						
4740	ENSG00000205216	72873	0.24						
4754	ENSG000002087749	73114	0.24						
4760	ENSG000002053045	7326	0.24						
4761	ENSG00000205326	7329	0.24						
4764	ENSG00000232303	73348	0.24						
4764	ENSG000002089358	73391	0.24	1	224215780	224216371			Uncharacterized protein
4770	ENSG000002052521	73448	0.24						
4772	ENSG00000233143	73468	0.24						
4786	ENSG000002089365	73578	0.24						
4791	ENSG00000211461	73583	0.24						
4797	ENSG00000228648	73758	0.24						
4799	ENSG00000254988	73796	0.24						
4801	ENSG000002056663	73798	0.24						
4804	ENSG00000236274	73803	0.24						
4804	ENSG000002050535	73823	0.24						
4806	ENSG000002050463	74144	0.24						
4843	ENSG00000213045	74373	0.24						
4844	ENSG000002027716	74392	0.24						
4851	ENSG00000203390	74553	0.24						
4856	ENSG000002089662	74641	0.24						
4865	ENSG000002056101	74746	0.24						
4873	ENSG00000205113	74824	0.24						
4876	ENSG00000249244	74871	0.24						
4878	ENSG000002077072	74892	0.24						
4888	ENSG000002046858	75218	0.24						
4891	ENSG000002089913	7528	0.24						
4893	ENSG00000215860	75933	0.24						
4898	ENSG000002027889	75954	0.24						
4905	ENSG00000201656	75958	0.24						
4909	ENSG00000227582	75991	0.24						
4918	ENSG00000205002	75918	0.24						
4921	ENSG00000205040	75975	0.24						
4925	ENSG00000205271	75951	0.24						
4923	ENSG00000209714	75970	0.24						
4934	ENSG000002051164	75976	0.24						
4936	ENSG000002051648	7574	0.24						
4963	ENSG000002056596	75933	0.24						
4961	ENSG000002087176	76010	0.24						
4962	ENSG00000225802	7603	0.24						
4972	ENSG000002085603	76016	0.24						
4976	ENSG000002058811	76020	0.24	12	123500727	123500976			RNA 75L cytoplasmic 133, pseudogene
4990	ENSG000002059398	76417	0.24						
5000	ENSG000002081433	7657	0.24						
5004	ENSG00000205330	76595	0.24						
5013	ENSG000002087320	76701	0.24						
5018	ENSG000002027281	76744	0.24						
5019	ENSG00000204986	76747	0.24						
5023	ENSG000002084269	76829	0.24						
5025	ENSG00000203080	76832	0.24						
5027	ENSG00000211317	76833	0.24						
5037	ENSG000002038855	7697	0.24	11	126151552	126151649			Small nuclear RNA U13
5064	ENSG00000228352	77235	0.24						
5080	ENSG000002031033	77422	0.24						
5083	ENSG000002048620	77468	0.24						
5120	ENSG00000208273	78035	0.24						
5134	ENSG000002050209	78188	0.24						
5178	ENSG000002087638	78688	0.24						
5233	ENSG000002024885	79342	0.24						
5264	ENSG000002030778	79225	0.24						
5281	ENSG00000225832	79848	0.24						
5283	ENSG000002070555	79889	0.24						
5312	ENSG000002050864	80228	0.24						
5322	ENSG00000238772	80343	0.24						
1812	ENSG000002057333	IFNG-AS1	29054	0.23	antisense	12	68383225	68628466	IFNG antisense RNA 1
4829	ENSG000002021088	AIIN	74182	0.23	antisense	X	3577528	3582023	RNA antisense RNA 1
4927	ENSG000002082527	AIIN	75979	0.23	antisense	6	160424323	160428996	antisense of IGF2R non-protein coding RNA
5092	ENSG00000204854	LINC00076	77637	0.23	antisense	13	110309269	110382354	long intergenic non-protein coding RNA 676
5364	ENSG000002022228	LINC00582	80582	0.23	antisense	1	231727038	231747836	long intergenic non-protein coding RNA 569
3834	ENSG00000211961	LINC00582	60227	0.23	IG V _H gene	14	109662931	109663424	immunoglobulin heavy variable 1-45
5147	ENSG000002053823	LINC00582	78131	0.23	IG V _H pseudogene	22	22440972	22441521	immunoglobulin lambda variable 1-62 (pseudogene)
1820	ENSG000002025873	LINC00582	22723	0.23	lincRNA	3	44462016	44464566	long intergenic non-protein coding RNA 694
1846	ENSG00000231538	LINC00278	28924	0.23	lincRNA	Y	2870953	2870313	long intergenic non-protein coding RNA 278
2725	ENSG00000245532	NEAT1	42296	0.23	lincRNA	11	65190245	65213011	nuclear paraspeckle assembly transcript 1 (non-protein coding)
3334	ENSG00000205096	FTX	52949	0.23	lincRNA	A	73163790	73513468	FTX transcript, XIST regulator (non-protein coding)
5265	ENSG00000231755	CHC3L-AS1	75717	0.23	lincRNA	21	19207335	19207525	CHC3L antisense RNA 1
5408	ENSG000002027830	LINC01132	81424	0.23	lincRNA	1	234859789	234867390	long intergenic non-protein coding RNA 1132
5500	ENSG00000217398	LINC00469	82536	0.23	lincRNA	17	71746469	71624659	long intergenic non-protein coding RNA 469
5514	ENSG000002056441	LINC00484	82523	0.23	lincRNA	9	93941855	93921859	long intergenic non-protein coding RNA 484
5542	ENSG000002059334	LINC00484	8276	0.23	lincRNA	14	24391456	24402777	long intergenic non-protein coding RNA 596
3935	ENSG000002082676	MIR4632	40117	0.23	miRNA	1	12251770	12251830	microRNA 4632
4459	ENSG00000211264	MIR1284	439171	0.23	miRNA	3	71591121	71591240	microRNA 1284
4451	ENSG000002083857	MIR4729	69123	0.23	miRNA	17	57443444	57443515	microRNA 4729
4749	ENSG000002027719	MIR623	7300	0.23	miRNA	13	10008385	10008442	microRNA 623
4869	ENSG000002082971	MIR744	74784	0.23	miRNA	9	11985216	11985313	microRNA 744
4880	ENSG000002027903	MIR569	74894	0.23	miRNA	3	17082453	17082458	microRNA 569
4845	ENSG00000208810	MIR3907	75842	0.23	miRNA	13	151130575	151130725	microRNA 3907
4988	ENSG000002087165	MIR153	78223	0.23	miRNA	9	24241200	24241297	microRNA 153
5040	ENSG000002085719	MIR4681	76887	0.23	miRNA	10	121137484	121137555	microRNA 4681
5081	ENSG000002086320	MIR3909	77611	0.23	miRNA	22	35731833	35731751	microRNA 3909
5226	ENSG0000021464	MIR1271	79234	0.23	miRNA	5	11579469	11579534	microRNA 1271
2810	ENSG00000198567	MIR1271	40534	0.23	misc. RNA	X	85274612	85274719	Y RNA
3080	ENSG00000198362	MIR1271	45678	0.23	misc. RNA	11	75548559	75548690	Y RNA
3163	ENSG00000201013								

5623	ENSG000002029726	6259.4	0.23	misc. RNA	11	118801920	118802784	RNA 75L, cytoplasmic 68S, pseudogene
5196	ENSG00000215389	344.8	0.23	processed_pseudogene	2	26033345	26033345	lysosomal protein 3 pseudogene 7
2566	ENSG00000244490	3981.9	0.23	processed_pseudogene	7	104941969	104942533	RWD domain containing 4 pseudogene 1
2588	ENSG00000225599	4017.2	0.23	processed_pseudogene	22	40522329	40520370	ribosomal protein L7 pseudogene 52
2686	ENSG00000249756	4123.3	0.23	processed_pseudogene	13	19411906	19412238	ras homolog family member T1 pseudogene 3
4114	ENSG00000238483	6627.3	0.23	processed_pseudogene	3	36853369	36853369	keratin 19 pseudogene 11
4117	ENSG00000222259	6500.3	0.23	processed_pseudogene	9	41968785	41968211	ribosomal protein S18a pseudogene 16
4316	ENSG00000229179	6702.0	0.23	processed_pseudogene	9	23736542	23736542	high mobility group non-histone binding domain 2 pseudogene 6
4378	ENSG00000228173	6633.0	0.23	processed_pseudogene	1	11293020	11293169	ribosomal protein L38 pseudogene 6
4763	ENSG00000202696	7334.3	0.23	processed_pseudogene	X	73352839	73352849	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, 4 like pseudogene 2
4774	ENSG000002025215	7347.5	0.23	processed_pseudogene	11	10727130	10727130	SWI5NF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 pseudogene 1
5620	ENSG00000202843	7679.9	0.23	processed_pseudogene	17	2502405	2502407	divergent paired related homeobox pseudogene 4
5622	ENSG00000202529	7682.9	0.23	processed_pseudogene	1	15902963	15902963	RAN1 homolog pseudogene 2
5048	ENSG00000238245	7706.7	0.23	processed_pseudogene	9	66513032	66514308	ribosomal protein V6 pseudogene 2
5051	ENSG00000227905	7712.1	0.23	processed_pseudogene	10	89607892	89609380	mediator complex subunit 6 pseudogene 1
5079	ENSG00000202498	7741.2	0.23	processed_pseudogene	21	16201810	16202310	RNA binding motif protein, X linked 2 pseudogene 1
5166	ENSG000002021957	7853.4	0.23	processed_pseudogene	10	79828381	79829296	guanine nucleotide binding protein (G-protein), alpha inhibiting activity polypeptide 2 pseudogene 4
5187	ENSG000002024357	7875.8	0.23	processed_pseudogene	20	37957657	37958567	autophagy related 3 pseudogene 1
5212	ENSG000002028184	7912.6	0.23	processed_pseudogene	21	14897520	14900000	sorting nexin 19 pseudogene 1
5216	ENSG000002027913	7919.9	0.23	processed_pseudogene	6	162989411	162990140	keratin 8 pseudogene 44
5292	ENSG00000202028	7968.8	0.23	processed_pseudogene	9	21083770	21083922	inhibitor of p115, pseudogene 1
5297	ENSG00000202091	8001.9	0.23	processed_pseudogene	6	83634548	83634841	leucine aminopeptidase 3 pseudogene 1
5307	ENSG000002051078	8015	0.23	processed_pseudogene	5	75048395	75049304	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5
5309	ENSG000002028631	8020	0.23	processed_pseudogene	10	51784895	51787123	solute carrier family 9, subfamily A (NHE3), cation proton antiporter 3, member 3 pseudogene 3
5343	ENSG000002023524	8057.9	0.23	processed_pseudogene	13	21521174	21522198	RAN, member RAS oncogene family pseudogene 8
5344	ENSG00000202646	8062.0	0.23	processed_pseudogene	12	5262122	5262122	myeloblastin like 7A pseudogene 1
5350	ENSG000002025034	8076.5	0.23	processed_pseudogene	4	11121260	11121429	zinc finger, BED type containing 1 pseudogene 1
5376	ENSG000002048958	8100.3	0.23	processed_pseudogene	4	130057081	130060985	zinc finger, SWIM-type containing 5 pseudogene 3
5378	ENSG000002029293	8102.0	0.23	processed_pseudogene	3	68631824	68631824	crystallin, alpha (retinone reduction pseudogene 2)
5386	ENSG000002049991	8427.7	0.23	processed_pseudogene	12	133702005	133702038	ribosomal protein L23a pseudogene 07
5716	ENSG000002069811	8489.9	0.23	processed_pseudogene	19	35136567	35136975	secretoglycin, family 2B, member 3, pseudogene 1
5787	ENSG00000201109	8522.7	0.23	processed_pseudogene	2	7458237	7458237	VE1F1 homeobox pseudogene 2
5856	ENSG00000204832	8627.8	0.23	processed_pseudogene	2	74571196	74571196	NECAP endocytosis associated 1 pseudogene 2
5877	ENSG000002032623	8655.2	0.23	processed_pseudogene	10	10118729	10119700	phosphoglycerate mutase 1 pseudogene 11
5904	ENSG00000202049	8717.4	0.23	processed_pseudogene	12	3158124	3158124	ribosomal protein L21 pseudogene 5
5920	ENSG00000186991	8871.1	0.23	protein_coding	1	1133888	1142071	tumor necrosis factor receptor superfamily, member 18
1219	ENSG0000010019810	8874	0.23	protein_coding	12	6898242	6899274	CD4 molecule
1228	ENSG0000010015910	8924	0.23	protein_coding	19	3172304	3172304	sphingosine 1-phosphate receptor 4
1275	ENSG00000175489	8935.9	0.23	protein_coding	19	18051954	18052487	leucine rich repeat containing 25
1302	ENSG00000132704	8938.5	0.23	protein_coding	1	157715523	157748922	Fc receptor like 2
1321	ENSG00000106996	8940.1	0.23	protein_coding	15	4347316	4347316	Cy1c-type binding protein 1
1322	ENSG000001001865	8942.0	0.23	protein_coding	25	6758181	67571164	interleukin 2 receptor, beta
1360	ENSG000002027897	8963.9	0.23	protein_coding	6	137518621	13754086	interferon gamma receptor 1
1414	ENSG00000106421	8963.9	0.23	protein_coding	6	17620907	17620907	prokineticin 2
1430	ENSG000002024264	8963.9	0.23	protein_coding	6	32932490	32912480	proteasome (prosome) subunit, beta type, B
1454	ENSG00000186259	8963.9	0.23	protein_coding	19	15731707	15730405	cytochrome P450, family 4, subfamily F, polypeptide 33
1472	ENSG00000106952	8963.9	0.23	protein_coding	19	10444552	10444552	interleukin adhesion molecule 3
1477	ENSG00000106964	8963.9	0.23	protein_coding	19	64119925	64119925	death-associated protein kinase 2
1480	ENSG00000197852	8963.9	0.23	protein_coding	1	112223252	11228446	family with sequence similarity 212, member B
1487	ENSG00000199128	8963.9	0.23	protein_coding	21	34715202	34715202	interferon gamma receptor 2 (interferon gamma transducer 1)
1550	ENSG000001001708	8963.9	0.23	protein_coding	22	5296114	5296114	thymidine phosphorylase
1555	ENSG00000135263	8963.9	0.23	protein_coding	5	15967869	159772403	cytokeratin 17
1607	ENSG00000129395	8963.9	0.23	protein_coding	19	10071138	10071935	cyclin-dependent protein kinase 2D (p19, Inhibin CDK4)
1626	ENSG000001001204	8963.9	0.23	protein_coding	12	18392401	18392401	actin related protein 23L, isoform 5, BDNF
1711	ENSG000000991317	8963.9	0.23	protein_coding	3	3252804	3254800	CKLF-like MARVEL transmembrane domain containing 6
1727	ENSG00000186981	8963.9	0.23	protein_coding	18	5289810	5292702	zinc finger and BTB domain containing 14
1734	ENSG0000010015910	8963.9	0.23	protein_coding	19	3911380	3911380	Sial1 and Sial2 domain containing 2
1741	ENSG000002026503	8963.9	0.23	protein_coding	6	29909037	2991380	major histocompatibility complex, class I, A
1749	ENSG00000202599	8963.9	0.23	protein_coding	4	110481361	110498914	colicid-like domain containing 109B
1851	ENSG00000186925	8963.9	0.23	protein_coding	4	17861892	17861892	G-protein coupled receptor kinase 8
1854	ENSG00000138964	8963.9	0.23	protein_coding	22	44568836	44561413	parvin, gamma
1871	ENSG00000181994	8963.9	0.23	protein_coding	19	3035470	30358919	Ras and Rab interactor-like
1935	ENSG00000181919	8963.9	0.23	protein_coding	12	12069399	12069399	Fc fragment of IgG, high affinity 1b receptor (CD64)
1971	ENSG00000182541	8963.9	0.23	protein_coding	22	31608225	31676066	LIM domain kinase 2
1984	ENSG00000141968	8963.9	0.23	protein_coding	19	6772725	6857377	vav 1, guanine nucleotide exchange factor
2001	ENSG0000010015910	8963.9	0.23	protein_coding	3	11214248	11214248	B and T lymphocyte associated 1
2019	ENSG00000202567	8963.9	0.23	protein_coding	8	14221285	14221840	solute carrier family 45, member 4
2028	ENSG000001001342	8963.9	0.23	protein_coding	16	11961985	12009399	GI to S phase transition 1
2048	ENSG00000202871	8963.9	0.23	protein_coding	17	3333128	33416338	ring finger and FYVE-like domain containing 53, disulfine protein ligase
2082	ENSG00000111144	8963.9	0.23	protein_coding	12	98304606	9832498	ubiquitin A, cytosolic
2089	ENSG00000141416	8963.9	0.23	protein_coding	8	20054878	20084320	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2
2092	ENSG00000186923	8963.9	0.23	protein_coding	82	6203283	6203283	RW domain containing 53, ubiquitin protein ligase 2
2117	ENSG00000114978	8963.9	0.23	protein_coding	2	74379655	74406205	MOB kinase activator 1A
2189	ENSG00000143924	8963.9	0.23	protein_coding	2	42394950	42395888	ectoderm microtubule associated protein like 4
2190	ENSG0000010015910	8963.9	0.23	protein_coding	5	17508000	17508000	lysosomal receptor H2
2227	ENSG00000179513	8963.9	0.23	protein_coding	12	110349991	110349991	ankyrin repeat domain 13A
2246	ENSG00000185753	8963.9	0.23	protein_coding	4	6042865	6042869	chromosome X open reading frame 38
2287	ENSG00000106977	8963.9	0.23	protein_coding	19	550819	550819	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1
2293	ENSG00000185359	8963.9	0.23	protein_coding	X	134554584	134715435	DEADH (Asp-Glu-Ala-Asp/His) box polypeptide 26B
2298	ENSG00000127314	8963.9	0.23	protein_coding	12	6900418	6900432	RAP1B, member of RAS oncogene family
2318	ENSG00000185484	8963.9	0.23	protein_coding	13	27642039	27746033	ubiquitin specific peptidase 12
2328	ENSG00000135361	8963.9	0.23	protein_coding	13	36317838	36319156	profilin 1F1-like
2330	ENSG00000113851	8963.9	0.23	protein_coding	3	3190676	3221194	cerberon
2360	ENSG00000111790	8963.9	0.23	protein_coding	12	27091316	27119563	FGFR1, oncogene partner 2
2387	ENSG0000010015910	8963.9	0.23	protein_coding	12	44584239	44198455	ribonuclease P, cytosolic II
2400	ENSG00000170852	8963.9	0.23	protein_coding	7	32997743	32997743	leitch repeat and BTB (POZ) domain containing 2
2405	ENSG00000170852	8963.9	0.23	protein_coding	17	5625495	5625495	ubiquitin specific peptidase 3z
2417	ENSG00000186925	8963.9	0.23	protein_coding	10	10485496	10485496	ubiquitin-specific protease 1
2428	ENSG0000066777	8963.9	0.23	protein_coding	8	68895747	68855912	ADP-ribosylation factor guanine nucleotide-exchange factor 1 (beta/delta/A-ribosylated)
2728	ENSG00000098896	8963.9	0.23	protein_coding	2	1718526	17311486	HEAT repeat containing 9B
2729	ENSG00000115471	8963.9	0.23	protein_coding	12	8403946	8403946	multiple C2 domain transmembrane 1
2744	ENSG00000181919	8963.9	0.23	protein_coding	2	11435054	11435098	round spermatid basic protein 1
2758	ENSG00000122417	8963.9	0.23	protein_coding	1	8681434	8692623	outer dense fiber of sperm tail 2-like
2771	ENSG00000119020	8963.9	0.23	protein_coding	1	21144640	21144640	export complex component 9
2808	ENSG000002048592	8963.9	0.23	protein_coding	3	52861137	52831578	TMEM10, MALT1N1 readthrough
2883	ENSG00000143970	8963.9	0.23	protein_coding	2	2595262	26191385	additional sex combs like 2 (Drosophila)
2887	ENSG00000202489	8963.9	0.23	protein_coding	16	4402141	44275109	atrxin 3
2881	ENSG00000066427	8963.9	0.23	protein_coding	14	9254496	92572865	atrxin 3
2925	ENSG00000118620	8963.9	0.23	protein_coding	19	21203426	21242956	zinc finger protein 430
2926	ENSG00000102546	8963.9	0.23	protein_coding	14	14216407	14216407	atrasin homologous 1 (Bach1 related)
2962	ENSG00000078142	8963.9	0.23	protein_coding	18	38535171	38667784	phosphatidylinositol 3-kinase, catalytic subunit type 3
2995	ENSG000001595							

2490	ENSG00000251804		3873.7	0.23	snRNA	3	142126499	142126579	RNA, U5 small nuclear 1294, pseudogene
3832	ENSG0000011664		4077.4	0.23	snRNA	11	4746378	4746393	RNA, U1 small nuclear 135, pseudogene
3918	ENSG00000122428		5222.7	0.23	snRNA	1	100444495	100444501	RNA, U5 small nuclear 750, pseudogene
3884	ENSG00000207153		5342.2	0.23	snRNA	11	60752533	60752539	RNA, U5 small nuclear 933, pseudogene
3953	ENSG00000215138		6214.6	0.23	snRNA	3	52594598	52594723	RNA, Ubatic small nuclear 10, pseudogene
4398	ENSG00000252383		6964.3	0.23	snRNA	17	16052018	16052141	RNA, U5 small nuclear 314, pseudogene
4547	ENSG00000206844		7043.7	0.23	snRNA	1	172335660	172335786	RNA, U5 small nuclear 157, pseudogene
5095	ENSG00000202157		7168.8	0.23	snRNA	4	184574725	184574829	RNA, U5 small nuclear 479, pseudogene
5194	ENSG00000200295		7383.2	0.23	snRNA	6	107056591	107056694	RNA, U5 small nuclear 527, pseudogene
5253	ENSG00000200254		7522.2	0.23	snRNA	1	43034704	43034709	RNA, U5 small nuclear 536, pseudogene
1288	ENSG00000117771		2178.3	0.23	TR_V_gene	7	142495140	142495186	T cell receptor beta joining 2.7
1594	ENSG00000211735		8943.3	0.23	TR_V_gene	7	142452281	142452347	T cell receptor beta variable 5.3 (non-functional)
2956	ENSG00000251578		4598.4	0.23	TR_V_pseudogene	7	142344427	142344887	T cell receptor beta variable 21.1 (pseudogene)
2248	ENSG00000237884	PTENP1	3519.6	0.23	transcribed_processed_pseudo_gene	9	33673502	33677497	phosphatase and tensin homolog pseudogene 1
2431	ENSG00000258128	MKRN1P	3807.4	0.23	transcribed_processed_pseudo_gene	12	88175940	88178345	maskin ring finger protein 9, pseudogene
4563	ENSG00000234515		7064.9	0.23	transcribed_processed_pseudo_gene	6	32846948	32847625	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 1
2789	ENSG00000215580	BCORP1	4329.9	0.23	transcribed_unprocessed_pseudo_gene	Y	21617317	21665039	BCL6 corepressor pseudogene 1
5400	ENSG00000163016	ALMSP1	8126.3	0.23	transcribed_unprocessed_pseudo_gene	2	73872046	73871203	Aldostrom syndrome 1 pseudogene
5452	ENSG00000283006	ROCK1P1	8183.9	0.23	transcribed_unprocessed_pseudo_gene	18	109065	122219	Rho-associated, coiled-coil containing protein kinase 1 pseudogene 1
4639	ENSG00000232815	LINC00537	7145	0.23	unprocessed_pseudogene	9	68413482	68414196	long intergenic non-protein coding RNA 537
4646	ENSG00000108152		7158.8	0.23	unprocessed_pseudogene	16	52029283	520272683	leukocyte immunoglobulin-like receptor pseudogene 1
4717	ENSG00000251624		7264.9	0.23	unprocessed_pseudogene	4	9485380	9489710	urn-93 homolog B7 pseudogene (C. albicans)
5028	ENSG00000207010		7688	0.23	unprocessed_pseudogene	4	4156249	4159170	olfactory receptor, family 7, subfamily E, member 99 pseudogene
5141	ENSG00000268623		7825.3	0.23	unprocessed_pseudogene	8	5549404	5549404	olfactory receptor, family 52, subfamily V, member 1 pseudogene
5190	ENSG00000209014		7834.5	0.23	unprocessed_pseudogene	8	11787017	11787072	olfactory receptor, family 7, subfamily E, member 181 pseudogene
5189	ENSG00000258481		7875.9	0.23	unprocessed_pseudogene	11	6067037	6067977	olfactory receptor, family 58, subfamily A, member 7 pseudogene
5205	ENSG0000014681		7884.4	0.23	unprocessed_pseudogene	11	33009530	33009572	major histocompatibility complex, class II, DR alpha 2 (pseudogene)
5205	ENSG00000196403		7901.7	0.23	unprocessed_pseudogene	11	124029128	124030063	olfactory receptor, family 10, subfamily D, member 1 pseudogene
5209	ENSG00000258423		7906.8	0.23	unprocessed_pseudogene	14	52223714	52224706	olfactory receptor, family 7, subfamily E, member 105 pseudogene
5209	ENSG00000209313		7920.3	0.23	unprocessed_pseudogene	11	6148845	6150708	olfactory receptor, family 58, subfamily B, member 3 pseudogene
5225	ENSG00000234485		7923.4	0.23	unprocessed_pseudogene	2	71268115	71268533	olfactory receptor, family 7, subfamily E, member 46 pseudogene
5277	ENSG00000258597		7982.2	0.23	unprocessed_pseudogene	14	94830053	94833039	serpin peptidase inhibitor, clade A (alpha 1 antitrypsin, antitrypsin), member 2, pseudogene
5281	ENSG00000209378		7988.8	0.23	unprocessed_pseudogene	3	125453188	125454241	olfactory receptor, family 7, subfamily E, member 53 pseudogene
5400	ENSG00000205240	ORF37P	8134.8	0.23	unprocessed_pseudogene	13	42005425	42006425	olfactory receptor, family 7, subfamily E, member 36 pseudogene
5419	ENSG00000249798		8154.3	0.23	unprocessed_pseudogene	1	120081132	12008836	hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 3
5445	ENSG00000255664		8168	0.23	unprocessed_pseudogene	1	12037388	12038779	neuroblastoma breakpoint family, member 7
5470	ENSG00000255777		8208.7	0.23	unprocessed_pseudogene	6	30387492	30387996	MHC class I polypeptide-related sequence C (pseudogene)
5484	ENSG00000236875		8233	0.23	unprocessed_pseudogene	9	11887	14522	DEAD(H) Asp-Glu-Ala-Asp(His) box helicase 11 like 5
5521	ENSG00000251178		8259	0.23	unprocessed_pseudogene	3	129753386	129754382	olfactory receptor, family 7, subfamily E, member 21 pseudogene
5527	ENSG00000232126		8263.2	0.23	unprocessed_pseudogene	3	52438053	52440086	NIT1 family member 2H, pseudogene
5524	ENSG00000232821		8289.1	0.23	unprocessed_pseudogene	1	207399143	207402547	complement component 4 binding protein, alpha pseudogene 2
5571	ENSG00000186950		8311.3	0.23	unprocessed_pseudogene	11	6173206	6173818	olfactory receptor, family 52, subfamily B, member 1 pseudogene
5674	ENSG00000211193		8487.7	0.23	unprocessed_pseudogene	6	2984431	2984563	major histocompatibility complex, class I, T (pseudogene)
478	ENSG00000161570	CCL5	1033.7	0.23	unprocessed_pseudogene	17	34198496	34207797	chemokine (C-C motif) ligand 5
1007	ENSG00000236056		1868.9	0.23	unprocessed_pseudogene	22	37344522	37344599	small nuclear RNA U13
1476	ENSG00000204304		2419.6	0.23	unprocessed_pseudogene	1			
1836	ENSG00000178146		2927.1	0.23	unprocessed_pseudogene	1			
2236	ENSG00000232967		3487.7	0.23	unprocessed_pseudogene	1			
2281	ENSG00000233026		3536	0.23	unprocessed_pseudogene	1			
2285	ENSG00000233030		3538.2	0.23	unprocessed_pseudogene	1			
2276	ENSG00000232989		3565.8	0.23	unprocessed_pseudogene	1			
2319	ENSG00000234801		3626	0.23	unprocessed_pseudogene	1			
2387	ENSG00000235833		3759	0.23	unprocessed_pseudogene	1			
2872	ENSG00000258448		3989.7	0.23	unprocessed_pseudogene	1			
2907	ENSG00000204815		4044.8	0.23	unprocessed_pseudogene	1			
2712	ENSG00000216054		4205.8	0.23	unprocessed_pseudogene	1			
2738	ENSG00000230984		4254.7	0.23	unprocessed_pseudogene	1			
2769	ENSG00000210157		4268	0.23	unprocessed_pseudogene	1			
2813	ENSG00000227328		4373.4	0.23	unprocessed_pseudogene	1			
2887	ENSG00000234096		4399	0.23	unprocessed_pseudogene	1			
2953	ENSG00000234428		4588.7	0.23	unprocessed_pseudogene	1			
3058	ENSG00000271100		4779.6	0.23	unprocessed_pseudogene	1			
3085	ENSG00000231666		4815.4	0.23	unprocessed_pseudogene	1			
3142	ENSG00000235664		4913.3	0.23	unprocessed_pseudogene	1			
3144	ENSG00000264469		4934.3	0.23	unprocessed_pseudogene	1			
3168	ENSG00000252113		4981	0.23	unprocessed_pseudogene	1			
3174	ENSG00000236255		4987.5	0.23	unprocessed_pseudogene	1			
3196	ENSG00000272254		5014.8	0.23	unprocessed_pseudogene	1			
3269	ENSG00000204467		5130.8	0.23	unprocessed_pseudogene	1			
3313	ENSG00000255685		5214.8	0.23	unprocessed_pseudogene	1			
3337	ENSG00000249412		5250.4	0.23	unprocessed_pseudogene	1			
3387	ENSG00000269829		5343.6	0.23	unprocessed_pseudogene	1			
3413	ENSG00000258948		5371.4	0.23	unprocessed_pseudogene	1			
3436	ENSG00000258798		5407.4	0.23	unprocessed_pseudogene	4	79871883	79878526	Uncharacterized protein
3493	ENSG00000265850		5500.9	0.23	unprocessed_pseudogene	1			
3495	ENSG00000258462		5502.5	0.23	unprocessed_pseudogene	1			
3505	ENSG00000234718		5515.8	0.23	unprocessed_pseudogene	1			
3528	ENSG00000256751		5543.9	0.23	unprocessed_pseudogene	1			
3563	ENSG0000027598		5563.8	0.23	unprocessed_pseudogene	1			
3641	ENSG00000212073		5709	0.23	unprocessed_pseudogene	1	32379174	32380745	HC02032337, PRO1948, Uncharacterized protein
3656	ENSG00000270585		5731.4	0.23	unprocessed_pseudogene	1			
3695	ENSG0000027568		5793.3	0.23	unprocessed_pseudogene	1			
3703	ENSG00000258912		5805.5	0.23	unprocessed_pseudogene	1			
3738	ENSG00000228106		5858	0.23	unprocessed_pseudogene	1			
3833	ENSG00000265342		6017	0.23	unprocessed_pseudogene	1			
3869	ENSG00000254116		6086	0.23	unprocessed_pseudogene	1			
3910	ENSG00000236388		6137	0.23	unprocessed_pseudogene	2	120874894	120875000	Small nuclear RNA U13
3993	ENSG00000268436		6259	0.23	unprocessed_pseudogene	1			
4000	ENSG00000260467		6261.7	0.23	unprocessed_pseudogene	1			
4018	ENSG00000215458		6280.6	0.23	unprocessed_pseudogene	1			
4035	ENSG00000272388		6308.5	0.23	unprocessed_pseudogene	1			
4054	ENSG00000229728		6319.3	0.23	unprocessed_pseudogene	1			
4067	ENSG00000258602		6367.1	0.23	unprocessed_pseudogene	1			
4091	ENSG00000218109		6397.1	0.23	unprocessed_pseudogene	1			
4090	ENSG00000252489		6374.8	0.23	unprocessed_pseudogene	1			
4120	ENSG00000258904		6432.3	0.23	unprocessed_pseudogene	1			
4189	ENSG00000258954		6487.2	0.23	unprocessed_pseudogene	1			
4237	ENSG00000204861		6574.5	0.23	unprocessed_pseudogene	1			
4282	ENSG00000268737		6659.8	0.23	unprocessed_pseudogene	1			
4308	ENSG00000236031		6696	0.23	unprocessed_pseudogene	1			
4387	ENSG00000270000		6785.8	0.23	unprocessed_pseudogene	1			
4380	ENSG00000268267		6817.1	0.23	unprocessed_pseudogene	1			
4395	ENSG00000268207		6845.5	0.23	unprocessed_pseudogene	1			
4431	ENSG00000268173		6887.8	0.23	unprocessed_pseudogene	1			
4473	ENSG00000272387		6938.1	0.23	unprocessed_pseudogene	1			
4526	ENSG00000255503		7013.1	0.23	unprocessed_pseudogene	1			
4533	ENSG00000234788		7022.2	0.23	unprocessed_pseudogene	9	68741234	68809066	phosphoglucomutase 5 pseudogene 1
4550	ENSG00000255445		7048.2	0.23	unprocessed_pseudogene	1			
4564	ENSG00000226233		7065.8	0.23	unprocessed_pseudogene	1			
4602	ENSG00000254528		7107.3	0.23	unprocessed_pseudogene	1			

5058	ENSG00000250071		7715.5	0.23					
5059	ENSG00000250059		7719	0.23					
5061	ENSG00000238945		7721.8	0.23	1	45624324	45624420		Small nuclear RNA U13
5065	ENSG00000250563		7723.9	0.23					
5068	ENSG00000248443		7727.9	0.23					
5071	ENSG00000250553		7727.3	0.23	19	14834747	14835121		Uncharacterized protein
5084	ENSG00000238930		7749.1	0.23					
5086	ENSG00000248960		7749.2	0.23					
5089	ENSG00000250733		7757.8	0.23					
5104	ENSG00000271377		7783.1	0.23					
5107	ENSG00000248260		7787.5	0.23					
5114	ENSG00000238225		7796	0.23					
5115	ENSG00000257579		7799	0.23					
5117	ENSG00000259309		7800.4	0.23					
5126	ENSG00000230381		7810.3	0.23					
5128	ENSG00000254850		7813.2	0.23					
5131	ENSG00000260975		7816.2	0.23					
5143	ENSG00000250727		7828	0.23					
5145	ENSG00000204263		7830.1	0.23					
5146	ENSG00000240811		7831.1	0.23					
5149	ENSG00000241414		7833.8	0.23					
5152	ENSG00000228559		7836.8	0.23					
5154	ENSG00000228162		7837.3	0.23					
5156	ENSG00000206950		7836.6	0.23					
5164	ENSG00000256629		7851.9	0.23	12	11332272	11333061		taste receptor, type 2, member 67 pseudogene
5172	ENSG00000272519		7859.9	0.23					
5174	ENSG00000257924		7861.9	0.23					
5177	ENSG00000265024		7868.4	0.23					
5184	ENSG00000225406		7872.9	0.23					
5188	ENSG00000230111		7875.5	0.23					
5195	ENSG00000268889		7883.5	0.23					
5198	ENSG00000271911		7890	0.23					
5199	ENSG00000232687		7892.4	0.23					
5214	ENSG00000271048		7916.2	0.23					
5217	ENSG00000244061		7919.1	0.23					
5218	ENSG00000230528		7919.3	0.23					
5219	ENSG00000237178		7920	0.23					
5228	ENSG00000268742		7929.5	0.23					
5229	ENSG00000268553		7930.5	0.23					
5237	ENSG00000287316		7939.4	0.23					
5238	ENSG00000254864		7940.5	0.23					
5239	ENSG00000260759		7940.7	0.23					
5242	ENSG00000202349	LOC100986413	7944	0.23	16	32714622	32780287		Protein LOC100986413
5247	ENSG00000258910		7948.3	0.23					
5250	ENSG00000265345		7951.1	0.23					
5252	ENSG00000271666		7952	0.23					
5254	ENSG00000232361		7956.6	0.23					
5256	ENSG00000231613		7960.1	0.23					
5267	ENSG00000254844		7961.7	0.23					
5269	ENSG00000226509		7967	0.23					
5281	ENSG00000251473		7970.7	0.23					
5272	ENSG00000224192		7974.4	0.23					
5275	ENSG00000263494		7981.3	0.23					
5282	ENSG00000223082		7989	0.23					
5286	ENSG00000252377		8004.5	0.23					
5303	ENSG00000240484		8014.3	0.23					
5308	ENSG00000248967		8015.2	0.23					
5311	ENSG00000271546		8022.5	0.23					
5323	ENSG00000258915		8038.1	0.23					
5327	ENSG00000225844		8040.3	0.23					
5333	ENSG00000230541		8045	0.23					
5341	ENSG00000240425		8054	0.23					
5348	ENSG00000267877		8062	0.23					
5353	ENSG00000258521		8072.7	0.23					
5357	ENSG00000226549		8077.1	0.23					
5366	ENSG00000251152		8088	0.23					
5368	ENSG00000230766		8088.8	0.23					
5374	ENSG00000233712		8095.6	0.23					
5382	ENSG00000260973		8109.6	0.23					
5385	ENSG00000265445		8114.3	0.23					
5386	ENSG00000260523		8114.4	0.23					
5389	ENSG00000251338		8117.1	0.23					
5394	ENSG00000237445		8121.8	0.23					
5397	ENSG00000228910		8123.2	0.23					
5409	ENSG00000271997		8142.6	0.23					
5422	ENSG00000230687		8158.1	0.23					
5428	ENSG00000253528		8164	0.23					
5441	ENSG00000255032		8182.8	0.23					
5443	ENSG00000232628		8184.8	0.23					
5450	ENSG00000267986		8191.7	0.23					
5457	ENSG00000261055		8198.5	0.23					
5474	ENSG00000231038		8212.5	0.23					
5475	ENSG00000221104		8212.8	0.23					
5476	ENSG00000230173		8213.2	0.23					
5483	ENSG00000267389		8216	0.23					
5483	ENSG00000230974		8220.3	0.23					
5487	ENSG00000233884		8226.2	0.23					
5488	ENSG00000240388		8228.9	0.23					
5489	ENSG00000215110		8229	0.23					
5490	ENSG00000258119		8229.9	0.23					
5495	ENSG00000248424		8233.4	0.23					
5501	ENSG00000268918		8238.1	0.23					
5502	ENSG00000236813		8238.5	0.23					
5511	ENSG00000244686		8247.2	0.23					
5520	ENSG00000231616		8248.5	0.23					
5540	ENSG00000237848		8274.5	0.23					
5565	ENSG00000256705		8303.2	0.23					
5566	ENSG00000256226		8303.3	0.23					
5572	ENSG00000236008		8311.9	0.23					
5578	ENSG00000227593		8325.5	0.23					
5585	ENSG00000245211		8334.4	0.23					
5586	ENSG00000254913		8334	0.23					
5597	ENSG00000270441		8344.6	0.23					
5601	ENSG00000230527		8348	0.23					
5674	ENSG00000205537		8436.5	0.23					
5682	ENSG00000272255		8449.9	0.23					
5745	ENSG00000250955		8514.6	0.23					
5775	ENSG00000268444		8542.6	0.23					
5825	ENSG00000269495		8594	0.23					
5854	ENSG00000230608		8634.8	0.23					
6009	ENSG00000272872		8789.5	0.23					
1995	ENSG00000228619	MBNL1-AS1	3151.2	0.22	antisense	3	151980405	151987344	MBNL1 antisense RNA 1
3425	ENSG00000236653	PSMD6-AS2	5389.9	0.22	antisense	3	63987604	63987604	PSMD6 antisense RNA 2
3978	ENSG00000235079		6243.8	0.22	antisense	1	71514538	71532867	ZRANB2 antisense RNA 1
5790	ENSG00000225076		8558.8	0.22	antisense	X	9992282	10006564	WWC3 antisense RNA 1
5986	ENSG00000231115	TPRS1-AS2	9572.2	0.22	antisense	3	189595415	189595983	TPRS1 antisense RNA 2
6313	ENSG00000233303	XXYL11-AS1	9103	0.22	antisense	3	194815317	194816786	XXYL11 antisense RNA 1
6342	ENSG00000236758		9130.8	0.22	antisense	13	29813516	29834491	MTUS2 antisense RNA 2
581	ENSG00000253440		9325.5	0.22	IG V_pseudogene	14	106825038	106825777	immunoglobulin heavy variable 3-33-2 (pseudogene)
5647	ENSG00000254203		8152	0.22	IG V_pseudogene	14	106823315	106823394	immunoglobulin heavy variable (I)-35-1 (pseudogene)
5624	ENSG00000233752		8377.7	0.22	IG V_pseudogene	22	22434180	22434473	immunoglobulin lambda variable (I)-43 (pseudogene)
4830	ENSG00000213657	C1orf220	7448.1	0.22	lincRNA	1	17851887	178518824	chromosome 1 gap reading frame 220
6868	ENSG00000259203		8457.8	0.22	lincRNA	14	101972324	101972499	long intergenic non-protein coding RNA 524
5734	ENSG00000280343	LINC01043	8500.4	0.22	lincRNA	13	112967781	112978772	long intergenic non-protein coding RNA 1043
5888	ENSG00000261426	MIR1697	8663.3	0.22	miRNA	X	6866790	6870702	microRNA 1697
6227	ENSG00000232286	LINC01142	8922.7	0.22	lincRNA	1	17028744	170283348	long intergenic non-protein coding RNA 1142
2845	ENSG00000216141	MIR941-1	4408.4	0.22	miRNA	20	62550834	62550950	microRNA 941.2
3431	ENSG00000268386	MIR4513	5401.5	0.22	miRNA	15	75081013	75081068	microRNA 4513
3968	ENSG00000278988	MIR570	6103.4	0.22	miRNA	4	110489854	110489951	microRNA 570
4191	ENSG00000264357	MIR4448	6520.1	0.22	miRNA	7	2566708	2566779	microRNA 4448
5399	ENSG00000268109	MIR4448	8127.2	0.22	miRNA	2	23999513	23999610	microRNA 4448
5410	ENSG00000263027	MIR4506	8114.3	0.22	miRNA	18	13611113	13611199	microRNA 4506
5508	ENSG00000270268	MIR562	8240.2	0.22	miRNA	2	233037363	233037457	microRNA 562
5509	ENSG00000264073	MIR3199-2	8244	0.22	miRNA	22	28316013	28316060	microRNA 3199-2
6336	ENSG00000271620	MIR4514	8217.3	0.22	miRNA	20	6988332	69883625	microRNA 4514
5563	ENSG00000268387	MIR4669	8300.6	0.22	miRNA	9	137271257	137271218	microRNA 4669
5657	ENSG00000216860	MIR1278	8304.8	0.22	miRNA	1	193165633	193105713	microRNA 1278
5669	ENSG00000268455	MIR4514	8431.1	0.22	miRNA	3	8126758	8126814	microRNA 4514
5853	ENSG00000268349	MIR4744	8622.7	0.22	miRNA	18	46576057	46576138	microRNA 4744
5979	ENSG00000265526	MIR4304	8784	0.22	miRNA	12	123485214	123485275	microRNA 4304
5999	ENSG0000021726	MIR1284	8784	0.22	miRNA	3	75619514	75619502	microRNA 1284
6231	ENSG00000238118	MIR197-1	9004.1	0.22	miRNA	16	70684249	70684325	microRNA 197-2
7007	ENSG00000255156		4199.2	0.22	misc_RNA	22	20829490	20829598	KLHL22 intronic transcript 1 (non-protein coding

5771	ENSG00000228472	84791	0.22	misc RNA	6	5918793	5918797	RNA 75L cytoplasmic 221 pseudogene
5781	ENSG0000021864	8527	0.22	misc RNA	21	3051208	3051208	misc RNA
5788	ENSG00000244399	8557	0.22	misc RNA	2	8556918	8556912	RNA 75L cytoplasmic 251 pseudogene
5844	ENSG00000241074	86134	0.22	misc RNA	2	16930734	16930812	RNA 75L cytoplasmic 813 pseudogene
5954	ENSG00000225959	87334	0.22	misc RNA	1	14504481	14504480	RNA 75K small nuclear pseudogene 88
5964	ENSG00000246113	8751	0.22	misc RNA	9	2229241	2229241	RNA 75L cytoplasmic 552 pseudogene
6292	ENSG00000219335	90779	0.22	misc RNA	2	19141790	19141826	RNA 75K small nuclear pseudogene 179
6398	ENSG00000226922	91856	0.22	misc RNA	17	58773804	58773804	RNA 75L cytoplasmic 806 pseudogene
1347	ENSG00000225774	40525	0.22	processed pseudogene	22	30982523	30982522	H3 histone family 3a pseudogene 4
1394	ENSG00000226697	40651	0.22	processed pseudogene	14	3540363	3540363	signal-regulatory protein alpha pseudogene 1
4206	ENSG00000226268	45418	0.22	processed pseudogene	14	17893458	17893458	immunoglobulin (CD) binding protein 1 pseudogene 1
4206	ENSG00000226268	45418	0.22	processed pseudogene	21	40588550	40588542	translocase of inner mitochondrial membrane 8 homolog (yeast) pseudogene 2
4206	ENSG00000226268	45418	0.22	processed pseudogene	1	24511367	24511364	small nuclear ribonucleoprotein polypeptide E pseudogene 9
4482	ENSG000002122872	69614	0.22	processed pseudogene	10	6336683	6336684	synaptic binding protein (systemic) pseudogene 1
4628	ENSG000002044361	74116	0.22	processed pseudogene	5	10489922	10489924	ADP-ribosylation factor-like 4 pseudogene
4840	ENSG00000219251	7992	0.22	processed pseudogene	9	6649763	6649994	ribosomal protein L30 pseudogene 7
5291	ENSG00000250016	79684	0.22	processed pseudogene	4	49235306	49235282	prostaglandin E receptor 4 (edg type) pseudogene 2
5370	ENSG00000220759	80913	0.22	processed pseudogene	3	48217840	48208428	sorting nexin 18 pseudogene 23
5426	ENSG00000211528	8162	0.22	processed pseudogene	3	179119264	179120398	mitochondrial ribosomal protein S18A pseudogene 1
5444	ENSG00000214659	81877	0.22	processed pseudogene	11	65494410	65495485	glyceroldehyde 3-phosphate dehydrogenase pseudogene 36
5453	ENSG00000258491	81956	0.22	processed pseudogene	14	51171061	51172229	keratin 8 pseudogene 26
5456	ENSG00000212943	8197	0.22	processed pseudogene	22	66659989	66661987	ZFP64 zinc finger protein pseudogene 1
5486	ENSG00000238125	8245	0.22	processed pseudogene	22	21007017	21009037	sorting nexin 18 pseudogene 2
5546	ENSG00000214584	8279	0.22	processed pseudogene	10	81651904	81652531	solute carrier family 9, subfamily A (NHE3), cation protein anion-pore 3, member 3 pseudogene 2
5548	ENSG000002018153	8298	0.22	processed pseudogene	6	116778486	116778932	protein geranylgeranyltransferase type I, beta subunit pseudogene 2
5568	ENSG00000235759	8307	0.22	processed pseudogene	22	16424125	16427059	Rho GTPase activating protein 42 pseudogene 3
5569	ENSG00000242607	8309	0.22	processed pseudogene	8	12427359	12428639	ribosomal protein S3 pseudogene 34
5580	ENSG00000201623	83268	0.22	processed pseudogene	22	5311068	5311068	high mobility group box 1 pseudogene 20
5650	ENSG000002114245	83278	0.22	processed pseudogene	20	31635323	31635958	haloacid dehalogenase-like hydrolase domain containing 1 pseudogene 3
5691	ENSG00000217629	83413	0.22	processed pseudogene	2	26217663	26217950	ubiquitin-cytochrome c reductase hinge protein pseudogene 2
5611	ENSG000002028971	83593	0.22	processed pseudogene	2	10366268	10366268	diapyrone binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) pseudogene 2
5616	ENSG00000213366	8367	0.22	processed pseudogene	5	79999202	79999463	keratin 8 pseudogene 38
5623	ENSG00000202358	8376	0.22	processed pseudogene	10	90487242	90488871	keratin 18 pseudogene 22
5649	ENSG00000202358	8376	0.22	processed pseudogene	11	601106	601106	sorting nexin 19 pseudogene 2
5677	ENSG00000235500	84447	0.22	processed pseudogene	13	19466000	19469730	keratin 8 pseudogene 1
5740	ENSG00000259848	8449	0.22	processed pseudogene	14	39194779	39197685	voltage-dependent anion channel 1 pseudogene 9
5758	ENSG00000202368	8456	0.22	processed pseudogene	12	15789970	15789970	glyceroldehyde 3-phosphate dehydrogenase pseudogene 54
5789	ENSG00000202769	8516	0.22	processed pseudogene	20	45626235	45627127	MT-ND1 pseudogene 10
5783	ENSG00000229088	8519	0.22	processed pseudogene	22	36574602	36574573	ribosomal protein S15a pseudogene 18
5781	ENSG00000202913	85473	0.22	processed pseudogene	4	17096265	17096265	WAS protein family, member 5, pseudogene
5785	ENSG00000211402	8551	0.22	processed pseudogene	6	31252987	31256741	thrombin-RNA splicing 2, mitochondrial pseudogene
5805	ENSG000002048104	8572	0.22	processed pseudogene	4	13648272	13648832	ribosomal protein L3 pseudogene 1
5808	ENSG00000202149	8578	0.22	processed pseudogene	21	37542296	37542478	keratin 9B subunit B1a pseudogene 1
5827	ENSG00000211026	8578	0.22	processed pseudogene	13	28411724	28411724	proneuroendoplasmic pseudogene 1
5827	ENSG00000234706	8584	0.22	processed pseudogene	13	26911888	26913102	PC2 and LIM domain 1 pseudogene 2
5862	ENSG00000202691	86293	0.22	processed pseudogene	17	11248145	11248151	glucosaminyl (N-acetyl) transferase 1, core 2 pseudogene 1
5867	ENSG00000204741	86413	0.22	processed pseudogene	17	18420084	18420084	transmembrane protein 183A pseudogene 1
5876	ENSG00000217609	8655	0.22	processed pseudogene	6	29545236	29545225	immunoglobulin (CD) binding protein 1 pseudogene 3
5905	ENSG00000211552	86619	0.22	processed pseudogene	3	30462395	30462394	sorting nexin 20 pseudogene 20
5908	ENSG00000202924	86633	0.22	processed pseudogene	3	110414399	110414399	sorting nexin 18 pseudogene 9
5930	ENSG00000224185	87104	0.22	processed pseudogene	9	69451764	69452598	prothrombin pseudogene 1
5933	ENSG00000213091	8713	0.22	processed pseudogene	6	15030362	15030368	Rho GTPase activating protein 42 pseudogene 5
5938	ENSG00000202923	8717	0.22	processed pseudogene	14	19402029	19402029	ectonucleotide diphosphatase/phosphodiesterase 7 pseudogene 3
5940	ENSG00000248818	8718	0.22	processed pseudogene	3	12988633	12988633	SVT2 pre-mRNA splicing factor pseudogene 2
5941	ENSG00000202146	8719	0.22	processed pseudogene	9	35011070	35011262	cytochrome c small 2 pseudogene 2
5942	ENSG00000202913	8724	0.22	processed pseudogene	3	20438654	20438654	nucleoside diphosphate kinase 2 pseudogene 2
5959	ENSG00000226556	87414	0.22	processed pseudogene	X	47298135	47298173	nucleoside diphosphate kinase 2, mitochondrial pseudogene 49
5986	ENSG000002021541	8748	0.22	processed pseudogene	2	17988483	17988747	ribosomal protein S8 pseudogene 2
5978	ENSG000002021541	8748	0.22	processed pseudogene	3	16831928	16831928	gap junction protein, alpha 6, pseudogene
5980	ENSG00000202187	8762	0.22	processed pseudogene	X	1853199	1853240	suppressor of Ty 20 homolog (S. cerevisiae) like 1
6003	ENSG00000202731	8784	0.22	processed pseudogene	X	2438078	2438351	ribosomal protein L21 pseudogene 108
6015	ENSG000002049438	8800	0.22	processed pseudogene	5	7954268	7955600	keratin 18 pseudogene 45
6016	ENSG00000202220	8802	0.22	processed pseudogene	7	3983192	3983710	capicua transcriptional repressor pseudogene 22
6011	ENSG00000213211	8821	0.22	processed pseudogene	7	8999127	8999127	keratin 18 pseudogene 64
6036	ENSG00000257528	8824	0.22	processed pseudogene	12	62273099	62274553	keratin 8 pseudogene 19
6045	ENSG00000217629	8829	0.22	processed pseudogene	6	142272	142003	capicua transcriptional repressor pseudogene 18
6052	ENSG0000020104	8829	0.22	processed pseudogene	11	13969121	13969168	YY1 transcription factor pseudogene 2
6079	ENSG00000224005	88611	0.22	processed pseudogene	13	98482833	98483245	glyceroldehyde 3-phosphate dehydrogenase pseudogene 22
6087	ENSG00000226955	88683	0.22	processed pseudogene	7	49858815	49858815	capicua transcriptional repressor pseudogene 20
6093	ENSG00000218663	8873	0.22	processed pseudogene	7	9011222	9011222	neocentropodipole-associated pseudogene 7
6125	ENSG00000211688	89084	0.22	processed pseudogene	3	3805250	3805986	protein phosphatase 2, regulatory subunit B, delta pseudogene 1
6133	ENSG00000208728	89156	0.22	processed pseudogene	16	4871994	4873504	Kruppel-like factor 8 pseudogene 1
6154	ENSG00000202923	89156	0.22	processed pseudogene	18	1733222	1733222	zinc finger protein 48 pseudogene
6209	ENSG00000218682	8989	0.22	processed pseudogene	11	35881759	35881759	pseudogene 14
6216	ENSG000002081336	8987	0.22	processed pseudogene	16	47599001	47600795	eukaryotic translation initiation factor 4B pseudogene 5
6218	ENSG00000208087	8987	0.22	processed pseudogene	16	47599001	47600795	protein O-methyltransferase domain containing 1 pseudogene 2
6243	ENSG00000217862	90174	0.22	processed pseudogene	13	26898350	26811296	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of p58 repressor pseudogene 6
6245	ENSG00000211549	9019	0.22	processed pseudogene	1	23884558	23884558	keratin 18 pseudogene 33
6261	ENSG00000202121	9038	0.22	processed pseudogene	20	29929174	29929274	HAUS augmin-like complex, subunit 6 pseudogene 2
6262	ENSG00000202052	9039	0.22	processed pseudogene	15	3691875	36919976	hydroxyproline sulfotransferase 2 pseudogene 1
6268	ENSG00000204943	9073	0.22	processed pseudogene	17	26911431	26912512	SH3-domain GRG2-like 1 pseudogene 2
6362	ENSG00000213601	9147	0.22	processed pseudogene	12	190172693	190172693	keratin 18 pseudogene 19
6432	ENSG000002172912	92405	0.22	processed pseudogene	22	40965290	40965599	cytochrome c oxidase subunit VII polypeptide 1 (ubiquitous) pseudogene 3
6411	ENSG00000204769	4297	0.22	processed transcript	17	62745781	62778117	zinc finger protein 48 pseudogene 1
6411	ENSG00000217484	4297	0.22	processed transcript	17	11931147	11931147	zinc finger protein 48 pseudogene 2
6411	ENSG000002135077	12927	0.22	processed transcript	5	15651283	15659880	hepatitis A virus cellular receptor 2
1351	ENSG00000213503	1704	0.22	protein coding	5	18042607	18042768	butyrimin-like 3
1351	ENSG00000213503	1704	0.22	protein coding	5	18042607	18042768	butyrimin-like 3
1186	ENSG00000106743	2047	0.22	protein coding	4	127435359	127435448	glycophorin B (red blood group)
1439	ENSG00000183446	2382	0.22	protein coding	2	21902768	21903178	chemokine (C-X-C motif) receptor 1
1446	ENSG00000195338	2517	0.22	protein coding	2	17624969	17624969	peptide arginase kinase, type IV
1509	ENSG00000309238	2463	0.22	protein coding	2	30103635	30108236	yippee-like 3 (Trospalla)
1580	ENSG00000186886	2517	0.22	protein coding	19	866503	861340	PDH domain containing 4
1574	ENSG00000191166	2517	0.22	protein coding	4	48601294	48601294	integral membrane protein 28
1624	ENSG00000254418	2604	0.22	protein coding	19	52145806	52150054	sialic acid binding Ig-like lectin 14
1629	ENSG00000195501	2607	0.22	protein coding	19	5214781	52150151	sialic acid binding Ig-like lectin 5
1629	ENSG00000195501	2607	0.22	protein coding	2	21902768	21902768	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 1
1687	ENSG0000015295	2614	0.22	protein coding	X	48514985	48494918	EF-hand domain family, member D2
1679	ENSG0000018293	2614	0.22	protein coding	X	48514985	48494918	Wiskott-Aldrich syndrome
1688	ENSG00000243466	2683	0.22	protein coding	21	34638663	34669530	DIAB associated domain containing 2
1705	ENSG00000103490	2716	0.22	protein coding	16	31212806	31214771	Wiskott-Aldrich syndrome
1718	ENSG00000103992	2731	0.22	protein coding	11	1824200	1815407	platelet-activating factor receptor
1762	ENSG00000186840	2817	0.22	protein coding	1	2847387	2852047	platelet-activating factor receptor

3185	ENSG00000136081	FBOX11	4983	0.22	protein_coding	2	48016455	48132932	F box protein 11
3274	ENSG00000102689	TMR6A9	5114	0.22	protein_coding	14	55993229	57101	transmembrane protein 200
3347	ENSG00000197013	ZNF429	5281	0.22	protein_coding	19	21679484	2173072	zinc finger protein 429
3471	ENSG00000156273	BACH1	5291	0.22	protein_coding	21	30565362	31003071	BTB and CNC homology 1, basic leucine zipper transcription factor 1
3501	ENSG00000186964	ZNF292	5412	0.22	protein_coding	6	87862551	87973914	zinc finger protein 292
3569	ENSG00000151164	DMTF1	5514	0.22	protein_coding	7	86719107	86825523	cyclin D binding myx-like transcription factor 1
3591	ENSG00000187742	SECISBP2	5601	0.22	protein_coding	9	91933421	91974557	SECIS binding protein 2
3659	ENSG00000197764	BRAF	5732	0.22	protein_coding	7	140419127	140524064	v-raf proto-oncogene homolog B
3681	ENSG00000191851	ZNF44	6026	0.22	protein_coding	19	12339950	12360702	zinc finger protein 44
3867	ENSG00000076887	TNRC8C	6230	0.22	protein_coding	17	76000249	76104916	intracellular repeat-containing 8C
4110	ENSG00000195359	PP1FAL	6423	0.22	protein_coding	5	17176836	17169936	5-phosphoryl-L-tyrosine phosphatase
4222	ENSG00000202651	NUT13	6554	0.22	protein_coding	7	74870217	74893986	nucleic acid phosphate transferase, mostly 5-type motif 13
4422	ENSG00000175106	TVP23C	7129	0.22	protein_coding	17	15341206	15466909	trans-golgi network vesicle protein 23 homolog C (S. cerevisiae)
4446	ENSG00000106100	NOD1	7441	0.22	protein_coding	7	30464143	30518400	nucleotide-binding oligomerization domain containing 1
4530	ENSG00000105678	CDC39	7593	0.22	protein_coding	3	18030266	18027930	colocal domain containing 39
4539	ENSG00000146776	NTN1	7578	0.22	protein_coding	7	10524514	105517050	ataxin 1-like 1
4567	ENSG00000100480	CDKL1	7597	0.22	protein_coding	14	50736310	50883179	cyclin-dependent kinase-like 1 (CDC2-related kinase)
4596	ENSG00000102199	ZNF474	7719	0.22	protein_coding	3	46357662	46404962	zinc finger protein 474
5279	ENSG00000143178	TBX19	7835	0.22	protein_coding	1	16625078	16628364	T-box 19
5479	ENSG00000182063	CHRR2	8215	0.22	protein_coding	2	24068841	24069906	olfactory receptor, family 5, subfamily B, member 2
5497	ENSG00000102029	ANKK1	8241	0.22	protein_coding	11	11521053	11521140	ankyrin repeat and kinase domain containing 1
5503	ENSG00000202631	LOC728763	8238	0.22	protein_coding	2	24185202	24183228	Protein LOC728763
5505	ENSG00000172365	OR8B2	8239	0.22	protein_coding	11	58189738	58190786	olfactory receptor, family 5, subfamily B, member 2
5507	ENSG00000106327	OR5A11	8244	0.22	protein_coding	14	21623026	21624222	olfactory receptor, family 5, subfamily A11, member 1
5551	ENSG00000188076	SCGB1C1	8267	0.22	protein_coding	11	193808	194573	secretoglobin, family 1C, member 1
5556	ENSG00000101598	KRTAP5-4	8284	0.22	protein_coding	11	1842188	1843388	keratin associated protein 5-4
5557	ENSG00000101959	RPL4	8285	0.22	protein_coding	3	2092453	2092502	ribosomal protein L4
5636	ENSG00000165202	OR1Q1	8363	0.22	protein_coding	9	12537648	12537826	olfactory receptor, family 1, subfamily Q, member 1
5640	ENSG00000204462	OR2AE1	8377	0.22	protein_coding	7	9947180	9947449	olfactory receptor, family 2, subfamily AE, member 1
5704	ENSG00000102028	RIN4	8424	0.22	protein_coding	7	2144277	2144277	interleukin, alpha 5
5737	ENSG00000158723	OR10H1	8503	0.22	protein_coding	19	15917817	15918536	olfactory receptor, family 10, subfamily H, member 1
5762	ENSG00000102218	OR2S2	8528	0.22	protein_coding	9	35957105	35958151	olfactory receptor, family 2, subfamily S, member 2
5768	ENSG00000103071	OR5B2	8532	0.22	protein_coding	6	6198202	6198202	olfactory receptor, family 52, subfamily B, member 2
5771	ENSG00000130950	NUTM2F	8536	0.22	protein_coding	9	97077005	97090208	NUT family member 2F
5807	ENSG00000152591	DISP	8574	0.22	protein_coding	4	8853681	88538062	dentin sialophosphoprotein
5814	ENSG00000103362	TECTB	8583	0.22	protein_coding	3	3313655	3313655	HCP4-like Uncharacterized protein
5819	ENSG00000197104	BPF6B	8585	0.22	protein_coding	6	31619454	31618313	BPI fold containing family B, member 6
5821	ENSG00000205066		8589	0.22	protein_coding	14	93651318	93648432	Uncharacterized protein
5823	ENSG00000101977	CIB3	8589	0.22	protein_coding	16	1623128	1623128	calcium and integrin binding family member 3
5865	ENSG00000205973	86314	0.22	protein_coding	4	147145709	147150028	Uncharacterized protein	
5869	ENSG00000186589	KRT76	8642	0.22	protein_coding	12	5318139	5317129	keratin 76
5887	ENSG00000106911	TECTB	8644	0.22	protein_coding	14	11480100	11480493	keratin 76
5892	ENSG00000203990	OR1L4	8796	0.22	protein_coding	9	125281420	125282361	olfactory receptor, family 1, subfamily J, member 4
5896	ENSG00000203757	OR8K3	8799	0.22	protein_coding	1	15868958	15868793	olfactory receptor, family 6, subfamily K, member 3
6013	ENSG00000106584	KRTAP5-6	8792	0.22	protein_coding	11	1714944	1716944	keratin associated protein 5-6
6048	ENSG00000108197	BPF4	8814	0.22	protein_coding	3	21687450	21687450	BPI fold containing family B, member 4
6063	ENSG00000102436	GPR31	8840	0.22	protein_coding	6	167569759	167571817	G protein-coupled receptor 31
6077	ENSG00000192437	QR13C1	8860	0.22	protein_coding	1	24785520	24783385	olfactory receptor, family 13, subfamily C, member 1
6080	ENSG00000102286	NA60	8862	0.22	protein_coding	1	3493121	3493121	NADPH-dependent oxidase 60, NADPH catalytic subunit
6101	ENSG00000161133	USP41	8863	0.22	protein_coding	22	2074468	20745408	ubiquitin specific peptidase 41
6108	ENSG00000191233	OR1J2	8873	0.22	protein_coding	9	125273081	125274042	olfactory receptor, family 13, subfamily J, member 2
6184	ENSG00000186526	OR5Q1	8873	0.22	protein_coding	22	27741353	27741353	olfactory receptor, family 5, subfamily Q, member 2
6123	ENSG00000178817	MR6PRX4	8905	0.22	protein_coding	11	18194384	18195627	MAR-related GPCR, member X4
6128	ENSG00000186906	HTR1D	8909	0.22	protein_coding	3	16174932	16175157	5-hydroxytryptamine (serotonin) receptor 3D, ionotropic
6188	ENSG00000114569	OR1L6	8969	0.22	protein_coding	12	12561219	12561304	olfactory receptor, family 1, subfamily L, member 6
6210	ENSG00000151867	ANKAR	8989	0.22	protein_coding	2	19053016	19052919	ankyrin and armadillo repeat containing
6237	ENSG00000136884	OR1L7	9010	0.22	protein_coding	9	12529220	12529438	olfactory receptor, family 1, subfamily J, member 7
6246	ENSG00000206946	C1orf104	9018	0.22	protein_coding	12	8611415	8611415	chromosome 18 centromeric frame 64
6302	ENSG00000186038	HTR5E	9088	0.22	protein_coding	3	18381482	18382473	5-hydroxytryptamine (serotonin) receptor 5E, ionotropic
6374	ENSG00000205316	SLC26A5	9160	0.22	protein_coding	6	16833993	16804701	G protein-coupled receptor 113
6400	ENSG00000157421	CDC2P	9168	0.22	protein_coding	4	5465967	5465967	CUS domain containing protein 2
6442	ENSG00000170615	SLC26A5	9285	0.22	protein_coding	7	102983177	10306624	solute carrier family 26 (anion exchanger), member 5
6492	ENSG00000173567	GPR113	9617	0.22	protein_coding	2	26511041	26509895	G protein-coupled receptor 113
6494	ENSG00000202962		9617	0.22	protein_coding	2	7153294	7153294	RNA 5S ribosomal pseudogene 342
6496	ENSG00000202502		8407	0.22	rRNA	4	9794375	9794485	RNA 5S ribosomal pseudogene 154
3967	ENSG00000202508		5743	0.22	sense_intronic	1	2215699	22190932	CDC42 intronic transcript 1 (non-protein coding)
4720	ENSG00000202509		7202	0.22	sense_intronic	1	7744235	7744235	KIF1 intronic transcript 1 (non-protein coding)
6025	ENSG00000204450		8815	0.22	sense_intronic	11	111687938	11169936	ALG9 intronic transcript 1 (non-protein coding)
6235	ENSG00000204221		9008	0.22	sense_intronic	4	4477848	4483227	STX18 intronic transcript 1 (non-protein coding)
6130	ENSG00000204530		8964	0.22	sense_intronic	10	10002103	10002103	TNNT3 intronic RNA 1
4482	ENSG00000124261		7130	0.22	sncRNA	12	7203335	7203335	small nuclear RNA SNORA77
5171	ENSG00000202685		7858	0.22	sncRNA	16	12391054	12391180	Small nuclear nuclear RNA ACA64
6562	ENSG00000102683		8288	0.22	sncRNA	13	12911293	12911293	Small nuclear RNA SNORD118
6178	ENSG00000202522		8517	0.22	sncRNA	16	7543326	7543326	Small nuclear nuclear RNA SNORA76
2479	ENSG00000201726		3863	0.22	sncRNA	14	35314566	35314566	RNA, U7 small nuclear 41 pseudogene
3306	ENSG00000201658		4463	0.22	sncRNA	17	17032727	17032727	RNA, U8 small nuclear 761 pseudogene
3432	ENSG00000202782		5208	0.22	sncRNA	14	58759011	58759106	RNA, U6 small nuclear 341 pseudogene
3908	ENSG00000202019		5401	0.22	sncRNA	14	55329933	55329648	RNA, U6a small nuclear 8 pseudogene
3988	ENSG00000201748		6126	0.22	sncRNA	10	10223268	10223268	RNA, U6 small nuclear 828 pseudogene
3982	ENSG00000202297		6253	0.22	sncRNA	9	114890077	114890180	RNA, U6 small nuclear 855 pseudogene
4068	ENSG00000202527		6348	0.22	sncRNA	6	77863349	77863518	RNA, U7 small nuclear 87 pseudogene
4122	ENSG00000202205		6382	0.22	sncRNA	17	27721448	27721448	RNA, U6 small nuclear 1034 pseudogene
4346	ENSG00000201023		6749	0.22	sncRNA	6	74173796	74173900	RNA, U6 small nuclear 975 pseudogene
4572	ENSG00000202532		7074	0.22	sncRNA	10	43953513	43953577	RNA, U7 small nuclear 193 pseudogene
4718	ENSG00000201179		7262	0.22	sncRNA	7	10497327	10497343	RNA, U6 small nuclear 1322 pseudogene
4807	ENSG00000202044		7302	0.22	sncRNA	17	7982155	7982155	RNA, U6 small nuclear 534 pseudogene
4862	ENSG00000202455		7470	0.22	sncRNA	4	40079504	40079602	RNA, U6 small nuclear 1112 pseudogene
4868	ENSG00000202054		7470	0.22	sncRNA	12	62949362	62949369	RNA, U6 small nuclear 399 pseudogene
6244	ENSG00000198685		8401	0.22	sncRNA	16	27317250	27317250	RNA, U6 small nuclear 480 pseudogene
6360	ENSG000002021367		9038	0.22	sncRNA	8	103433425	103433425	RNA, U6 small nuclear 8 pseudogene
4291	ENSG0000011770		3956	0.22	TR_v_gene	7	14246463	14246475	T cell receptor beta joining 2-6
786	ENSG00000101694		1457	0.22	TR_v_gene	12	38338412	38338412	T cell receptor gamma variable 10 (non-functional)
4447	ENSG0000011728		6861	0.22	TR_v_gene	7	142131412	142131418	T cell receptor beta variable 5-6
5290	ENSG00000204461		7975	0.22	TR_v_pseudogene	7	142216280	142216232	T cell receptor beta variable 12-1 (pseudogene)
5937	ENSG00000202662		8712	0.22	transcribed_unprocessed_pseudogene	14	60960484	60963003	spall-like transcription factor 4 pseudogene 7
5381	ENSG00000206844		6108	0.22	transcribed_unprocessed_pseudogene	16	3272635	32787517	hcd domain and RLD 2 pseudogene 5
5735	ENSG00000208199		8503	0.22	transcribed_unprocessed_pseudogene	18	3310525	33104411	hcd domain and RLD 2 pseudogene 8
5842	ENSG00000202353		8613	0.22	transcribed_unprocessed_pseudogene	12	20956882		

6360	ENSG0000023581		9137.1	0.22	unprocessed_pseudogene	19	43124364	43137186	carcinoembryonic antigen-related cell adhesion molecule pseudogene 1
6367	ENSG0000023556		9142.9	0.22	unprocessed_pseudogene	11	67441757	67442714	effector receptor, family 7, subfamily E, member 1 pseudogene
1581	ENSG0000024397		2553.1	0.22					
1751	ENSG00000234484		2796.8	0.22					
1908	ENSG00000221122		3010.5	0.22					
1944	ENSG00000237753		3071	0.22					
2024	ENSG00000218809		3188.2	0.22					
2232	ENSG00000268602		3461.7	0.22					
2299	ENSG00000269250		3480.2	0.22					
2411	ENSG00000231259		3771.3	0.22					
2554	ENSG00000267040		3852.7	0.22					
2685	ENSG00000268161		4164.5	0.22					
2721	ENSG00000233820		4217.7	0.22					
2763	ENSG00000226525		4294.3	0.22		3	101220999	101221101	Small nuclear RNA U13
2866	ENSG00000227299		4443.7	0.22					
2882	ENSG00000267102		4469.3	0.22					
2975	ENSG00000271284		4630.4	0.22					
2984	ENSG00000268195		4661.4	0.22					
3024	ENSG00000220614		4721.9	0.22					
3061	ENSG00000226549		4782.7	0.22					
3076	ENSG00000210031		4799.3	0.22					
3089	ENSG00000228195		4825.8	0.22					
3113	ENSG00000226306		4865.6	0.22					
3114	ENSG00000226906		4867.2	0.22					
3123	ENSG00000260349		4887.3	0.22					
3127	ENSG00000271721		4895.6	0.22					
3229	ENSG00000214952	PARG	5081.8	0.22		10	51623417	5172924	pcy (ADP-ribose) glycohydrolase pseudogene 1
3235	ENSG00000267283		5079.3	0.22					
3235	ENSG00000298813		5233.3	0.22					
3343	ENSG00000230478		5256	0.22		2	85600577	85600637	RNA, U7 small nuclear 162 pseudogene
3358	ENSG00000272498		5276.3	0.22					
3376	ENSG00000269997		5318.6	0.22					
3440	ENSG00000230438		5415.4	0.22					
3481	ENSG00000260306		5480.4	0.22					
3567	ENSG00000244459		5598.9	0.22					
3603	ENSG00000234538		5713.8	0.22					
3677	ENSG00000218313		5753.8	0.22					
3718	ENSG00000226292		5829.6	0.22					
3725	ENSG00000240472		5848.8	0.22					
3761	ENSG00000265736		5897.1	0.22					
3779	ENSG00000234252		5938.6	0.22					
3879	ENSG00000226979		6105	0.22					
3885	ENSG00000263320		6109	0.22					
3904	ENSG00000232768		6130.1	0.22					
3917	ENSG00000240472		6154.2	0.22					
3951	ENSG00000255441		6261	0.22					
3984	ENSG00000265739		6247.1	0.22					
4014	ENSG00000240699		6275.6	0.22					
4105	ENSG00000269844		6414.6	0.22					
4122	ENSG00000256708		6435.1	0.22					
4148	ENSG00000226599		6457.6	0.22					
4151	ENSG0000021028		6462	0.22					
4157	ENSG00000235795		6475.6	0.22					
4178	ENSG00000233816		6502.1	0.22					
4192	ENSG00000272980		6521.1	0.22					
4271	ENSG00000264497		6632.2	0.22					
4243	ENSG00000272144		6712.7	0.22					
4378	ENSG00000271925		6863.3	0.22					
4403	ENSG00000214067		6855	0.22					
4435	ENSG00000216316		6893.5	0.22					
4459	ENSG00000237653		6941	0.22					
4474	ENSG00000250848		6940.8	0.22					
4482	ENSG00000267430		6946.2	0.22					
4494	ENSG00000231765		6969.6	0.22					
4528	ENSG00000264630		7013.9	0.22					
4531	ENSG00000228857		7018.3	0.22					
4535	ENSG00000211532		7027.3	0.22					
4554	ENSG00000227253		7051.4	0.22					
4562	ENSG00000273356		7064.4	0.22					
4750	ENSG00000231691		7300.7	0.22					
4769	ENSG00000267234		7343.4	0.22					
4800	ENSG00000237704		7378.6	0.22					
4838	ENSG0000024284		7433.5	0.22					
4847	ENSG00000233030		7442.1	0.22					
4857	ENSG00000236470		7464.1	0.22					
4867	ENSG00000235268		7505	0.22					
4890	ENSG00000265881		7506.3	0.22					
4890	ENSG00000226280		7589.6	0.22					
4906	ENSG00000230879		7608.4	0.22					
4967	ENSG00000234477		7639.8	0.22					
5009	ENSG00000248137		7663.3	0.22					
5045	ENSG00000237629		7720.3	0.22					
5070	ENSG00000254048		7731	0.22					
5109	ENSG000002101278		7789.4	0.22					
5118	ENSG00000224007		7803.2	0.22					
5119	ENSG00000232259		7803.3	0.22					
5123	ENSG00000237927		7808.6	0.22					
5128	ENSG00000226167		7814.3	0.22					
5144	ENSG00000241163		7824.4	0.22					
5180	ENSG00000269893		7869.9	0.22					
5185	ENSG00000221622		7873	0.22					
5204	ENSG00000216192		7883.3	0.22					
5285	ENSG00000251334		7961.3	0.22					
5296	ENSG00000251145		8002.2	0.22					
5301	ENSG00000232891		8003.3	0.22					
5302	ENSG00000237471		8008.4	0.22					
5335	ENSG00000226195		8046.1	0.22					
5336	ENSG00000250400		8047.5	0.22					
5340	ENSG00000225015		8052.9	0.22	1	142660017	142660749	sorting nexin 18 pseudogene 15	
5349	ENSG00000226229		8063.1	0.22					
5352	ENSG00000225481		8070.3	0.22					
5355	ENSG00000234557		8074.9	0.22					
5362	ENSG00000261000		8082.6	0.22					
5369	ENSG00000232363		8088.8	0.22					
5371	ENSG00000270048		8091.9	0.22					
5380	ENSG00000272859		8107.6	0.22					
5404	ENSG00000223977		8136.4	0.22					
5411	ENSG00000224095		8143.9	0.22					
5413	ENSG00000257884		8149.7	0.22					
5428	ENSG00000237655		8180.5	0.22					
5440	ENSG00000265616		8182.3	0.22					
5446	ENSG00000251647		8188.2	0.22					
5448	ENSG00000231650		8190.6	0.22					
5454	ENSG00000264899		8196	0.22					
5458	ENSG00000257019	OR13C2	8200.7	0.22	9	107366924	107367951	effector receptor, family 13, subfamily C, member 2	
5465	ENSG00000225162		8205.1	0.22	4	47813481	47813662	RNA, 7SK small nuclear pseudogene 215	
5481	ENSG00000237026		8216.8	0.22					
5484	ENSG00000250354		8222.6	0.22					
5485	ENSG00000225338		8224.2	0.22					
5488	ENSG00000221048		8235.8	0.22					
5499	ENSG00000273454		8236	0.22					
5510	ENSG00000268347		8245.9	0.22	1	24298284	24298576	RNA, 7SL, cytoplasmic 24, pseudogene	
5515	ENSG00000259367		8255.1	0.22	15	62888224	6294290	ADAMTS1 pseudogene 2	
5522	ENSG00000263650		8259.2	0.22	17	45119191	45119483	RNA, 7SL, cytoplasmic 270, pseudogene	
5526	ENSG00000260396		8261.4	0.22					
5530	ENSG00000254796		8264.6	0.22					
5538	ENSG00000235933		8273.3	0.22					
5553	ENSG00000236560		8289.8	0.22					
5560	ENSG00000231751		8297	0.22					
5561	ENSG00000254398		8298.7	0.22					
5564	ENSG00000226157		8302.7	0.22					
5575	ENSG00000230384		8316.2	0.22					
5579	ENSG00000227680		8327.2	0.22					
5581	ENSG00000272631		8329.2	0.22					
5582	ENSG00000224346		8329.5	0.22					
5584	ENSG000002681200		8333.3	0.22					
5588	ENSG00000233625		8336	0.22					
5600	ENSG00000271527		8348	0.22					
5606	ENSG00000260671		8352.8	0.22					
5609	ENSG00000234900		8359.9	0.22					
5613	ENSG00000265380		8366	0.22					
5619	ENSG00000229044		8373.5	0.22					
5621	ENSG00000216352		8375.9	0.22					
5626	ENSG00000269862		8379.5	0.22					
5631	ENSG00000211571		8385.5	0.22					
5632	ENSG00000248510		8389	0.22					
5635	ENSG00000223500		8391.1	0.22					
5647	ENSG00000243794		8404.8	0.22					
5652	ENSG00000271710		8409.5	0.22					
5655	ENSG00000269339		8411.8	0.22	12	51618860	51620085	Uncharacterized protein	

5658	ENSG000002049717	8413.7	0.22					
5660	ENSG000002078071	8418.7	0.22	14	71683031	71683462		HCG2028611, Uncharacterized protein
5662	ENSG00000205158	8420.9	0.22					
5666	ENSG00000203606	8429	0.22					
5671	ENSG00000206298	8433	0.22					
5672	ENSG00000211035	8434.3	0.22					
5678	ENSG000002033884	8447.2	0.22					
5679	ENSG00000201452	8449.4	0.22					
5681	ENSG00000201688	8462.2	0.22					
5685	ENSG000002048967	8468.8	0.22					
5688	ENSG00000204685	8468.4	0.22					
5700	ENSG00000201760	8470.1	0.22					
5705	ENSG00000202824	8474.5	0.22					
5708	ENSG00000202916	8475.2	0.22					
5709	ENSG00000202495	8478.5	0.22					
5710	ENSG0000020196295	8478.8	0.22					
5715	ENSG000002043810	8485.7	0.22					
5718	ENSG00000202507	8490.3	0.22					
5720	ENSG000002027685	8491.5	0.22					
5725	ENSG00000202554	8493.5	0.22					
5726	ENSG00000202929	8494.1	0.22					
5731	ENSG000002028672	8499.3	0.22					
5732	ENSG00000202211	8499.3	0.22					
5740	ENSG00000202125	8508	0.22					
5742	ENSG000002087406	8512.7	0.22					
5747	ENSG00000202926	8515.3	0.22					
5748	ENSG000002048927	8515.8	0.22					
5753	ENSG000002024881	8521.2	0.22					
5754	ENSG000002021394	8521.7	0.22					
5770	ENSG00000202926	8534.8	0.22					
5774	ENSG000002028585	8542	0.22					
5777	ENSG000002027262	8543.9	0.22					
5784	ENSG00000202365	8551.8	0.22					
5785	ENSG000002018360	8552.3	0.22					
5786	ENSG000002023186	8552.4	0.22	16	87348326	87348429		Small nuclear RNA U13
5793	ENSG00000202328	8562.3	0.22					
5800	ENSG000002028059	8570.2	0.22					
5809	ENSG000002024243	8575.4	0.22					
5816	ENSG000002024815	8583.4	0.22					
5817	ENSG000002024448	8583.8	0.22					
5824	ENSG000002028796	8592	0.22					
5828	ENSG000002027481	8597.3	0.22					
5831	ENSG000002042993	8600.5	0.22					
5838	ENSG000002023299	8607.5	0.22	9	45363481	45363852		cyclin-dependent kinase 2 associated protein 2 pseudogene 1
5840	ENSG00000202784	8610.2	0.22					
5841	ENSG000002028962	8611.5	0.22					
5845	ENSG000002020431	8614	0.22					
5848	ENSG000002026096	8617.7	0.22					
5855	ENSG000002031371	8623.3	0.22					
5858	ENSG0000020271164	8627.2	0.22					
5860	ENSG000002021279	8628.1	0.22					
5872	ENSG000002048196	8644.4	0.22					
5873	ENSG0000020260413	8649	0.22					
5879	ENSG000002024681	8655.9	0.22					
5880	ENSG000002026288	8655.5	0.22					
5884	ENSG000002028770	8660.7	0.22					
5885	ENSG000002029892	8661.8	0.22					
5888	ENSG000002025428	8667.1	0.22					
5890	ENSG000002023334	8668	0.22					
5894	ENSG000002027992	8670.6	0.22					
5897	ENSG000002025361	8671	0.22					
5900	ENSG000002020747	8676.6	0.22					
5903	ENSG000002021137	8678.6	0.22					
5904	ENSG000002023532	8678.8	0.22					
5916	ENSG000002026204	8684.2	0.22					
5920	ENSG000002027535	8702.7	0.22					
5924	ENSG000002024115	8703.8	0.22					
5936	ENSG000002011262	8716.4	0.22					
5946	ENSG000002025404	8727.4	0.22					
5947	ENSG000002026583	8727.8	0.22					
5953	ENSG000002024071	8732.9	0.22					
5962	ENSG000002028745	8745.5	0.22					
5963	ENSG000002025428	8745.8	0.22					
5967	ENSG000002027074	8748.8	0.22					
5968	ENSG0000020253875	8750.3	0.22					
5971	ENSG000002025479	8752.8	0.22					
5973	ENSG000002024015	8756.8	0.22					
5983	ENSG0000020254884	8769.8	0.22					
5984	ENSG000002028588	8770	0.22					
5985	ENSG0000020235728	8771.4	0.22					
5990	ENSG000002028637	8775.2	0.22					
5994	ENSG000002020128	8776.8	0.22					
5995	ENSG00000201615	8779.3	0.22					
5996	ENSG0000020236299	8781	0.22					
6000	ENSG000002048678	8782.2	0.22					
6001	ENSG000002025124	8782.7	0.22					
6002	ENSG000002026261	8783.8	0.22					
6004	ENSG00000204640	8784.8	0.22					
6007	ENSG000002027688	8787.8	0.22					
6008	ENSG0000020270360	8787.9	0.22					
6017	ENSG000002026543	8808	0.22					
6018	ENSG000002018414	8808.6	0.22					
6019	ENSG0000020281541	8807.7	0.22					
6028	ENSG000002028114	8819	0.22					
6033	ENSG000002028133	8822.8	0.22					
6034	ENSG000002025187	8824	0.22					
6039	ENSG000002026289	8825.2	0.22					
6054	ENSG000002027558	8837.1	0.22					
6067	ENSG000002021703	8846.6	0.22					
6074	ENSG000002026271	8859.2	0.22					
6076	ENSG000002027428	8862	0.22					
6085	ENSG0000020254707	8866.2	0.22					
6096	ENSG000002043129	8876.9	0.22					
6099	ENSG000002018372	8878.3	0.22					
6103	ENSG000002022277	8884.2	0.22					
6105	ENSG000002028849	8887	0.22					
6118	ENSG000002020748	8895.5	0.22	7	2514390	2516528		galactin-related inter-fiber protein
6129	ENSG000002028536	8912.1	0.22					
6132	ENSG000002028945	8915.2	0.22					
6136	ENSG00000202320	8918.4	0.22					
6137	ENSG000002025862	8916.8	0.22					
6140	ENSG000002024859	8920.2	0.22					
6141	ENSG000002025374	8920.4	0.22					
6147	ENSG0000020250407	8925.3	0.22					
6149	ENSG0000020249036	8930.7	0.22					
6151	ENSG000002022095	8933.1	0.22					
6152	ENSG0000020271484	8933.5	0.22					
6158	ENSG000002027491	8939	0.22					
6162	ENSG000002021699	8940.2	0.22					
6164	ENSG0000020236368	8943.8	0.22					
6167	ENSG000002023484	8944.4	0.22					
6168	ENSG000002021638	8946.5	0.22					
6173	ENSG000002021364	8951.9	0.22					
6178	ENSG0000020258390	8958.7	0.22					
6179	ENSG000002021489	8961.1	0.22					
6186	ENSG000002025494	8965.5	0.22					
6198	ENSG0000020254334	8977.8	0.22					
6204	ENSG000002026302	8982	0.22					
6219	ENSG0000020284908	8986	0.22					
6220	ENSG0000020231108	8988.5	0.22					
6222	ENSG000002024710	8989.9	0.22					
6224	ENSG000002028122	9000.7	0.22					
6225	ENSG000002022270	9001	0.22	7	65112777	65180636		integrator complex subunit 4-like 2
6226	ENSG000002028892	9002.7	0.22					
6240	ENSG0000020251113	9014.2	0.22					
6249	ENSG0000020260746	9026.8	0.22					
6251	ENSG000002029274	9029.4	0.22					
6256	ENSG000002026555	9033.3	0.22					
6264	ENSG0000020258589	9040.8	0.22					
6270	ENSG000002027288	9049.9	0.22					
6274	ENSG00000202625	9056.4	0.22					
6282	ENSG0000020287889	9065.8	0.22					
6284	ENSG000002027939	9068.8	0.22					
6296	ENSG000002021667	9071.8	0.22					
6295	ENSG0000020250751	9080.2	0.22					
6317	ENSG000002024604	9106.1	0.22					
6318	ENSG0000020221555	9107	0.22					
6320	ENSG0000020265494	9108	0.22					
6335	ENSG000002027397	9120.1	0.22					
6337	ENSG000002026999	9129.9	0.22					
6338	ENSG0000020253418	9125.5	0.22					

6847	ENSG00000232792	9618.5	0.21	processed_pseudogene	1	18504069	18504117	ferritin heavy polypeptide 1 pseudogene 25	
6848	ENSG00000231009	9621.7	0.21	processed_pseudogene	1	4584270	4584279	keratin 18 pseudogene 68	
6873	ENSG00000239995	9648.3	0.21	processed_pseudogene	2	4850995	4850942	tumor protein, transcriptionally-controlled 1 pseudogene 11	
6888	ENSG00000237959	9662.9	0.21	processed_pseudogene	1	8904353	8904384	ribosomal protein L36a pseudogene 10	
6882	ENSG00000236547	9662.9	0.21	processed_pseudogene	6	81083726	8108428	ribosomal protein L17 pseudogene 25	
6884	ENSG00000237116	9662.9	0.21	processed_pseudogene	2	16243790	16243790	keratin 10 pseudogene 45	
6844	ENSG00000238002	9711.1	0.21	processed_pseudogene	9	8247734	8248170	nuclear pore associated protein 1 pseudogene 6	
6842	ENSG00000231290	9728.8	0.21	processed_pseudogene	3	4236249	4236487	spalt-like transcription factor 1 pseudogene 6	
6862	ENSG00000209789	9744.1	0.21	processed_pseudogene	15	4398316	4398316	keratin 8 pseudogene 50	
6992	ENSG00000228948	9765	0.21	processed_pseudogene	9	108611991	108611903	solute carrier family 25 (mitochondrial carrier, adenosine nucleoside translocator), member 6	
7010	ENSG00000214563	9784.2	0.21	processed_pseudogene	6	5629366	5629439	pseudogene 5	
7023	ENSG00000233786	9786.4	0.21	processed_pseudogene	2	133019001	13302015	cell division cycle 27 pseudogene 1	
7034	ENSG00000237589	9805.9	0.21	processed_pseudogene	19	54271225	54271807	high mobility group nucleosome binding domain 1 pseudogene 32	
7090	ENSG00000233369	9832	0.21	processed_pseudogene	10	1626910	1626902	ribosomal protein L37 pseudogene 5	
7115	ENSG00000226246	9876.7	0.21	processed_pseudogene	9	3079469	3080074	keratin 18 pseudogene 36	
7138	ENSG00000234030	9891.4	0.21	processed_pseudogene	21	4520304	4520344	transmembrane protein 37 pseudogene 1	
7170	ENSG00000234899	9913.3	0.21	processed_pseudogene	13	31113760	31113304	microfilament-associated protein 1 pseudogene 1	
7234	ENSG00000232491	9919.9	0.21	processed_pseudogene	7	5629327	5629745	cyclin J pseudogene 1	
7249	ENSG00000237977	9921.2	0.21	processed_pseudogene	18	33421723	33422381	nuclear receptor binding factor 2 pseudogene 1	
7316	ENSG00000235263	10056.2	0.21	processed_pseudogene	17	25929814	25929777	integral membrane protein 28 pseudogene 1	
7300	ENSG00000224802	10060.6	0.21	processed_pseudogene	9	34109169	3410966	ubiquitin, beta 4B class IVb pseudogene 2	
7374	ENSG00000249919	10077.6	0.21	processed_pseudogene	5	11889945	118891353	fatty acid binding protein 5 pseudogene 6	
831	ENSG00000404528	1038.4	0.21	protein_coding	3	8915924	8915324	PDH receptor A3	
1429	ENSG00000198738	MRB1	2305.1	0.21	protein_coding	16	1988211	1993327	methionine sulfoxide reductase B1
1429	ENSG00000198738	PPBP	2370.2	0.21	protein_coding	4	7485275	7485314	pro-plalet basic protein (chemokine (C-X-C motif) ligand 7)
1594	ENSG00000192698	FAM216B	2587.2	0.21	protein_coding	20	5453381	5453476	family with sequence similarity 210, member 6
1605	ENSG00000174885	NRIP6	2583.1	0.21	protein_coding	11	278385	28339	NLR family, pyrin domain containing 8
1623	ENSG00000089892	LAG3	2604.5	0.21	protein_coding	12	6884878	6887621	lymphocyte-activation gene 3
1738	ENSG00000134020	PTPRAP	2720.9	0.21	protein_coding	17	8722111	8722111	protein tyrosine phosphatase receptor type C, associated protein
1787	ENSG00000130707	SIRPB1	2839	0.21	protein_coding	20	1544187	1600707	signal-regulatory protein beta 1
1787	ENSG00000187808	SQWHD	2882.8	0.21	protein_coding	X	11888275	11889416	scandown ankyrin repeat domain family member D
1784	ENSG00000137138	PCDH14	2915.9	0.21	protein_coding	10	735210	735210	chromosome 10 pseudogene 54
1807	ENSG00000119535	CSF3R	2934.5	0.21	protein_coding	1	3693164	3694879	colony stimulating factor 1 receptor (granulocyte)
1840	ENSG00000187850	CD300C	2987.1	0.21	protein_coding	17	7253747	7254282	CD300c molecule
1843	ENSG00000137177	RASGEF3B	2998	0.21	protein_coding	17	3899199	3899199	RASGEF3B protein domain 4
1840	ENSG00000239713	AP0BEC3G	2946.2	0.21	protein_coding	22	3943622	3948378	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G
1856	ENSG00000154217	PITPNCA1	2953.8	0.21	protein_coding	17	65373575	6538373	phosphatidylinositol transfer protein, cytoplasmic 1
1856	ENSG00000154217	PITPNCA2	2954.2	0.21	protein_coding	17	381323	381323	myeloid differentiation primary response 88
1870	ENSG00000104984	CD37	2968.1	0.21	protein_coding	19	4983828	4984592	CD37 molecule
1875	ENSG00000142512	SIGLEC10	2971.9	0.21	protein_coding	19	51913275	5192167	sialic acid binding Ig-like lectin 10
1880	ENSG00000184900	ADAP2	3017.7	0.21	protein_coding	17	2923392	2923640	pleckstrin homology domain containing, family O member 2
1910	ENSG00000184900	ADAP2	3017.7	0.21	protein_coding	17	2923392	2923640	ARFAP with dual PH domains 2
1914	ENSG00000069227	PPP2R3A	3108.8	0.21	protein_coding	1	21245879	21253200	protein phosphatase 2, regulatory subunit B, alpha
2078	ENSG00000164701	UBE2D1	3260.7	0.21	protein_coding	10	6094726	60130213	ubiquitin-conjugating enzyme E2D 1
2096	ENSG00000164701	UBE2D1	3260.7	0.21	protein_coding	10	6094726	60130213	ubiquitin-conjugating enzyme E2D 1
2118	ENSG00000146278	PNRC1	3313.1	0.21	protein_coding	6	8970470	8970479	proline-rich nuclear receptor coactivator 1
2124	ENSG00000056767	SRFBP1	3338.3	0.21	protein_coding	6	10651485	10650714	PR domain containing 1, with 2NF domain
2150	ENSG00000174144	FAM81A	3366.4	0.21	protein_coding	5	1760598	1760590	family with sequence similarity 8, member A1
2214	ENSG00000234445	BIRC3	3460.2	0.21	protein_coding	11	10218215	10221034	baculoviral IAP repeat containing 3
2216	ENSG00000202520	PCMBP1B	3460.6	0.21	protein_coding	18	6795602	6791090	proteasome (prosome, multicatalytic, subunit, beta type, 10)
2236	ENSG00000202524	NAT23	3487.8	0.21	protein_coding	10	16291310	16291310	melastatin adenovirusinducible 1, beta
2258	ENSG00000160883	HCK1	3531	0.21	protein_coding	5	176307870	176320333	hexokinase 3 (white cell)
2258	ENSG00000176603	SLC3A1	3566.1	0.21	protein_coding	15	5239925	5271569	solute carrier organic anion transporter family, member 3A1
2336	ENSG00000169000	ZNF268	3694.5	0.21	protein_coding	15	29452	29452	zinc finger protein 268
2338	ENSG00000174852	ZNF268	3670.8	0.21	protein_coding	19	952327	954234	zinc finger protein 268
2365	ENSG00000188886	STAT6	3699.2	0.21	protein_coding	12	57489191	57492922	signal transducer and activator of transcription 6, interleukin 4 induced
2361	ENSG00000082986	MYO10	3722.6	0.21	protein_coding	12	14892085	14892768	myosin X
2384	ENSG00000150337	FOGRI1A	3700.8	0.21	protein_coding	1	149754227	14976074	Fc fragment of IgG, high affinity Ia, receptor (CD64)
2386	ENSG00000135836	DYF3	3738	0.21	protein_coding	2	7168082	7161388	dyxferlin
2406	ENSG00000160310	PCP2	3738.8	0.21	protein_coding	41	469278	469278	protein arginine methyltransferase 2
2452	ENSG00000102218	RP2	3825.8	0.21	protein_coding	8	4698375	4674193	retinyl palmitate 2 (X-linked recessive)
2478	ENSG00000154451	GBP5	3883.2	0.21	protein_coding	1	8972453	8973844	guanylate binding protein 5
2524	ENSG00000164598	KIF20A	3884.2	0.21	protein_coding	13	1830316	1830317	Kinesin-like family member 8
2545	ENSG00000164598	TPSIN1P1	3940.1	0.21	protein_coding	8	9593820	9596169	tumor protein p53 inducible nuclear protein 1
2570	ENSG00000209216	CCP2P1	3952.5	0.21	protein_coding	15	5552220	5507308	cell cycle progression 1
2590	ENSG00000143366	CCP2P1	3952.5	0.21	protein_coding	15	5552220	5507308	myosin cell leukemia protein 1 (BCL2-related)
2627	ENSG00000183484	GPR132	4068.5	0.21	protein_coding	14	10551528	10553172	G protein-coupled receptor 132
2641	ENSG00000143409	FAM33A	4089.9	0.21	protein_coding	1	15098025	15098081	family with sequence similarity 63, member A
2655	ENSG00000126598	PCNT1	4130.4	0.21	protein_coding	5	1387166	1387166	zinc finger CCHC-type, antisense 1
2679	ENSG00000159320	NFKB1	4380.3	0.21	protein_coding	4	10342480	10338459	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
2827	ENSG00000170581	STAT2	4454.8	0.21	protein_coding	12	5874581	5875309	signal transducer and activator of transcription 2, 113kDa
2904	ENSG00000151213	KMO	4552.8	0.21	protein_coding	23	23242	23242	ketonucleoside triphosphate dephosphorylase
2909	ENSG00000117005	KMO	4551.4	0.21	protein_coding	1	2419534	24175894	ketonucleoside triphosphate dephosphorylase
2918	ENSG00000112851	ERBB2P	4578.8	0.21	protein_coding	5	6522293	6537877	erbB2 interacting protein
2918	ENSG00000112851	ERBB2P	4578.8	0.21	protein_coding	5	6522293	6537877	erbB2 interacting protein
2984	ENSG00000119836	CCDC17B	4642.4	0.21	protein_coding	14	7449556	7449566	chromosome 7 open reading frame 43
2984	ENSG00000119836	CCDC17B	4642.4	0.21	protein_coding	14	7449556	7449566	collet-coiled-coiled containing 17b
3011	ENSG00000164184	S1002	4707.7	0.21	protein_coding	5	7814826	7821475	S100 calcium binding protein 2
3111	ENSG00000169118	GPR144	4801.9	0.21	protein_coding	12	5751618	5751618	G protein-coupled receptor 114
3184	ENSG00000135968	GCC2	4987	0.21	protein_coding	2	19095017	19095171	GRIP and coiled-coil domain containing 2
3184	ENSG00000135968	GCC2	4987	0.21	protein_coding	2	19095017	19095171	GRIP and coiled-coil domain containing 2
3201	ENSG00000163867	ZMYM6	4990.7	0.21	protein_coding	1	3544923	3549769	zinc finger, MYM-type 6
3202	ENSG00000163867	ZMYM6	4990.7	0.21	protein_coding	1	3544923	3549769	zinc finger, MYM-type 6
3224	ENSG00000198740	ZNF652	5081.8	0.21	protein_coding	17	4736958	4734935	zinc finger protein 652
3262	ENSG00000048405	ZNF800	5124.9	0.21	protein_coding	7	12998844	127071878	zinc finger protein 800
3291	ENSG00000049411	TBC1D22A	5167.3	0.21	protein_coding	22	4718818	4751338	TBC1 domain family member 22A
3307	ENSG00000117664	FNP1	5209.8	0.21	protein_coding	22	6075448	6075442	zinc finger, C2H2 domain containing 2
3309	ENSG00000217128	FNP1	5209.8	0.21	protein_coding	5	13097467	131132710	folliculin interacting protein 1
3378	ENSG00000045993	DCN1P1	5366.6	0.21	protein_coding	3	16265862	16270342	DCN1, defective in cutis marmorata 1, domain containing 1
3439	ENSG00000116200	PKFYVE	5411.4	0.21	protein_coding	1	2091140	2091140	phosphotyrosine kinase 1, F.Y.E. finger containing
3441	ENSG00000151532	VH11A	5419.8	0.21	protein_coding	10	114289756	114287603	vesicle transport through interaction with 51NARF5, 1A
3447	ENSG00000169232	ZNF91	5430.3	0.21	protein_coding	19	2344736	2357862	zinc finger protein 91
3452	ENSG00000040451	SOX3	5433.8	0.21	protein_coding	1	169831872	169831872	SOX3 (S. cerevisiae)
3452	ENSG00000271786	5557.7	0.21	protein_coding	10	18931465	18931423	Uchradenylated protein	
3573	ENSG00000170471	RALGAPB	5582.8	0.21	protein_coding	20	3710459	37207304	Ral GTPase activating protein, beta subunit (non-catalytic)
3680	ENSG00000159586	ZNF230	5750.8	0.21	protein_coding	16	44501790	44518010	zinc finger protein 230
3723	ENSG00000082258	CNT2	5835	0.21	protein_coding	2	13597505	13591812	cyclin 2
3730	ENSG00000207315	ZBED6	5841.9	0.21					

6901	ENSG00000170790	CR10A2	9670	0.21	protein_coding	11	6892924	6891978	effector receptor, family 10, subfamily A, member 2
6922	ENSG00000171198	TAS2R38	9670	0.21	protein_coding	7	141672431	141672431	taste receptor, type 2, member 38
6947	ENSG00000139448	KRT17	9723	0.21	protein_coding	12	52937693	52946931	keratin 17
6949	ENSG00000198443	KRTAP4-1	9726	0.21	protein_coding	17	39340354	39341594	keratin associated protein 4-1
6979	ENSG00000163962	C10P1	9737	0.21	protein_coding	6	4196379	4229618	deceit1
7011	ENSG00000163963	CR131	9737	0.21	protein_coding	9	39887875	39870461	effector receptor, family 13, subfamily J, member 1
7048	ENSG00000204001	LCN8	9815	0.21	protein_coding	9	139648838	139652878	lipocalin 8
7058	ENSG00000184276	DEFB10B	9842	0.21	protein_coding	11	7154765	7154976	defensin, beta 10B
7069	ENSG00000208423	KRT12	9843	0.21	protein_coding	12	4795913	47104118	keratin 12
7073	ENSG00000126255	SRFBP1	9838	0.21	protein_coding	19	35881831	35883855	G protein-coupled receptor 42 (genepseudogene)
7110	ENSG00000187510	PLEKHG7	9872	0.21	protein_coding	12	8311528	8316623	pleckstrin homology domain containing, family G (with RHOGEF domain) member 7
7118	ENSG00000181850	KRT12	9879	0.21	protein_coding	12	5278715	52801139	keratin 12
7134	ENSG00000214700	C12orf71	9889	0.21	protein_coding	12	27233991	27235447	chromosome 12 open reading frame 71
7160	ENSG00000189605	RNASE9	9908	0.21	protein_coding	14	21024252	21024900	ribonuclease, RNase A family, 9 (non-active)
7168	ENSG00000202955	NXF1	9914	0.21	protein_coding	X	101007085	101112549	nuclear RNA export factor 5
7205	ENSG00000183895	MR6PRX2	9947	0.21	protein_coding	11	19076002	19828228	MAS-related GPR, member X2
7231	ENSG00000146839	ZAN	9975	0.21	protein_coding	6	10031249	10039519	zonahesin (genepseudogene)
7308	ENSG00000207170	LOC10050374	10051	0.21	protein_coding	9	5674136	5667119	Uncharacterized protein
7443	ENSG00000171060	C1orf74	10183	0.21	protein_coding	8	10530147	10558103	chromosome 8 open reading frame 74
7484	ENSG00000205780	C1orf74	10227	0.21	protein_coding	12	10354520	103542087	Uncharacterized protein
7523	ENSG00000191138	TAS2R42	10258	0.21	protein_coding	12	11339599	11339543	taste receptor, type 2, member 42
7585	ENSG00000157890	MEGF11	10332	0.21	protein_coding	15	66187147	66546085	multiple EGF-like domains 11
5605	ENSG00000201492		8352	0.21	rRNA	1	22968562	22968579	rRNA, 5S ribosomal pseudogene 78
6396	ENSG00000210338		9132	0.21	rRNA	6	62331917	62332008	rRNA, 5S ribosomal pseudogene 210
6517	ENSG00000252072		9315	0.21	rRNA	10	75468248	75468371	rRNA, 5S ribosomal pseudogene 320
3211	ENSG00000202325		5039	0.21	sense_intronic	1	17489295	17489713	RABGAP1L intronic transcript 1 (non-protein coding)
6899	ENSG00000201927		9645	0.21	sense_intronic	2	15989469	15989600	USP2 intronic transcript 1 (non-protein coding)
6878	ENSG00000254886		8655	0.21	sense_intronic	11	13329904	133235975	OPCML intronic transcript 1 (non-protein coding)
2657	ENSG00000202448		3934	0.21	sncRNA	1	3844969	3844969	Small nuclear RNA SNORD63
6892	ENSG00000202969		6328	0.21	sncRNA	1	87121	87121	Small nuclear RNA SNORD74
6930	ENSG00000198411		9567	0.21	sncRNA	9	13998787	13998882	Small nuclear RNA SNORD62
2882	ENSG00000207399		4419	0.21	sncRNA	8	10436789	10439726	rRNA, U5 small nuclear 101, pseudogene
1125	ENSG00000201841		4803	0.21	sncRNA	17	173263	173263	U7 small nuclear RNA
3545	ENSG00000201783		5384	0.21	sncRNA	10	4310006	4310011	rRNA, U5 small nuclear 1170, pseudogene
3564	ENSG00000202304		5598	0.21	sncRNA	11	380262	380266	rRNA, U7 small nuclear 50 pseudogene
3908	ENSG00000202299		6188	0.21	sncRNA	12	1335128	1335128	rRNA, U6 small nuclear 12, pseudogene
4104	ENSG00000207337		6417	0.21	sncRNA	15	52199397	52199502	rRNA, U6 small nuclear 15, pseudogene
4333	ENSG00000200799		6728	0.21	sncRNA	6	10871327	108713381	rRNA, U6 small nuclear 770, pseudogene
4478	ENSG00000201513		7421	0.21	sncRNA	10	7415122	7415122	rRNA, U6 small nuclear 805, pseudogene
4730	ENSG00000205148		8278	0.21	sncRNA	2	20194455	20194467	rRNA, U6 small nuclear 1208, pseudogene
6161	ENSG00000202046		8940	0.21	sncRNA	8	20993705	20993705	rRNA, U6 small nuclear 150, pseudogene
6256	ENSG00000201299		9670	0.21	sncRNA	18	1419069	1419069	rRNA, U6 small nuclear 316, pseudogene
6256	ENSG00000201399		9033	0.21	sncRNA	8	4858033	4858039	rRNA, U6 small nuclear 665, pseudogene
6674	ENSG00000201916		9273	0.21	sncRNA	6	3251771	3251787	rRNA, U1 small nuclear 61, pseudogene
684	ENSG00000201448		9248	0.21	sncRNA	6	7159472	7159705	rRNA, U6 small nuclear 520, pseudogene
684	ENSG00000201709		9424	0.21	sncRNA	15	6521259	6521259	rRNA, U6 small nuclear 686, pseudogene
6832	ENSG00000202204		9608	0.21	sncRNA	15	72337524	72337708	rRNA, U2 small nuclear 65, pseudogene
6840	ENSG00000202348		9615	0.21	sncRNA	3	10133470	10133472	rRNA, U6 small nuclear 1295, pseudogene
7183	ENSG00000202286		9901	0.21	sncRNA	3	2020379236	2020379236	rRNA, U6 small nuclear 1295, pseudogene
2141	ENSG00000201766		3348	0.21	TR_v_gene	7	142484381	142484426	T cell receptor beta panning 2-2P (non-functional)
6020	ENSG00000201739		6933	0.21	TR_v_gene	7	142166338	142167190	T cell receptor beta variable 3'2 (pseudogene)
6020	ENSG00000204044		9134	0.21	TR_v_gene	14	22845781	22845781	T cell receptor alpha variable 31 (pseudogene)
5517	ENSG000002027625	SLC7A7P1	8256	0.21	transcribed_unprocessed_pseudo_gene	12	98847613	98850923	solute carrier family 7, subfamily A (NH2), cation proton antiporter 71, member 7 pseudogene 1
6399	ENSG000002058774		9145	0.21	transcribed_unprocessed_pseudo_gene	14	92070746	92071663	Narog homeobox pseudogene 7
6520	ENSG000002035420		9319	0.21	transcribed_unprocessed_pseudo_gene	15	71088936	71090527	ribosomal protein L29 pseudogene 30
6549	ENSG00000176584	DMBT1P1	9345	0.21	transcribed_unprocessed_pseudo_gene	10	124518210	124558996	deleted in malignant brain tumors 1 pseudogene 1
6718	ENSG000002050517		9504	0.21	transcribed_unprocessed_pseudo_gene	12	63933733	63400662	lactate dehydrogenase A-like 6C, pseudogene
3015	ENSG000002027671	MIR3916	4701	0.21	transcribed_unprocessed_pseudo_gene	1	247353153	24734158	miRNA 3916
3521	ENSG000002014176	PLEKHM1P	5537	0.21	transcribed_unprocessed_pseudo_gene	17	62775377	62833272	pleckstrin homology domain containing, family M (with RUN domain) member 1 pseudogene
3989	ENSG00000123870		6254	0.21	transcribed_unprocessed_pseudo_gene	19	53081758	53100660	zinc finger protein 137, pseudogene
5190	ENSG000002068849		7876	0.21	transcribed_unprocessed_pseudo_gene	19	51714336	51715344	sialic acid binding Ig-like lectin 22, pseudogene
6057	ENSG000002081279	ULK4P1	8838	0.21	transcribed_unprocessed_pseudo_gene	15	32698799	32727193	ULK4 pseudogene 1
6436	ENSG00000187893	CXCR1P1	9228	0.21	transcribed_unprocessed_pseudo_gene	X	47566990	47612855	CXCR1 pseudogene 1
6496	ENSG00000179420	ORXW1P	9296	0.21	transcribed_unprocessed_pseudo_gene	7	142759427	142760735	effector receptor, family 6, subfamily W, member 1 pseudogene
6527	ENSG000002027104		9325	0.21	transcribed_unprocessed_pseudo_gene	1	56404387	56404953	phosphatidylinositol glycan anchor biosynthesis, class Q pseudogene 1
6584	ENSG00000080947	CROCCP3	9382	0.21	transcribed_unprocessed_pseudo_gene	1	16793931	16825752	ciliary rootlet coiled-coil, noctilin pseudogene 3
6711	ENSG000002034479	AP1B1P1	9486	0.21	transcribed_unprocessed_pseudo_gene	22	32517964	32529456	adaptor-related protein complex 1, beta 1 subunit pseudogene 1
6817	ENSG000002032554		9587	0.21	transcribed_unprocessed_pseudo_gene	10	45595614	45611549	Ras suppressor protein 1 pseudogene 2
6820	ENSG000002048848	PPBP2	9590	0.21	transcribed_unprocessed_pseudo_gene	4	74919755	74921116	pro-peptide basic protein pseudogene 2
6855	ENSG00000205449	NBPF2P2	9738	0.21	transcribed_unprocessed_pseudo_gene	5	85578278	85592281	neuroblastoma breakpoint family, member 22, pseudogene
7168	ENSG00000209357		9934	0.21	transcribed_unprocessed_pseudo_gene	15	75992294	75993306	DNM1 pseudogene 34
6030	ENSG00000158481		8653	0.21	unitary_pseudogene	2	241048519	24104859	effector receptor, family 5, subfamily 5, member 1 pseudogene
6615	ENSG00000204705		9424	0.21	unitary_pseudogene	12	48621971	48622865	effector receptor, family 11, subfamily M, member 1 pseudogene
6719	ENSG00000202592		9565	0.21	unitary_pseudogene	X	77421193	77427919	fibronectin type III domain containing 3C, pseudogene
6973	ENSG00000201906		10955	0.21	unitary_pseudogene	9	115721474	11572454	major urinary protein, pseudogene
7344	ENSG00000204249	SKINTL	9988	0.21	unitary_pseudogene	16	48681784	48681780	Skinn like, pseudogene
7348	ENSG00000206072		10983	0.21	unitary_pseudogene	18	31812906	31813818	vonorestatin 1 receptor 67 pseudogene
2895	ENSG00000206075	NSFP1	4429	0.21	unprocessed_pseudogene	17	44450221	44454507	N-ethylmaleimide-sensitive factor pseudogene 1
4372	ENSG00000204560	TRIM5P	6958	0.21	unprocessed_pseudogene	11	71814260	71815122	effector receptor, family 7, subfamily E, member 150 pseudogene
5882	ENSG00000204455	TRIM5EP	6660	0.21	unprocessed_pseudogene	11	89586008	89586061	tripartite motif-containing 51B, pseudogene
6090	ENSG00000182531		8872	0.21	unprocessed_pseudogene	10	15048860	15050383	effector receptor, family 7, subfamily E, member 115 pseudogene
6114	ENSG00000182531		8924	0.21	unprocessed_pseudogene	10	3062635	3062634	DNM1 pseudogene 17
6205	ENSG00000186234		8984	0.21	unprocessed_pseudogene	4	96941119	9704578	family with sequence similarity 88, member M, pseudogene
6253	ENSG00000201223		9032	0.21	unprocessed_pseudogene	19	43783095	43788470	carcinoembryonic antigen-related cell adhesion molecule pseudogene 11
6291	ENSG00000181763		9075	0.21	unprocessed_pseudogene	1	24024636	24024638	effector receptor, family 2, subfamily 1, member 32 pseudogene
6315	ENSG000002018491		9104	0.21	unprocessed_pseudogene	8	36746000	36746225	tumor protein, transcriptionally-controlled 1 pseudogene 8
6437	ENSG000002014880	CRF75P	9230	0.21	unprocessed_pseudogene	11	35746179	35753881	effector receptor, family 7, subfamily E, member 5 pseudogene
6479	ENSG000002010003		9280	0.21	unprocessed_pseudogene	1	22910260	22910694	capicua transcriptional repressor pseudogene 26
6590	ENSG00000204386		9379	0.21	unprocessed_pseudogene	4	3903293	3903293	effector receptor, family 7, subfamily E, member 182 pseudogene
6625	ENSG00000182763		9419	0.21	unprocessed_pseudogene	6	28014212	28015145	effector receptor, family 2, subfamily B, member 7 pseudogene
6850	ENSG00000202578		9408	0.21	unprocessed_pseudogene	10	24798651	24799750	effector receptor, family 11, subfamily M, member 1 pseudogene
6708	ENSG00000151631	AKR1CP	9493	0.21	unprocessed_pseudogene	10	4518093	4518093	aldo-keto reductase 1, member D8, pseudogene
6749	ENSG00000186992		9528	0.21	unprocessed_pseudogene	2	96212279	96213315	effector receptor, family 7, subfamily E, member 102 pseudogene
6790	ENSG000002020558		9582	0.21	unprocessed_pseudogene	19	43084585	43085902	carcinoembryonic antigen-related cell adhesion molecule pseudogene 2
6795	ENSG00000188101		9569	0.21	unprocessed_pseudogene	9	95675438	95683842	arachidonate 15-lipoxygenase pseudogene 2
6799	ENSG00000204447		9571	0.21	unprocessed_pseudogene	11	67503079	67504030	effector receptor, family 7, subfamily E, member 111 pseudogene
700									

4208	ENSG00000224487		6541.7	0.21				
4209	ENSG00000224488		6692.4	0.21				
4309	ENSG00000218757		6996	0.21				
4312	ENSG00000243104		6701.3	0.21				
4393	ENSG00000266972		6841.4	0.21				
4481	ENSG00000215111		6945.1	0.21				
4499	ENSG00000255455		6974.2	0.21				
4583	ENSG00000246159		7082	0.21	5	79535306	79535408	Small nuclear RNA U13
4587	ENSG00000230066		7082.4	0.21				
4632	ENSG00000273196		7138.7	0.21				
4638	ENSG00000229526		7160	0.21				
4684	ENSG00000225498		7227	0.21				
4707	ENSG00000266536		7240	0.21				
4729	ENSG00000242290		7271.9	0.21				
4746	ENSG00000225370		7293	0.21				
4748	ENSG00000268156		7294.9	0.21				
4750	ENSG00000238739		7313.8	0.21	7	90236318	90236422	Small nuclear RNA U13
4768	ENSG00000198416		7375.8	0.21				
4832	ENSG000002041981		7422.3	0.21				
4877	ENSG00000229018		7489.1	0.21				
5017	ENSG00000229461		7572.7	0.21				
5048	ENSG00000258968		7705.3	0.21				
5097	ENSG00000230163		7770.3	0.21				
5108	ENSG00000225445		7783	0.21				
5161	ENSG00000255487		7844.8	0.21				
5191	ENSG00000254876		7876	0.21				
5193	ENSG00000270941		7893	0.21				
5211	ENSG00000224555		7912.3	0.21				
5269	ENSG00000268337		7976.5	0.21				
5288	ENSG00000268162		7985.2	0.21	17	65403959	65404062	Small nuclear RNA U13
5373	ENSG00000228395		8084.8	0.21				
5407	ENSG00000246363		8141.3	0.21				
5432	ENSG00000272489		8170.3	0.21				
5451	ENSG00000235834		8193.9	0.21				
5455	ENSG00000230105		8196.2	0.21				
5460	ENSG00000255288		8211.8	0.21				
5595	ENSG00000232179		8343.2	0.21				
5607	ENSG00000226455		8354.8	0.21				
5614	ENSG00000267468		8326.8	0.21				
5661	ENSG00000235145		8419.5	0.21				
5708	ENSG00000229961		8477	0.21				
5744	ENSG00000224411		8484	0.21				
5717	ENSG00000229339		8490.2	0.21				
5738	ENSG00000259862		8509.5	0.21				
5748	ENSG00000272949		8514.8	0.21				
5760	ENSG00000232303		8527.8	0.21				
5763	ENSG00000233099		8530	0.21				
5776	ENSG00000204107		8542.8	0.21				
5830	ENSG00000269911		8599	0.21				
5833	ENSG00000217631		8603.9	0.21				
5834	ENSG00000237129		8605.2	0.21				
5843	ENSG00000272636		8613.1	0.21				
5884	ENSG00000257896		8629.9	0.21				
5874	ENSG00000232048		8651.6	0.21				
5929	ENSG00000295715	MR3118-3	8701.2	0.21	1	142667289	142667303	microRNA 3118-1
5943	ENSG00000222982		8722.7	0.21				
5977	ENSG00000268186		8780.4	0.21				
5988	ENSG00000225441		8781.5	0.21				
6010	ENSG00000255962		8793.8	0.21				
6021	ENSG00000254214		8811.4	0.21	14	106785676	106785916	immunoglobulin heavy variable (II)-28-1 (pseudogene)
6038	ENSG00000237658		8812.8	0.21				
6059	ENSG00000255165		8839.3	0.21				
6084	ENSG00000237073		8843.8	0.21				
6072	ENSG00000238555		8857.3	0.21				
6073	ENSG00000218976		8858.7	0.21				
6084	ENSG00000250726		8859.9	0.21				
6086	ENSG00000225040		8864.8	0.21				
6092	ENSG00000269873		8873.8	0.21				
6102	ENSG00000290382		8882.9	0.21				
6116	ENSG00000266444		8888	0.21				
6144	ENSG00000255800	OR13C5	8924.7	0.21	9	107360650	107361788	olfactory receptor, family 13, subfamily C, member 5
6150	ENSG00000241815		8931.9	0.21				
6181	ENSG00000216867		8921	0.21				
6185	ENSG00000228539		8965.4	0.21				
6187	ENSG00000254801		8967.8	0.21				
6193	ENSG00000252828		8974.5	0.21				
6200	ENSG00000215168		8980	0.21				
6202	ENSG00000263312		8980.5	0.21				
6211	ENSG00000232578		8989.8	0.21				
6215	ENSG00000270569		8993.4	0.21				
6216	ENSG00000242941		8995.2	0.21				
6233	ENSG00000232009		9005.5	0.21				
6234	ENSG00000235581		9008.4	0.21				
6236	ENSG00000213873		9009	0.21				
6238	ENSG00000226566		9012.8	0.21				
6242	ENSG00000239033		9016.8	0.21	12	31603104	31603207	Small nuclear RNA U13
6265	ENSG00000224539		9041.3	0.21				
6268	ENSG00000208126		9041.4	0.21				
6272	ENSG00000287443		9051.5	0.21				
6273	ENSG00000226334		9057.5	0.21				
6277	ENSG00000256498		9060.3	0.21				
6279	ENSG00000266424		9061.6	0.21				
6297	ENSG00000221967		9062.2	0.21	3	128681008	128681101	microRNA 1280
6298	ENSG00000271620		9063.2	0.21				
6308	ENSG00000252575		9068.3	0.21				
6316	ENSG00000230452		9105.1	0.21				
6321	ENSG00000255279		9109.6	0.21	16	89599524	89599902	RNA, U7 small nuclear 117 pseudogene
6322	ENSG00000229800		9115.5	0.21				
6323	ENSG000002043022		9111	0.21				
6326	ENSG00000270456		9114.6	0.21				
6328	ENSG00000270366		9117.2	0.21				
6333	ENSG000002081044		9119.8	0.21				
6334	ENSG00000239577		9119.8	0.21				
6339	ENSG00000241381		9127.8	0.21				
6343	ENSG00000270655		9131.6	0.21				
6346	ENSG00000269877		9135.6	0.21				
6348	ENSG00000233449		9136.5	0.21				
6351	ENSG00000228586		9138.3	0.21				
6355	ENSG00000231830		9142.5	0.21				
6356	ENSG00000234225		9142.8	0.21				
6360	ENSG00000254730		9146.1	0.21				
6366	ENSG00000231191		9152	0.21				
6370	ENSG00000232108		9159.3	0.21				
6371	ENSG00000221070		9159.3	0.21				
6376	ENSG00000238033		9166.3	0.21				
6379	ENSG00000225410		9168	0.21				
6381	ENSG00000213527		9170	0.21				
6382	ENSG00000237666		9171.5	0.21				
6383	ENSG00000233867		9171.7	0.21				
6389	ENSG00000252396		9174.4	0.21				
6391	ENSG00000215589		9180	0.21				
6397	ENSG00000251578		9187.3	0.21				
6398	ENSG00000254910		9189.3	0.21				
6400	ENSG00000253115		9190.9	0.21				
6405	ENSG00000241745		9197.9	0.21				
6408	ENSG00000261734		9200	0.21				
6410	ENSG00000264044		9200.7	0.21				
6412	ENSG00000224776		9201.9	0.21				
6422	ENSG00000266815		9212.7	0.21				
6424	ENSG000002323548		9213.9	0.21				
6430	ENSG00000250519		9225.4	0.21				
6433	ENSG00000226008		9227.5	0.21				
6442	ENSG00000256350		9232.6	0.21				
6449	ENSG00000251584		9232.2	0.21				
6461	ENSG00000251522		9236	0.21				
6468	ENSG00000271408		9260	0.21				
6469	ENSG00000268940		9260.1	0.21				
6472	ENSG00000237119		9268.3	0.21				
6475	ENSG00000259058		9275	0.21				
6477	ENSG00000261748		9279.4	0.21				
6481	ENSG00000222127		9281	0.21				
6484	ENSG00000225413		9285.8	0.21				
6487	ENSG00000255160		9288.7	0.21				
6490	ENSG00000268966		9291.6	0.21				
6493	ENSG00000268540		9292.3	0.21				
6497	ENSG00000220931		9296.5	0.21				
6506	ENSG00000244506		9300.3	0.21				
6507	ENSG00000260137		9302.9	0.21				
6508	ENSG00000234553		9305.1	0.21				
6518	ENSG00000231318		9321	0.21	7	150888267	150902582	IQ motif containing with AAA domain 1 pseudogene 1
6521	ENSG00000254974		9320.7	0.21				

6524	ENSG00000271158		9322.9	0.21				
6526	ENSG00000265538		9323.3	0.21				
6529	ENSG00000226524		9325.4	0.21				
6532	ENSG00000227338		9330.5	0.21				
6533	ENSG00000226495		9334.4	0.21				
6536	ENSG00000226226		9337.5	0.21				
6544	ENSG00000233304		9342.1	0.21				
6548	ENSG00000226296		9342.2	0.21				
6550	ENSG00000248984		9345.5	0.21				
6552	ENSG00000246242		9347.4	0.21				
6553	ENSG00000226438		9347.8	0.21				
6554	ENSG00000242426		9348.1	0.21				
6555	ENSG00000224014		9348.6	0.21	14	107275873	107276304	immunoglobulin heavy variable 3-79 (pseudogene)
6557	ENSG00000271853		9352.2	0.21				
6558	ENSG00000226312		9352.4	0.21				
6560	ENSG00000237837		9353.2	0.21				
6563	ENSG00000272989		9355.9	0.21				
6566	ENSG00000231178		9356.6	0.21				
6567	ENSG00000250493		9357.6	0.21				
6568	ENSG000002081751		9358.1	0.21				
6570	ENSG00000231268		9359.2	0.21				
6575	ENSG000002085152		9364.9	0.21				
6578	ENSG000001591223	DMRTC1	9368.7	0.21	X	72091859	72163853	DMRTC-like family C1
6580	ENSG00000225741		9368.8	0.21				
6583	ENSG00000233784		9371.9	0.21				
6585	ENSG00000225344		9374.5	0.21				
6589	ENSG00000225415		9376.6	0.21				
6591	ENSG00000225513		9379.8	0.21				
6595	ENSG00000219314		9383.3	0.21				
6599	ENSG00000231533		9383.3	0.21				
6600	ENSG00000232347		9391.1	0.21				
6601	ENSG00000272545		9393.6	0.21				
6613	ENSG00000231256		9403.2	0.21				
6614	ENSG00000256627		9403.4	0.21				
6616	ENSG00000232175		9404.3	0.21				
6617	ENSG00000233689		9405.9	0.21				
6623	ENSG00000228910		9416.3	0.21				
6624	ENSG00000231884		9416.7	0.21				
6626	ENSG00000234548		9421.4	0.21				
6635	ENSG00000271507		9430.9	0.21				
6637	ENSG00000233858		9433	0.21				
6641	ENSG00000228681		9434.8	0.21				
6643	ENSG00000255438		9438.1	0.21				
6646	ENSG00000271727		9438.7	0.21				
6647	ENSG00000210798		9437.6	0.21				
6652	ENSG00000231346		9441.3	0.21				
6658	ENSG00000251588		9448.1	0.21				
6666	ENSG00000257044		9457	0.21				
6673	ENSG00000230961		9462	0.21				
6679	ENSG00000267704		9466.4	0.21				
6683	ENSG00000232625		9469	0.21				
6684	ENSG00000254897		9469.8	0.21				
6685	ENSG00000197585		9470.9	0.21				
6687	ENSG00000232760		9472.9	0.21				
6688	ENSG00000255442		9481.2	0.21	19	44596257	44596551	RNA, 75L, cytoplasmic 53, pseudogene
6689	ENSG00000208430		9481.9	0.21				
6703	ENSG00000232719		9483.8	0.21				
6707	ENSG00000258166		9491.1	0.21				
6712	ENSG00000252354		9496.6	0.21				
6714	ENSG00000245963		9498.2	0.21				
6721	ENSG00000151863		9507.5	0.21				
6723	ENSG00000232785		9509.4	0.21				
6725	ENSG00000174452		9509.8	0.21				
6726	ENSG00000266601		9509.8	0.21				
6727	ENSG000002051817		9511.8	0.21				
6734	ENSG00000244457		9516.8	0.21				
6739	ENSG00000253163		9521	0.21				
6750	ENSG00000230725		9530	0.21				
6752	ENSG00000231522		9531.4	0.21				
6756	ENSG00000213328		9535.6	0.21				
6759	ENSG00000208189		9537.3	0.21				
6764	ENSG00000236241		9541.7	0.21				
6766	ENSG00000228478		9542.3	0.21				
6769	ENSG00000259476		9544.6	0.21				
6772	ENSG00000230228		9545.5	0.21				
6781	ENSG00000252146		9555.9	0.21				
6782	ENSG00000232714		9556.4	0.21				
6788	ENSG00000234417		9560.8	0.21				
6796	ENSG00000231772		9569.3	0.21				
6797	ENSG00000232379		9571.2	0.21				
6798	ENSG00000224623		9571.5	0.21				
6801	ENSG00000230239		9575.2	0.21				
6813	ENSG00000232920		9585	0.21				
6823	ENSG00000244653		9592.2	0.21				
6827	ENSG00000234703		9596.9	0.21				
6828	ENSG00000271638		9600.8	0.21				
6831	ENSG00000208273		9604.9	0.21				
6833	ENSG00000231638		9607.5	0.21				
6834	ENSG00000253182		9609	0.21				
6836	ENSG00000230230		9611.2	0.21				
6837	ENSG00000230230		9611.2	0.21				
6838	ENSG00000223436		9612.7	0.21				
6841	ENSG00000252025	RNU6-8P	9617	0.21	13	4571997	45712100	RNA, U6 small nuclear 8P, pseudogene
6843	ENSG00000259372		9617.2	0.21				
6845	ENSG00000208182		9618.3	0.21				
6850	ENSG00000231449		9629.8	0.21				
6856	ENSG00000233896		9636	0.21				
6861	ENSG000002085728		9635.4	0.21				
6867	ENSG000002057097		9644.4	0.21				
6870	ENSG00000225628		9645.5	0.21				
6871	ENSG00000258679		9647.3	0.21				
6874	ENSG0000021550		9648.8	0.21				
6881	ENSG00000258118		9649.2	0.21				
6884	ENSG00000257623		9660.1	0.21				
6886	ENSG00000248954		9667.2	0.21				
6897	ENSG00000259422		9668	0.21				
6898	ENSG00000205286		9668	0.21				
6899	ENSG0000029499		9668.1	0.21				
6903	ENSG00000208168		9672.4	0.21	2	121221911	121223897	long intergenic non-protein coding RNA 1101
6904	ENSG00000232448		9672.7	0.21				
6907	ENSG00000229313		9676	0.21				
6911	ENSG00000231493		9680.4	0.21				
6913	ENSG00000234357		9682.9	0.21				
6915	ENSG00000226454		9684.6	0.21				
6925	ENSG00000231173		9692	0.21				
6927	ENSG00000241597		9695	0.21				
6933	ENSG000002080141		9703.1	0.21				
6934	ENSG00000231490		9703.8	0.21				
6942	ENSG00000250282		9708.1	0.21				
6946	ENSG00000230813		9714.5	0.21				
6948	ENSG00000208777		9725.7	0.21				
6950	ENSG00000258735		9728.7	0.21	13	24322243	24323901	Uncharacterized protein
6954	ENSG00000234972	TBC1D3	9729.7	0.21	17	34580902	34757050	TBC1 domain family, member 3C
6956	ENSG00000232598		9736.2	0.21				
6958	ENSG00000271495		9736.5	0.21				
6964	ENSG00000233077		9743.5	0.21				
6971	ENSG00000236591		9752.5	0.21				
6974	ENSG00000250443		9755.5	0.21				
6981	ENSG00000256733		9758.3	0.21				
6984	ENSG00000233896		9759	0.21				
6987	ENSG00000229871		9761.7	0.21				
6990	ENSG00000237840		9763.4	0.21				
6999	ENSG00000208943		9769.2	0.21				
7001	ENSG00000251210		9774	0.21				
7003	ENSG00000248576		9773.2	0.21				
7004	ENSG00000259754		9774	0.21				
7006	ENSG00000257863		9782.2	0.21				
7012	ENSG00000233685		9784.4	0.21				
7016	ENSG00000208291		9788	0.21				
7022	ENSG00000208231		9789.2	0.21				
7025	ENSG00000228391		9799.4	0.21				
7031	ENSG00000270212		9803.3	0.21				
7033	ENSG00000245988		9804.4	0.21				
7035	ENSG00000230773		9806.2	0.21				
7039	ENSG00000255146		9809.2	0.21				
7041	ENSG00000222222		9809.8	0.21				
7043	ENSG00000225278		9811.1	0.21				
7045	ENSG00000227479		9812.9	0.21				
7047	ENSG00000246001		9815	0.21				
7049	ENSG00000248165		9816.8	0.21				

2972	ENSG00000213770	4826	0.2	processed_pseudogene	10	2763668	2763919	family with sequence similarity 210, member C, pseudogene
4453	ENSG00000215231	4992	0.2	processed_pseudogene	3	2756297	2756307	ribosomal protein S23 pseudogene 15
4497	ENSG00000270923	7231.4	0.2	processed_pseudogene	7	14148715	14148840	laste receptor, type 2, member 6
4622	ENSG00000223549	7408.7	0.2	processed_pseudogene	2	12097277	12097485	MF-ND5 pseudogene 28
4623	ENSG00000229816	8170.5	0.2	processed_pseudogene	2	3242699	3242908	DEADH (Arg-Glu-Asp)HeI box polypeptide 50 pseudogene 1
4719	ENSG00000229623	8475.3	0.2	processed_pseudogene	21	6292713	6292748	methylenetetrahydrofolate reductase 27A pseudogene 1
5701	ENSG00000216636	8495.0	0.2	processed_pseudogene	6	34584315	34585035	ribosomal protein L7 pseudogene 25
5713	ENSG00000225890	8550	0.2	processed_pseudogene	14	65995546	65996266	eukaryotic translation initiation factor 1A, X-linked pseudogene 2
5901	ENSG00000225890	8617.5	0.2	processed_pseudogene	14	12413522	12413522	high mobility group box 1 pseudogene 1
5922	ENSG00000224706	8703	0.2	processed_pseudogene	6	34584315	34585035	ribosomal protein L7 pseudogene 13
6197	ENSG00000225890	8676	0.2	processed_pseudogene	2	62749156	62749558	ribosomal L4A domain containing 1 pseudogene 2
6269	ENSG00000225890	8617.5	0.2	processed_pseudogene	2	1703789	1703789	city acid binding protein 5 pseudogene 1
6367	ENSG00000225890	9042.7	0.2	processed_pseudogene	14	31433553	31433928	HG1 hypoxia inducible domain family, member 1A pseudogene 17
6378	ENSG00000224866	9092	0.2	processed_pseudogene	8	1200844	1200844	defensin, beta 109, pseudogene 3
6383	ENSG00000225890	9149	0.2	processed_pseudogene	7	7552703	7552703	ribosomal protein L7-like pseudogene 3
6630	ENSG00000229371	9425.2	0.2	processed_pseudogene	9	23780143	23780394	ribosomal protein S27 pseudogene 29
6863	ENSG00000223389	9724.4	0.2	processed_pseudogene	8	14407287	14407399	cell division cycle 42 pseudogene 3
7032	ENSG00000231905	9803.8	0.2	processed_pseudogene	1	20639978	20639978	adenosylmethionine decarboxylase 1 pseudogene 1
7066	ENSG00000213450	9830	0.2	processed_pseudogene	3	7736593	7736749	SE1 pseudogene 10
7072	ENSG00000213450	9837.5	0.2	processed_pseudogene	3	2973373	2973468	voltage-dependent anion channel 1 pseudogene 7
7088	ENSG00000208347	9851.4	0.2	processed_pseudogene	6	4853001	4853212	NF-Y2-like export factor 1 pseudogene 1
7127	ENSG00000235124	9885.5	0.2	processed_pseudogene	X	5801120	5801287	myoD domain cofactor synthesis 1 pseudogene 1
7162	ENSG00000219143	9908.4	0.2	processed_pseudogene	14	19828437	19828437	keratin 8 pseudogene 17
7166	ENSG00000254294	9939	0.2	processed_pseudogene	8	12441282	12441435	inflammatory receptor family 1, subfamily 11, member 13 pseudogene 6
7220	ENSG00000237285	9969	0.2	processed_pseudogene	6	32252996	32253955	IMP (inosine monophosphate) dehydrogenase 1 pseudogene 6
7228	ENSG00000215448	9974.4	0.2	processed_pseudogene	20	46489832	46489832	heterogeneous nuclear ribonucleoprotein A1 pseudogene 2
7247	ENSG00000244753	9988.3	0.2	processed_pseudogene	17	10763852	10764779	sperminine synthase pseudogene 1
7248	ENSG00000234113	9989	0.2	processed_pseudogene	8	8586820	8586909	ribosomal protein L15 pseudogene 21
7258	ENSG00000217401	10007.7	0.2	processed_pseudogene	7	3863063	3863063	actin, beta pseudogene 6
7262	ENSG00000226818	10009.0	0.2	processed_pseudogene	7	10077280	10077379	ADP-ribosylation factor-like SA pseudogene 2
7265	ENSG00000240554	10010	0.2	processed_pseudogene	11	29747311	29748112	ADP-ribosylation factor-like SA pseudogene 1
7284	ENSG00000211281	10019.3	0.2	processed_pseudogene	2	11371033	11371033	high mobility group nuclear binding domain 2 pseudogene 23
7317	ENSG00000271602	10057.2	0.2	processed_pseudogene	11	4743970	4744011	keratin 8 pseudogene 49
7322	ENSG00000227624	10061.3	0.2	processed_pseudogene	16	20250294	20250509	small nuclear ribonucleoprotein polypeptide E pseudogene 3
7328	ENSG00000225050	10062.0	0.2	processed_pseudogene	12	14568300	14568300	keratin 10 pseudogene 5
7341	ENSG00000234496	10063.2	0.2	processed_pseudogene	1	65558075	65558297	mitochondrial ribosomal protein S21 pseudogene 3
7343	ENSG00000224809	10065.9	0.2	processed_pseudogene	9	84933523	84933576	BEI domain containing 3 pseudogene 2
7344	ENSG00000224809	10065.9	0.2	processed_pseudogene	11	62881358	62881358	ribosomal protein L29 pseudogene 20
7379	ENSG00000248781	10119.9	0.2	processed_pseudogene	5	5551131	5552457	proteasome (prosome, multicatalytic) 26S subunit, ATPase, 1 pseudogene 4
7408	ENSG00000238805	10149.8	0.2	processed_pseudogene	3	4475083	4475278	suppressor of cytokine signaling 5 pseudogene 3
7409	ENSG00000238805	10150.2	0.2	processed_pseudogene	3	7489346	7489346	TVP28 pseudogene 2
7416	ENSG00000237007	10155.2	0.2	processed_pseudogene	2	32047690	32048505	keratin 18 pseudogene 52
7417	ENSG00000239539	10155.5	0.2	processed_pseudogene	10	1977830	1977830	high mobility group nucleosome binding domain 1 pseudogene 20
7420	ENSG00000239539	10171.4	0.2	processed_pseudogene	14	4401709	4401709	keratin 8 pseudogene 2
7440	ENSG00000232968	10214	0.2	processed_pseudogene	1	24759078	24759164	hydroxysteroid (11-beta) dehydrogenase 7 pseudogene 1
7451	ENSG00000177281	10195.5	0.2	processed_pseudogene	2	21562441	21562788	endothelial cell adhesion molecule 1 pseudogene 3
7460	ENSG00000224209	10204.0	0.2	processed_pseudogene	22	1763436	1763463	Charcot-Leyden crystal protein pseudogene 1
7465	ENSG00000215191	10205.1	0.2	processed_pseudogene	12	54588411	54588411	phosphotyrosine kinase family member 4 pseudogene 1
7485	ENSG00000234835	10228.1	0.2	processed_pseudogene	13	3581207	3581207	prohibitin pseudogene 13
7487	ENSG00000218347	10228.3	0.2	processed_pseudogene	6	2740805	2740918	heterogeneous nuclear ribonucleoprotein A1 pseudogene 1
7488	ENSG00000229000	10229.0	0.2	processed_pseudogene	15	4028400	4028400	keratin 8 pseudogene 24
7512	ENSG00000236794	10253.3	0.2	processed_pseudogene	22	2325205	2325205	breakpoint cluster region pseudogene 8
7516	ENSG00000239599	10253.3	0.2	processed_pseudogene	14	9690034	9690034	phosphatidylinositol binding protein 1 pseudogene 1
7518	ENSG00000225388	10256.1	0.2	processed_pseudogene	6	1591597	1591597	SE1 pseudogene 15
7534	ENSG00000224129	10278.2	0.2	processed_pseudogene	1	2884585	2884641	developmental pluripotency associated 2 pseudogene 2
7536	ENSG00000237049	10279.1	0.2	processed_pseudogene	1	18817988	18818007	ribosomal protein L34 pseudogene 2
7554	ENSG00000204721	10287.1	0.2	processed_pseudogene	1	88338952	88338952	ribosomal protein S41 pseudogene 15
7563	ENSG00000214720	10331.1	0.2	processed_pseudogene	X	10671860	10672891	keratin 18 pseudogene 49
7604	ENSG00000232594	10345.6	0.2	processed_pseudogene	3	18122863	18122863	ribosomal protein L7a pseudogene 25
7608	ENSG00000224986	10351.1	0.2	processed_pseudogene	6	15911174	15911174	developmental pluripotency associated 2 pseudogene 3
7683	ENSG00000247811	10407.4	0.2	processed_pseudogene	5	70833479	70833783	high mobility group nucleosome binding domain 1 pseudogene 12
7689	ENSG00000229572	10411	0.2	processed_pseudogene	3	4235090	4235099	eukaryotic translation initiation factor 4B pseudogene 4
7691	ENSG00000212524	10415.3	0.2	processed_pseudogene	13	34452	34452	voltage-dependent anion channel 1 pseudogene 12
7696	ENSG00000206909	10418.3	0.2	processed_pseudogene	18	7783509	7783611	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 6 pseudogene 4
7705	ENSG00000206939	10424.5	0.2	processed_pseudogene	18	2040449	2040608	ubiquitin-conjugating enzyme E2C pseudogene 2
7729	ENSG00000175568	10457.7	0.2	processed_pseudogene	1	14890015	14890315	dogamine receptor DS2 pseudogene 2
7739	ENSG00000240724	10468.5	0.2	processed_pseudogene	8	10351588	10351635	ribosomal protein S12 pseudogene 15
7763	ENSG00000254485	10492.2	0.2	processed_pseudogene	11	2349614	23501976	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of p58 (receptor) pseudogene 4
7765	ENSG00000239533	10494	0.2	processed_pseudogene	8	8768916	8769221	reglin A2 pseudogene 1
7778	ENSG00000239533	10519.3	0.2	processed_pseudogene	10	478102	478102	N-terminal acetyltransferase pseudogene 3
7815	ENSG00000227613	10531.8	0.2	processed_pseudogene	1	22243175	22243175	glutathionyl-S-transferase (glutathione-hydroxylating) like 1 pseudogene 2
7842	ENSG00000229585	10554.3	0.2	processed_pseudogene	7	10728310	10728348	barrier to autophagosome formation 1 pseudogene 5
7847	ENSG00000230297	10555.1	0.2	processed_pseudogene	2	24344	24344	FC2 pseudogene 2
7904	ENSG00000232223	10616.4	0.2	processed_pseudogene	1	16978503	16978620	catopon 2 pseudogene 10
7921	ENSG00000233988	10628.8	0.2	processed_pseudogene	9	14040715	14041860	ribosomal protein L3 pseudogene 11
7944	ENSG00000233988	10630.5	0.2	processed_pseudogene	11	199810	199810	heat shock 70kDa protein B pseudogene 18
7954	ENSG00000224862	10666.7	0.2	processed_pseudogene	9	13832920	13832400	suppressor of cytokine signaling 5 pseudogene 2
7981	ENSG00000232925	10679.2	0.2	processed_pseudogene	20	57688279	57688896	mitochondrial ribosomal protein S16 pseudogene 2
8022	ENSG00000239589	10679.3	0.2	processed_pseudogene	6	1146709	11467312	DnaJ (Hsp40) homolog, subfamily A, member 1 pseudogene 4
8041	ENSG00000236665	10740.1	0.2	processed_pseudogene	X	7381078	7381078	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of p58 (receptor) pseudogene 1
8059	ENSG00000225709	10759.8	0.2	processed_pseudogene	X	13456688	13457269	diary rodlet coat-coil, rodletin pseudogene 1
8176	ENSG00000225709	10800.5	0.2	processed_pseudogene	12	34354124	34354124	heat shock 70kDa protein 1 (chaperone) pseudogene 14
8201	ENSG00000250556	10883.8	0.2	processed_pseudogene	4	6885209	6885209	ST3 beta-galactosidase alpha-2,3-sialyltransferase 1 pseudogene 1
8227	ENSG00000244551	10898.6	0.2	processed_pseudogene	7	96744227	96744473	high mobility group box 3 pseudogene 2
8246	ENSG00000214896	10907.1	0.2	processed_pseudogene	7	98871153	98871153	family with sequence similarity 17, member A1 pseudogene 1
8268	ENSG00000228815	10940.4	0.2	processed_pseudogene	7	38148834	38148834	MAP3/microtubule affinity-regulating kinase 2 pseudogene 13
8325	ENSG00000226862	10959.2	0.2	processed_pseudogene	10	38741915	38742426	capicua transcriptional repressor pseudogene 9
8384	ENSG00000219491	11030.1	0.2	processed_pseudogene	11	149717452	149718772	heterogeneous nuclear ribonucleoprotein A1 pseudogene 24
8388	ENSG00000251389	11042.8	0.2	processed_pseudogene	5	98704480	98706125	YTH domain family, member 1 pseudogene 1
8639	ENSG00000225043	11245.6	0.2	processed_pseudogene	21	47484487	47484948	ribosomal protein L18a pseudogene 2
8716	ENSG00000229259	11302.1	0.2	processed_pseudogene	7	7262248	7262248	protein phosphatase 1, regulator (inhibitor) subunit 1A pseudogene 1
8731	ENSG00000208736	11317.2	0.2	processed_pseudogene	19	45631827	45632288	eukaryotic translation initiation factor SA pseudogene 3
1296	ENSG00000174400	2185	0.2	protein_coding	12	118981151	118981151	chemokine-like receptor 1
1475	ENSG00000196981	2122.7	0.2	protein_coding	7	11871424	11871424	chemokine (C-X-C motif) receptor 5
1675	ENSG00000140592	2672.7	0.2	protein_coding	6	66621176	66621176	CKLF-like MARVEL transmembrane domain containing 5
1743	ENSG00000190701	2763	0.2	protein_coding	19	18642261	18642487	FRS3, transmembrane protein 3, 3RDc
1830	ENSG00000155351	2933	0.2	protein_coding	13	22431153	22431153	CKLF-like MARVEL transmembrane domain containing 7
1933	ENSG00000138161	3057	0.2	protein_coding	13	49036396	49107369	regulator of chondrogenesis (RCC1) and BTB (POZ) domain containing protein 2
1973	ENSG00000189098	3121	0.2	protein_coding	19	54544079	54547207	V-set and transmembrane domain containing 1
1990	ENSG00000163443	3148.4	0.2	protein_coding	22	295217107	295217107	NUAK family, SNF-like kinase, 2
2142	ENSG00000243811	3350.4	0.2	protein_coding	22	3941036	39429281	

3714	ENSG00000173120	KRM2A	58255	0.2	protein_coding	11	96886740	67025588	lysine (K)-specific demethylase 2A
3741	ENSG00000107171	PRKAB2	60258	0.2	protein_coding	1	14520393	14112574	PR domain containing 2, with ZNF domain
3765	ENSG00000112262	MDL23	5999	0.2	protein_coding	6	131895106	131849369	mediator complex subunit 23
3773	ENSG00000118452	PHF3	5923	0.2	protein_coding	6	64345725	64348229	PHD finger protein 3
3836	ENSG00000186007	STAC1	60261	0.2	protein_coding	3	136005707	136417220	stromal antigen 1
3866	ENSG00000106243	NFRP83	62635	0.2	protein_coding	12	26897978	51142450	DMP2 disco-interacting protein 2 homolog B (Drosophila)
3870	ENSG00000152223	EPG5	61048	0.2	protein_coding	18	43427574	43447240	ectopic P-garulus autochagy protein 5 homolog (C. elegans)
3878	ENSG00000126599	CHFR	62036	0.2	protein_coding	12	133380793	133520499	checkpoint with forkhead and ring finger domains, E3 ubiquitin protein ligase
3947	ENSG00000185864	NFRP83	62635	0.2	protein_coding	12	26897978	51142450	nuclear pore complex interacting protein family, member 84
3980	ENSG00000197776	KLHLDC1	62521	0.2	protein_coding	14	50158823	50159870	kelch domain containing 1
4073	ENSG00000186595	PLEKHA3	63724	0.2	protein_coding	2	17842655	178481189	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 3
4077	ENSG00000102801	MYSM1	63744	0.2	protein_coding	1	89104111	89189704	Myo-like domain containing 1
4136	ENSG00000196247	ZNF107	64489	0.2	protein_coding	7	64128511	64117404	zinc finger protein 107
4212	ENSG00000176339	ASH1L	6548	0.2	protein_coding	1	15530569	155532098	ash1 (absent, small, or homeotic)-like (Drosophila)
4224	ENSG00000005683	C2K13	65574	0.2	protein_coding	1	36969636	40116033	cyclin-dependent kinase 13
4232	ENSG00000123607	TTFC21B	65729	0.2	protein_coding	2	186713985	166810353	tetratricopeptide repeat domain 21B
4260	ENSG00000198879	SFMB17	66174	0.2	protein_coding	10	7200586	7453450	Som-like with four rhd domains 2
4272	ENSG00000170248	PWWP2A	66238	0.2	protein_coding	5	15948868	159546430	PWWP domain containing 2A
4366	ENSG00000119979	FAM54A	67846	0.2	protein_coding	10	120863588	120887496	family with sequence similarity 45, member A
4419	ENSG00000145348	TBCK	6889	0.2	protein_coding	4	106962796	107242652	TBC1 domain containing kinase
4441	ENSG00000202180	A1TFDA	69374	0.2	protein_coding	15	25624202	25170117	A1Pase, class I, type 10A
4488	ENSG00000134744	ZCCHC11	69667	0.2	protein_coding	1	52873954	53019159	zinc finger, CCHC domain containing 11
4427	ENSG00000125779	PANK2	70173	0.2	protein_coding	20	3869486	3907605	panthothine kinase 2
5116	ENSG00000102124	TAS2R19	72953	0.2	protein_coding	12	11132108	11176216	taste receptor, type 2, member 19
5158	ENSG00000176715	AC-SF3	78408	0.2	protein_coding	16	89154783	89222554	acyl-CoA synthetase family member 3
5713	ENSG00000129626	FAM22B	84833	0.2	protein_coding	2	24293956	24392509	family with sequence similarity 225, member B
5927	ENSG00000104800	C1orf162	8596	0.2	protein_coding	14	54448430	52474238	chromosome 14 open reading frame 162
5968	ENSG00000184136	IL15	86419	0.2	protein_coding	4	142657752	142655140	interleukin 15
5989	ENSG00000124113	PVRIG	8667	0.2	protein_coding	7	9981584	9981913	poliovirus receptor related immunoglobulin domain containing
5990	ENSG00000169663	LOC10048697	87433	0.2	protein_coding	3	14888267	14888267	Uncharacterized protein
6305	ENSG00000177463	NRC2C	9107	0.2	protein_coding	3	14889091	15095107	nuclear receptor subfamily 2, group C, member 2
6404	ENSG00000175787	ZNF169	9197	0.2	protein_coding	9	87021593	87063736	nuclear receptor subfamily 1, member 169
6485	ENSG00000104848	KR22	9322	0.2	protein_coding	12	529312	529312	kinase domain 72
6678	ENSG00000105177	PBX4	94661	0.2	protein_coding	19	19672522	19729725	pre-B-cell leukemia homeobox 4
6860	ENSG00000180333	ZNF490	96334	0.2	protein_coding	19	12688775	12759012	zinc finger protein 490
6862	ENSG00000170528	IFAK21	96342	0.2	protein_coding	21	21186669	21186669	IGH domain containing-like 21
7124	ENSG00000202387	OR8B3	98833	0.2	protein_coding	6	89106840	89104667	chromosome 6 open reading frame 164
7129	ENSG00000122375	OPN4	98817	0.2	protein_coding	10	88414314	88426605	opsin 4
7130	ENSG00000126529	TMR5B12	98837	0.2	protein_coding	3	17158165	17158165	transmembrane protein 212
7135	ENSG00000109526	ACTR3C	9890	0.2	protein_coding	7	149841005	150020814	ARP3 actin-related protein 3 homolog C (yeast)
7156	ENSG00000129786	LOC10048697	99033	0.2	protein_coding	7	90884824	89828431	Uncharacterized protein
7207	ENSG00000102046	LOC10048697	99514	0.2	protein_coding	4	4993120	4993120	keratin associated protein 10.2
7212	ENSG00000255798	KRTAP10-2	99541	0.2	protein_coding	11	10252041	102554844	Uncharacterized protein
7214	ENSG00000104818	CG81	99584	0.2	protein_coding	19	49535189	49538495	chronic granulomatous beta polypeptide 2
7263	ENSG00000106163	KRT74	10067	0.2	protein_coding	14	21108956	21109860	cytokeratin receptor, family 5, subfamily 5, member 1
7278	ENSG00000102583	OR8A4	10027	0.2	protein_coding	7	141618617	141619759	olfactory receptor, family 5, subfamily A, member 4
7326	ENSG00000204614	TRPM9	10065	0.2	protein_coding	6	30110985	30110762	transient receptor potential channel 9
7329	ENSG00000102189	OR2A2	10030	0.2	protein_coding	11	143804607	143807617	olfactory receptor, family 2, subfamily A, member 2
7332	ENSG00000176984	LOC10048697	10075	0.2	protein_coding	11	12003665	120042387	Uncharacterized protein
7374	ENSG00000176984	CTSL62	10117	0.2	protein_coding	12	103611369	103689749	chromosome 12 open reading frame 42
7383	ENSG00000101074	RHDML	10124	0.2	protein_coding	12	42962626	429178875	RHD domain containing-like
7388	ENSG00000188152	NUMTAG	10126	0.2	protein_coding	9	99690562	99702535	NUM family member 2G
7391	ENSG00000102026	KRT36	10126	0.2	protein_coding	2	240684558	240724577	Uncharacterized protein
7434	ENSG00000105337	KRT36	10126	0.2	protein_coding	17	3964226	3964198	keratin 36
7467	ENSG00000110025	SNK15	10238	0.2	protein_coding	11	64734889	64838044	sorting nexin 15
7468	ENSG00000182070	SNK21	10239	0.2	protein_coding	11	5172259	5201762	olfactory receptor, family 52, subfamily A, member 1
7501	ENSG00000102765	OR2A14	10237	0.2	protein_coding	7	154882673	154882673	Uncharacterized protein
7504	ENSG00000102362	C7XN2	10236	0.2	protein_coding	15	48483736	48485983	corixin 2
7517	ENSG00000205148	RGS21	10236	0.2	protein_coding	1	192286122	19233815	regulator of G-protein signaling 21
7521	ENSG0000011561	OR2A14	10237	0.2	protein_coding	7	154882673	154882673	olfactory receptor, family 2, subfamily A1, member 4
7548	ENSG00000258386	OR2A14	10239	0.2	protein_coding	14	32476108	32487891	Uncharacterized protein
7554	ENSG00000197448	CYP2P1	10235	0.2	protein_coding	19	41620337	41632471	cytochrome P450, family 2, subfamily F, polypeptide 1
7555	ENSG0000010656	OR2A14	10239	0.2	protein_coding	11	456016	456016	Uncharacterized protein
7564	ENSG00000270011	ZNF177	10338	0.2	protein_coding	19	9434850	94343293	ZNF559-ZNF177 readthrough
7604	ENSG00000189490	KRTAP7-5	10345	0.2	protein_coding	11	1851033	1852100	keratin associated protein 5-5
7622	ENSG00000102160	OR2A14	10239	0.2	protein_coding	11	10521162	10522196	Uncharacterized protein
7663	ENSG00000202268	OR5212	10361	0.2	protein_coding	11	4608021	4609135	olfactory receptor, family 52, subfamily 1, member 2
7668	ENSG00000125831	CS1T1	10399	0.2	protein_coding	20	23431040	23433440	cystatin 11
7700	ENSG00000102385	TARNA1	10421	0.2	protein_coding	19	545219	545219	T cell-interacting, adhesion receptor on myeloid cells 1
7702	ENSG00000070748	CHAT	10421	0.2	protein_coding	10	50811741	50801925	choline O-acetyltransferase
7722	ENSG00000289948	C22D2B	10445	0.2	protein_coding	10	97079725	97447385	chromosome 22 open reading frame 27B
7758	ENSG00000105028	AC3SM4	10452	0.2	protein_coding	12	74562	74562	acyl-CoA synthetase medium chain family member 4
7770	ENSG00000117360	KRT38	10452	0.2	protein_coding	17	3950298	39597173	keratin 38
7777	ENSG00000192992	DMP1	10561	0.2	protein_coding	4	88571459	88585513	dentin matrix acidic phosphoprotein 1
7779	ENSG000001705	HEATR4	10561	0.2	protein_coding	12	788253	788253	HEAT repeat containing 4
7785	ENSG00000128885	PRDM7	10575	0.2	protein_coding	16	90122974	90158480	PR domain containing 7
7794	ENSG00000205687	ARSH	10515	0.2	protein_coding	X	2924854	2951812	arylsulfatase family, member H
7853	ENSG00000105681	GDFR	10515	0.2	protein_coding	20	3634046	3634046	GDFR family receptor alpha 4
7850	ENSG00000171484	OR1B1	10569	0.2	protein_coding	9	12539058	125391621	olfactory receptor, family 1, subfamily B, member 1
7856	ENSG00000101812	H2BFM	10572	0.2	protein_coding	9	10328269	103297251	H2B histone family 1, member B
7857	ENSG0000025318	CHM7	10572	0.2	protein_coding	8	8447919	8447919	chromosome 8 open reading frame 87
7862	ENSG00000232268	OR5211	10594	0.2	protein_coding	11	4615007	4616243	olfactory receptor, family 52, subfamily 1, member 1
7940	ENSG00000156920	GPR112	10657	0.2	protein_coding	X	13583122	135819215	G-protein-coupled receptor 112
7961	ENSG00000186901	WPC2B	10675	0.2	protein_coding	20	44179762	44207365	WAP four-disulfide core domain B
8079	ENSG00000204424	MYH4	10700	0.2	protein_coding	17	10346601	10347276	myosin, heavy chain 4, skeletal muscle
8091	ENSG00000132259	CNGA4	10771	0.2	protein_coding	11	6255995	6265699	cyclic nucleotide gated channel alpha 4
8103	ENSG00000176683	ITGAP3	10844	0.2	protein_coding	11	796081	7981141	integrin receptor, family 10, subfamily A, member 3
8105	ENSG0000011501	OR5A1	10840	0.2	protein_coding	11	126315391	126316493	olfactory receptor, family 1, subfamily N, member 2
8187	ENSG00000187871	GFRAL	10877	0.2	protein_coding	6	55152267	55287291	GDMF family receptor alpha like
8224	ENSG00000197593	PKD2L1	10880	0.2	protein_coding	10	102667903	102682423	polycystic kidney disease 2-like
8431	ENSG00000187826	LOC10048697	11070	0.2	protein_coding	2	21462049	21462049	Leucine-rich repeat-containing protein LOC400891
8446	ENSG00000168587	FAM194B	11119	0.2	protein_coding	13	46189857	46189874	family with sequence similarity 194, member B
8517	ENSG00000198803	PKD2L1	11154	0.2	protein_coding	7	47814250	47988088	polycystic kidney disease 2-like
8540	ENSG00000104497	LOC10048697	11178	0.2	protein_coding	6	38323785	38323785	ribulose center family 22, member 1
8628	ENSG00000204022	LIP1	11178	0.2	protein_coding	10	90348510	90366733	lipase, family 1
8629	ENSG00000202152	OR5212	10657	0.2	rRNA	10	46351795	46351870	RNA, 5S ribosomal pseudogene 310
8416	ENSG00000206236	OR5212	10657	0.2	sense intronic	10	46351795	46351870</	

7009	ENSG00000197421	LOC100132705	9783.4	0.2	transcribed_unprocessed_pseudogene	22	1671178	1883012	gamma-glutamyltransferase 3 pseudogene
7574	ENSG00000243309		10320.9	0.2	transcribed_unprocessed_pseudogene	21	14410481	14439354	ankyrin repeat domain 30B pseudogene 2
7633	ENSG00000204529		10367.1	0.2	transcribed_unprocessed_pseudogene	11	78405087	76418685	guanylate cyclase 2E, pseudogene
7760	ENSG00000204458		10491.4	0.2	transcribed_unprocessed_pseudogene	7	63560683	63611099	glucosylated beta pseudogene 6
7883	ENSG00000206781		10595.6	0.2	transcribed_unprocessed_pseudogene	16	33709886	33739634	Rho GTPase activating protein 23 pseudogene 1
8083	ENSG00000230528		10761.5	0.2	transcribed_unprocessed_pseudogene	17	20339650	20350567	nitric oxide synthase 2 pseudogene 3
8369	ENSG00000239372	DDX11L1	11023.9	0.2	transcribed_unprocessed_pseudogene	1	11869	14412	DEADH (Asp-Glu-Ala-Asp/His) box helicase 11 like 1
6498	ENSG00000234911		9297.8	0.2	unitary_pseudogene	14	64812889	64841384	testis expressed 21, pseudogene
7353	ENSG00000233121		10097.2	0.2	unitary_pseudogene	3	13968310	13969275	vonersoral 1 receptor 20 pseudogene
7539	ENSG00000207676		10280.5	0.2	unitary_pseudogene	17	76244574	76250497	threonine aldolase 1, pseudogene
7547	ENSG00000231146		10200.6	0.2	unitary_pseudogene	20	31964675	31917776	BPI fold containing family 6, member 5, pseudogene
7884	ENSG00000233228		10604.6	0.2	unitary_pseudogene	1	92531863	92533396	lysophosphatidylcholine acyltransferase 2b, pseudogene
3825	ENSG00000225864		6008.6	0.2	unprocessed_pseudogene	6	29690758	29691748	HLA complex group 4 pseudogene 11
6862	ENSG00000221233		9504.6	0.2	unprocessed_pseudogene	16	32480767	32509571	ATP-binding cassette, sub-family D (ABC), member 1, pseudogene 3
6931	ENSG000002043674		9669.9	0.2	unprocessed_pseudogene	3	75396984	75397938	olfactory receptor, family 7, subfamily E, member 66 pseudogene
6963	ENSG00000227243		9729.7	0.2	unprocessed_pseudogene	1	16241539	162415678	SLAM family member 6 pseudogene 1
6967	ENSG00000201513		9738.4	0.2	unprocessed_pseudogene	10	38684549	38687140	ATP-binding cassette, sub-family D (ABC), member 1, pseudogene 2
7132	ENSG00000227684		8889.5	0.2	unprocessed_pseudogene	1	17078728	17077459	ciliary rootlet coiled-coil, noctilin pseudogene 4
7144	ENSG00000225962		8897.3	0.2	unprocessed_pseudogene	1	15525435	15527188	death associated protein 3 pseudogene 1
7177	ENSG00000204922		9622.9	0.2	unprocessed_pseudogene	4	8961354	8961707	unc-63 homolog B6 pseudogene (C. elegans)
7206	ENSG000002051087		9649.9	0.2	unprocessed_pseudogene	4	9705374	9712436	asparagine-linked glycosylation 1-like 3, pseudogene
7209	ENSG000002048898		9653.4	0.2	unprocessed_pseudogene	8	12036206	12040228	asparagine-linked glycosylation 1-like 11, pseudogene
7243	ENSG00000204866		9662.2	0.2	unprocessed_pseudogene	2	7128057	71281133	olfactory receptor, family 7, subfamily E, member 62 pseudogene
7310	ENSG0000020425		10053.7	0.2	unprocessed_pseudogene	10	43221305	43232607	Ras suppressor protein 1 pseudogene 1
7325	ENSG00000205098		10064.7	0.2	unprocessed_pseudogene	22	24655897	24659732	breakpoint cluster region pseudogene 1
7348	ENSG0000020473		10090.1	0.2	unprocessed_pseudogene	17	39634435	39610307	keratin 63, pseudogene
7406	ENSG00000204289		10148.4	0.2	unprocessed_pseudogene	10	91122051	91123244	interferon-induced protein with tetratricopeptide repeats 6, pseudogene
7448	ENSG00000202949		10188.7	0.2	unprocessed_pseudogene	2	23444085	23449337	UDP-glucuronosyltransferase 1 family, polypeptide A12 pseudogene
7470	ENSG00000204020		10205.1	0.2	unprocessed_pseudogene	1	111895897	11190331	chitinase, acidic pseudogene 3
7513	ENSG000002048796		10251	0.2	unprocessed_pseudogene	2	131958715	131860514	mediator complex subunit 15 pseudogene 8
7528	ENSG0000020181077		10264.5	0.2	unprocessed_pseudogene	11	5786326	5787279	olfactory receptor, family 5b, subfamily B, member 2 pseudogene
7620	ENSG00000205620		10303.2	0.2	unprocessed_pseudogene	7	6963435	6970488	asparagine-linked glycosylation 1-like 5, pseudogene
7628	ENSG000002169819		10363.2	0.2	unprocessed_pseudogene	6	3177278	3179998	tubulin, beta 2B class IIb pseudogene 1
7630	ENSG000002058168		10365	0.2	unprocessed_pseudogene	14	6086562	6086761	gonadotropin-releasing hormone (type 2) receptor 2 pseudogene 1
7647	ENSG000002048760		10382.3	0.2	unprocessed_pseudogene	3	4295168	44010362	deresolin pseudogene 1
7648	ENSG00000203942		10382.8	0.2	unprocessed_pseudogene	3	11951148	11952466	Fanconi anemia, complementation group D2 pseudogene 2
7669	ENSG000002025438		10399.6	0.2	unprocessed_pseudogene	17	39562764	39568027	keratin 41 pseudogene
7768	ENSG00000206133		10454.9	0.2	unprocessed_pseudogene	16	29640106	29647469	carbonic anhydrase VA pseudogene 1
7784	ENSG00000218434		10513.1	0.2	unprocessed_pseudogene	20	81342054	81344623	mannose-binding lectin family, member 3, pseudogene
7810	ENSG000002187481		10531.2	0.2	unprocessed_pseudogene	1	120098444	120100246	hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 1
7810	ENSG000002036650		10552.7	0.2	unprocessed_pseudogene	6	56426051	56426069	glucuronidase, beta pseudogene 4
7888	ENSG000002054948		10599.6	0.2	unprocessed_pseudogene	8	11777409	11778118	olfactory receptor, family 7, subfamily E, member 158 pseudogene
7892	ENSG00000204775		10602.3	0.2	unprocessed_pseudogene	X	74805341	74805341	v-rat murine sarcoma viral oncogene homolog B pseudogene 1
7903	ENSG00000204969		10621	0.2	unprocessed_pseudogene	2	91963970	91969195	gamma-glutamyltransferase 8 pseudogene
7933	ENSG00000217315		10646.7	0.2	unprocessed_pseudogene	6	28001725	28020533	olfactory receptor, family 2, subfamily M, member 2 pseudogene
7943	ENSG000002027164		10658.9	0.2	unprocessed_pseudogene	13	19985371	19990328	solute carrier family 25 (mitochondrial carrier, ornithine transporter) member 15 pseudogene 2
7969	ENSG000002048916		10681.1	0.2	unprocessed_pseudogene	3	129041899	129044399	nucleoporin 210kDa pseudogene 3
7974	ENSG000002052661		10685.1	0.2	unprocessed_pseudogene	12	92726	92439	DEADH (Asp-Glu-Ala-Asp/His) box helicase 11 like 8
7986	ENSG000002051271		10691.4	0.2	unprocessed_pseudogene	4	3537174	3542438	asparagine-linked glycosylation 1-like 7, pseudogene
8006	ENSG00000203207		10713.6	0.2	unprocessed_pseudogene	9	2142023	21420012	interferon, omega 1 pseudogene 2
8099	ENSG00000202988		10734.4	0.2	unprocessed_pseudogene	22	43180468	43181198	protein A2 pseudogene 4
8170	ENSG000002035863		10859.5	0.2	unprocessed_pseudogene	6	29875560	29876422	mitochondrial coiled-coil domain 1 pseudogene 1
8171	ENSG00000203207		10861.3	0.2	unprocessed_pseudogene	10	13524898	13524422	olfactory receptor, family 6, subfamily L, member 2 pseudogene
8176	ENSG000002021141		10912.4	0.2	unprocessed_pseudogene	2	13073713	13076698	Rho GTPase activating protein 42 pseudogene 2
8334	ENSG000002025801		10984.3	0.2	unprocessed_pseudogene	9	8317947	8318037	MT-OR2 pseudogene 5
8379	ENSG000002057763		11035.4	0.2	unprocessed_pseudogene	12	48749575	48750397	olfactory receptor, family 6, subfamily BK, member 1 pseudogene
8436	ENSG000002026520		11075.1	0.2	unprocessed_pseudogene	16	41646627	41645213	cytochrome P450, family 2, subfamily T, polypeptide 3, pseudogene
1502	ENSG000002031412		2455.2	0.2					
2185	ENSG000002015860	PDZK1P1	3416.1	0.2		1	14592438	14594219	PDZ domain containing 1 pseudogene 1
2405	ENSG000002020485		3678.4	0.2		3	15278607	15279600	V RNA
2487	ENSG000002057524		3871.4	0.2					
2727	ENSG000002044998		4234.5	0.2					
2820	ENSG00000205168		4382.7	0.2		1	145209145	145319798	Uncharacterized protein
2943	ENSG000002059291		4574.4	0.2		Y	15418467	15429181	Uncharacterized protein
2966	ENSG000002038557		4683	0.2					
3001	ENSG00000202068		4725.3	0.2					
3131	ENSG000002029919		4922.2	0.2					
3234	ENSG000002068816		5075.2	0.2					
3300	ENSG00000202027		5317.3	0.2					
3484	ENSG00000216086		5485	0.2					
3485	ENSG000002067010		5489.8	0.2					
3489	ENSG00000203368		5587.7	0.2					
3535	ENSG000002079956		5590	0.2					
3543	ENSG000002058546		5591.5	0.2					
3554	ENSG000002020593		5573.7	0.2					
3601	ENSG000002056714		5646.1	0.2					
3693	ENSG000002071430		5791.2	0.2					
3729	ENSG000002072625		5811.6	0.2					
3790	ENSG000002029653		5963.8	0.2					
3914	ENSG000002057497		6141.1	0.2					
3952	ENSG000002054566		6212.8	0.2					
4037	ENSG000002030166		6310.5	0.2					
4107	ENSG000002038450		6417.5	0.2		8	71516767	71516872	Small nuclear RNA U13
4118	ENSG000002047105		6429	0.2					
4197	ENSG000002038329		6530	0.2		16	18881488	18881591	Small nuclear RNA U13
4217	ENSG000002044676		6552.2	0.2					
4262	ENSG000002052986		6619.4	0.2					
4386	ENSG00000205400		6666.6	0.2					
4557	ENSG000002028834		7058.3	0.2					
4580	ENSG000002053393		7084.6	0.2					
4611	ENSG000002045484		7113.7	0.2					
4688	ENSG000002033889		7231.6	0.2		X	56100757	56102014	Uncharacterized protein
4738	ENSG000002197502		7285.7	0.2		14	50300810	50311852	Uncharacterized protein
4744	ENSG000002025693		7291.5	0.2					
4809	ENSG000002025611		7387.9	0.2					
4835	ENSG000002071247		7428.9	0.2					
4892	ENSG00000206575		7461.1	0.2					
4971	ENSG000002055989		7617.1	0.2					
5043	ENSG000002053180		7707.1	0.2					
5179	ENSG000002063985		7868.8	0.2					
5206	ENSG00000204751		7902.3	0.2					
5224	ENSG000002025163		7921.5	0.2					
5303	ENSG00000203738		7970.8	0.2					
5300	ENSG000002053687		8007	0.2					
5319	ENSG000002023491		8029	0.2					
5324	ENSG00000204095		8038.4	0.2					
5841	ENSG000002024891		8398.6	0.2					
5866	ENSG000002020506		8412.3	0.2					
5703	ENSG000002029653		8473.5	0.2		14	50291993	50293258	HCC1768899, PR0210; Uncharacterized protein

6909	ENSG00000270403	9676.3	0.2						
6914	ENSG00000251767	9683.5	0.2						
6916	ENSG00000271609	9684.8	0.2						
6929	ENSG00000226196	9696.4	0.2						
6930	ENSG00000211322	9697	0.2						
6937	ENSG00000255333	9705	0.2						
6940	ENSG00000255575	9706	0.2						
6951	ENSG00000252585	9727.4	0.2						
6960	ENSG00000252542	9738.3	0.2						
6962	ENSG00000265212	9740.3	0.2						
6967	ENSG00000260459	9746.2	0.2						
6968	ENSG00000239898	9747.6	0.2	9	86067188	86067290			Small nuclear RNA U13
6969	ENSG00000256431	9749	0.2						
6977	ENSG00000229826	9756.5	0.2						
6986	ENSG00000252370	9762.3	0.2						
6989	ENSG00000213167	9762.6	0.2						
6993	ENSG00000267145	9765.3	0.2						
6995	ENSG00000218113	9769.2	0.2						
6996	ENSG00000230395	9766.5	0.2						
7007	ENSG00000211767	9782.4	0.2						
7008	ENSG00000252014	9783.5	0.2						
7014	ENSG00000214888	9787.5	0.2						
7015	ENSG00000254945	9787.7	0.2						
7018	ENSG00000229927	9781.4	0.2						
7019	ENSG00000228064	9783.5	0.2						
7026	ENSG00000196472	9799.5	0.2						
7028	ENSG00000212293	9802.9	0.2						
7037	ENSG00000242609	9808.6	0.2						
7067	ENSG00000259261	9830	0.2						
7075	ENSG00000216823	9839.4	0.2						
7080	ENSG00000228216	9846.2	0.2						
7084	ENSG00000271057	9847.3	0.2						
7093	ENSG00000223587	9852.7	0.2						
7113	ENSG00000249742	9875.8	0.2						
7117	ENSG00000251600	9875.5	0.2						
7119	ENSG00000218713	9881	0.2						
7121	ENSG00000231217	9882.7	0.2						
7123	ENSG00000230856	9883.8	0.2						
7126	ENSG00000230381	9884.5	0.2						
7133	ENSG00000212951	9889.8	0.2						
7142	ENSG00000273444	9895	0.2						
7143	ENSG00000217959	9896.7	0.2						
7150	ENSG00000242034	9901.4	0.2						
7155	ENSG00000281118	9903.1	0.2						
7158	ENSG00000240267	9904.4	0.2						
7159	ENSG00000214525	9906.9	0.2						
7169	ENSG00000217396	9914.9	0.2						
7173	ENSG00000215307	9920	0.2	6	57841107	57842368			retinoblastoma binding protein 4 pseudogene 3
7176	ENSG00000229654	9922.7	0.2						
7178	ENSG00000228935	9923	0.2						
7186	ENSG00000239540	9934	0.2						
7188	ENSG00000243378	9934.2	0.2						
7200	ENSG00000233214	9941.6	0.2						
7201	ENSG000002081440	9942.9	0.2						
7202	ENSG00000231455	9943.8	0.2						
7208	ENSG00000228248	9952.3	0.2						
7218	ENSG00000243261	9952.7	0.2	1	147574428	147634888			neuroblastoma breakpoint family, member 24
7222	ENSG00000202638	9958.1	0.2						
7230	ENSG00000244559	9975.8	0.2						
7236	ENSG00000240459	9980.5	0.2						
7237	ENSG00000225455	9981.6	0.2						
7242	ENSG00000260784	9985.3	0.2						
7254	ENSG00000232978	10000.3	0.2						
7255	ENSG00000254545	10001.5	0.2						
7266	ENSG00000218029	10012.8	0.2						
7269	ENSG00000209743	10017.4	0.2						
7270	ENSG00000211644	10018.1	0.2						
7274	ENSG00000249995	10022.4	0.2						
7276	ENSG00000231483	10024.2	0.2						
7277	ENSG00000256532	10026.5	0.2						
7279	ENSG00000208144	10027.3	0.2						
7290	ENSG00000258868	10034.8	0.2						
7298	ENSG00000241228	10042.4	0.2						
7300	ENSG00000231236	10045.6	0.2						
7301	ENSG00000204393	10047	0.2						
7303	ENSG00000204713	10048.7	0.2						
7305	ENSG00000257506	10049.9	0.2						
7309	ENSG00000260895	10052	0.2						
7313	ENSG00000204918	10055	0.2						
7314	ENSG00000234413	10055.1	0.2						
7315	ENSG00000243382	10055.4	0.2	9	66058843	66060121			ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1 pseudogene 10
7318	ENSG00000232158	10060	0.2	9	45375916	45377188			myosin VB pseudogene 1
7321	ENSG00000254914	10060.7	0.2						
7327	ENSG00000270302	10065.8	0.2						
7327	ENSG00000232639	10079.9	0.2						
7351	ENSG00000270622	10096.5	0.2						
7352	ENSG00000249189	10096.5	0.2						
7354	ENSG00000208785	10099.7	0.2						
7355	ENSG00000204294	10100.6	0.2						
7365	ENSG00000229156	10111.2	0.2						
7369	ENSG00000263969	10114.6	0.2						
7375	ENSG00000218988	10118.6	0.2						
7381	ENSG00000246300	10120.8	0.2						
7382	ENSG00000232790	10122.3	0.2						
7384	ENSG00000224671	10124.8	0.2						
7387	ENSG00000266114	10125.9	0.2						
7384	ENSG00000238532	10130.5	0.2						
7386	ENSG00000232477	10130.7	0.2						
7396	ENSG00000225656	10131.2	0.2						
7397	ENSG00000238188	10131.6	0.2						
7399	ENSG00000225960	10136.5	0.2						
7407	ENSG00000182574	10148	0.2						
7412	ENSG00000224378	10152.6	0.2						
7413	ENSG00000254447	10152.8	0.2						
7415	ENSG00000260120	10155	0.2						
7419	ENSG00000231995	10157.6	0.2						
7423	ENSG00000231163	10164.2	0.2						
7431	ENSG00000235126	10172.3	0.2						
7434	ENSG00000233355	10174.1	0.2						
7438	ENSG00000206428	10176.7	0.2						
7442	ENSG00000228537	10182.6	0.2	18	20481487	20481589			Small nuclear RNA U13
7445	ENSG00000254883	10185.6	0.2						
7449	ENSG00000206522	10191.4	0.2						
7455	ENSG00000259026	10198.6	0.2						
7456	ENSG00000260628	10199.5	0.2						
7457	ENSG00000225628	10202	0.2						
7458	ENSG00000254561	10202.8	0.2						
7459	ENSG00000236247	10204	0.2						
7463	ENSG00000232328	10206.9	0.2						
7464	ENSG00000229543	10206.9	0.2						
7473	ENSG00000237845	10217	0.2						
7479	ENSG00000226893	10223	0.2	1	142796587	14279739			asparagine synthetase pseudogene 5
7482	ENSG00000237773	10224.8	0.2						
7483	ENSG00000241475	10225.2	0.2						
7487	ENSG00000205942	10228.3	0.2						
7488	ENSG00000259341	10228.7	0.2						
7489	ENSG00000230783	10228.7	0.2						
7489	ENSG00000206490	10229	0.2						
7491	ENSG00000281725	10229.1	0.2						
7492	ENSG00000256005	10229.3	0.2						
7499	ENSG00000191099	10230.2	0.2						
7500	ENSG00000204975	10233.9	0.2	1	146310555	146349531			HYDN2, axonemal central pair apparatus protein (pseudogene)
7502	ENSG00000250516	10236.3	0.2						
7506	ENSG000002080158	10242.3	0.2						
7509	ENSG000002081432	10246.8	0.2						
7514	ENSG00000238411	10252.6	0.2						
7515	ENSG00000180125	10252.6	0.2						
7524	ENSG00000206476	10251.8	0.2	19	36680096	36680380			RNA 7SL, cytoplasmic 287, pseudogene
7524	ENSG00000258536	10262	0.2						
7531	ENSG00000205994	10269	0.2						
7532	ENSG00000202921	10271.5	0.2						
7535	ENSG00000237574	10279	0.2						
7541	ENSG00000268985	10285.2	0.2						
7542	ENSG000002081937	10285.6	0.2						
7543	ENSG00000265860	10286	0.2	2	101710031	101710285			RNA 7SL, cytoplasmic 548, pseudogene
7544	ENSG00000257771	10286.7	0.2						
7545	ENSG00000252366	10286.8	0.2						
7550	ENSG00000242618	10293.9	0.2						
7553	ENSG00000272485	10294.8	0.2						
7558	ENSG00000252697	10301.5	0.2						
7559	ENSG00000181132	10302.1	0.2						

7561	ENSG00000217805	10303.6	0.2						
7565	ENSG00000202577	10309.3	0.2						
7566	ENSG00000205913	10311.4	0.2						
7567	ENSG00000213337	10314.1	0.2						
7569	ENSG00000230504	10315.6	0.2						
7576	ENSG00000205161	10323.4	0.2						
7579	ENSG00000228734	10325.2	0.2						
7580	ENSG00000245584	10327.5	0.2						
7581	ENSG00000205555	10328.8	0.2						
7582	ENSG00000272236	10329.1	0.2						
7586	ENSG00000195882	10332.4	0.2						
7589	ENSG00000202922	10336.1	0.2						
7590	ENSG00000287341	10336.3	0.2						
7592	ENSG00000225924	10336.9	0.2						
7593	ENSG00000202514	10337.3	0.2	12	147073	149350		family with sequence similarity 138, member D	
7597	ENSG00000205479	10341.7	0.2						
7601	ENSG00000229409	10344	0.2						
7611	ENSG00000205146	10349.4	0.2						
7613	ENSG00000233942	10349.5	0.2						
7615	ENSG00000215512	10351.4	0.2						
7621	ENSG00000172000	10354.5	0.2						
7623	ENSG00000205854	10357.9	0.2						
7625	ENSG00000249857	10359.1	0.2						
7627	ENSG00000205533	10360.5	0.2						
7629	ENSG00000284641	10364.2	0.2						
7631	ENSG00000258637	10365.7	0.2						
7640	ENSG00000205854	10375.1	0.2						
7642	ENSG00000257608	10376.3	0.2						
7643	ENSG000002057163	10376.4	0.2						
7649	ENSG00000205828	10383.1	0.2						
7650	ENSG00000226372	10384.8	0.2						
7653	ENSG00000205014	10388.1	0.2						
7654	ENSG00000205353	10388.3	0.2						
7655	ENSG000002071657	10388.6	0.2						
7659	ENSG00000231559	10391.3	0.2						
7667	ENSG00000205769	10399	0.2						
7676	ENSG00000213391	10401.8	0.2						
7682	ENSG00000233397	10407	0.2						
7687	ENSG00000205196	10409.8	0.2						
7690	ENSG000002051945	10411.3	0.2						
7691	ENSG00000228421	10412.2	0.2						
7698	ENSG00000205029	10417.8	0.2						
7701	ENSG00000205361	10420.7	0.2						
7708	ENSG00000180344	10430.3	0.2						
7710	ENSG00000207941	10431.8	0.2						
7713	ENSG00000205198	10434.2	0.2						
7715	ENSG00000202935	10435.4	0.2						
7720	ENSG00000205698	10443	0.2						
7721	ENSG000002053709	10444.7	0.2						
7723	ENSG00000226961	10447.2	0.2						
7730	ENSG00000230539	10457.6	0.2						
7732	ENSG00000230296	10459.7	0.2						
7733	ENSG00000249079	10459.9	0.2						
7734	ENSG00000270863	10460.6	0.2						
7736	ENSG00000204337	10462.2	0.2						
7747	ENSG000002053872	10475.8	0.2						
7749	ENSG00000230901	10477.6	0.2						
7751	ENSG000002051070	10482.9	0.2						
7755	ENSG00000205907	10485.6	0.2						
7757	ENSG00000205936	10486.3	0.2						
7762	ENSG00000205803	10491.1	0.2						
7764	ENSG00000205814	10493.3	0.2						
7766	ENSG00000230425	10494.7	0.2						
7769	ENSG00000225116	10496.4	0.2						
7770	ENSG00000177736	10496.8	0.2						
7771	ENSG00000226155	10497.6	0.2						
7774	ENSG00000205266	10499.4	0.2						
7776	ENSG000002058647	10501.4	0.2						
7781	ENSG00000224448	10504.2	0.2						
7782	ENSG00000205408	10504.3	0.2						
7783	ENSG00000225012	10504.6	0.2						
7787	ENSG00000240884	10507.9	0.2						
7790	ENSG00000205165	10512.4	0.2						
7791	ENSG00000235563	10512.7	0.2						
7792	ENSG00000224955	10513.2	0.2						
7796	ENSG00000205213	10516.7	0.2						
7798	ENSG00000225157	10519.4	0.2						
7799	ENSG000002051010	10520.1	0.2						
7802	ENSG00000205917	10523.3	0.2						
7806	ENSG00000205148	10528.2	0.2						
7807	ENSG00000243584	10528.7	0.2						
7809	ENSG00000205257	10528.9	0.2						
7813	ENSG00000248777	10531.7	0.2						
7814	ENSG000002021860	10531.8	0.2						
7816	ENSG000002051520	10533.6	0.2						
7819	ENSG00000224498	10537.5	0.2						
7820	ENSG00000207014	10537.6	0.2						
7821	ENSG00000245546	10538.2	0.2						
7823	ENSG00000208979	10538.7	0.2						
7826	ENSG00000205998	10542.9	0.2						
7827	ENSG00000246174	10544.6	0.2						
7829	ENSG00000205953	10545.4	0.2						
7830	ENSG00000226720	10546.1	0.2						
7831	ENSG00000174495	10546.3	0.2						
7832	ENSG00000170262	10546.7	0.2						
7838	ENSG000002058892	10551.2	0.2						
7839	ENSG00000230950	10551.3	0.2						
7844	ENSG00000217336	10555.2	0.2						
7846	ENSG000002052005	10561.3	0.2						
7847	ENSG00000230701	10564.1	0.2						
7849	ENSG00000225296	10566.9	0.2						
7855	ENSG000002052500	10572.1	0.2						
7861	ENSG00000230715	10576.4	0.2						
7862	ENSG00000205445	10576.9	0.2						
7863	ENSG00000233754	10577.3	0.2						
7871	ENSG00000208105	10583.3	0.2						
7872	ENSG00000224384	10584.5	0.2						
7873	ENSG000002057194	10584.5	0.2						
7874	ENSG000002027666	10584.7	0.2						
7875	ENSG00000202161	10586.3	0.2						
7878	ENSG000002027636	10589.4	0.2						
7884	ENSG00000244065	10595.6	0.2						
7885	ENSG00000205173	10596.8	0.2						
7888	ENSG00000235357	10607.9	0.2						
7899	ENSG000002021499	10608.7	0.2						
7902	ENSG00000205919	10614.1	0.2						
7905	ENSG00000203334	10616.9	0.2						
7909	ENSG00000230172	10621.8	0.2						
7911	ENSG000002021028	10622.3	0.2						
7917	ENSG00000270521	10625.7	0.2						
7918	ENSG00000225094	10627.2	0.2						
7925	ENSG00000213528	10640.7	0.2						
7926	ENSG00000231718	10643.4	0.2						
7927	ENSG00000230349	10643.8	0.2						
7928	ENSG00000205050	10644.1	0.2						
7929	ENSG00000271526	10644.8	0.2						
7931	ENSG000002026424	10645.2	0.2						
7935	ENSG00000204963	10647.5	0.2						
7938	ENSG000002081478	10655.2	0.2						
7941	ENSG000002054237	10657.6	0.2						
7942	ENSG000002059208	10658.6	0.2						
7949	ENSG00000205360	10663	0.2						
7953	ENSG00000230486	10665.9	0.2						
7956	ENSG000002081721	10669.3	0.2						
7964	ENSG00000205498	10677.6	0.2						
7967	ENSG00000225279	10679.2	0.2						
7968	ENSG00000205087	10679.9	0.2						
7969	ENSG00000245428	10679.9	0.2						
7970	ENSG000002055158	10681.6	0.2						
7973	ENSG00000215002	10684.5	0.2						
7976	ENSG00000205261	10685.3	0.2						
7980	ENSG00000230186	10688.1	0.2						
7982	ENSG000002053574	10688.7	0.2						
7988	ENSG00000205347	10692.4	0.2						
7994	ENSG000002023660	10699.3	0.2						
7995	ENSG00000205957	10699.5	0.2						
8000	ENSG0000022704	10707.5	0.2						
8012	ENSG000002057078	10721	0.2						
8014	ENSG00000205610	10721.6	0.2						
8019	ENSG00000202300	10727.3	0.2						
8026	ENSG00000230504	10730.8	0.2						

8029	ENS00000235332	10732.6	0.2						
8033	ENS00000235259	10734.6	0.2						
8034	ENS00000237211	10735.2	0.2						
8039	ENS00000237295	10738	0.2						
8042	ENS00000237262	10740	0.2						
8043	ENS00000232498	10740.9	0.2						
8045	ENS00000258747	10743	0.2						
8047	ENS00000234576	10746	0.2						
8048	ENS00000231448	10745.7	0.2						
8053	ENS00000273432	10750.1	0.2						
8057	ENS00000259260	10756.2	0.2						
8066	ENS00000259222	10759.4	0.2						
8084	ENS00000240424	10761.7	0.2						
8085	ENS00000259256	10761.7	0.2						
8086	ENS00000259481	10761.9	0.2						
8071	ENS00000248229	10765.5	0.2						
8072	ENS00000232905	10765.7	0.2						
8073	ENS00000232593	10767.3	0.2						
8074	ENS000002033496	10767.7	0.2						
8076	ENS00000240736	10770.4	0.2						
8077	ENS00000231749	10770.5	0.2						
8084	ENS000002081273	10776.1	0.2						
8091	ENS00000229229	10784.1	0.2						
8095	ENS00000225433	10786.3	0.2						
8098	ENS00000285594	10787.9	0.2						
8105	ENS00000255856	10794	0.2						
8107	ENS00000232786	10795.3	0.2						
8109	ENS00000238822	10797.2	0.2	12	13129888	13129995			Small nuclear RNA U13
8110	ENS00000226825	10798.7	0.2						
8111	ENS00000235923	10799.1	0.2						
8114	ENS00000243587	10803.3	0.2						
8116	ENS00000259078	10806.4	0.2						
8118	ENS00000234337	10809.3	0.2						
8125	ENS00000232283	10819.3	0.2						
8126	ENS00000270764	10820.8	0.2						
8127	ENS00000234997	10823.3	0.2						
8135	ENS00000227711	10831	0.2						
8139	ENS00000257864	10837.5	0.2						
8145	ENS00000234459	10842.7	0.2						
8157	ENS00000273312	10850.6	0.2						
8158	ENS00000224479	10850.6	0.2						
8164	ENS00000237459	10855.1	0.2						
8166	ENS00000287587	10855.9	0.2						
8172	ENS000002051546	10861.6	0.2						
8174	ENS00000206268	10862.9	0.2						
8175	ENS00000235544	10863	0.2						
8180	ENS00000253351	10870.6	0.2						
8182	ENS00000225253	10872.6	0.2						
8193	ENS00000236971	10873.9	0.2						
8207	ENS00000230739	10882.3	0.2						
8215	ENS00000226395	10887.1	0.2						
8222	ENS00000220398	10905	0.2						
8228	ENS00000257668	10907.7	0.2						
8231	ENS00000232795	10909	0.2						
8233	ENS00000233469	10911.3	0.2						
8240	ENS00000230960	10915.7	0.2						
8243	ENS00000289896	10917.9	0.2	21	37402368	37417818			Uncharacterized protein
8246	ENS00000232620	10922.7	0.2						
8264	ENS00000232396	10938.5	0.2						
8274	ENS00000218846	10942.8	0.2						
8278	ENS00000231977	10946	0.2						
8280	ENS00000258746	10948.8	0.2						
8283	ENS00000228176	10952.8	0.2						
8295	ENS00000245209	10953	0.2						
8290	ENS00000233799	10962.9	0.2						
8292	ENS00000252599	10963.6	0.2						
8296	ENS00000214448	10964.5	0.2						
8300	ENS00000255362	10970.3	0.2						
8301	ENS00000230360	10971.6	0.2						
8306	ENS00000230788	10973.9	0.2						
8308	ENS00000208797	10976.5	0.2	4	6693782	6694189			Uncharacterized protein
8321	ENS00000230358	10984.1	0.2						
8329	ENS00000238423	10990.3	0.2						
8330	ENS00000287304	10991	0.2						
8335	ENS00000223475	10994.8	0.2						
8358	ENS00000245153	11013	0.2						
8359	ENS00000271245	11013.9	0.2						
8377	ENS000002081433	11032.8	0.2						
8392	ENS00000234523	11045.3	0.2						
8402	ENS00000205264	11047.6	0.2						
8403	ENS00000230336	11048	0.2						
8408	ENS00000231197	11053.7	0.2						
8411	ENS00000259941	11057.8	0.2						
8433	ENS00000231724	11070.5	0.2						
8470	ENS000002342497	11112.4	0.2						
8488	ENS00000234415	11125.5	0.2						
8505	ENS00000256295	11145.7	0.2						
8523	ENS00000230507	11161.6	0.2						
8569	ENS00000218544	11196.4	0.2						
8570	ENS00000227934	11196.9	0.2						
8578	ENS00000208765	11201.4	0.2						
8590	ENS00000230766	11202.6	0.2						
8608	ENS00000271732	11219.6	0.2						
8608	ENS00000231934	11220.5	0.2						
8622	ENS00000209265	11223.8	0.2						
8632	ENS00000232520	11241.3	0.2						
8662	ENS00000259827	11260.5	0.2						
8681	ENS00000230988	11273.8	0.2						
8628	ENS00000230255	11407.9	0.2						
8639	ENS00000230672	11415.4	0.2						
8622	ENS00000211003	11424.1	0.2						
6029	ENS00000204479	ORZ1-AS1	antisense	7	143948357	144053274			ORZ1 antisense RNA 1
6975	ENS00000251224	9650	0.19	antisense	3	3277127	3277896		KCNO10 antisense RNA 1
6960	ENS00000230263	ISM1-AS1	antisense	1	11118.1	1121448	1320251		ISM1 antisense RNA 1
8864	ENS00000240596	KCNAB1-AS2	antisense	3	15593349	15594572			KCNAB1 antisense RNA 2
8833	ENS00000214896	LINC02025	antisense	7	47601074	47606370			long intergenic non-protein coding RNA 525
899	ENS00000230898	PLCH1-AS1	antisense	3	155186973	15517542			PLCH1 antisense RNA 1
9125	ENS00000237221	11652.2	0.19	antisense	X	18706762	18709723		PPEF1 antisense RNA 1
9126	ENS000002198711	11653.3	0.19	antisense	1	54703710	54704738		SSBP3 antisense RNA 1
9224	ENS00000234650	RCOA-AS1	antisense	3	103116684	103113411			RCOA antisense RNA 1
9311	ENS00000243715	CACNA2D3-AS1	antisense	3	5458832	54583282			CACNA2D3 antisense RNA 1
9354	ENS00000230820	11628.7	0.19	antisense	3	18381296	18382266		HTR3E antisense RNA 1
9457	ENS00000231173	LICH1-AS1	antisense	4	41222091	41228144			LICH1 antisense RNA 1 (head to head)
9683	ENS00000237775	12104.8	0.19	antisense	6	30834759	30843695		DDR1 antisense RNA 1 (head to head)
7945	ENS00000211643	10659.8	0.19	IG_V_gene	22	22973082	22973581		immunoglobulin lambda variable 5-52
2548	ENS00000232762	LINC02068	lincRNA	15	57552563	57599569			long intergenic non-protein coding RNA 526
8028	ENS00000231983	LINC02020	lincRNA	16	66442427	66446038			long intergenic non-protein coding RNA 920
8088	ENS00000235685	LINC02098	lincRNA	13	26626414	26627523			long intergenic non-protein coding RNA 415
8122	ENS00000232127	LINC02152	lincRNA	20	21086245	21086959			long intergenic non-protein coding RNA 237
8144	ENS000002122043	LINC00544	lincRNA	13	3051042	30524625			long intergenic non-protein coding RNA 544
8286	ENS00000237264	MIR179-2	miRNA	1	14993356	14996561			miR-179-1
8270	ENS00000215162	LINC02089	lincRNA	X	68398400	68429767			long intergenic non-protein coding RNA 269
8596	ENS00000234056	11122.8	0.19	lincRNA	13	25748966	25754217		AMER2 antisense RNA 1 (head to head)
6077	ENS000002184274	11440.8	0.19	lincRNA	21	46720160	46725172		long intergenic non-protein coding RNA 316
8688	ENS00000208707	RP13-137A17.6	lincRNA	10	134779326	134789536			lincRNA 761
9180	ENS00000237385	11678.2	0.19	lincRNA	13	45225848	45275152		long intergenic non-protein coding RNA 407
9350	ENS00000239656	11626.6	0.19	lincRNA	13	26891033	26891084		Protein LOC100509667: Putative uncharacterized protein DNF24-34H05.12
9381	ENS00000230411	MIR549A	miRNA	1	109943421	10994981			long intergenic non-protein coding RNA 370
10037	ENS000002196559	12376	0.19	lincRNA	11	36236084	36294909		long intergenic non-protein coding RNA 610
4490	ENS00000226105	MIR1978	miRNA	1	26891033	26891084			miR-1978
6866	ENS00000210276	MIR7671	miRNA	1	8427173	8428013	8418214		miR-7671
6127	ENS000002084796	MIR5009	miRNA	15	90427163	90427262			miR-5009
6037	ENS000002148931	MIR1318	miRNA	4	10080225	10080316			miR-1318
8313	ENS000002084199	MIR3667	miRNA	1	49937114	49937114			miR-3667
8355	ENS000002086802	MIR4419A	miRNA	1	23384351	23384427			miR-4419a
8481	ENS000002083979	MIR4402	miRNA	9	130631694	130631774			miR-4402
8524	ENS00000231689	MIR1273F	miRNA	1	34983072	34983048			miR-1273f
8550	ENS000002085815	MIR1273G	miRNA	1	53405986	53406085			miR-1273g
8784	ENS000002083841	MIR4777	miRNA	2	232227419	232227504			miR-4777
8790	ENS00000208294	MIR1273F	miRNA	1	53393563	53394444			miR-1273f
8831	ENS000002301025	MIR1250	miRNA	17	79189996	79187108			miR-1250
9089	ENS000002086407	MIR3157	miRNA	10	87824072	87824156			miR-3157
8142	ENS00000204989	MIR5062	miRNA	1	12481009	12481098			miR-5062
9241	ENS000002085333	MIR1317	miRNA	3	194855205	194855309			miR-1317

8890	ENSG000002043542	11074.7	0.19	misc RNA	19	58581338	58581607	RNA 75L, cytoplasmic 526, pseudogene
8911	ENSG000002041863	11050.3	0.19	misc RNA	4	153729383	153729383	RNA 75L, cytoplasmic 655, pseudogene
8925	ENSG000002044236	11165.8	0.19	misc RNA	2	69743853	69744176	RNA 75L, cytoplasmic 604, pseudogene
8931	ENSG000002058892	11169.9	0.19	misc RNA	4	140106595	140106897	RNA 75L, cytoplasmic 311, pseudogene
8942	ENSG000002046699	11417	0.19	misc RNA	1	235039933	235040233	RNA 75L, cytoplasmic 669, pseudogene
8946	ENSG000002043752	11597.3	0.19	misc RNA	10	8952912	8952912	RNA 75L, cytoplasmic 74, pseudogene
8956	ENSG000002045041	11633.4	0.19	misc RNA	2	204124327	204124818	RNA 75L, cytoplasmic 870, pseudogene
8959	ENSG000002048650	11672.1	0.19	misc RNA	14	66217947	66218261	RNA 75L, cytoplasmic 213, pseudogene
8960	ENSG000002049269	11701.5	0.19	misc RNA	5	124527397	124527397	RNA 75L, cytoplasmic 187, pseudogene
9271	ENSG000001984940	11783.7	0.19	misc RNA	20	48537154	48537154	Y RNA
9271	ENSG000002048650	11672.1	0.19	misc RNA	14	66217947	66218261	RNA 75L, cytoplasmic 213, pseudogene
9331	ENSG000002048650	11672.1	0.19	misc RNA	22	25099899	25099899	RNA 75L, cytoplasmic 162, pseudogene
9346	ENSG000002048650	11672.1	0.19	misc RNA	22	86987852	86987852	RNA 75L, cytoplasmic 162, pseudogene
9577	ENSG000002045052	12014.4	0.19	misc RNA	1	231028867	231030713	RNA 75L, cytoplasmic 837, pseudogene
9721	ENSG000002040959	12125.7	0.19	misc RNA	16	2181862	2181951	Y RNA
9736	ENSG000002021633	2474	0.19	processed_pseudogene	2	1292282	12923075	non-sulfur cluster assembly 1 pseudogene 6
9741	ENSG000002044171	5149.6	0.19	processed_pseudogene	3	14289127	142897307	pre-B-cell leukemia homeobox 2 pseudogene 1
9840	ENSG000002044451	7105.6	0.19	processed_pseudogene	11	12995200	129952076	ribosomal protein L34 pseudogene 21
4723	ENSG00000205919	7270.3	0.19	processed_pseudogene	8	79672377	79674666	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of P58 repressor pseudogene 7
5165	ENSG000002021221	7853.3	0.19	processed_pseudogene	2	16235736	16236246	AT hook containing transcription factor 1 pseudogene 1
5792	ENSG000002023034	8501.2	0.19	processed_pseudogene	7	23382952	23383075	nucleofibrin, light polypeptide pseudogene 1
6485	ENSG000002040167	9265.8	0.19	processed_pseudogene	4	42473827	42474397	ribosomal protein S7 pseudogene 7
6586	ENSG00000215887	9375.6	0.19	processed_pseudogene	1	112180913	112182166	keratin 18 pseudogene 57
6745	ENSG000002019920	9528.7	0.19	processed_pseudogene	6	10570328	105703698	ribosomal protein L35 pseudogene 3
7193	ENSG00000162685	9636.1	0.19	processed_pseudogene	5	28825707	288257686	lymphocyte-specific protein 1 pseudogene 3
7289	ENSG000002058300	10014.6	0.19	processed_pseudogene	14	36289043	36289294	nuclear transport factor 2 pseudogene 2
7979	ENSG000002021429	10318.6	0.19	processed_pseudogene	1	116469221	116469215	NIP1, nuclear pore RNA processing protein pseudogene 3
7822	ENSG000002024316	10538.5	0.19	processed_pseudogene	1	8846270	8846272	ribosomal protein L7 pseudogene 7
7869	ENSG000002025803	10582.4	0.19	processed_pseudogene	20	20834764	20835285	mitochondrial ribosomal protein S11 pseudogene 1
7913	ENSG000002026123	11301.5	0.19	processed_pseudogene	19	21439314	21439314	ribosomal protein L18 pseudogene 63
8003	ENSG000002058019	10711.8	0.19	processed_pseudogene	12	11200931	11201851	taste receptor, type 2, member 63 pseudogene 1
8049	ENSG000002042456	10746.2	0.19	processed_pseudogene	10	90636207	90637304	pentatricyclic repeat domain 2 pseudogene 2
8130	ENSG000002045984	10828.1	0.19	processed_pseudogene	1	23262511	23262511	Y box binding protein 1 pseudogene 6
8143	ENSG000002014843	10827.2	0.19	processed_pseudogene	2	42051836	42052178	eukaryotic translation initiation factor 4E binding protein 2 pseudogene 1
8141	ENSG000002042621	10828.1	0.19	processed_pseudogene	2	17445559	17446162	zinc finger, FYVE domain containing 9 pseudogene 2
8155	ENSG000002011307	10849.5	0.19	processed_pseudogene	2	6608739	6608743	ribosomal protein L33 pseudogene 3
8185	ENSG000002034668	10869.8	0.19	processed_pseudogene	12	7171865	7171978	glyceraldehyde 3 phosphate dehydrogenase pseudogene 31
8199	ENSG000002045052	10869.8	0.19	processed_pseudogene	10	22713430	22713430	keratin 18 pseudogene 3
8200	ENSG00000203986	10882.3	0.19	processed_pseudogene	1	93212151	93212151	cyclin J pseudogene 2
8204	ENSG000002028966	10885.8	0.19	processed_pseudogene	8	28936607	28936827	keratin 18 pseudogene 1
8211	ENSG000002027953	10886.1	0.19	processed_pseudogene	1	3588821	3588821	keratin 18 pseudogene 8
8247	ENSG00000181358	10922.7	0.19	processed_pseudogene	13	50464727	504647134	CTAGE family, member 10, pseudogene
8291	ENSG00000202797	10963.5	0.19	processed_pseudogene	21	15164856	15164862	family with sequence similarity 207, member C
8292	ENSG000002025944	10968.6	0.19	processed_pseudogene	13	75402697	75402697	RID kinase 3 pseudogene 1
8311	ENSG000002021429	10938.6	0.19	processed_pseudogene	8	22397788	22397728	transmembrane protein 256 pseudogene 2
8381	ENSG00000204319	11027.3	0.19	processed_pseudogene	10	81975607	81975675	ribosomal protein S12 pseudogene 2
8429	ENSG000002018363	11058.2	0.19	processed_pseudogene	6	52112508	52112508	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20 pseudogene 1
8432	ENSG000002017558	11057.7	0.19	processed_pseudogene	10	103037657	103037605	ribosomal protein L18 pseudogene 20
8433	ENSG000002034933	11073.6	0.19	processed_pseudogene	20	32098955	32099052	cell division cycle 42 pseudogene 1
8443	ENSG000002027453	11085.6	0.19	processed_pseudogene	6	55002499	55002499	heterogeneous nuclear ribonucleoprotein A1 pseudogene 63
8444	ENSG000002025119	11100.2	0.19	processed_pseudogene	5	169657468	169657468	keratin 18 pseudogene 41
8458	ENSG000002017566	11098.8	0.19	processed_pseudogene	6	3841516	3841205	teratocarcinoma-derived growth factor 1 pseudogene 4
8462	ENSG000002017371	11103.7	0.19	processed_pseudogene	10	16183193	16183772	RANBP5, nuclear RAS oncogene family pseudogene 1
8463	ENSG000002017324	11104.4	0.19	processed_pseudogene	10	85412807	85412807	ribosomal protein L1 pseudogene 112
8467	ENSG000002024465	11107.5	0.19	processed_pseudogene	22	22525369	22525369	suppressor of cytokine signaling 2 pseudogene 2
8480	ENSG000002019897	11175.5	0.19	processed_pseudogene	11	43543896	43544814	C-terminal binding protein 2 pseudogene 8
8516	ENSG000002026436	11152.8	0.19	processed_pseudogene	8	11889265	11889265	albumin specific peptidase 17-like family member 7
8537	ENSG000002013608	11174.5	0.19	processed_pseudogene	4	8438877	8438977	solute carrier family 25 (mitochondrial, carnitine), member 14 pseudogene 1
8539	ENSG000002020451	11175.5	0.19	processed_pseudogene	16	58810444	58811467	gem (nuclear organelle) associated protein 8 pseudogene 2
8554	ENSG000002020164	11184.2	0.19	processed_pseudogene	1	1198421	1198421	fibronectin factor receptor 3 pseudogene 6
8561	ENSG000002028102	11189.7	0.19	processed_pseudogene	15	66707271	66707536	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2 pseudogene 6
8565	ENSG000002024718	11191.6	0.19	processed_pseudogene	13	19300846	19301254	calpain 2 pseudogene 12
8566	ENSG000002024718	11192.2	0.19	processed_pseudogene	14	15966178	15966178	lathy acid binding protein 2 pseudogene 6
8568	ENSG000002021137	11195.1	0.19	processed_pseudogene	9	78901410	78902967	RNA binding motif protein 22 pseudogene 5
8581	ENSG000002014835	11202.2	0.19	processed_pseudogene	20	10329805	10329776	ribosomal protein L23a pseudogene 8
8590	ENSG000002029321	11207.6	0.19	processed_pseudogene	12	17276998	17276998	epsilon-tubulin 2 pseudogene 2
8601	ENSG000002053363	11215.2	0.19	processed_pseudogene	8	32897041	32897311	RAN, member RAS oncogene family pseudogene 9
8605	ENSG000002010564	11219.5	0.19	processed_pseudogene	19	2538708	2538786	transcription elongation factor B (SII), polypeptide 1 pseudogene 28
8619	ENSG000002020633	11232.8	0.19	processed_pseudogene	10	1073282	1073282	ribosomal protein L18 pseudogene 12
8646	ENSG000002020608	11284.3	0.19	processed_pseudogene	6	48117741	48117741	heterogeneous nuclear ribonucleoprotein A3 pseudogene 4
8670	ENSG000002049963	11300.4	0.19	processed_pseudogene	5	9932251	9932336	eukaryotic translation elongation factor 1 alpha 1 pseudogene 20
8719	ENSG00000204554	11345.7	0.19	processed_pseudogene	7	71428768	71428768	SCCA family, member 2 pseudogene 1
8741	ENSG000002044371	11327.1	0.19	processed_pseudogene	1	14639210	14639210	profilin 1 pseudogene 6
8755	ENSG000002024102	11342.8	0.19	processed_pseudogene	10	70920314	70921256	keratin 18 pseudogene 4
8757	ENSG000002034668	11353.9	0.19	processed_pseudogene	10	12534374	12534374	ADP-ribosylation factor 1 pseudogene 3
8776	ENSG000002027863	11350.6	0.19	processed_pseudogene	20	205201	205488	ribosomal protein L7 pseudogene 2
8778	ENSG000002024484	11352.6	0.19	processed_pseudogene	2	24955138	24955884	phosphoglycerate mutase 1 pseudogene 6
8781	ENSG000002020272	11358.9	0.19	processed_pseudogene	3	40740657	40740657	high mobility group nucleosomal binding domain 2 pseudogene 29
8819	ENSG000002014626	11403.4	0.19	processed_pseudogene	10	76414714	76415889	polymerase (RNA) II (DNA directed) polypeptide 2, 44kDa pseudogene 1
8825	ENSG000002017316	11406.9	0.19	processed_pseudogene	5	95308745	95309159	lathy acid binding protein 5 pseudogene 5
8826	ENSG000002020633	11232.8	0.19	processed_pseudogene	10	1073282	1073282	ribosomal protein L18 pseudogene 12
8846	ENSG000002020633	11232.8	0.19	processed_pseudogene	16	31652168	31693422	RNA binding motif protein 22 pseudogene 12
8849	ENSG000002022512	11419.7	0.19	processed_pseudogene	18	8546813	8546815	aldo-keto reductase family 1, member B1 pseudogene 2
8856	ENSG000002017770	11425.8	0.19	processed_pseudogene	8	84583733	84589869	SPATA3, subfamily 1, member 2 pseudogene 2
8862	ENSG000002025944	11441.8	0.19	processed_pseudogene	10	38329078	38329078	FXYD domain containing on transport regulator 1 pseudogene 2
8870	ENSG000002049973	11449.2	0.19	processed_pseudogene	4	88770723	88770723	coiled-coil-helix-coiled-coil helix domain containing 2 pseudogene 7
8882	ENSG000002030942	11450.6	0.19	processed_pseudogene	7	15620543	15620711	high mobility group nucleosome binding domain 1 pseudogene 5
8883	ENSG000002028433	11450.6	0.19	processed_pseudogene	7	14470151	14470151	epsilon-tubulin 2 pseudogene 2
8913	ENSG000002023840	11477.8	0.19	processed_pseudogene	18	20186428	20187190	ribosomal protein SAK pseudogene 18
8953	ENSG000002041451	11510.3	0.19	processed_pseudogene	8	66050464	66051068	cyclin-dependent kinase 2 associated protein 2 pseudogene 2
8964	ENSG000002029123	11539.7	0.19	processed_pseudogene	1	143487623	143487623	nut3 (nucleoside diphosphate linked motif A) type motif 19 pseudogene 3
8968	ENSG000002036038	11527.6	0.19	processed_pseudogene	2	33827198	33827198	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit 1 pseudogene 3
8992	ENSG000002020956	11529.5	0.19	processed_pseudogene	4	27268767	27267798	immunoglobulin (Ig) binding protein 1 pseudogene 5
8997	ENSG000002025562	11533.6	0.19	processed_pseudogene	15	15189117	15189117	pseudogene 7
8998	ENSG000002028783	11542.9	0.19	processed_pseudogene	17	42442382	42443119	ribosomal protein L7-like 1 pseudogene 5
9008	ENSG000002024234	11550.8	0.19	processed_pseudogene	9	81651329	81652484	keratin 18 pseudogene 24
9020	ENSG000002034333	11559.2	0.19	processed_pseudogene	22	4496244	4496244	ribosomal protein L23a pseudogene 23
9036	ENSG000002020518	11578.4	0.19	processed_pseudogene	6	73746520	73746580	phosphoglycerate mutase 1 pseudogene 10
9049	ENSG000002021107							

2646	ENSG00000231925	TAPBP	40931	0.19	protein_coding	6	33267471	33282164	TAP binding protein (tactain)
2662	ENSG00000117118	ZNF939	41114	0.19	protein_coding	X	47831770	47831777	zinc finger protein 102
2713	ENSG00000137393	RNF144B	4208.8	0.19	protein_coding	6	19389779	19409105	ring finger protein 144B
2726	ENSG00000133246	PRAM1	4232.5	0.19	protein_coding	19	8554940	8557996	PML-RARA regulated adaptor molecule 1
2734	ENSG00000134445	SPRY1	4251.2	0.19	protein_coding	11	65425598	65418401	signal-induced proliferation-associated 1
2800	ENSG00000132775	RPK1	4304.3	0.19	protein_coding	11	3054225	3115451	receptor (TNFRSF) interacting serine-threonine kinase 1
2836	ENSG00000064201	TSPAN5	4380.5	0.19	protein_coding	11	2323227	233340	tetraspanin 5
2838	ENSG00000186896	ITGAM	4381.4	0.19	protein_coding	16	31271311	3134424	integrin, alpha M (cell adhesion component 3 receptor 3 subunit)
2834	ENSG00000186893	ARHGAP4	4382.6	0.19	protein_coding	11	15317281	15320025	Rho GTPase activating protein 4
2843	ENSG00000154016	GRAP4	4413.4	0.19	protein_coding	17	18923986	18950590	GRB2-related adaptor protein
2861	ENSG00000131389	SLC6A6	4466.8	0.19	protein_coding	3	14440476	14530887	solute carrier family 6 (neurotransmitter transporter), member 6
2881	ENSG00000253254	ZNPF4	4524.4	0.19	protein_coding	6	88991165	88994852	thioredoxin phosphatase A
2888	ENSG00000101286	RNF24	4526.2	0.19	protein_coding	20	3907956	3906229	ring finger protein 24
3035	ENSG00000176886	TCFANC	4725.1	0.19	protein_coding	X	13671225	13700083	transcription elongation factor A (SH N-terminal and central domain containing)
3040	ENSG00000202388	PSIP1P2	4747.1	0.19	protein_coding	18	43662502	43662538	protein-serine-threonine phosphatase interacting protein 2
3072	ENSG00000138621	PPDC2	4785.2	0.19	protein_coding	15	75315896	75409003	phosphatidylethanolamine decarboxylase
3101	ENSG00000202008	LING3	4842.2	0.19	protein_coding	19	22897474	23081186	leucine rich repeat and Ig domain containing 3
3126	ENSG00000202693	TAR2	4893.5	0.19	protein_coding	6	149570277	149732749	TGF-beta activated kinase 1/MAPK3 binding protein 2
3191	ENSG00000136754	ABI1	5007.7	0.19	protein_coding	10	27035522	27150016	anti-interactor 1
3194	ENSG00000147461	RAB3A	5012	0.19	protein_coding	19	16222439	16245044	RAB3A, member RAS oncogene family
3229	ENSG00000137518	NBE1	5054.4	0.19	protein_coding	2	39582765	39582765	negative regulator of ubiquitin-like proteins 1
3242	ENSG00000138756	BMPK	5089	0.19	protein_coding	4	79697496	79697496	BMP2 inducible kinase
3243	ENSG00000171100	MTM1	5090	0.19	protein_coding	X	149737069	149841795	myotubularin 1
3257	ENSG00000186828	CSGALNCT2	5112.3	0.19	protein_coding	10	4383934	4383700	chondroitin sulfate N-acetylglucosaminyltransferase 2
3299	ENSG00000073737	DHR39	5182.5	0.19	protein_coding	2	16952129	16952129	dehydrogenase/reductase (SDR family) member 9
3412	ENSG00000168499	PLEKH2	5370.4	0.19	protein_coding	8	38758753	3881428	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2
3420	ENSG00000100030	MAR1	5381	0.19	protein_coding	22	22109786	22221070	mitogen-activated protein kinase 1
3421	ENSG00000102796	DHR12	5385.2	0.19	protein_coding	13	5234129	52349283	dehydrogenase/reductase (SDR family) member 12
3473	ENSG00000123884	LPGAT1	5463.4	0.19	protein_coding	1	211916799	21200414	lysophosphatidylglycerol acyltransferase 1
3508	ENSG00000100000	NESD	5520.8	0.19	protein_coding	22	4552268	4552268	neurofilament SIDA
3549	ENSG00000113369	SMO3C3	5569.3	0.19	protein_coding	5	90654543	90679176	arrestin domain containing 3
3618	ENSG00000092920	FAM216	5668.8	0.19	protein_coding	10	51827848	51893269	family with sequence similarity 21, member A
3625	ENSG00000205448	PRK2	5688.2	0.19	protein_coding	19	3688528	37382308	equipment and cell motilin 1
3640	ENSG00000114796	KLHL24	5706.3	0.19	protein_coding	3	18335356	18332025	kelch-like family member 24
3662	ENSG00000132405	TBC1D14	5740.4	0.19	protein_coding	4	6916959	7034845	TBC1 domain family, member 14
3699	ENSG00000131313	TRAF3	5756.3	0.19	protein_coding	8	38138637	38138637	receptor interacting protein 3
3720	ENSG00000107876	ZDHHC20	5832.4	0.19	protein_coding	1	24421455	244220778	zinc finger and BTB domain containing 19
3723	ENSG00000137472	FCM2	5843.3	0.19	protein_coding	13	11926283	22033509	zinc finger, DHHC-type containing 20
3743	ENSG00000068796	KIF2A	5981	0.19	protein_coding	5	61601899	61603376	KIF and double SH3 domain family 2
3759	ENSG00000132877	FIG4	5984.4	0.19	protein_coding	6	110012489	110149831	kinase heavy chain member 24
3763	ENSG00000102146	ZNF47	5986.1	0.19	protein_coding	12	207116	207116	FIG4 homolog, SACH1 (lipid phosphate domain containing) (S. cerevisiae)
3768	ENSG00000597958	CDK17	5981.3	0.19	protein_coding	12	96972039	96974338	zinc finger protein 737
3801	ENSG00000168944	CEP120	5988	0.19	protein_coding	5	122890579	122795286	cyclin-dependent kinase 17
3807	ENSG00000407471	CITF	6063.1	0.19	protein_coding	3	66666976	69101466	centrosomal protein 120Da
3820	ENSG00000175963	CHP1	6108	0.19	protein_coding	6	10911055	10911055	TATA element modulatory factor 1
3900	ENSG00000174839	DEMDA	6255.6	0.19	protein_coding	3	57611184	57677816	class II major histocompatibility complex, transactivator
4001	ENSG00000032119	ARHDC4	6267.8	0.19	protein_coding	14	58765020	58676000	DENMAD4 domain containing 6A
4082	ENSG00000120816	EPC1	6302.5	0.19	protein_coding	10	11907901	117773425	AT rich intrinsically domain, RING-like
4146	ENSG00000186584	AKAP9	6504.7	0.19	protein_coding	10	32556679	32669726	soc2 accessory of euk. homolog (C. elegans)
4211	ENSG0000017914	AKAP9	6504.7	0.19	protein_coding	11	116714118	116699153	enhancer of polyoma homolog 1 (Drosophila)
4248	ENSG00000131051	RM23	6593.7	0.19	protein_coding	20	34231531	34302324	AKAP family kinase 3
4286	ENSG0000013084	SP122	6722.8	0.19	protein_coding	1	18819175	18822283	A kinesin PRKA anchor protein 9
4330	ENSG00000089219	ATG16L1	6728.2	0.19	protein_coding	7	234118907	23420120	RNA binding motif protein 39
4363	ENSG00000166579	NDEL1	6779.8	0.19	protein_coding	17	8316449	8393729	SP12 domain containing 2
4387	ENSG00000134268	EPHB1	6830.4	0.19	protein_coding	3	134318443	134379039	autophagy related 1 family 1 (S. cerevisiae)
4396	ENSG00000107046	EPHA4	6834.1	0.19	protein_coding	6	11877815	11948458	EPH receptor type 1-like 1
4398	ENSG00000083223	ZCCHC8	6846.1	0.19	protein_coding	8	86982648	86989369	EPH receptor type 4A1
4472	ENSG00000181016	LSMEM1	6938.3	0.19	protein_coding	7	11230908	11231117	zinc finger, CCHC domain containing 6
4477	ENSG00000137766	SLMO2	6948.2	0.19	protein_coding	7	61682841	61682841	leucine-rich single-pass membrane protein 1
4493	ENSG00000153338	TRAPP2B	6961.6	0.19	protein_coding	18	28409138	28533099	Nucleolar phosphoprotein 1, NOL1 auxiliary subunit
4538	ENSG00000173480	ZNF417	7039	0.19	protein_coding	19	58411864	58427878	trafficking protein particle complex 8
4596	ENSG00000118626	KIF26A	7104.3	0.19	protein_coding	19	11930156	11930156	zinc finger protein 417
4643	ENSG00000149534	MSA42	7154.2	0.19	protein_coding	11	59855734	59863444	lysine (K)-box metalloproteinase 2A
4729	ENSG00000146003	DRPH	7279.9	0.19	protein_coding	15	65734801	65910042	membrane-spanning 4-domains, subfamily A, member 2
4796	ENSG00000102121	KIF26B	7312.3	0.19	protein_coding	15	65734802	65910042	dypheridin-like protein 8
4899	ENSG00000176659	C20orf197	7521.6	0.19	protein_coding	20	58630980	58648008	cholesterol transfer protein, plasma
5135	ENSG00000131969	ABHD108	7622	0.19	protein_coding	14	51338878	51371688	chromosome 20 open reading frame 197
5234	ENSG00000146606	TRAF3IP1	7817.8	0.19	protein_coding	12	21338474	21338474	abhydrolase domain containing 12B
5414	ENSG00000255837	TAS2R20	8150.1	0.19	protein_coding	12	11149004	11150474	angel homolog 2 (Drosophila)
5519	ENSG00000128991	C16orf87	8257.9	0.19	protein_coding	15	40820882	40857256	taste receptor, type 2, member 20
5650	ENSG00000107173	TRAF3IP1	8260.1	0.19	protein_coding	12	18068119	18068119	chromosome 15 open reading frame 57
6229	ENSG00000178917	ZNF852	9003.3	0.19	protein_coding	3	44540452	44552128	lysophilin-like protein containing 52
6369	ENSG00000138380	CARF	9158.9	0.19	protein_coding	2	20377857	203851786	zinc finger protein 852
6923	ENSG00000102569	SXND1	9258.8	0.19	protein_coding	2	87138608	87138608	calcium responsive transcription factor 4
7061	ENSG00000187862	TTC24	9282.8	0.19	protein_coding	1	15954959	15955592	UchLac-associated protein
7100	ENSG00000191765	SULT1A2	10008	0.19	protein_coding	16	28660284	28660330	tetraacetylated repeat domain 2
7259	ENSG00000102528	TAS2R90	10266.8	0.19	protein_coding	12	11313068	11313068	subferritinase family, cytosolic, 1A, phenol-preferring, member 2
7540	ENSG00000179253	TAS2R90	10294.9	0.19	protein_coding	20	60252562	60294804	taste receptor, type 2, member 90
7665	ENSG00000113302	IL28B	10408.3	0.19	protein_coding	5	15874191	158757895	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)
7707	ENSG00000101292	PROKR2	10430.3	0.19	protein_coding	20	5282317	5297378	prokineticin receptor 2
7716	ENSG00000102794	IRG1	10436	0.19	protein_coding	13	77522632	77523277	immunoresponsive 1 homolog (mouse)
7758	ENSG00000135378	JCR1	10464	0.19	protein_coding	3	46026516	46026524	chromokine (C.moll) receptor 1
7860	ENSG00000131769	WASH1	10573.9	0.19	protein_coding	16	8443	8443	WAS protein family homolog 4 pseudogene
7866	ENSG00000196834	POTE1	10672.7	0.19	protein_coding	2	13127039	131267239	POTE intron domain family, member 1
8054	ENSG00000191780	BTBD2	10750	0.19	protein_coding	1	23607985	23607985	myelofibrotic syndrome 2 translocation associated
8095	ENSG00000134715	GGT2	10761.2	0.19	protein_coding	22	21542262	21542262	gamma-glutamyl transferase 2
8096	ENSG00000244872	CCDC163	10788.2	0.19	protein_coding	11	11906347	119067479	coiled-coil domain containing 153
8128	ENSG00000069490	BTNL2	10823.3	0.19	protein_coding	6	32681746	32674905	lymphostimulin 2 (TNF class II associated)
8169	ENSG00000174861	KIF26B	10900.8	0.19	protein_coding	20	248984320	248984320	effector receptor, family 2, subfamily T, member 8
8260	ENSG00000105808	RASM1	10936.1	0.19	protein_coding	7	10222050	10222504	RAS p21 protein activator 4
8263	ENSG00000284167	TRAF3IP1	10957.4	0.19	protein_coding	17	11705983	11714049	UchLac-associated protein
8317	ENSG00000102125	CD2B	10989	0.19	protein_coding	17	26533471	26533471	chromosome 26
8342	ENSG00000166363	CR10A5	10988.9	0.19	protein_coding	11	8686883	8686798	effector receptor, family 10, subfamily A, member 5
8388	ENSG00000147223	RIPPLY1	11043.3	0.19	protein_coding	X	106143283	106146958	rippl1 transcriptional repressor 1
8389	ENSG00000102126	ANGPT4	11043.4	0.19	protein_coding	11	8891544	8891544	angiotensinogen 4
8412	ENSG00000183310	CR2T34							

9694	ENSG00000120341	SEC16B	12028.2	0.19	protein_coding	1	177893061	177893448	SEC16 homolog B (S. cerevisiae)
9692	ENSG00000120330	ZNF648	12033.4	0.19	protein_coding	1	18203347	18203617	zinc finger protein 648
9690	ENSG00000142009	KIAA1751	12086	0.19	protein_coding	1	1853396	1853276	chromosome 1 open reading frame 222
9704	ENSG00000202081		12117.4	0.19	protein_coding	22	22901750	22909007	Uncharacterized protein
9745	ENSG00000108113	CRHR2	12149.3	0.19	protein_coding	7	30642200	30739749	corticotropin releasing hormone receptor 2
9756	ENSG00000109748	PLAZGE	12193	0.19	protein_coding	1	20246622	2025110	phospholipase A2 group IIE
9885	ENSG00000181378	CCDC108	12245.1	0.19	protein_coding	2	219887568	219906249	coiled-coil domain containing 108
9886	ENSG00000204985		8045.5	0.19	sense_intronic	11	74248757	74249486	RSF1 intronic transcript 2 (non-protein coding)
9896	ENSG00000205222		11400.6	0.19	sense_intronic	8	32039888	32040487	NR51 intronic transcript 2 (non-protein coding)
9741	ENSG00000227527	MACROD2	12146.4	0.19	sense_intronic	20	14530530	14617710	MACROD2 intronic transcript 1 (non-protein coding)
9875	ENSG00000198571		8957.1	0.19	snRNA	12	40213552	40213985	Small nuclear RNA SNOR42Z
7233	ENSG00000202525		8974.8	0.19	snRNA	5	2955307	2955491	Small nuclear RNA U109
7282	ENSG00000202517		10030.6	0.19	snRNA	3	40280099	40280232	Small nuclear RNA SNOR64/SNOR64 family
7676	ENSG00000202409		10401.7	0.19	snRNA	4	41728980	41729525	Small Cajal body specific RNA 21
8902	ENSG00000212587		11144.1	0.19	snRNA	5	40790779	40790308	Small nuclear RNA SNOR45T
8972	ENSG00000202593		11525.9	0.19	snRNA	10	93835999	93836122	Small nuclear RNA SNOR42S
2307	ENSG00000201108		30.14	0.19	snRNA	1	112193053	112193159	RNA U6 small nuclear 151, pseudogene
3161	ENSG00000202286		4959	0.19	snRNA	5	53027650	53027863	RNA U6 small nuclear 272, pseudogene
3175	ENSG00000201367		4969.4	0.19	snRNA	6	15315151	15315257	RNA U6 small nuclear 522, pseudogene
3271	ENSG00000202503		5134.7	0.19	snRNA	4	139976229	139979732	RNA U6 small nuclear 531, pseudogene
3748	ENSG00000202133		5612.5	0.19	snRNA	2	145059756	145060968	RNA U6 small nuclear 335, pseudogene
3782	ENSG00000202361		5939.6	0.19	snRNA	11	62583438	62583539	RNA U6 small nuclear 118, pseudogene
3923	ENSG00000201519		6162.3	0.19	snRNA	6	15324598	15324703	RNA U6 small nuclear 645, pseudogene
4174	ENSG00000202132		6495	0.19	snRNA	3	168776269	168776217	RNA U6 small nuclear 38, pseudogene
4404	ENSG00000202796		6855.5	0.19	snRNA	4	38622832	38622893	RNA U7 small nuclear 11, pseudogene
4988	ENSG00000202335		7853.9	0.19	snRNA	6	32320854	32320780	RNA U6 small nuclear 603, pseudogene
5140	ENSG00000202020		7825.0	0.19	snRNA	18	29617486	29617602	RNA U6 small nuclear 1050, pseudogene
5438	ENSG00000202687		8178.1	0.19	snRNA	18	797990	798136	RNA U1 small nuclear 109, pseudogene
5949	ENSG00000212207		8730	0.19	snRNA	X	41443076	41443082	RNA U6 small nuclear 132, pseudogene
6340	ENSG00000202740		9138	0.19	snRNA	18	5343187	5343187	RNA U6 small nuclear 967, pseudogene
6539	ENSG000002021748		9338.7	0.19	snRNA	9	33868538	33868635	RNA U4atac small nuclear 11, pseudogene
6540	ENSG00000202943		9339.5	0.19	snRNA	9	19073841	19073944	RNA U6 small nuclear 264, pseudogene
7658	ENSG00000202162		10139	0.19	snRNA	13	18771412	18771412	RNA U6 small nuclear 821, pseudogene
7681	ENSG000002027194		10406.1	0.19	snRNA	1	15048076	15048183	RNA U6 small nuclear 1028, pseudogene
7845	ENSG00000202604		10559.6	0.19	snRNA	3	141884296	141884397	RNA U6 small nuclear 425, pseudogene
8004	ENSG00000202588		10710	0.19	snRNA	14	76302485	76302485	RNA U6 small nuclear 46, pseudogene
8227	ENSG000002027439		10907.2	0.19	snRNA	14	99910643	99910749	RNA U6 small nuclear 10, pseudogene
8282	ENSG00000202268		10950.3	0.19	snRNA	6	86461299	86461471	RNA U4 small nuclear 72, pseudogene
8311	ENSG00000202499		10978	0.19	snRNA	14	64081614	64081614	RNA U6 small nuclear 597, pseudogene
8382	ENSG00000201598		11008	0.19	snRNA	11	17137199	17137199	RNA U6 small nuclear 593, pseudogene
8387	ENSG00000202181		11043	0.19	snRNA	1	889613	889716	RNA U6 small nuclear 1199, pseudogene
8646	ENSG00000201878		5702.8	0.19	TR_J_gene	8	23002408	23002408	T cell receptor alpha joining 10
4061	ENSG000002011878		6359.9	0.19	TR_J_gene	14	23001452	23001511	T cell receptor alpha joining 11
4701	ENSG00000203420	ZNF378P	7258.8	0.19	transcribed_unprocessed_pseudo_gene	10	43008958	43048270	zinc finger protein 378, pseudogene
7371	ENSG000002048633		10114.5	0.19	transcribed_unprocessed_pseudo_gene	4	113614815	113614948	tryptophan rich basic protein pseudogene 1
8786	ENSG000002033780	LINC00367	11367	0.19	transcribed_unprocessed_pseudo_gene	13	21512703	21523738	heterogeneous nuclear ribonucleoprotein A1 pseudogene 30
8852	ENSG000002044681	MTHFD2P1	11509.9	0.19	transcribed_unprocessed_pseudo_gene	3	95373267	95402037	methyltetrahydrofolate dehydrogenase (NADP+ dependent) 2, methyltetrahydrofolate cyclohydrolase pseudogene 1
9068	ENSG000002031546		11606.5	0.19	transcribed_unprocessed_pseudo_gene	2	237318489	237317720	ribosomal protein L3 pseudogene 5
9529	ENSG000002035438		11973.2	0.19	transcribed_unprocessed_pseudo_gene	13	21834154	21867868	estrogen-related receptor alpha pseudogene 2
2892	ENSG00000204822	HLA-J	4488.7	0.19	transcribed_unprocessed_pseudo_gene	6	29974360	29977733	major histocompatibility complex, class I, J (pseudogene)
5142	ENSG000002028860	ORA20P	7626	0.19	transcribed_unprocessed_pseudo_gene	7	143991573	143996027	olfactory receptor, family 2, subfamily A, member 9 pseudogene
5342	ENSG00000181912	ADCY10P1	8055.6	0.19	transcribed_unprocessed_pseudo_gene	6	41068781	41108571	adenylate cyclase 10 (soluble) pseudogene 1
7174	ENSG00000124224		9922.1	0.19	transcribed_unprocessed_pseudo_gene	20	56806188	56884495	protein phosphatase 4, regulatory subunit 1-like
7836	ENSG00000186704		10550.4	0.19	transcribed_unprocessed_pseudo_gene	7	78607934	78673092	deltaex homolog 2 pseudogene 1
8399	ENSG000002030267	HERCP4	11047.2	0.19	transcribed_unprocessed_pseudo_gene	16	32114566	32194344	hact domain and RLD 2 pseudogene 4
8453	ENSG000002033441		11092.4	0.19	transcribed_unprocessed_pseudo_gene	3	18381368	18382674	cytochrome P450, family 2, subfamily AB, polypeptide 1, pseudogene
8623	ENSG000002040031		11233.7	0.19	transcribed_unprocessed_pseudo_gene	7	141562660	14156337	olfactory receptor, family 9, subfamily A, member 3 pseudogene
8675	ENSG000002065060	PPY2	11268	0.19	transcribed_unprocessed_pseudo_gene	17	26574470	26575315	pancreatic polypeptide 2
8696	ENSG00000130612	CYP2G1P	11286.5	0.19	transcribed_unprocessed_pseudo_gene	19	41386731	41406413	cytochrome P450, family 2, subfamily G, polypeptide 1 pseudogene
8811	ENSG000002023760	MED15P	11396.5	0.19	transcribed_unprocessed_pseudo_gene	2	130887194	130889990	mediator complex subunit 15 pseudogene 9
9063	ENSG000002060139		11602.7	0.19	transcribed_unprocessed_pseudo_gene	15	78187026	78197016	chondroitin sulfate proteoglycan 4 pseudogene 13
9122	ENSG000002037840	FAM21FP	11650	0.19	transcribed_unprocessed_pseudo_gene	10	46201879	46222879	family with sequence similarity 21, member F, pseudogene
9183	ENSG00000153923	CLCA3P	11693.9	0.19	transcribed_unprocessed_pseudo_gene	1	87099556	87210509	chloride channel accessory 3, pseudogene
9308	ENSG000002068433	TBC1D3P5	11796.1	0.19	transcribed_unprocessed_pseudo_gene	17	25744716	25758449	TBC1 domain family, member 3 pseudogene 5
9497	ENSG000002037621		11948.5	0.19	transcribed_unprocessed_pseudo_gene	7	141586948	141587892	olfactory receptor, family 9, subfamily A, member 1 pseudogene
9629	ENSG000002027281	TMPE2P	12059.1	0.19	transcribed_unprocessed_pseudo_gene	13	52793479	52808412	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 pseudogene 2
2635	ENSG00000166405	CMAHF	4569.4	0.19	unitary_pseudogene	6	25081548	25166793	cytidine monophosphate-N-acetylneuraminic acid hydrolase, pseudogene
7105	ENSG000002024699		4667.1	0.19	unitary_pseudogene	12	11284822	11286921	ADAM metallopeptidase domain 18, pseudogene
8886	ENSG000002034512		11533.8	0.19	unitary_pseudogene	1	33831850	33834562	achille receptor 12, pseudogene
9210	ENSG00000216598		11719.6	0.19	unitary_pseudogene	6	48523837	48547879	cytochrome P450, family 2, subfamily AC, polypeptide 1, pseudogene
9217	ENSG000002043322	PTPRVP	11723.8	0.19	unitary_pseudogene	1	20217179	202198883	protein tyrosine phosphatase, receptor type, V, pseudogene
9517	ENSG000002043318	GLUCY2P	11929.6	0.19	unitary_pseudogene	10	11460769	11463162	guanylate cyclase 2c, pseudogene
4545	ENSG00000215830		7040.4	0.19	unprocessed_pseudogene	5	70438716	70585511	glucuronidase, beta pseudogene 9
7106	ENSG000002027241		9868	0.19	unprocessed_pseudogene	9	94873147	94874179	MT-ND3 pseudogene 15
7768	ENSG000002025418		10928.3	0.19	unprocessed_pseudogene	10	5164278	5177418	aldo-keto reductase family 1, member C5, pseudogene
7812	ENSG00000215480		10531.7	0.19	unprocessed_pseudogene	13	42016906	42017786	olfactory receptor, family 7, subfamily E, member 37 pseudogene
8036	ENSG000002041723		10736.5	0.19	unprocessed_pseudogene	22	23991400	23995521	argininosuccinate lyase pseudogene 1
8044	ENSG000002020241		10712.6	0.19	unprocessed_pseudogene	19	9710263	9710149	sialic acid binding Ig-like lectin 31, pseudogene
8096	ENSG00000186645	SPOVEBP	10795.6	0.19	unprocessed_pseudogene	7	76861635	76861635	specifyRINGO cell cycle regulator family member ED, pseudogene
8106	ENSG000002029435		10794.4	0.19	unprocessed_pseudogene	7	15924125	15920297	phosphatidylinositol-4-phosphate 5-kinase, type I, pseudogene 2
8419	ENSG000002027422	LOC72889	11028.1	0.19	unprocessed_pseudogene	1	14642085	146458107	neuroblastoma breakpoint family, member 13, pseudogene
8438	ENSG000002024418	FN42P	11078.1	0.19	unprocessed_pseudogene	9	21278818	21278818	interferon, alpha 22, pseudogene
8635	ENSG000002027620		11242.7	0.19	unprocessed_pseudogene	11	6752274	67528906	asparagine-linked glycoprotein 1-like B, pseudogene
8640	ENSG000002020411		11245.7	0.19	unprocessed_pseudogene	1	24783169	24783169	olfactory receptor, family 5, subfamily D, member 1 pseudogene
8659	ENSG000002023622		11259.2	0.19	unprocessed_pseudogene	6	52670411	52678258	glutathione S-transferase alpha 6, pseudogene
8665	ENSG00000187494		11262.9	0.19	unprocessed_pseudogene	17	18403886	18404348	nitric oxide synthase 2 pseudogene 2
8861	ENSG00000180714		11420.1	0.19	unprocessed_pseudogene	11	57684769	57688711	olfactory receptor, family 5, subfamily AC, member 1 pseudogene
8876	ENSG00000208598		11439	0.19	unprocessed_pseudogene	19	21246730	21247067	vitronectin 1 receptor 80 pseudogene
8935	ENSG00000189002		11496.2	0.19	unprocessed_pseudogene	3	80251466	80306665	protein S pseudogene (beta)
8966	ENSG000002033771		11540.1	0.19	unprocessed_pseudogene	1	22413517	22413818	capicua transcriptional repressor pseudogene 5
9005	ENSG00000202106		11550	0.19	unprocessed_pseudogene	9	69477881	69478916	cytochrome P450, family 4, subfamily F, polypeptide 25, pseudogene
9097	ENSG00000273423		11626.6	0.19	unprocessed_pseudogene	9	107392035	107393288	olfactory receptor, family 13, subfamily 1, member 1 pseudogene
9197	ENSG000002027623		11560.9	0.19	unprocessed_pseudogene	12	46987580	46987580	olfactory receptor, family 5, subfamily A, member 19 pseudogene
9229	ENSG000002048830	ZNF807	11729.8	0.19	unprocessed_pseudogene	19	35033367	35036300	

5246	ENSG00000289971	7948.1	0.19				
5330	ENSG00000271055	8343.3	0.19				
5692	ENSG00000216070	8341.4	0.19				
5634	ENSG00000242314	8391.9	0.19				
6054	ENSG00000270811	8411	0.19				
6744	ENSG00000257033	8513.3	0.19				
5744	ENSG00000212197	8531.4	0.19	13	100188573	100188650	RNA, R0-associated Y3 pseudogene 6
6246	ENSG00000270270	8620	0.19				
6276	ENSG00000252958	8684	0.19				
6427	ENSG00000244930	8221.6	0.19				
6523	ENSG00000221542	8322.2	0.19				
6844	ENSG00000254958	8432.6	0.19				
6656	ENSG00000236297	8444.7	0.19				
6864	ENSG00000271771	8454.4	0.19				
6868	ENSG00000252927	8474.3	0.19				
6786	ENSG00000270349	8560.4	0.19				
6814	ENSG000002041481	8585.7	0.19				
6866	ENSG00000217449	8641.9	0.19				
6991	ENSG00000228081	8763.9	0.19				
7077	ENSG00000239055	8842.9	0.19				
7091	ENSG0000023125	8932	0.19	9	131511637	131511740	Small nuclear RNA U13
7099	ENSG00000237359	8860.4	0.19	10	112326118	112326219	Small nuclear RNA U13
7148	ENSG00000220815	8889.9	0.19				
7151	ENSG00000221186	8901.6	0.19				
7163	ENSG00000272463	8913.1	0.19				
7179	ENSG000002041014	8924	0.19				
7223	ENSG00000225532	8989.9	0.19				
7232	ENSG00000286541	8977.7	0.19				
7280	ENSG00000270421	10027.6	0.19				
7295	ENSG00000225858	10040.5	0.19				
7331	ENSG00000233870	10073.9	0.19				
7342	ENSG00000204346	10083.7	0.19				
7369	ENSG00000225771	10126.2	0.19				
7433	ENSG00000267913	10173.5	0.19				
7436	ENSG00000286914	10178.2	0.19				
7472	ENSG00000225262	10214	0.19				
7478	ENSG00000272219	10223.1	0.19				
7493	ENSG00000231588	10229.4	0.19				
7537	ENSG000002054601	10279.3	0.19				
7595	ENSG00000176163	10339.5	0.19				
7612	ENSG00000227815	10349.4	0.19				
7626	ENSG00000238869	10380.3	0.19				
7645	ENSG00000239121	10380.1	0.19	16	58652579	58652668	Small nuclear RNA U13
7666	ENSG00000213279	10398.2	0.19				
1077	ENSG00000205041	10407.9	0.19				
7684	ENSG00000231072	10414	0.19				
7754	ENSG00000228423	10484.2	0.19				
7763	ENSG00000225098	10503.7	0.19				
7786	ENSG00000233385	10510.1	0.19				
7805	ENSG00000240799	10527.7	0.19				
7825	ENSG00000234605	10539.9	0.19				
7848	ENSG00000236355	10566	0.19				
7867	ENSG00000240906	10580.9	0.19				
7868	ENSG00000225126	10581.6	0.19				
7887	ENSG00000226315	10588.6	0.19				
7900	ENSG00000228291	10610.4	0.19				
7914	ENSG00000263839	10623.6	0.19				
7922	ENSG00000231061	10628.9	0.19				
7939	ENSG00000258815	10655.3	0.19				
7967	ENSG00000237508	10670.5	0.19				
7968	ENSG00000245125	10671.4	0.19				
7983	ENSG00000240271	10675.6	0.19				
7983	ENSG00000236263	10680.2	0.19				
7995	ENSG00000244907	10691.7	0.19				
7999	ENSG00000224800	10694.2	0.19				
8000	ENSG00000252098	10706	0.19				
8001	ENSG00000231363	10707.5	0.19				
8010	ENSG00000257398	10718.9	0.19				
8017	ENSG00000236153	10724.4	0.19				
8018	ENSG00000226683	10727.1	0.19				
8027	ENSG00000270612	10731.8	0.19				
8036	ENSG00000282583	10737.3	0.19				
8055	ENSG00000219132	10751.9	0.19				
8058	ENSG00000242976	10756.7	0.19				
8080	ENSG00000213956	10771.4	0.19				
8094	ENSG00000231118	10786.3	0.19				
8100	ENSG00000289955	10788.4	0.19				
8112	ENSG00000272317	10800.3	0.19				
8128	ENSG00000252268	10823.3	0.19				
8132	ENSG00000205211	10826.6	0.19				
8136	ENSG00000236075	10832.3	0.19				
8138	ENSG00000235448	10837	0.19				
8150	ENSG00000225711	10845.2	0.19				
8154	ENSG00000233933	10848.4	0.19				
8161	ENSG00000231796	10852	0.19				
8163	ENSG00000216127	10855	0.19				
8167	ENSG00000211295	10856.7	0.19				
8168	ENSG00000230133	10857.9	0.19				
8173	ENSG00000230351	10865	0.19				
8182	ENSG00000226558	10867.2	0.19				
8187	ENSG00000242624	10871.1	0.19				
8189	ENSG00000240404	10872.1	0.19				
8190	ENSG00000246936	10872.2	0.19				
8194	ENSG00000237206	10874.3	0.19				
8198	ENSG00000251766	10881.3	0.19				
8202	ENSG00000257900	10884	0.19	14	19485979	19485426	neurofibrin 1 pseudogene 4
8208	ENSG00000272592	10893.4	0.19				
8244	ENSG00000265125	10918	0.19				
8250	ENSG00000234665	10924.1	0.19				
8261	ENSG00000230362	10924.9	0.19				
8262	ENSG00000225131	10927.1	0.19				
8253	ENSG00000237316	10929	0.19				
8267	ENSG00000258959	10935.6	0.19				
8269	ENSG00000240404	10935.6	0.19				
8261	ENSG00000272241	10936.9	0.19				
8265	ENSG00000272798	10939.9	0.19				
8268	ENSG00000220268	10940.6	0.19				
8269	ENSG00000258914	10940.9	0.19				
8273	ENSG00000236127	10942.6	0.19				
8276	ENSG00000232874	10946.3	0.19				
8281	ENSG00000255885	10946.9	0.19				
8284	ENSG00000257065	10952.8	0.19				
8287	ENSG00000191254	10958	0.19				
8298	ENSG00000258573	10968.5	0.19				
8299	ENSG00000234142	10970	0.19				
8304	ENSG00000232073	10973.3	0.19				
8307	ENSG00000261356	10976.3	0.19				
8315	ENSG00000181123	10978.6	0.19				
8320	ENSG00000226071	10983.3	0.19				
8323	ENSG00000182000	10984.5	0.19	5	138852108	138852506	Uncharacterized protein
8336	ENSG00000270115	10995.4	0.19				
8338	ENSG00000281748	10996.9	0.19				
8339	ENSG00000226960	10997.3	0.19				
8343	ENSG00000249906	10998.9	0.19				
8347	ENSG00000252746	11000.4	0.19				
8348	ENSG00000258970	11003.7	0.19				
8349	ENSG00000216781	11004.3	0.19				
8351	ENSG00000204583	11005.6	0.19				
8353	ENSG00000255133	11006.3	0.19				
8364	ENSG00000255325	11007	0.19				
8361	ENSG00000236926	11014.7	0.19				
8362	ENSG00000224590	11015.1	0.19				
8368	ENSG00000233218	11019.2	0.19	1	142688379	142688925	sorting nexin 18 pseudogene 16
8370	ENSG00000236482	11026.6	0.19				
8374	ENSG00000234498	11029.6	0.19				
8375	ENSG00000233936	11030.9	0.19				
8376	ENSG00000236033	11032	0.19				
8378	ENSG00000250480	11033	0.19				
8383	ENSG00000258717	11038.1	0.19				
8388	ENSG00000287479	11046.9	0.19				
8405	ENSG00000225969	11050	0.19				
8414	ENSG00000270262	11059.4	0.19				
8416	ENSG00000298872	11060.4	0.19				
8418	ENSG00000224972	11060.7	0.19				
8422	ENSG00000248843	11066.6	0.19				
8425	ENSG00000281032	11067.5	0.19				
8426	ENSG00000118460	11067.7	0.19				
8427	ENSG00000238843	11068	0.19				
8428	ENSG00000282052	11068.2	0.19	1	156499122	156499221	Small nuclear RNA U13
8434	ENSG00000218631	11072.6	0.19				
8440	ENSG00000226129	11079.2	0.19				

8442	ENSG00000283551		11082.5	0.19					
8446	ENSG00000283564		11083.2	0.19					
8447	ENSG00000229635		11088.7	0.19					
8449	ENSG00000230223		11089.4	0.19					
8450	ENSG00000211660		11089.9	0.19					
8451	ENSG00000241105		11090.7	0.19					
8452	ENSG00000238310	1	11091.2	0.19	109750416	109750470			RNA, U7 small nuclear 122 pseudogene
8453	ENSG00000186544		11094.4	0.19					
8455	ENSG00000269265		11095	0.19					
8456	ENSG00000269590		11098	0.19					
8458	ENSG00000265288		11100.6	0.19					
8464	ENSG00000252524		11104.6	0.19					
8468	ENSG00000284050		11108.3	0.19					
8471	ENSG00000249320		11112.5	0.19					
8472	ENSG00000224691		11112.9	0.19					
8475	ENSG00000253858		11114.4	0.19					
8476	ENSG00000241456		11114.9	0.19					
8478	ENSG00000234758		11115.4	0.19					
8483	ENSG00000269360		11119.2	0.19					
8486	ENSG00000263985		11125.3	0.19					
8489	ENSG00000253117		11125.7	0.19					
8490	ENSG00000232760		11126.6	0.19					
8496	ENSG00000253975		11133	0.19					
8497	ENSG00000226776		11134.5	0.19					
8498	ENSG00000226643		11134.6	0.19					
8520	ENSG00000227158		11159.9	0.19					
8529	ENSG00000225625		11166.5	0.19					
8529	ENSG00000271166		11168.8	0.19					
8530	ENSG00000242111		11189	0.19					
8532	ENSG00000235824		11170.3	0.19					
8543	ENSG00000213470		11176.9	0.19					
8545	ENSG00000289605		11178.5	0.19	20	43234346	43248126		Uncharacterized protein
8547	ENSG00000232765		11178.6	0.19					
8551	ENSG00000258856		11182.3	0.19					
8552	ENSG00000229625		11182.7	0.19					
8553	ENSG00000211588		11183.3	0.19					
8555	ENSG00000229621		11184.7	0.19					
8556	ENSG00000219240		11185.8	0.19					
8562	ENSG00000219138		11190.9	0.19					
8566	ENSG00000285665		11192.3	0.19					
8567	ENSG00000254258		11192.7	0.19					
8574	ENSG00000225154		11192.7	0.19					
8576	ENSG00000270920		11200.1	0.19					
8593	ENSG00000257807		11209.7	0.19					
8595	ENSG00000273895		11212.6	0.19					
8598	ENSG00000248616		11213.5	0.19					
8599	ENSG00000227307		11214.3	0.19					
8600	ENSG00000251388		11214.8	0.19					
8602	ENSG00000269693		11217	0.19					
8609	ENSG00000230249		11220.6	0.19					
8613	ENSG00000235295		11226.9	0.19					
8614	ENSG00000255311		11228	0.19					
8616	ENSG00000216516		11228.2	0.19					
8617	ENSG00000219362		11229.3	0.19					
8618	ENSG00000284435		11229.4	0.19					
8621	ENSG00000258631		11231.8	0.19					
8625	ENSG00000236986		11234.4	0.19					
8630	ENSG00000257625		11240.3	0.19					
8633	ENSG00000221174		11241.6	0.19					
8636	ENSG00000287460		11244.7	0.19					
8638	ENSG00000224181		11245.3	0.19					
8643	ENSG00000248664		11247.8	0.19					
8646	ENSG00000289702		11249.4	0.19					
8649	ENSG00000211664		11251.4	0.19					
8650	ENSG00000250330		11251.6	0.19					
8651	ENSG00000253652		11252.3	0.19					
8652	ENSG00000215120		11252.5	0.19					
8653	ENSG00000227960		11253.2	0.19					
8654	ENSG00000216425		11255.2	0.19					
8656	ENSG00000265115		11258	0.19					
8657	ENSG00000233026		11258.2	0.19					
8660	ENSG000002890135		11260.3	0.19					
8661	ENSG00000268865		11260.5	0.19					
8663	ENSG00000232727		11261	0.19					
8667	ENSG00000256015		11264.1	0.19					
8670	ENSG00000269498		11266.3	0.19					
8673	ENSG00000254787		11267.4	0.19					
8680	ENSG00000258338		11272.9	0.19					
8681	ENSG00000225338		11273.3	0.19					
8685	ENSG00000253608		11274.8	0.19					
8686	ENSG00000211838		11275	0.19					
8692	ENSG00000221860	17	11276.8	0.19	7514499	7514501			Small nuclear RNA U13
8691	ENSG00000230948		11277.6	0.19					
8692	ENSG00000258694		11279.2	0.19					
8695	ENSG00000230686		11286	0.19					
8696	ENSG00000252975		11286.6	0.19					
8703	ENSG00000235267		11292.9	0.19					
8708	ENSG00000271104		11300.2	0.19					
8709	ENSG00000241981		11300.2	0.19					
8711	ENSG00000273944		11300.7	0.19					
8712	ENSG00000268121		11301.2	0.19					
8714	ENSG00000269266		11302.1	0.19					
8717	ENSG00000250421		11302.8	0.19					
8721	ENSG00000226036		11307.5	0.19					
8722	ENSG00000233968		11307.6	0.19					
8728	ENSG00000271519		11316.3	0.19					
8729	ENSG00000221553		11316.5	0.19					
8730	ENSG00000254712		11316.9	0.19					
8733	ENSG00000271547		11318.2	0.19					
8734	ENSG00000210376		11319	0.19					
8736	ENSG00000229493		11319.7	0.19					
8737	ENSG00000207643		11320.9	0.19					
8738	ENSG00000209052		11322.9	0.19					
8739	ENSG00000212112		11325.3	0.19					
8742	ENSG00000253317		11327.1	0.19					
8746	ENSG00000258171		11331.4	0.19					
8749	ENSG00000225695		11333.7	0.19					
8750	ENSG00000244561		11334.4	0.19					
8751	ENSG00000222992		11335.2	0.19					
8752	ENSG00000235215		11336.6	0.19					
8756	ENSG00000287659		11343.4	0.19					
8762	ENSG00000223651		11347.5	0.19					
8768	ENSG00000231362		11351.9	0.19					
8772	ENSG00000254648		11353.2	0.19					
8773	ENSG00000254333		11353.3	0.19					
8776	ENSG00000237645		11356.8	0.19					
8777	ENSG00000234537		11356.8	0.19					
8779	ENSG00000261419		11360.7	0.19					
8781	ENSG00000236373		11361.8	0.19					
8783	ENSG00000250277		11365.2	0.19					
8792	ENSG00000236317		11371.7	0.19					
8793	ENSG00000237656		11372.3	0.19					
8794	ENSG00000253734		11374.5	0.19					
8795	ENSG00000232517		11375.8	0.19					
8796	ENSG00000236460		11376.2	0.19					
8799	ENSG00000236923		11379.6	0.19					
8803	ENSG00000248215		11385.1	0.19					
8805	ENSG00000264561		11386.6	0.19					
8807	ENSG00000252565		11388.4	0.19					
8812	ENSG00000254566		11396.9	0.19					
8821	ENSG00000226506		11404.2	0.19					
8824	ENSG00000221748		11406.3	0.19					
8826	ENSG00000257866		11407	0.19					
8827	ENSG00000259771		11407.5	0.19					
8836	ENSG00000251426		11412.8	0.19					
8841	ENSG00000202695		11415.9	0.19					
8848	ENSG00000236299		11419.2	0.19					
8850	ENSG00000234892		11421.4	0.19					
8857	ENSG000002081399		11426.3	0.19					
8858	ENSG00000248820		11427.6	0.19					
8859	ENSG00000211221		11428.1	0.19					
8860	ENSG00000230175		11428.4	0.19					
8864	ENSG00000233703		11432.8	0.19					
8868	ENSG00000234566		11433.8	0.19	22	38181533	38181614		Small nuclear RNA U13
8870	ENSG00000228672		11434.8	0.19					
8871	ENSG00000241059		11436.3	0.19					
8873	ENSG00000254260		11437	0.19					
8874	ENSG00000225872		11437.7	0.19					
8881	ENSG00000224867		11448.9	0.19					
8885	ENSG00000221522		11452.7	0.19					
8892	ENSG00000197081	TBC1D3F	11456.6	0.19	17	36337711	36358166		TBC1 domain family, member 3

8895	ENSG00000235885		11458.4	0.19					
8903	ENSG00000235114		11466.7	0.19					
8904	ENSG00000229839		11467	0.19					
8907	ENSG00000283733		11468	0.19					
8908	ENSG00000294233		11474.2	0.19					
8909	ENSG00000236953		11474.2	0.19					
8910	ENSG00000226851		11474.9	0.19					
8911	ENSG00000240515		11476.3	0.19					
8914	ENSG00000250937		11478.7	0.19					
8919	ENSG00000229288		11483.2	0.19					
8920	ENSG00000225299		11483.3	0.19					
8923	ENSG00000234419		11484.3	0.19					
8924	ENSG00000237764		11484.9	0.19					
8926	ENSG00000226796		11485.4	0.19					
8931	ENSG00000217612		11490.5	0.19					
8933	ENSG00000260381		11494	0.19					
8936	ENSG00000234318		11497.6	0.19					
8938	ENSG00000224498		11499.1	0.19					
8941	ENSG00000226817		11501.2	0.19					
8967	ENSG00000213247		11514.6	0.19					
8969	ENSG00000212334		11518.7	0.19					
8962	ENSG00000229087		11520.1	0.19					
8963	ENSG00000228035		11520.2	0.19					
8967	ENSG00000255115		11521.6	0.19					
8969	ENSG00000203483		11523.3	0.19					
8970	ENSG00000227078		11524	0.19					
8973	ENSG00000201056		11528.2	0.19					
8974	ENSG00000288104		11528.6	0.19					
8975	ENSG00000228957		11527.4	0.19					
8978	ENSG00000229673		11528	0.19					
8981	ENSG00000270002		11529.5	0.19					
8983	ENSG00000223602		11529.8	0.19					
8984	ENSG00000214338		11530	0.19					
8985	ENSG00000270878		11530.7	0.19					
8992	ENSG00000234484		11537.6	0.19					
8997	ENSG00000204573		11541.8	0.19					
8998	ENSG000002054312	7	75209959	75210221				RNA_75L_cytosolic 642_pseudogene	
9000	ENSG00000244888		11544.9	0.19					
9004	ENSG00000226281		11548.8	0.19					
9007	ENSG00000280795		11550.3	0.19					
9009	ENSG000002286247		11551.5	0.19					
9013	ENSG00000226417		11553.4	0.19					
9014	ENSG00000272940		11554.1	0.19					
9015	ENSG00000249593		11554.3	0.19					
9016	ENSG00000204764		11555.4	0.19					
9017	ENSG00000234793		11557.1	0.19					
9018	ENSG00000222986		11557.5	0.19					
9019	ENSG00000225447		11558.7	0.19					
9021	ENSG00000212114		11560.2	0.19					
9024	ENSG00000229312		11564.5	0.19					
9026	ENSG00000251598		11565.6	0.19					
9030	ENSG00000248453		11572.2	0.19					
9032	ENSG00000250892		11575	0.19					
9037	ENSG00000239398		11578.6	0.19					
9039	ENSG00000229692		11581	0.19					
9040	ENSG0000021596		11581.8	0.19					
9042	ENSG00000289532		11582.3	0.19					
9046	ENSG00000229497		11586.7	0.19					
9047	ENSG00000226506		11587.3	0.19					
9048	ENSG00000226367		11588.4	0.19					
9050	ENSG00000226182		11589.4	0.19					
9055	ENSG00000245928		11595.5	0.19					
9056	ENSG00000241296		11595.6	0.19					
9060	ENSG00000215268		11602.7	0.19					
9065	ENSG00000287177		11604.2	0.19					
9067	ENSG00000222872		11604.9	0.19					
9074	ENSG00000221712		11609.8	0.19					
9077	ENSG00000289706		11611.7	0.19					
9085	ENSG00000232731		11616.1	0.19					
9091	ENSG00000215132		11618.6	0.19					
9093	ENSG00000233977		11621.4	0.19					
9094	ENSG00000228487		11622	0.19					
9102	ENSG00000249863		11633	0.19					
9105	ENSG00000233242		11632.7	0.19					
9107	ENSG00000223700		11633.8	0.19					
9108	ENSG00000225756		11633.9	0.19					
9111	ENSG00000248711		11638.6	0.19					
9114	ENSG00000238488		11642.5	0.19					
9116	ENSG00000225911		11645.3	0.19					
9118	ENSG00000249150		11646	0.19					
9120	ENSG00000226532		11649.7	0.19					
9127	ENSG00000231294		11653.3	0.19					
9128	ENSG00000237295		11655.5	0.19					
9133	ENSG00000255144		11658.4	0.19					
9140	ENSG00000226949		11663	0.19					
9143	ENSG00000235941		11663.6	0.19					
9144	ENSG00000229523		11663.9	0.19					
9145	ENSG00000232892		11664.6	0.19					
9150	ENSG00000236286		11670.3	0.19					
9155	ENSG00000228750		11676.2	0.19					
9158	ENSG00000224194		11676.4	0.19					
9157	ENSG00000248484		11676.6	0.19					
9159	ENSG00000186328		11678	0.19					
9162	ENSG00000280141		11678.1	0.19					
9167	ENSG00000231190		11683	0.19					
9172	ENSG00000232743		11685.6	0.19					
9181	ENSG00000226370		11693.5	0.19					
9182	ENSG00000226710		11693.9	0.19					
9184	ENSG00000224747		11695.9	0.19					
9185	ENSG00000254235		11696.6	0.19					
9186	ENSG00000217207		11698.4	0.19					
9188	ENSG000002080650		11702	0.19					
9189	ENSG00000203307		11702.5	0.19					
9190	ENSG00000214398		11702.7	0.19					
9196	ENSG00000280476		11710.4	0.19					
9198	ENSG00000226238		11712.7	0.19					
9205	ENSG00000234646		11717.7	0.19					
9206	ENSG00000228648		11717.9	0.19					
9208	ENSG00000295414		11718.1	0.19					
9211	ENSG00000226344		11720.3	0.19					
9212	ENSG00000253832		11720.6	0.19					
9214	ENSG00000232873		11722.2	0.19					
9220	ENSG00000233852		11725.6	0.19					
9225	ENSG00000271232		11727.6	0.19					
9226	ENSG00000229196		11727.7	0.19					
9227	ENSG00000234566		11727.8	0.19					
9228	ENSG00000253213		11728.8	0.19					
9232	ENSG00000227705		11731.8	0.19					
9237	ENSG00000228887		11735.1	0.19					
9240	ENSG00000232837		11736.5	0.19					
9243	ENSG00000230741		11739.8	0.19					
9249	ENSG00000251507		11748.7	0.19					
9250	ENSG00000237928		11748.9	0.19					
9254	ENSG00000281873		11751.5	0.19					
9267	ENSG00000204931		11750.6	0.19					
9268	ENSG00000221168		11751.1	0.19					
9269	ENSG00000257368		11762.3	0.19					
9270	ENSG00000240686		11763.4	0.19					
9276	ENSG00000285104		11766.1	0.19					
9278	ENSG00000206129		11770.1	0.19					
9280	ENSG00000228955		11772.4	0.19					
9281	ENSG00000240665	3	53317216	53317319				Small nuclear RNA U13	
9282	ENSG00000214759		11773.6	0.19					
9287	ENSG00000281231		11777.7	0.19					
9288	ENSG00000226939		11777.8	0.19					
9293	ENSG00000258504		11783.4	0.19					
9296	ENSG00000232848		11783.9	0.19					
9301	ENSG00000226382		11786.3	0.19					
9302	ENSG0000021596		11790.4	0.19					
9303	ENSG00000232825		11791.6	0.19					
9310	ENSG00000231261		11796.3	0.19					
9316	ENSG00000254885		11803.6	0.19					
9320	ENSG00000231159		11806.9	0.19					
9321	ENSG00000253365		11807.4	0.19					
9322	ENSG00000231031		11808.1	0.19					
9324	ENSG00000252526		11809.7	0.19					
9328	ENSG00000216291		11813.6	0.19					
9329	ENSG000002081024		11814.6	0.19					
9338	ENSG00000252323		11821.1	0.19					
9343	ENSG00000251114		11823.3	0.19					
9344	ENSG00000253247		11823.6	0.19					

4084	ENS00000203562	6363	0.18	processed_pseudogene	2	158236236	158236928	family with sequence similarity 133, member D, pseudogene	
4214	ENS00000203183	6508	0.18	processed_pseudogene	15	65087911	65087911	CCNA-NOT1 transcription complex, subunit 13, pseudogene 1	
4421	ENS00000204304	6872	0.18	processed_pseudogene	15	6873873	6873915	ribosomal protein L35a pseudogene 32	
4515	ENS00000202476	7001	0.18	processed_pseudogene	6	3304728	3304733	ribosomal protein L32 pseudogene 1	
5780	ENS00000204074	9596	0.18	processed_pseudogene	18	9516277	9516330	ribosomal protein L19 pseudogene 30	
6301	ENS00000203106	9999	0.18	processed_pseudogene	7	10812007	10812007	ribosomal protein L7, pseudogene 32	
6677	ENS000002028419	RALGAP1P	9255	0.18	processed_pseudogene	9	10824209	10824209	Rai GTPase activating protein, alpha subunit 1 (catalytic) pseudogene
6877	ENS00000203747	9653	0.18	processed_pseudogene	2	2455731	2455821	ribosomal protein L30a pseudogene 13	
7013	ENS00000203889	9786	0.18	processed_pseudogene	5	8449075	8449075	chaperonin containing TCP1, subunit 4 (beta) pseudogene 2	
7335	ENS00000204291	10077	0.18	processed_pseudogene	17	1004849	1004849	ribosomal protein L7 pseudogene 49	
7444	ENS00000202929	10098	0.18	processed_pseudogene	2	21937258	21937258	ribosomal modification (DNA directed) family member B pseudogene 2	
7571	ENS00000202782	MRS2P2	10318	0.18	processed_pseudogene	12	7224308	7224308	MRS2 pseudogene 2
7803	ENS00000204348	10523	0.18	processed_pseudogene	7	10595871	10595899	La ribonucleoprotein domain family, member 18 pseudogene 2	
8116	ENS00000202993	10936	0.18	processed_pseudogene	2	12419051	12419049	ribosomal protein L12 pseudogene 15	
8367	ENS000002026553	11018	0.18	processed_pseudogene	15	28731771	28731954	ATP-binding cassette, sub-family B (MDR/TP), member 10 pseudogene 4	
8727	ENS000002026209	11316	0.18	processed_pseudogene	10	13350445	13350447	UlnA-related protein 1	
8768	ENS000002026499	11326	0.18	processed_pseudogene	10	11159414	11159498	polymerase (RNA III) (DNA directed) polypeptide K, 12.3 kDa pseudogene 2	
8767	ENS000002031809	11351	0.18	processed_pseudogene	X	64992553	64992474	Nancy homeobox pseudogene 9	
8829	ENS00000202392	11408	0.18	processed_pseudogene	6	11107405	11107336	FUQ1 pseudogene 5	
8882	ENS000002033691	11452	0.18	processed_pseudogene	10	5248707	5248729	protein geranylgeranyltransferase type 1, beta subunit pseudogene 1	
8881	ENS000002028074	11456	0.18	processed_pseudogene	13	8781259	8781524	FCB1 pseudogene 5	
8884	ENS000002028633	11457	0.18	processed_pseudogene	13	20753117	20753801	peptidylarginine isomerase A (cyclophilin A) pseudogene 28	
8912	ENS000002028495	11476	0.18	processed_pseudogene	15	50709962	50710986	adenosylhomocysteine pseudogene 7	
8928	ENS000002018722	11488	0.18	processed_pseudogene	6	76208421	76209852	ribosomal protein L26 pseudogene 20	
9059	ENS000002025379	11599	0.18	processed_pseudogene	11	108953060	108953377	cytochrome c, somatic pseudogene 29	
9076	ENS000002017870	11603	0.18	processed_pseudogene	X	14746929	14746948	ribosomal protein L16a 1 pseudogene 11	
9087	ENS000002042280	11617	0.18	processed_pseudogene	7	14368235	14368344	SLC1A1 pseudogene 1	
9095	ENS000002049064	11625	0.18	processed_pseudogene	4	40021860	40023137	keratin 18 pseudogene 25	
9109	ENS000002025956	11635	0.18	processed_pseudogene	4	8021834	8021849	cytochrome c, somatic pseudogene 13	
9110	ENS000002029596	11637	0.18	processed_pseudogene	6	33305755	33307272	myosin, light chain 8, pseudogene	
9171	ENS000002014342	11685	0.18	processed_pseudogene	7	84367964	84368723	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit B1 pseudogene 2	
9173	ENS000002023691	11718	0.18	processed_pseudogene	8	3962168	3962168	E2F transcription factor 4, p107/130 binding pseudogene 1	
9200	ENS000002038012	11713	0.18	processed_pseudogene	1	11192913	11192913	HG1193a inducible domain family, member 1A pseudogene 12	
9207	ENS000002034864	11717	0.18	processed_pseudogene	2	209917321	20993872	heat shock 70kDa protein 8 pseudogene 6	
9255	ENS000002029700	11768	0.18	processed_pseudogene	11	16208637	16208637	proliferating cell nuclear antigen pseudogene 4	
9279	ENS000002032970	11770	0.18	processed_pseudogene	2	217021065	21702134	polymerase (DNA directed), eta pseudogene 1	
9300	ENS000002042810	11779	0.18	processed_pseudogene	3	151193562	151193662	mitochondrial ribosomal protein L42 pseudogene 6	
9396	ENS000002026591	11870	0.18	processed_pseudogene	10	70705231	70705231	actin, beta pseudogene 2	
9402	ENS000002048928	11863	0.18	processed_pseudogene	5	91139504	91140346	poly(rC) binding protein 2 pseudogene 3	
9403	ENS000002029488	11863	0.18	processed_pseudogene	15	89563301	89563277	keratin 18 pseudogene 47	
9423	ENS000002026500	11878	0.18	processed_pseudogene	11	83003989	83003989	cytochrome c, somatic pseudogene 29	
9429	ENS000002030243	11880	0.18	processed_pseudogene	13	47079253	47079571	FK506 binding protein 1A, 12kDa pseudogene 3	
9433	ENS000002042248	11882	0.18	processed_pseudogene	11	91884272	91885055	ribosomal protein L7a pseudogene 57	
9438	ENS000002026491	11883	0.18	processed_pseudogene	11	11068599	11068599	ribosomal protein S3a pseudogene 41	
9455	ENS000002033951	MIR4468	11903	0.18	processed_pseudogene	1	13789498	13789498	regulator of telomere condensation 2 pseudogene 3
9472	ENS0000020254821	11930	0.18	processed_pseudogene	11	118704555	118705205	SET pseudogene 16	
9480	ENS000002026628	11934	0.18	processed_pseudogene	1	149114655	149115188	profilin 1 pseudogene 12	
9482	ENS000002026585	11938	0.18	processed_pseudogene	13	11871742	11871810	inositol 1,3,4,5,6-tetrakisphosphate 2-kinase pseudogene 1	
9535	ENS000002016364	11978	0.18	processed_pseudogene	6	1671837	1671822	mitochondrial ribosomal protein L42 pseudogene 2	
9538	ENS000002032321	12002	0.18	processed_pseudogene	6	166148059	16614899	heterogeneous nuclear ribonucleoprotein A1 pseudogene 49	
9574	ENS000002033026	12019	0.18	processed_pseudogene	10	39745556	39745556	methionine sulfoxide reductase B1 pseudogene 1	
9578	ENS000002043872	12015	0.18	processed_pseudogene	11	67693122	67693902	ribosomal protein S3a pseudogene 40	
9595	ENS000002021444	12028	0.18	processed_pseudogene	12	22774663	22774647	ast2 (absent, small, or homeotic)-like (Drosophila) pseudogene 1	
9616	ENS000002029222	12048	0.18	processed_pseudogene	2	4851252	4851252	keratin 18 pseudogene 4	
9672	ENS000002030470	12086	0.18	processed_pseudogene	X	6209281	6210432	zinc finger RNA binding protein pseudogene 1	
9676	ENS000002030414	12100	0.18	processed_pseudogene	10	13198884	13200136	BTB (POZ) domain containing 7 pseudogene 1	
9678	ENS000002028988	12101	0.18	processed_pseudogene	4	81154113	81154093	suppression of lamotrigine 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 10	
9680	ENS000002031464	12102	0.18	processed_pseudogene	4	11132029	11132167	zinc finger RNA binding protein pseudogene 1	
9682	ENS000002028913	12104	0.18	processed_pseudogene	18	8412127	8414302	ring finger and WD repeat domain 2, E3 ubiquitin protein ligase pseudogene 1	
9686	ENS000002025686	12108	0.18	processed_pseudogene	18	141189418	141189418	ribosomal protein L7-like 1 pseudogene 13	
9690	ENS000002032626	12107	0.18	processed_pseudogene	9	30773462	30774300	keratin 18 pseudogene 68	
9693	ENS000002014288	MIR4788	12108	0.18	processed_pseudogene	3	141158447	13471553	high mobility group box 3 pseudogene 13
9699	ENS000002021921	12109	0.18	processed_pseudogene	1	13883162	13883162	Chemical binding protein 2 pseudogene 19	
9710	ENS000002031768	12121	0.18	processed_pseudogene	X	87255467	87255448	protein phosphatase 1, regulatory (inhibitor) subunit 11 pseudogene 2	
9713	ENS000002021072	12122	0.18	processed_pseudogene	1	11725455	11725457	glyceraldehyde-3-phosphate dehydrogenase pseudogene 64	
9714	ENS000002021441	12144	0.18	processed_pseudogene	2	27916	27916	vesicular 2 pseudogene 11	
9716	ENS000002028550	12124	0.18	processed_pseudogene	15	54812929	54813763	heterogeneous nuclear ribonucleoprotein A1 pseudogene 74	
9760	ENS000002027995	12165	0.18	processed_pseudogene	10	95641050	95641895	RAB11A, member RAS oncogene family pseudogene 1	
9761	ENS000002033668	12166	0.18	processed_pseudogene	10	9684163	9684163	zinc finger protein 60 pseudogene 2	
9765	ENS000002031781	12166	0.18	processed_pseudogene	7	2750158	2750258	proteasome (prosome, immunoproteasome) 26S subunit, ATPase, 1 pseudogene 2	
9775	ENS000002029303	12177	0.18	processed_pseudogene	13	46010256	46010795	peptidylarginine isomerase A (cyclophilin A) pseudogene 25	
9788	ENS000002040458	12185	0.18	processed_pseudogene	15	8483834	8483834	ribosomal protein S21 pseudogene 1	
9797	ENS000002030391	12191	0.18	processed_pseudogene	2	11622952	11622954	ribosomal protein SA pseudogene 23	
9816	ENS000002044556	12204	0.18	processed_pseudogene	7	128898843	128870581	ornithine decarboxylase pseudogene 2	
9819	ENS000002026233	12205	0.18	processed_pseudogene	11	13268173	13268173	feritin heavy subunit pseudogene 28	
9822	ENS000002022976	12215	0.18	processed_pseudogene	1	15205028	15205087	serine palmitoyltransferase, long chain base subunit 1 pseudogene 4	
9828	ENS000002029248	12218	0.18	processed_pseudogene	18	22596398	22597168	WW domain binding protein 2 pseudogene 1	
9830	ENS000002020711	12217	0.18	processed_pseudogene	6	188687885	188687885	CTAGE family, member 13, pseudogene	
9858	ENS000002028901	12240	0.18	processed_pseudogene	11	13619110	13621138	high mobility group nucleosomal binding domain 2 pseudogene 36	
9866	ENS000002031368	12245	0.18	processed_pseudogene	11	94464221	94464931	suppression of lamotrigine 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 11	
9905	ENS000002025249	12250	0.18	processed_pseudogene	13	138519383	138519383	ribosomal protein L23a pseudogene 49	
9908	ENS000002049410	12271	0.18	processed_pseudogene	5	54847713	54848382	adenylate kinase 4 pseudogene 2	
9908	ENS000002025870	12272	0.18	processed_pseudogene	15	71151053	71152001	keratin 8 pseudogene 9	
9958	ENS000002015800	12207	0.18	processed_pseudogene	2	24293522	24293605	ribosomal L26 domain containing 1 pseudogene 4	
9965	ENS000002017661	12212	0.18	processed_pseudogene	11	74262488	74262488	heterogeneous nuclear ribonucleoprotein A1 pseudogene 40	
9982	ENS000002032827	12232	0.18	processed_pseudogene	1	200182656	200183443	family with sequence similarity 58, member 8, pseudogene	
9985	ENS000002040696	12239	0.18	processed_pseudogene	10	108951016	108951083	ribosomal protein S2 pseudogene 39	
10009	ENS000002020616	12240	0.18	processed_pseudogene	10	28131158	28131401	ribosomal protein L30a pseudogene 59	
10017	ENS0000020250148	12263	0.18	processed_pseudogene	5	60003950	60004797	keratin 8 pseudogene 31	
10033	ENS000002033343	12272	0.18	processed_pseudogene	10	5547234	5547368	ATPase, H+ transporting, vesicular 13kDa, V1 subunit G1 pseudogene 4	
10061	ENS000002034325	12428	0.18	processed_pseudogene	10	12595898	12595898	ribosomal protein E2 pseudogene 8	
10102	ENS000002034111	12428	0.18	processed_pseudogene	13	31113734	31117958	RNA binding motif pseudogene 27	
10113	ENS000002049302	12435	0.18	processed_pseudogene	4	140401420	14040781	feritin, heavy polypeptide 1 pseudogene 24	
10137	ENS000002026591	12435	0.18	processed_pseudogene	2	24961949	24961959	RNA binding motif pseudogene 22	
10173	ENS000002034228	12481	0.18	processed_pseudogene	X	13420916	13421027	nucleolin pseudogene 1	
10176	ENS000002026442	12485	0.18	processed_pseudogene	10	45048993	45047363	anirpin repeat domain 54 pseudogene 1	
10186	ENS000002029011	12493	0.18	processed_pseudogene	6	19201809	19201809	high mobility group box 1 pseudogene 27	
10190	ENS0000020250862	12494	0.18	processed_pseudogene	5	123556272	123556710	high mobility group box 1 pseudogene 29	
10210	ENS000002025338	12511	0.18	processed_pseudogene	3	9642432	9644412	dual specificity phosphatase 5 pseudogene 2	
10296	ENS000002021191	12512	0.18	processed_pseudogene	2	15660147	15660147	Kruppel factor 1 (beta	

3293	ENSG00000178607	FRNT	5169	0.18	protein_coding	17	62116502	62208179	endoplasmic reticulum to nucleus signaling 1
3314	ENSG00000101778	PTFNB	5216	0.18	protein_coding	12	7056128	7056128	protein tyrosine phosphatase, non-receptor type 4
3317	ENSG00000104890	ARHGAP18	5222	0.18	protein_coding	19	7459993	7537363	Rho/Rac guanine nucleotide exchange factor (GEF) 18
3339	ENSG00000183625	CCR3	5274	0.18	protein_coding	3	46205096	46308197	chemokine (C-C motif) receptor 3
3459	ENSG00000130703	OSBP2	5472	0.18	protein_coding	20	60813589	60813589	caveolin binding protein-like 2
3478	ENSG00000128713	USP1	5475	0.18	protein_coding	14	10190941	101910747	ubiquitin transcription factor 1
3479	ENSG00000105324	FOXN3	5533	0.18	protein_coding	4	89591215	90085493	forkhead box N3
3538	ENSG00000208403	C16orf83	5564	0.18	protein_coding	19	51852862	51871363	Uncharacterized protein
3538	ENSG00000179116	TGFBF1	5670	0.18	protein_coding	9	25548704	25548704	chromosome 5 open reading frame 63
3560	ENSG00000125661	RHEBP2	5711	0.18	protein_coding	17	10466973	10466973	transforming growth factor, beta receptor 1
3560	ENSG00000109233	TBC1D10B	5715	0.18	protein_coding	17	78270099	78270099	monomelic homolog 2 (Drosophila)
3780	ENSG00000152332	UMMK1	5938	0.18	protein_coding	1	162467041	162467041	TBC1 domain family, member 28
3817	ENSG00000140299	BNIP	5988	0.18	protein_coding	15	59951345	59951345	UZAF homolog 1 (UHM) kinase
3856	ENSG00000202378	PARR12	6059	0.18	protein_coding	15	13970344	13970344	BCL2/adrenovirus E1B 19kDa interacting protein 2
3856	ENSG00000133805	AMPD3	6063	0.18	protein_coding	11	10229869	10229869	poly (ADP-ribose) polymerase family, member 12
3858	ENSG00000125232	ANKRD13D	6063	0.18	protein_coding	11	67050618	67099969	adenosine monophosphate deaminase 3
3900	ENSG00000109499	KULH4	6129	0.18	protein_coding	4	19613970	19613970	ankyrin repeat domain 13 family, member D
3933	ENSG00000134262	AFB1	6179	0.18	protein_coding	1	114437370	114447823	adaptor-related protein complex 4, beta 1 subunit
3936	ENSG00000203961	LILRA4	6185	0.18	protein_coding	19	54844456	54850421	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4
4053	ENSG00000105953	TECP2	6348	0.18	protein_coding	14	10292000	10292000	lectin beta-galactosyl repeat containing 2
4063	ENSG00000134899	ERCC5	6365	0.18	protein_coding	13	103497184	103282345	excision repair cross-complementing rodent repair deficiency, complementation group 5
4233	ENSG00000109989	EXOC1	6573	0.18	protein_coding	4	58719782	58717200	exocyst complex component 1
4240	ENSG00000121735	MIL1	6588	0.18	protein_coding	18	58338818	58413271	mucosa associated lymphoid tissue lymphoma translocation gene 1
4263	ENSG00000110066	SUV420H1	6617	0.18	protein_coding	11	67922330	67981295	suppressor of variegation 4-20 homolog 1 (Drosophila)
4329	ENSG00000185973	TMHE	6720	0.18	protein_coding	X	154719776	154899505	trimethyllysine hydrolase, epsilon
4370	ENSG00000142178	AFB3	6786	0.18	protein_coding	2	100029203	100769001	AFAP192 family, member 3
4413	ENSG00000119882	AREL1	6863	0.18	protein_coding	14	75120140	75179818	apoptosis resistant E3 ubiquitin protein ligase 1
4420	ENSG00000102710	SURF7	6872	0.18	protein_coding	13	37584349	37633850	suppressor of Ty 20 homolog (S. cerevisiae)
4423	ENSG00000109499	KULH4	6129	0.18	protein_coding	4	19613970	19613970	C2 calcium-dependent domain containing 2
4428	ENSG00000113391	FAM172A	6880	0.18	protein_coding	5	92953775	93447404	family with sequence similarity 172, member A
4457	ENSG00000109300	ANAPC4	6920	0.18	protein_coding	4	25718835	25420120	anaphase promoting complex subunit 4
4524	ENSG00000103703	TRIP2	7021	0.18	protein_coding	14	76621624	76621624	IQ motif containing GTPase activating protein 2
4544	ENSG00000105889	ZFX	7144	0.18	protein_coding	X	24187290	24234372	zinc finger protein, X-linked
4562	ENSG00000108176	ZNF750	7086	0.18	protein_coding	X	134323687	134470120	zinc finger protein 750
4593	ENSG00000108588	EGFP	7208	0.18	protein_coding	8	41332638	41332638	egf 9 family-type III domain containing factor 2
4680	ENSG00000110143	CRNK1	7167	0.18	protein_coding	2	20015012	20036600	crooked neck pre-mRNA splicing factor 2
4776	ENSG000001008720	UMC1	7350	0.18	protein_coding	5	17832006	178449634	ubiquitin interaction motif containing 1
4791	ENSG00000108295	ZNF828	7369	0.18	protein_coding	4	37931384	37931384	zinc finger, X-linked, duplicated A
4800	ENSG000002071992	TMEM58-RWDD3	7488	0.18	protein_coding	1	95583479	95712781	TMEM58-RWDD3 readthrough
4879	ENSG00000179454	KULH2B	7488	0.18	protein_coding	14	45383822	45511825	kelch-like family member 28
4881	ENSG00000105689	YAP6	7518	0.18	protein_coding	16	11818090	152410000	yeast 60 kDa specific methylesterase 2C
4905	ENSG00000142095	ZFP14	7681	0.18	protein_coding	19	38827162	38970101	ZFP14 zinc finger protein
5073	ENSG00000114423	GBL8	7734	0.18	protein_coding	3	105374305	105588396	Chi1 prote-oncogene B, E3 ubiquitin protein ligase
5157	ENSG00000119564	STPAP1	7820	0.18	protein_coding	6	14466105	14466105	glycyltransferase-like domain containing 1
5167	ENSG00000177851	ZNF575A	7875	0.18	protein_coding	10	87189472	87189472	zinc finger protein 575A
5270	ENSG00000147174	ACRC	7977	0.18	protein_coding	X	70798281	70833433	acidic repeat containing
5298	ENSG00000148534	HERC4	8057	0.18	protein_coding	10	69841695	69835105	HECT and RLD domain containing E3 ubiquitin protein ligase 4
5298	ENSG00000105496	ROR2	8061	0.18	protein_coding	10	125604835	125604835	ring finger and CCHC-type domain 2
5377	ENSG00000184877	ZBTAB4	8120	0.18	protein_coding	1	22718344	22857450	zinc finger and BTB domain containing 40
5401	ENSG00000115066	ERC2	8253	0.18	protein_coding	3	141862418	14194448	glycine kinase 6 (putative)
5467	ENSG00000109150	ERC2L2	8424	0.18	protein_coding	3	988317983	988317983	zinc finger and BTB domain containing 6
5499	ENSG00000188177	ZC3H6	8469	0.18	protein_coding	2	113033171	113076400	zinc finger CCHC-type containing 6
5628	ENSG0000010251608	PCF11	8709	0.18	protein_coding	5	98424779	98519354	Uncharacterized protein
5817	ENSG00000106494	TME2ZB	8769	0.18	protein_coding	5	82969030	82969030	PCF11 cleavage and polyadenylation factor subunit 2
6289	ENSG00000198133	TME2ZB2	9076	0.18	protein_coding	14	67913801	68004456	transmembrane protein 229B
6298	ENSG0000011523	CEP85	9308	0.18	protein_coding	2	60283500	60314138	centrosomal protein 88kDa
6301	ENSG00000119892	FAM187C	9308	0.18	protein_coding	12	92102040	92012593	family with sequence similarity 19 (chromatin (C-C motif) like), member A2
7486	ENSG00000185261	KIAA825	10229	0.18	protein_coding	5	93488871	93543409	KIAA825
7507	ENSG00000181722	ZBTB20	10242	0.18	protein_coding	3	14405841	14488810	zinc finger and BTB domain containing 20
7579	ENSG00000109251	PCF11	10251	0.18	protein_coding	5	98424779	98519354	PCF11 cleavage and polyadenylation factor subunit 2
8124	ENSG00000178404	LOC10083515	10914	0.18	protein_coding	17	76889929	76889299	Protein DDC8 homolog
8128	ENSG00000125498	KIPZD1L1	10914	0.18	protein_coding	19	55281283	55297774	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1
8249	ENSG00000109930	CHAF13	10914	0.18	protein_coding	19	24451110	24451110	chromosome 14 open reading frame 93
8382	ENSG00000180316	PNPLA1	11037	0.18	protein_coding	6	36210980	36276372	patatin-like phospholipase domain containing 1
8458	ENSG00000175746	C15orf94	11188	0.18	protein_coding	15	39542885	39547046	chromosome 15 open reading frame 54
8475	ENSG00000201024	TME2Z4	11188	0.18	protein_coding	17	67047811	67172377	chromosome 17 open reading frame 102
8671	ENSG00000203756	TME2Z4	11265	0.18	protein_coding	6	13015239	130182892	transmembrane protein 244
8743	ENSG000001025730	IFAR3	11359	0.18	protein_coding	19	41856728	41913006	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial; Uncharacterized protein
8802	ENSG00000105697	IFAR3	11359	0.18	protein_coding	19	41856728	41913006	2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial; Uncharacterized protein
9001	ENSG00000111886	GABRR2	11597	0.18	protein_coding	6	89966627	90025018	gamma-aminobutyric acid (GABA) A receptor, rho 2
9100	ENSG00000102442	IFNA5	11630	0.18	protein_coding	6	31664739	31681849	Uncharacterized protein
9141	ENSG00000101873	IFNA5	11630	0.18	protein_coding	6	31664739	31681849	Uncharacterized protein
9239	ENSG00000139537	CCDC85	11736	0.18	protein_coding	12	21386313	21386313	interleukin, alpha 5
9382	ENSG00000149838	CLEC1B	11827	0.18	protein_coding	16	74442929	74455368	collet-coil domain containing 85
9392	ENSG00000177868	MYT3	11835	0.18	protein_coding	16	14148383	14148383	C-type lectin domain family 18, member B
9400	ENSG00000173302	GPR148	11867	0.18	protein_coding	2	13148943	131487909	G protein-coupled receptor 148
9441	ENSG000002022001	11880	11880	0.18	protein_coding	2	23387324	23388085	Uncharacterized protein
9561	ENSG00000104298	IL3	12017	0.18	protein_coding	13	13132082	13132082	interleukin 3 (colony-stimulating factor, multiple)
9565	ENSG00000109110	POU4F3	12007	0.18	protein_coding	5	14571587	145720083	POU class 4 homeobox 3
9600	ENSG00000186271	KULH33	12007	0.18	protein_coding	14	20936970	20936970	kelch-like family member 33
9607	ENSG00000105070	IL3	12017	0.18	protein_coding	13	13132082	13132082	interleukin 3 (colony-stimulating factor, multiple)
9608	ENSG00000136996	IL36	12038	0.18	protein_coding	2	11373958	113810444	small intestine membrane protein 9
9623	ENSG00000125337	KIF25	12051	0.18	protein_coding	6	16836621	16844579	interleukin 36, beta
9633	ENSG00000115353	TACR1	12059	0.18	protein_coding	2	75212090	75212090	kinesin family member 25
9667	ENSG00000105303	FRMD1	12062	0.18	protein_coding	12	16842425	16842425	FERM domain containing 1
9681	ENSG00000108759	KRT12	12102	0.18	protein_coding	17	39610063	39623881	keratin 12
9715	ENSG00000206884	12123	12123	0.18	protein_coding	2	23897656	23903953	USBP2_SGLY readthrough (NM0 candidate)
9729	ENSG00000109305	HTRB3	12123	0.18	protein_coding	11	113776389	113776389	5-hydroxytryptamine receptor 3B, ionotropic
9758	ENSG00000184933	OR8A2	12163	0.18	protein_coding	11	6817576	6817128	olfactory receptor, family 8, subfamily A, member 2
967	ENSG00000189738	12216	12216	0.18	protein_coding	2	24046695	24050748	Uncharacterized protein; cDNA FLJ4596 fl. clone FLJ4596.1/4596
9836	ENSG00000104346	12230	12230	0.18	protein_coding	1	75510000	75510000	Uncharacterized protein
9848	ENSG00000177234	12230	12230	0.18	protein_coding	10	122327721	122329629	chromosome 10 open reading frame 85
9874	ENSG00000173876	OR1L1	12249	0.18	protein_coding	16	12524248	12524247	olfactory receptor, family 1, subfamily L, member 1
9890	ENSG00000173868	KRT28	12249	0.18	protein_coding	18	38842868	38842868	keratin 28
9893	ENSG00000197046	SIGLEC15	12258	0.18	protein_coding	18	4340477	43424405	sialic acid binding Ig-like lectin 15
10006	ENSG00000108209	C6orf8	12294	0.18	protein_coding</				

7867	ENSG00000206855	10333	1	0.18	snRNA	10	70871409	70871515	RNA, U6 small nuclear 571, pseudogene
4768	ENSG00000202071	12389	1	0.18	snRNA	11	10584553	10584658	RNA, U6 small nuclear 277, pseudogene
9368	ENSG00000253032	11839	6	0.18	snRNA	5	55421498	55421597	RNA, U6 small nuclear 295, pseudogene
9619	ENSG00000252658	11864	9	0.18	snRNA	6	15835200	15835289	RNA, U6 small nuclear 786, pseudogene
9625	ENSG00000242572	11871	3	0.18	snRNA	18	9617862	9618070	RNA, U6 small nuclear 803, pseudogene
9653	ENSG00000252338	11595	3	0.18	snRNA	18	71597333	71597431	RNA, U6 small nuclear 1081, pseudogene
9637	ENSG00000252410	12065	9	0.18	snRNA	3	45075866	45075966	RNA, U6 small nuclear 3, pseudogene
9709	ENSG00000244989	12120	2	0.18	snRNA	17	54498531	54498627	RNA, U6 small nuclear 1158, pseudogene
9766	ENSG00000222363	12366	5	0.18	snRNA	1	17488955	17489052	RNA, U6 small nuclear 773, pseudogene
10235	ENSG00000252584	12209	9	0.18	snRNA	17	27715578	27715674	RNA, U6 small nuclear 34, pseudogene
10261	ENSG00000252584	12209	9	0.18	snRNA	17	53429928	53429992	RNA, U6 small nuclear 840, pseudogene
10350	ENSG00000200759	12553	4	0.18	snRNA	2	23892030	23892096	RNA, U6 small nuclear 864, pseudogene
10396	ENSG00000207169	12684	2	0.18	snRNA	1	15098522	15098598	RNA, U6 small nuclear 884, pseudogene
3240	ENSG00000211860	5985	8	0.18	TR, U_gene	17	74333397	74333503	RNA, U6 small nuclear 24, pseudogene
6882	ENSG00000252902	9478	9	0.18	TR, V_gene	14	22636325	22636884	T cell receptor alpha variant 49 T cell receptor alpha variable 30
9491	ENSG00000241104	LOC284344	11940	9	transcribed_unprocessed_pseudo_gene	19	43715943	43782798	carcinoembryonic antigen-related cell adhesion molecule 10
10160	ENSG000002025514	12473	8	0.18	transcribed_unprocessed_pseudo_gene	1	47630182	47631592	MT-ND1 pseudogene 34
10330	ENSG00000242412	DBILP2	12595	9	transcribed_unprocessed_pseudo_gene	2	63344966	63346677	diazepam binding inhibitor-like 5 pseudogene 2
3467	ENSG00000203006	ANKRD36BP2	6082	9	transcribed_unprocessed_pseudo_gene	2	89065324	89106126	ankyrin repeat domain 36B pseudogene 2
4829	ENSG00000259249	UBE2Q2P2	8863	8	transcribed_unprocessed_pseudo_gene	15	83023847	83088805	ubiquitin-conjugating enzyme E2Q family member 2 pseudogene 3
4893	ENSG00000186874	FAM35BP	7227	5	transcribed_unprocessed_pseudo_gene	10	46887592	46899143	family with sequence similarity 35, member B, pseudogene
7320	ENSG00000251474	RPL32P3	10062	8	transcribed_unprocessed_pseudo_gene	3	129101765	129118498	ribosomal protein L32 pseudogene 3
8343	ENSG00000185485	SDHAP1	10986	8	transcribed_unprocessed_pseudo_gene	3	19586619	19571789	succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 1
8385	ENSG00000257122	RNRN3P	11042	4	transcribed_unprocessed_pseudo_gene	16	22430090	22449036	RNA polymerase I transcription factor homolog (S. cerevisiae) pseudogene 3
8628	ENSG00000131797	CLUH3P	11237	9	transcribed_unprocessed_pseudo_gene	16	31711911	31721097	clustered mitochondria (dubALCU1) homolog pseudogene 3
8840	ENSG00000203878	CHAP2	11415	7	transcribed_unprocessed_pseudo_gene	1	111822681	111828738	chitinase, acidic pseudogene 2
9485	ENSG00000196970	NXF4	11938	8	transcribed_unprocessed_pseudo_gene	X	101804893	10182623	nuclear RNA export factor 4 pseudogene
9568	ENSG00000226057	NXF4	12008	8	transcribed_unprocessed_pseudo_gene	13	19520865	19636858	PHD finger protein 2 pseudogene 2
9646	ENSG00000259860	DNM1	12071	9	transcribed_unprocessed_pseudo_gene	15	102291235	102334505	DNM1 pseudogene 47
10082	ENSG00000179994	SPDYETP	12410	6	transcribed_unprocessed_pseudo_gene	7	72333321	72341076	speedyRINGO cell cycle regulator family member E7, pseudogene
10090	ENSG00000214514	KRT42P	12418	8	transcribed_unprocessed_pseudo_gene	17	39782579	39796451	keratin 42 pseudogene
10121	ENSG00000182048	TRPC2	12442	2	transcribed_unprocessed_pseudo_gene	11	3631131	3658789	transient receptor potential cation channel, subfamily C, member 2, pseudogene
10885	ENSG00000175676	GOLGA8P	12883	8	transcribed_unprocessed_pseudo_gene	15	23435066	23448420	golgin A8 family, member E, pseudogene
9448	ENSG00000236965	11887	0.18	unary_pseudogene	11	5821594	5822090	offcary receptor, family 52, subfamily N, member 3 pseudogene	
10127	ENSG00000230447	12448	0.18	unary_pseudogene	18	30915669	30915529	cardiotrophin 2, pseudogene	
10244	ENSG00000204949	NRADDP	12451	0.18	unary_pseudogene	3	47053032	47054636	neurotrophin receptor associated death domain, pseudogene
10459	ENSG00000215834	FM3QP	12474	0.18	unary_pseudogene	1	166572912	166600337	flavin containing monooxygenase 9 pseudogene
10566	ENSG00000178073	TAAR3	12775	0.18	unary_pseudogene	6	12509384	12509441	trace amine associated receptor 3 (gene/pseudogene)
8981	ENSG00000202368	10714	0.18	unary_pseudogene	4	6862198	6862872	transmembrane protease, member 11C, pseudogene	
8803	ENSG00000208510	11380	0.18	unary_pseudogene	19	38727073	38727933	interferon, lambda 3 pseudogene 1	
8883	ENSG00000255303	11422	0.18	unary_pseudogene	11	57633770	57634751	offcary receptor, family 5, subfamily BA, member 1 pseudogene	
9116	ENSG00000215481	11450	0.18	unary_pseudogene	2	7128168	71291024	offcary receptor, family 5, subfamily E, member 91 pseudogene	
9195	ENSG00000189014	11709	0.18	unary_pseudogene	10	47379727	47420172	family with sequence similarity 35, member D, pseudogene	
9216	ENSG00000230549	11722	9	0.18	unary_pseudogene	8	7189609	7191501	ubiquitin specific peptidase 17-like family member 1, pseudogene
9231	ENSG00000202146	11732	4	0.18	unary_pseudogene	10	81631031	81633069	cathepsin 1, pseudogene 6
9632	ENSG00000242296	DEFB109P1	11756	6	unary_pseudogene	8	12250718	12257875	defensin, beta 109, pseudogene 1
9810	ENSG00000225851	11800	7	0.18	unary_pseudogene	6	31348851	31350065	major histocompatibility complex, class I, S (pseudogene)
9822	ENSG00000207498	11821	2	0.18	unary_pseudogene	19	15871051	15890719	cytochrome P450, family 4, subfamily F, polypeptide 24, pseudogene
9443	ENSG00000181884	GOLGA8CP	11862	7	unary_pseudogene	15	20781700	20781019	golgin A8 family, member C, pseudogene
9499	ENSG00000257792	11825	7	0.18	unary_pseudogene	12	48788293	48789175	offcary receptor, family 5, subfamily BJ, member 1 pseudogene
9628	ENSG00000259414	12354	3	0.18	unary_pseudogene	15	23380289	23380667	hect domain and RLD 2 pseudogene 7
9639	ENSG00000237257	12067	3	0.18	unary_pseudogene	9	81356636	81357460	MT-ND2 pseudogene 8
9687	ENSG00000258024	12107	3	0.18	unary_pseudogene	12	48779200	48780048	offcary receptor, family 5, subfamily BT, member 1 pseudogene
9785	ENSG00000158403	12182	5	0.18	unary_pseudogene	9	13810029	13810393	opsolin 1, pseudogene 1
9802	ENSG00000233566	12194	5	0.18	unary_pseudogene	7	83028121	83045453	intradubule repeat containing 18 pseudogene 2
9888	ENSG00000242435	12259	2	0.18	unary_pseudogene	22	18345912	18345362	neurofilament 1 pseudogene 8
9894	ENSG00000202529	12289	13	0.18	unary_pseudogene	13	25517713	25518838	soluble carrier family 25 (mitochondrial carrier/oxalate transporter) member 15 pseudogene 3
9921	ENSG00000231561	12378	9	0.18	unary_pseudogene	19	43158352	43172228	carcinoembryonic antigen-related cell adhesion molecule pseudogene 5
9967	ENSG000002081548	12313	7	0.18	unary_pseudogene	6	28788192	28770202	major histocompatibility complex, class I, P (pseudogene)
9983	ENSG000002018540	12316	8	0.18	unary_pseudogene	1	24772845	24778372	offcary receptor, family 14, subfamily I, member 1 pseudogene
10047	ENSG00000259884	12384	9	0.18	unary_pseudogene	15	21355634	21372886	BMS1 pseudogene 18
10132	ENSG00000236161	12449	5	0.18	unary_pseudogene	11	3628225	3621936	offcary receptor, family 7, subfamily E, member 117 pseudogene
10147	ENSG00000202578	12459	8	0.18	unary_pseudogene	9	9355409	9355562	offcary receptor, family 7, subfamily E, member 109 pseudogene
10158	ENSG000002048159	12469	6	0.18	unary_pseudogene	8	30054898	30095513	heat shock 70Da protein 8 pseudogene 11
10216	ENSG00000218016	12520	9	0.18	unary_pseudogene	6	2815528	2815720	zinc finger protein 192 pseudogene 2
10220	ENSG00000186543	12522	2	0.18	unary_pseudogene	1	17168811	17169461	iliary rodlet coiled-coil, rodletin pseudogene 5
10304	ENSG00000237161	12578	4	0.18	unary_pseudogene	1	15591015	15592105	meiso toxin member 2, pseudogene
10352	ENSG00000233963	12613	13	0.18	unary_pseudogene	13	26688547	26728313	ATPase, aminophospholipid transporter, class 1, type 8A, member 2 pseudogene 3
10511	ENSG00000202981	12745	7	0.18	unary_pseudogene	4	4145185	4152148	unc-93 homolog, B4 pseudogene (C, eteign)
10751	ENSG00000201716	12845	5	0.18	unary_pseudogene	11	7749262	7750265	offcary receptor, family 10, subfamily AB, member 1 pseudogene
10835	ENSG00000230122	13015	9	0.18	unary_pseudogene	2	233214464	233216919	endothelin converting enzyme-like 1, pseudogene 3
2480	ENSG00000260335	3069	9	0.18	unary_pseudogene	11	6533866	6533947	Uncharacterized protein
2483	ENSG00000260118	3807	8	0.18	unary_pseudogene	10	51565108	51569734	nuclear receptor coactivator 4
2492	ENSG00000136293	NCGM4	4058	0.18	unary_pseudogene	11	6533866	6533947	Uncharacterized protein
2624	ENSG00000202576	4533	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3338	ENSG00000202788	5226	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3383	ENSG00000199880	5338	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3444	ENSG00000202928	5428	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3518	ENSG00000202683	5522	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3532	ENSG00000202584	5547	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3546	ENSG000002024571	5566	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3584	ENSG00000217120	5614	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3636	ENSG000002073017	5703	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3776	ENSG000002024116	5890	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3784	ENSG00000211975	5946	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
3848	ENSG00000258985	6056	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4045	ENSG000002024883	6328	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4074	ENSG000002029303	6374	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4079	ENSG000002041612	6378	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4257	ENSG000002024788	6607	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4285	ENSG000002023318	6663	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4316	ENSG00000202036	6706	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4498	ENSG00000202151	6970	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4603	ENSG00000202566	7182	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
4855	ENSG00000202686	7463	0.18	unary_pseudogene	14	35402650	35402749	Y RNA	
5014	ENSG000002072888	7870	9	0.18	unary_pseudogene	14	35402650	35402749	Y RNA
5028	ENSG000002023118	7886	9	0.18	unary_pseudogene	14	35402650	35402749	Y RNA
5072	ENSG0000020								

7854	ENSG00000262038	10571.4	0.18						
7858	ENSG00000234478	10575.3	0.18						
7877	ENSG00000251981	10588.4	0.18						
7912	ENSG000002027133	10622.6	0.18	15	80434400	80434469			Small nuclear RNA SNORD112
7964	ENSG00000266604	10660.4	0.18						
7969	ENSG00000297174	10703.4	0.18						
8005	ENSG00000234478	10713.5	0.18						
8118	ENSG00000246553	10810.1	0.18						
8134	ENSG00000293911	10829.9	0.18						
8178	ENSG00000279528	10864.4	0.18						
8184	ENSG00000255552	10868.9	0.18						
8206	ENSG00000257172	10886.6	0.18						
8239	ENSG00000222197	10915.4	0.18						
8271	ENSG00000202400	10941.2	0.18						
8366	ENSG00000292895	11017.1	0.18						
8424	ENSG00000271500	11087.4	0.18						
8482	ENSG00000244571	11118.6	0.18						
8513	ENSG00000254933	11151.5	0.18						
8549	ENSG00000266965	11179.4	0.18						
8587	ENSG00000202211	11206.4	0.18						
8597	ENSG00000272158	11213.5	0.18						
8642	ENSG00000248145	11246.4	0.18						
8686	ENSG00000257877	11283.9	0.18						
8699	ENSG00000222628	11295.1	0.18						
8887	ENSG00000220154	11278.3	0.18						
8704	ENSG00000248763	11295.2	0.18						
8729	ENSG00000293931	11310.3	0.18						
8748	ENSG00000272356	11333.4	0.18						
8765	ENSG000002022121	11350.3	0.18						
8785	ENSG000002025264	11386.7	0.18						
8789	ENSG00000260953	11389.7	0.18						
8798	ENSG00000298072	11378.5	0.18						
8810	ENSG00000292393	11384.5	0.18						
8813	ENSG00000222032	11397.1	0.18						
8822	ENSG00000296479	11405.4	0.18						
8823	ENSG00000254648	11405.8	0.18	14	126787368	126787904			immunoglobulin heavy variable 3-29 (pseudogene)
8830	ENSG00000230570	11409.5	0.18						
8855	ENSG00000296373	11423.2	0.18						
8887	ENSG00000292783	11433.4	0.18						
8887	ENSG00000231464	11455.4	0.18						
8888	ENSG00000296274	11455.3	0.18						
8915	ENSG00000292498	11470.7	0.18	4	184250451	184250554			Small nuclear RNA U13
8939	ENSG00000255340	11499.6	0.18						
8942	ENSG00000241400	11501.5	0.18						
8944	ENSG00000296490	11502.7	0.18						
8960	ENSG00000272158	11518.6	0.18						
8977	ENSG00000252058	11527.9	0.18	20	4863030	4863122			Small nuclear RNA U13
8980	ENSG00000296980	11528.5	0.18						
9001	ENSG00000290908	11546.6	0.18						
9028	ENSG00000224942	11570.4	0.18						
9058	ENSG000002445502	11599.4	0.18						
9090	ENSG00000203118	11599.6	0.18						
9066	ENSG00000203428	11604.7	0.18						
9071	ENSG00000236045	11607.9	0.18						
9084	ENSG00000251657	11615.4	0.18						
9084	ENSG00000271250	11615.1	0.18						
9088	ENSG00000295803	11630.4	0.18						
9101	ENSG00000292878	11630.9	0.18	18	77275812	77276267			Uncharacterized protein
9103	ENSG00000228553	11631.3	0.18						
9148	ENSG00000237419	11669.4	0.18						
9152	ENSG00000231815	11673.5	0.18						
9153	ENSG00000254038	11673.9	0.18						
9185	ENSG00000258857	11681.5	0.18						
9170	ENSG00000293911	11684.1	0.18						
9194	ENSG00000272799	11706.4	0.18						
9215	ENSG00000227671	11722.6	0.18						
9222	ENSG00000222526	11726.6	0.18						
9234	ENSG00000238288	11733.3	0.18						
9238	ENSG00000211482	11735.2	0.18						
9251	ENSG00000231448	11749.6	0.18						
9253	ENSG00000230638	11757.4	0.18						
9256	ENSG00000236576	11753.3	0.18	1	220310506	220310608			Small nuclear RNA U13
9260	ENSG00000255128	11758.3	0.18						
9264	ENSG00000229282	11757.4	0.18						
9284	ENSG00000296809	11775.6	0.18						
9286	ENSG00000254448	11777.7	0.18						
9305	ENSG00000298885	11792.3	0.18						
9339	ENSG00000296582	11821.5	0.18						
9340	ENSG00000296768	11821.8	0.18						
9341	ENSG00000281030	11822.1	0.18						
9342	ENSG00000234323	11822.7	0.18						
9360	ENSG00000254398	11834.3	0.18						
9369	ENSG00000273428	11840.4	0.18						
9372	ENSG00000248376	11842.6	0.18	14	24778161	24781252			Leukotriene B4 receptor 2
9377	ENSG00000272698	11846.4	0.18						
9379	ENSG00000222456	11849.4	0.18						
9384	ENSG00000286445	11854.6	0.18						
9388	ENSG00000236887	11855.5	0.18						
9389	ENSG00000203162	11856.1	0.18						
9393	ENSG00000240791	11857.7	0.18						
9407	ENSG00000243190	11865.4	0.18						
9408	ENSG00000293911	11865.3	0.18						
9409	ENSG000001986400	11867.1	0.18	9	69252845	69254032			HDCMB45P: Uncharacterized protein
9426	ENSG00000221286	11880.4	0.18						
9430	ENSG00000203425	11881.4	0.18						
9435	ENSG00000255827	11884.1	0.18						
9438	ENSG00000296148	11888.6	0.18						
9442	ENSG00000296274	11892.1	0.18						
9444	ENSG00000263946	11892.9	0.18						
9450	ENSG00000270273	11899.6	0.18						
9453	ENSG00000232909	11902.4	0.18						
9456	ENSG00000253983	11907.9	0.18						
9459	ENSG00000236107	11912.2	0.18						
9460	ENSG00000230663	11912.3	0.18						
9462	ENSG00000256404	11914.6	0.18						
9463	ENSG00000250481	11915.7	0.18						
9466	ENSG00000230927	11920.2	0.18						
9472	ENSG00000241913	11928.6	0.18						
9477	ENSG00000157306	11933.2	0.18						
9479	ENSG00000295475	11933.3	0.18						
9490	ENSG00000248752	11940.9	0.18						
9493	ENSG00000298156	11943.2	0.18						
9496	ENSG00000232762	11947.5	0.18						
9501	ENSG00000243072	11949.7	0.18						
9509	ENSG00000253123	11957.6	0.18						
9512	ENSG00000232374	11961.1	0.18						
9518	ENSG00000230932	11963.7	0.18						
9520	ENSG00000297388	11966.4	0.18						
9521	ENSG00000287793	11967.3	0.18						
9523	ENSG00000251630	11970.6	0.18						
9524	ENSG00000235440	11970.9	0.18						
9530	ENSG00000236887	11973.8	0.18						
9531	ENSG00000227430	11974.5	0.18						
9532	ENSG00000237953	11977.1	0.18						
9545	ENSG00000296911	11982.4	0.18						
9556	ENSG00000232920	11988.1	0.18						
9559	ENSG00000258183	12002.8	0.18						
9562	ENSG00000234240	12004.3	0.18						
9563	ENSG00000285289	12004.4	0.18						
9569	ENSG00000268473	12008.9	0.18						
9570	ENSG00000232325	12009.4	0.18						
9571	ENSG00000271715	12009.5	0.18						
9572	ENSG00000258513	12009.3	0.18						
9576	ENSG00000270984	12013.9	0.18						
9596	ENSG00000245132	12025.2	0.18						
9592	ENSG00000223786	12025.4	0.18						
9597	ENSG00000251777	12029.6	0.18						
9599	ENSG00000229169	12030.2	0.18						
9605	ENSG00000250781	12037.2	0.18						
9610	ENSG00000270110	12041.4	0.18						
9611	ENSG00000230638	12042.4	0.18						
9615	ENSG00000248073	12045.1	0.18						
9625	ENSG00000229402	12052.3	0.18						
9633	ENSG00000233933	12062.4	0.18						
9638	ENSG00000268427	12066.4	0.18						
9641	ENSG00000226410	12067.5	0.18						
9642	ENSG00000250644	12067.9	0.18						
9647	ENSG00000272626	12072.8	0.18						
9649	ENSG00000229881	12074.7	0.18						
9653	ENSG00000206343	12080.3	0.18	14	91614372	91614663			RNA 75L_cytoplasmic 506_pseudogene
9654	ENSG00000232466	12080.5	0.18						

9664	ENSG00000244470		12088.2	0.18					
9665	ENSG00000243559		12088.3	0.18					
9667	ENSG00000202220		12091.4	0.18	8	74892019	74892112		Y RNA
9672	ENSG00000249219		12098.7	0.18					
9673	ENSG00000203613		12098.8	0.18					
9677	ENSG00000203263		12101	0.18					
9685	ENSG00000237858		12106.3	0.18					
9688	ENSG00000202522		12107.3	0.18					
9689	ENSG00000202544		12107.6	0.18					
9692	ENSG00000237473		12107.9	0.18					
9698	ENSG00000202678		12110	0.18					
9698	ENSG00000214725		12111.7	0.18					
9700	ENSG00000254265		12114.1	0.18					
9701	ENSG00000202528		12114.2	0.18					
9706	ENSG00000217195		12117.8	0.18					
9707	ENSG00000225676		12119.2	0.18					
9711	ENSG00000202584		12121.4	0.18					
9712	ENSG00000202712		12121.8	0.18					
9729	ENSG00000204130		12136.5	0.18					
9731	ENSG00000217410		12138.7	0.18					
9732	ENSG00000202326		12140.1	0.18					
9735	ENSG00000202851		12142.3	0.18					
9739	ENSG00000204817		12145.2	0.18					
9740	ENSG00000202275		12146.1	0.18					
9746	ENSG00000202495		12148.8	0.18					
9747	ENSG00000238276		12150.7	0.18					
9748	ENSG00000202787		12152	0.18					
9749	ENSG00000208148		12153.4	0.18					
9750	ENSG00000208278		12154.1	0.18					
9752	ENSG00000202113		12155.9	0.18					
9755	ENSG00000202758		12159.7	0.18					
9763	ENSG00000202961		12165.8	0.18					
9764	ENSG00000202758		12165.9	0.18					
9767	ENSG00000202070		12168.4	0.18					
9768	ENSG00000202128		12170.6	0.18					
9769	ENSG00000202091		12170.8	0.18					
9770	ENSG00000202380		12171.3	0.18					
9774	ENSG00000202468		12173.8	0.18					
9776	ENSG00000202053		12174.8	0.18					
9778	ENSG00000208508		12176.7	0.18					
9779	ENSG00000202025		12177	0.18					
9780	ENSG00000202589		12177.1	0.18					
9781	ENSG00000202478		12177.9	0.18					
9783	ENSG00000202741		12180.3	0.18					
9784	ENSG00000202055		12181.8	0.18					
9786	ENSG00000202355		12182.5	0.18					
9787	ENSG00000204015		12184.2	0.18					
9789	ENSG00000204984		12186.7	0.18					
9790	ENSG00000202058		12186.8	0.18					
9792	ENSG00000204350		12189	0.18					
9795	ENSG00000202191		12190.9	0.18					
9798	ENSG00000204104		12192	0.18					
9801	ENSG00000202400		12193.5	0.18					
9803	ENSG00000191934		12194.5	0.18					
9809	ENSG00000202956		12201.5	0.18					
9812	ENSG00000202709		12202.5	0.18					
9814	ENSG00000202807		12204.3	0.18					
9821	ENSG00000202728		12214.4	0.18					
9824	ENSG00000204038		12216.3	0.18					
9826	ENSG00000202587		12218.3	0.18					
9828	ENSG00000202524		12220.5	0.18					
9832	ENSG00000202857		12221.1	0.18					
9835	ENSG00000204798		12222.2	0.18					
9838	ENSG00000204688		12224.5	0.18					
9839	ENSG00000202590		12224.9	0.18					
9841	ENSG00000204243		12227.2	0.18					
9842	ENSG00000204458		12228.5	0.18					
9844	ENSG00000204223		12229.1	0.18					
9847	ENSG00000202178		12229.8	0.18					
9849	ENSG00000202247		12231.1	0.18					
9852	ENSG00000202760		12235.6	0.18					
9854	ENSG00000202731		12237.8	0.18					
9859	ENSG00000202524		12242.4	0.18					
9860	ENSG00000204825		12243.8	0.18					
9861	ENSG00000204950		12244.3	0.18					
9863	ENSG00000202655		12244.7	0.18					
9864	ENSG00000202871		12245	0.18					
9867	ENSG00000202704		12248.8	0.18					
9868	ENSG00000204122		12247.1	0.18					
9871	ENSG00000202942		12248.5	0.18					
9875	ENSG00000204939		12250	0.18					
9876	ENSG00000202758		12251.3	0.18					
9883	ENSG00000204130		12256.4	0.18					
9885	ENSG00000202883		12258.3	0.18					
9887	ENSG00000202488		12259.1	0.18					
9889	ENSG00000202925		12260.1	0.18					
9895	ENSG00000204187		12263.8	0.18					
9898	ENSG00000204650		12266.5	0.18					
9902	ENSG00000204284		12268.6	0.18					
9909	ENSG00000202573		12272	0.18					
9918	ENSG00000204646		12278	0.18					
9920	ENSG00000202710		12278	0.18					
9923	ENSG00000202637		12279.4	0.18					
9927	ENSG00000202721		12281.2	0.18					
9928	ENSG00000202895		12283.3	0.18					
9930	ENSG00000202380		12287.4	0.18					
9932	ENSG00000202723		12288.5	0.18					
9934	ENSG00000202452		12289.4	0.18					
9939	ENSG00000202407		12292.8	0.18					
9941	ENSG00000202730		12293.1	0.18					
9942	ENSG00000202140		12293.7	0.18					
9944	ENSG00000208718		12295.6	0.18					
9947	ENSG00000204319		12300.9	0.18					
9949	ENSG00000204547		12302.8	0.18					
9950	ENSG00000202345		12303.1	0.18					
9953	ENSG00000208148		12308.6	0.18					
9955	ENSG00000202015		12307	0.18					
9960	ENSG00000202088		12308	0.18					
9961	ENSG00000202092		12308	0.18					
9963	ENSG00000202925		12309.5	0.18					
9964	ENSG00000204284	TBC1D3H	12310.3	0.18	17	34581086	34808061		TBC1 domain family, member 3H
9969	ENSG00000202703		12317.4	0.18					
9973	ENSG00000202465		12321.3	0.18					
9981	ENSG00000202703		12328.7	0.18					
9982	ENSG00000204204		12330.3	0.18					
9984	ENSG00000202524		12332.8	0.18					
9986	ENSG00000204148		12334	0.18					
9987	ENSG00000202124		12334.8	0.18					
9988	ENSG00000204458		12337.2	0.18					
9989	ENSG00000202127		12337.3	0.18					
9995	ENSG00000202421		12343.1	0.18					
9997	ENSG00000202465		12343.8	0.18					
10000	ENSG00000204889		12346.5	0.18					
10007	ENSG00000204139		12351.6	0.18					
10010	ENSG00000202058		12353.1	0.18					
10011	ENSG00000202188		12355.8	0.18					
10020	ENSG00000202198		12363.6	0.18					
10024	ENSG00000202572		12366.2	0.18					
10026	ENSG00000204712		12367.2	0.18					
10027	ENSG00000204263		12368.2	0.18					
10029	ENSG00000187888		12371.2	0.18					
10032	ENSG00000204885		12372.2	0.18					
10039	ENSG00000202046		12378.2	0.18					
10041	ENSG00000206491		12379	0.18					
10048	ENSG00000202798		12385.2	0.18					
10049	ENSG00000202657		12386.6	0.18					
10052	ENSG00000204046		12388.5	0.18					
10057	ENSG0000021738		12394.9	0.18	1	11229564	11229670		Small nuclear RNA U13
10060	ENSG00000202850		12396.3	0.18					
10063	ENSG00000215841		12397.4	0.18					
10066	ENSG00000202126		12400.3	0.18					
10067	ENSG00000203414		12402	0.18					
10074	ENSG00000202370		12405.2	0.18					
10075	ENSG00000202164		12406	0.18					
10077	ENSG00000202858		12407.5	0.18					
10080	ENSG00000214897		12408.8	0.18					
10083	ENSG00000202781		12413.6	0.18					
10084	ENSG00000202057		12416	0.18					
10085	ENSG00000202483		12416.8	0.18					
10086	ENSG00000202837		12417.6	0.18					
10091	ENSG00000202426		12420.4	0.18					

10094	ENSG00000236990	12422.7	0.18						
10097	ENSG00000236607	12424.7	0.18						
10099	ENSG00000233531	12425.1	0.18						
10100	ENSG00000243733	12426.6	0.18						
10104	ENSG00000239698	12429.6	0.18						
10107	ENSG00000234943	12432.3	0.18						
10116	ENSG00000253995	12438.6	0.18						
10119	ENSG00000233599	12440.6	0.18						
10122	ENSG00000231311	12442.6	0.18						
10125	ENSG00000255858	12444.6	0.18						
10131	ENSG00000230481	12449	0.18						
10141	ENSG00000230465	12456.7	0.18						
10143	ENSG00000188470	12457.8	0.18						
10145	ENSG00000256272	12461.4	0.18						
10159	ENSG00000234891	12464	0.18						
10151	ENSG00000230731	12464.2	0.18						
10152	ENSG00000233086	12464.3	0.18						
10154	ENSG00000211897	12469.2	0.18						
10163	ENSG00000232456	12477.8	0.18						
10166	ENSG00000213620	12478.1	0.18						
10168	ENSG00000232525	12478.7	0.18						
10169	ENSG00000226206	12478.8	0.18						
10174	ENSG00000242973	12481.8	0.18						
10178	ENSG00000210222	12487	0.18						
10179	ENSG00000242136	12489.8	0.18						
10183	ENSG00000198491	12492.3	0.18						
10184	ENSG00000230793	12492.6	0.18	8	95918245	95918347			Small nuclear RNA L13
10186	ENSG00000238109	12493.1	0.18						
10188	ENSG00000230857	12494.3	0.18						
10193	ENSG00000230450	12495.5	0.18						
10195	ENSG00000230745	12496.4	0.18						
10197	ENSG00000230817	12498.2	0.18						
10198	ENSG00000231130	12500.8	0.18						
10201	ENSG00000224164	12501.6	0.18						
10202	ENSG00000256533	12501.8	0.18						
10203	ENSG00000256555	12503.8	0.18						
10205	ENSG00000270118	12503.3	0.18						
10207	ENSG00000236131	12505.7	0.18						
10208	ENSG00000230588	12509.4	0.18						
10211	ENSG00000234118	12512.2	0.18						
10213	ENSG00000256872	12518.2	0.18						
10214	ENSG00000230840	12518.3	0.18						
10216	ENSG00000236998	12518.4	0.18						
10223	ENSG00000272975	12525.1	0.18						
10225	ENSG00000242874	12526	0.18						
10230	ENSG00000232718	12530.6	0.18						
10232	ENSG00000230912	12533	0.18						
10235	ENSG00000212122	12534.1	0.18						
10240	ENSG00000240128	12539.5	0.18						
10242	ENSG00000242813	12541	0.18						
10260	ENSG00000230118	12553	0.18						
10263	ENSG00000211362	12556.6	0.18						
10267	ENSG00000236953	12558.8	0.18	2	47799601	47801998			CDNA: FLJ23120 fs, clone LNC07989; HCG180724; Uncharacterized protein
10269	ENSG00000233457	12561.2	0.18						
10272	ENSG00000230388	12562.7	0.18						
10273	ENSG00000236615	12563.1	0.18						
10276	ENSG00000230786	12564.8	0.18						
10281	ENSG00000230368	12567.5	0.18						
10283	ENSG00000216347	12567.9	0.18						
10291	ENSG00000231000	12572.7	0.18						
10292	ENSG00000231133	12573.1	0.18						
10294	ENSG00000258876	12573.2	0.18						
10295	ENSG00000244260	12574	0.18						
10297	ENSG00000236992	12574.6	0.18						
10300	ENSG00000235286	12576	0.18						
10306	ENSG00000228814	12578.7	0.18						
10308	ENSG00000230967	12582.3	0.18						
10309	ENSG00000250167	12582.8	0.18						
10311	ENSG00000236744	12583.7	0.18						
10312	ENSG00000230561	12583.9	0.18						
10316	ENSG00000226521	12585.8	0.18						
10320	ENSG00000254547	12587.1	0.18						
10321	ENSG00000237869	12588.9	0.18						
10322	ENSG00000257185	12590.9	0.18						
10323	ENSG00000236984	12591.9	0.18						
10325	ENSG00000231713	12592	0.18						
10331	ENSG00000238742	12596.4	0.18						
10332	ENSG00000248954	12599	0.18						
10335	ENSG00000230149	12604.8	0.18						
10337	ENSG00000259204	12604.9	0.18						
10338	ENSG00000254530	12605.4	0.18						
10341	ENSG00000230587	12609.2	0.18						
10347	ENSG00000234139	12609.6	0.18						
10351	ENSG00000232324	12612.2	0.18						
10358	ENSG00000231486	12616.3	0.18						
10364	ENSG00000217272	12621.5	0.18						
10367	ENSG00000234810	12622.4	0.18						
10374	ENSG00000244028	12628.9	0.18						
10378	ENSG00000243761	12627.6	0.18						
10385	ENSG00000247970	12631.9	0.18						
10386	ENSG00000246375	12631.6	0.18	6	37218980	37219062			Small nuclear RNA U13
10388	ENSG00000230929	12632.6	0.18						
10390	ENSG00000226983	12639.2	0.18						
10395	ENSG00000236976	12647	0.18						
10403	ENSG00000210165	12652.2	0.18						
10405	ENSG00000272346	12654.9	0.18						
10410	ENSG00000230805	12658.9	0.18						
10414	ENSG00000230984	12662.2	0.18						
10416	ENSG00000235840	12663.3	0.18						
10417	ENSG00000250521	12664.7	0.18						
10419	ENSG00000240348	12665.3	0.18						
10421	ENSG00000254223	12666.2	0.18						
10439	ENSG00000230391	12686.2	0.18						
10443	ENSG00000230584	12691.9	0.18						
10446	ENSG00000250603	12694.8	0.18						
10453	ENSG00000255520	12701.3	0.18						
10456	ENSG00000250792	12703.5	0.18						
10461	ENSG00000257613	12708.2	0.18						
10466	ENSG00000254242	12710	0.18						
10471	ENSG00000240935	12713.9	0.18						
10476	ENSG00000226505	12716.8	0.18						
10480	ENSG00000240824	12721	0.18						
10482	ENSG00000246689	12722.2	0.18						
10487	ENSG00000211081	12724.1	0.18						
10488	ENSG00000233630	12724.8	0.18						
10495	ENSG00000230753	12725.8	0.18						
10496	ENSG00000224666	12726.4	0.18	1	2259581	2259642			Uncharacterized protein
10501	ENSG00000236742	12733.2	0.18						
10504	ENSG00000250070	12734.9	0.18						
10509	ENSG00000256134	12738.9	0.18						
10515	ENSG00000230505	12744.9	0.18						
10516	ENSG00000233221	12745.2	0.18						
10520	ENSG00000237365	12748.7	0.18						
10527	ENSG00000236930	12751.9	0.18						
10531	ENSG00000230699	12755.6	0.18						
10532	ENSG00000233542	12757.6	0.18						
10535	ENSG00000236555	12761.1	0.18						
10546	ENSG00000230699	12771.5	0.18						
10548	ENSG00000230219	12773.2	0.18						
10562	ENSG00000236907	12779.6	0.18						
10563	ENSG00000244590	12779.6	0.18						
10564	ENSG00000244444	12780	0.18						
10577	ENSG00000251206	12788.9	0.18						
10579	ENSG00000239350	12789.3	0.18						
10587	ENSG00000236953	12796.4	0.18						
10589	ENSG00000230538	12806.9	0.18						
10611	ENSG00000239990	12813.9	0.18						
10612	ENSG00000224228	12815	0.18						
10629	ENSG00000236910	12830.6	0.18						
10631	ENSG00000231445	12831.2	0.18						
10633	ENSG00000230599	12836	0.18						
10645	ENSG00000228238	12845.1	0.18						
10646	ENSG00000241925	12849.4	0.18						
10648	ENSG00000254117	12853.7	0.18						
10649	ENSG00000237723	12853.8	0.18						
10654	ENSG00000217522	12857.5	0.18						
10662	ENSG00000241765	12864.3	0.18						
10665	ENSG00000230520	12864.7	0.18						
10671	ENSG00000230797	12870.9	0.18						
10690	ENSG00000226699	12888.6	0.18						
10692	ENSG00000270512	12890.2	0.18						

10099	ENSG00000234048	12396	0.17	processed_pseudogene	3	2849454	2849935	family with sequence similarity 56, member A pseudogene 3	
10189	ENSG00000203718	12437	0.17	processed_pseudogene	6	6867339	6867339	high mobility group nucleosomal histone domain 2 pseudogene 35	
10231	ENSG00000205197	12532	0.17	processed_pseudogene	5	11452743	11452527	high mobility group nucleosome binding domain 1 pseudogene 15	
10254	ENSG00000208489	12550	0.17	processed_pseudogene	4	12466905	12466781	ribosomal protein L21 pseudogene 50	
10276	ENSG00000209477	12553	0.17	processed_pseudogene	14	68888115	68888115	peptidylarginine isomerase A (cyclophilin A) pseudogene 6	
10296	ENSG00000202774	12553	0.17	processed_pseudogene	6	10623204	10623204	ribosomal protein L23 pseudogene 50	
10317	ENSG00000213925	12586	0.17	processed_pseudogene	2	204637354	204638225	nucleosomem 1 (nucleolar phosphoglycoprotein B23, numah1) pseudogene 33	
10377	ENSG00000174678	12627	0.17	processed_pseudogene	A	37400336	37400315	family with sequence similarity 47, member D, pseudogene	
10393	ENSG00000205992	12643	0.17	processed_pseudogene	7	35208856	35208856	IMP (inosine monophosphate) dehydrogenase 1 pseudogene 11	
10426	ENSG0000017268	12670	0.17	processed_pseudogene	6	74714236	74714528	S100 calcium binding protein A11 pseudogene 2	
10440	ENSG00000204947	12688	0.17	processed_pseudogene	4	2239978	2239978	ribosomal protein L5 pseudogene 1	
10441	ENSG00000204822	12691	0.17	processed_pseudogene	8	56362069	56367899	cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous) pseudogene 5	
10447	ENSG00000202788	12695	0.17	processed_pseudogene	10	86841185	86841185	SE1 binding factor 1 pseudogene 8	
10491	ENSG00000219395	12724	0.17	processed_pseudogene	6	15173294	15175080	high mobility group nucleosome binding domain 2 pseudogene 8 heat shock 70kDa protein 8 pseudogene 15	
10494	ENSG00000204926	12725	0.17	processed_pseudogene	5	41967241	41968468	methyltetrahydrofolate dehydrogenase (NADPH dependent) 2, methyltetrahydrofolate cyclohydrolase pseudogene 6	
10551	ENSG00000205408	12736	0.17	processed_pseudogene	8	8751520	8751290	solute carrier family 2 (facilitated glucose transporter), member 3 pseudogene 4	
10561	ENSG00000204211	12738	0.17	processed_pseudogene	8	90424850	90427300	keratin 8 pseudogene 4	
10584	ENSG00000213473	12814	0.17	processed_pseudogene	13	57120559	57120453	ribosomal protein L5 pseudogene 31	
10647	ENSG00000204418	12850	0.17	processed_pseudogene	2	174736381	174737193	ribosomal protein L5 pseudogene 7	
10659	ENSG00000205544	12861	0.17	processed_pseudogene	20	11329031	11329503	ribosomal protein S11 pseudogene 1	
10666	ENSG00000204265	12862	0.17	processed_pseudogene	19	1307403	1307720	ribosomal protein S15 pseudogene 5	
10669	ENSG00000178596	12867	0.17	processed_pseudogene	1	9478794	9478794	glyceraldehyde 3 phosphate dehydrogenase pseudogene 29	
10682	ENSG00000213310	12875	0.17	processed_pseudogene	7	12103856	12103821	cytochrome c, somatic pseudogene 19	
10691	ENSG00000205998	12885	0.17	processed_pseudogene	10	33304200	33303266	heterogeneous nuclear ribonucleoprotein A1 pseudogene 7.1	
10724	ENSG00000208754	12950	0.17	processed_pseudogene	18	52411981	52412812	ribosomal protein SA pseudogene 57	
10728	ENSG00000218463	12953	0.17	processed_pseudogene	6	138318407	138317284	ribosomal protein SA pseudogene 42	
10788	ENSG00000205863	13077	0.17	processed_pseudogene	1	116811803	116811803	ribosomal protein S15 pseudogene 5	
10786	ENSG00000203244	13078	0.17	processed_pseudogene	7	13638918	13639935	proteasome (prosome, macropain) 26S subunit, ATPase 1 pseudogene 3	
10796	ENSG00000209149	13092	0.17	processed_pseudogene	16	68720763	68721964	developmental pluripotency associated 2 pseudogene 4	
10802	ENSG00000205655	13095	0.17	processed_pseudogene	4	7361298	7361298	heterogeneous nuclear ribonucleoprotein A1 pseudogene 6.7	
10852	ENSG00000207406	13205	0.17	processed_pseudogene	21	40745893	40749992	ring finger protein (C3HC2 type) 6 pseudogene 1	
10868	ENSG00000204184	13309	0.17	processed_pseudogene	9	32975585	32980401	transcription elongation factor A (SII), 1 pseudogene 4	
10884	ENSG00000205431	13315	0.17	processed_pseudogene	10	10521028	10521028	cell division cycle 2 pseudogene 2	
10887	ENSG00000207050	13353	0.17	processed_pseudogene	5	156351130	156351121	apoptosis protein 1 pseudogene 5	
10894	ENSG00000205832	13361	0.17	processed_pseudogene	9	69485652	69489487	calpain 2 pseudogene 3	
10898	ENSG00000205178	13361	0.17	processed_pseudogene	1	17641185	17641185	binding nucleoside phosphate subunit pseudogene 1	
10914	ENSG00000213199	13362	0.17	processed_pseudogene	1	235701352	235703145	TSEN2 RNA, nuclear	
10937	ENSG00000209186	13369	0.17	processed_pseudogene	15	73775637	73776284	MT-ND5 pseudogene 19	
10953	ENSG00000205025	13371	0.17	processed_pseudogene	15	2005115	2005115	mitochondrial ribosomal protein S15 pseudogene 1	
10990	ENSG00000214211	13345	0.17	processed_pseudogene	2	16857013	16857275	cytochrome c, somatic pseudogene 32 CTAGE family, member 14, pseudogene	
10998	ENSG00000203709	13351	0.17	processed_pseudogene	13	83397266	83398271	glicopin 1 pseudogene 2	
11028	ENSG00000206050	13385	0.17	processed_pseudogene	14	9050339	90504735	cysteine and histidine-rich angiotensin (CHRCR) containing 2 pseudogene	
11062	ENSG00000205441	13418	0.17	processed_pseudogene	15	89305865	89305865	adenylate kinase 4 pseudogene 6	
11080	ENSG00000203506	13428	0.17	processed_pseudogene	4	151948242	151948799	ribosomal protein L7 pseudogene 14	
11143	ENSG00000206294	13456	0.17	processed_pseudogene	2	20396431	20396922	family with sequence similarity 220, member 6, pseudogene	
11149	ENSG00000206001	13456	0.17	processed_pseudogene	6	38527094	38527099	aldolase reductase family 1, member B1 pseudogene 1	
11153	ENSG00000202991	13457	0.17	processed_pseudogene	1	224762136	224763091	RNA methyltransferase like 1 pseudogene 1	
11155	ENSG00000213533	13459	0.17	processed_pseudogene	10	11052962	11052962	signal recognition particle (SRP) pseudogene 1	
11156	ENSG00000209812	13462	0.17	processed_pseudogene	6	16891249	16891249	ribosomal protein S28 pseudogene 34	
11192	ENSG00000204027	13466	0.17	processed_pseudogene	8	82539504	82539504	X-ray repair complementing defective repair in Chinese hamster cells 6 pseudogene 3	
11196	ENSG00000203018	13381	0.17	processed_pseudogene	1	220487287	220488907	WW domain binding protein 1 like pseudogene 2	
11201	ENSG00000202644	13377	0.17	processed_pseudogene	10	107209988	107209988	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 6 pseudogene 3	
11236	ENSG00000203286	13334	0.17	processed_pseudogene	1	52174734	52175612	heat shock 60kDa protein 1 (chaperonin) pseudogene 3	
11264	ENSG000002055128	13384	0.17	processed_pseudogene	8	7278513	7278513	tubulin, beta 3 class III pseudogene 1	
11265	ENSG000002020418	13384	0.17	processed_pseudogene	6	90011502	90012833	coodolin-like 1 (Dicyclostilbin) pseudogene 2	
11326	ENSG00000203523	13418	0.17	processed_pseudogene	7	20487851	20488202	histone H3.3 pseudogene 3	
11328	ENSG00000218574	13423	0.17	processed_pseudogene	1	11631628	11631628	ribosomal protein L12 pseudogene 11	
11353	ENSG000002032493	13443	0.17	processed_pseudogene	20	40176081	40176881	high mobility group box 1 pseudogene 9	
11369	ENSG00000204159	13457	0.17	processed_pseudogene	2	21805157	21806111	Mp3SANT-like DNA binding domain containing 2 pseudogene 1	
11401	ENSG00000205829	13457	0.17	processed_pseudogene	21	2441128	2441128	actin, gamma 1 pseudogene 20	
11403	ENSG00000215388	13488	0.17	processed_pseudogene	15	60345403	60346291	mesoderm specific transcript pseudogene 2	
11429	ENSG00000205958	13511	0.17	processed_pseudogene	6	47184105	47184177	ribosomal protein L23 pseudogene 72	
11467	ENSG00000204207	13575	0.17	processed_pseudogene	11	92785561	92785561	ribosomal protein L26 pseudogene 1	
11501	ENSG00000204287	13577	0.17	processed_pseudogene	6	134924702	134925598	family with sequence similarity 8, member A6 pseudogene	
11502	ENSG00000218772	13577	0.17	processed_pseudogene	6	134924702	134925598	ribosomal protein L6 pseudogene 7	
11552	ENSG00000209704	13627	0.17	processed_pseudogene	3	15537549	15537640	ribosomal protein L6 pseudogene 7	
11556	ENSG00000209212	13627	0.17	processed_pseudogene	3	15537549	15537640	heat shock 70kDa protein 1 pseudogene 14	
11589	ENSG0000021812	13675	0.17	processed_pseudogene	8	10346391	10346471	ribosomal protein S28 pseudogene 32	
11608	ENSG00000210168	13678	0.17	processed_pseudogene	17	2758478	2758478	silvoneuroxin 2 (Drosophila) pseudogene 3	
11638	ENSG00000207497	13682	0.17	processed_pseudogene	10	60918452	60919006	eukaryotic translation initiation factor 2A pseudogene 4	
11648	ENSG00000207395	13685	0.17	processed_pseudogene	10	64581891	64583061	ribosomal protein L5 pseudogene 50	
11689	ENSG00000205138	13717	0.17	processed_pseudogene	10	3137328	3137328	glyceraldehyde 3 phosphate dehydrogenase pseudogene 45	
11687	ENSG00000202812	13730	0.17	processed_pseudogene	10	15135252	15135252	transcription elongation factor B (SII), polypeptide 1 pseudogene 22	
11730	ENSG00000205500	13771	0.17	processed_pseudogene	11	12049043	12049043	keratin 18 pseudogene 62	
11794	ENSG00000205471	13828	0.17	processed_pseudogene	7	1024122	1024122	ribosomal protein L7 pseudogene 41	
11820	ENSG00000204148	13842	0.17	processed_pseudogene	12	53271013	53280169	high mobility group box 3 pseudogene 20	
11826	ENSG00000202959	13851	0.17	processed_pseudogene	7	27022387	27022986	heterogeneous nuclear ribonucleoprotein A1 pseudogene 72	
11833	ENSG00000207133	14103	0.17	processed_pseudogene	11	6423111	6423111	keratin 18 pseudogene 34	
12014	ENSG00000204515	13966	0.17	processed_pseudogene	3	15680452	15680721	glyceraldehyde 3 phosphate dehydrogenase pseudogene 45	
12102	ENSG000002028432	14053	0.17	processed_pseudogene	6	31334129	31334675	eukaryotic translation termination factor 1 pseudogene 1	
12188	ENSG00000202757	14117	0.17	processed_pseudogene	6	29994909	29995780	heterogeneous nuclear ribonucleoprotein A1 pseudogene 23	
12242	ENSG00000202566	14153	0.17	processed_pseudogene	19	27845426	27845426	solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1 pseudogene 5	
12246	ENSG00000202323	14157	0.17	processed_pseudogene	19	28236113	28237113	ADP-ribosylation factor 4 pseudogene 2	
12280	ENSG00000202657	14185	0.17	processed_pseudogene	20	61608902	61609428	ribosomal protein L23 pseudogene 72	
12318	ENSG00000204338	14212	0.17	processed_pseudogene	11	15118440	15118440	T-cell leukemia/lymphoma 6 (non-protein coding)	
4174	ENSG00000187821	11114	0.17	processed_transcript	11	98116835	98116835	DNA topoisomerase II (non-protein coding)	
11201	ENSG000002081845	13452	0.17	processed_transcript	11	9999420	9999420	DNAI3 fusion partner 1 (non-protein coding)	
11916	ENSG00000204933	13514	0.17	processed_transcript	11	11737749	11737749	cell eye syndrome chromosome region, candidate 3 (non-protein coding)	
11918	ENSG00000186704	6374	0.17	protein_coding	3	12877810	12878129	glycoprotein IX (platelet)	
2213	ENSG00000103306	3480	0.17	protein_coding	17	4239989	4240228	solute carrier family 25, member 38	
2308	ENSG00000109822	3611	0.17	protein_coding	17	6207184	6207184	interleukin 13 receptor 2	
2346	ENSG000002008516	3665	0.17	protein_coding	8	3098882	3101077	matrix metalloproteinase 25	
2387	ENSG00000171659	3704	0.17	protein_coding	X	41548226	41548526	G protein-coupled receptor 34	
2393	ENSG00000106290	3704	0.17	protein_coding	6	44811290	44811290	N-acetylated alpha-linked acidic dipeptidase-like 1	
2418	ENSG000002006336	3712	0.17	protein_coding	11	47401127	47401127	spleen focus forming virus (SFV) proviral integration oncogene	
2782	ENSG00000125753	VASP	4278	0.17	protein_coding	19	46009837	46030241	vasodilator-stimulated phosphoprotein
3971	ENSG00000125320	TANC2	4278	0.17	protein_coding	19	20001297	20001297	transcript and poly(ADP-ribose) homolog (Drosophila)
2884	ENSG00000136305	COE8	4470	0.17	protein_coding	14	24714302	24740036	cell death-inducing DFFA-like effector B
2903	ENSG00000123196	HSD17B8	4505	0.17	protein_coding	1	16270482	16276207	hydroxysteroid (17-beta) dehydrogenase
2968	ENSG00000106580								

4139	ENSG00000137492	PRKRIR	6449.9	0.17	protein_coding	11	76061000	76062015	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)
4162	ENSG00000126581	BECN1	6480.3	0.17	protein_coding	17	40962152	40965367	beclin 1, autophagy related
4173	ENSG00000166432	ZMAT1	6484.8	0.17	protein_coding	X	101137262	101187004	zinc finger, matrix-type 1
4207	ENSG00000204718	NPIP88	6540.0	0.17	protein_coding	18	24404442	22547442	nuclear pore complex interacting protein family, member B5
4340	ENSG00000204763	FPC3	6786.5	0.17	protein_coding	16	29357286	29357286	beta 3 actin, tubulin class 2
4346	ENSG00000163755	HPS3	6886.7	0.17	protein_coding	3	148847371	148891179	Hermansky-Rudolph syndrome 3
4359	ENSG00000115590	NG2C	6941.8	0.17	protein_coding	5	142607486	142619077	nuclear receptor subfamily 3, group C, member 4 (glucocorticoid receptor)
4561	ENSG00000161220	ZNF746	7053.3	0.17	protein_coding	7	149165885	149194508	zinc finger protein 746
4571	ENSG00000163333	LRN1A8	7081.6	0.17	protein_coding	15	70587828	705882015	leucin, galactosyl-binding, soluble 8
4578	ENSG00000166522	RNF19A	7013.1	0.17	protein_coding	8	101269288	101348446	ring finger protein 19A, RBR E3 ubiquitin protein ligase
4606	ENSG00000119820	YFP4	7112.6	0.17	protein_coding	2	3262979	3264183	zinc finger protein 749
4609	ENSG00000202920	SLC14A4	7136.8	0.17	protein_coding	12	12922789	129280038	transducin-like enhancer type 1 (Ectophilin, Drosophila)
4628	ENSG00000176853	FAM181A	7178.7	0.17	protein_coding	8	42889371	42849091	fam181-like protein, CAAX box, alpha
4639	ENSG00000136536	YMP4	7199.9	0.17	protein_coding	2	3262979	3264183	Yfp domain family, member 4
4734	ENSG00000198115	WDR74	7281.1	0.17	protein_coding	10	48892921	50119101	solute carrier family 15 (glucosylase transporter), member 4
4736	ENSG00000116406	EMEM	7281.9	0.17	protein_coding	2	184659035	184724047	ER degradation enhancer, mannosidase alpha-like 3
4767	ENSG00000158411	MTD1	7340.1	0.17	protein_coding	2	9977890	99797921	MIT, microtubule interacting and transport domain containing 1
4792	ENSG00000170589	MSAL1	7353.0	0.17	protein_coding	1	92055711	92056178	membrane-spanning 4-domain, subfamily A, member 10
4830	ENSG00000040766	CCDC132	7420.1	0.17	protein_coding	7	92981653	92988338	coiled-coil domain containing 132
4863	ENSG00000154845	PP4R1	7457.5	0.17	protein_coding	18	9549789	9615238	protein phosphatase 4, regulatory subunit 1
4864	ENSG00000142046	TMEK1	7460.6	0.17	protein_coding	19	41859616	41869888	transmembrane protein 91
4868	ENSG00000141646	SMAD4	7475.9	0.17	protein_coding	18	48484410	48411415	SMAD family member 4
4875	ENSG00000171488	LRRRC3C	7486	0.17	protein_coding	1	93098831	90236462	leucine rich repeat containing 8 family, member C
4884	ENSG00000102952	CNST	7491.9	0.17	protein_coding	1	246729146	246810386	conectin, coxsackievirus-binding protein
4888	ENSG00000100796	SMEK1	7505.2	0.17	protein_coding	14	81923955	81978888	SMEK homolog 1, suppressor of mek1 (Drosophila)
4894	ENSG00000142421	CENPF	7512.9	0.17	protein_coding	4	68337521	68411324	centromere protein C
4911	ENSG00000146903	TRP2	7528.6	0.17	protein_coding	13	103261103	103261103	transient receptor potential cation channel subfamily 1, member 13
4980	ENSG00000197665	TFP2	7629.5	0.17	protein_coding	17	10505040	1906242	Uncharacterized protein
4981	ENSG00000154767	JPC	7629.9	0.17	protein_coding	3	14186847	14220283	xeroderma pigmentosum, complementation group C
4984	ENSG00000156812	HR23B	7631.8	0.17	protein_coding	1	10868746	10868746	RBM3 box transcription factor 2
5066	ENSG00000116584	ARHGAP2	7757.4	0.17	protein_coding	1	15591630	15597681	RhoGAP guanine nucleotide exchange factor (GEF) 2
5093	ENSG00000110429	FBOX3	7769.8	0.17	protein_coding	11	33742485	33760699	F-box protein 3
5127	ENSG00000156812	HR23B	7812.3	0.17	protein_coding	20	200901200	200901200	chromosome 5 open reading frame 218
5163	ENSG00000153496	FAM208A	7851.4	0.17	protein_coding	3	56654161	56717265	family with sequence similarity 208, member A
5216	ENSG000002024511	C5orf58	7916.6	0.17	protein_coding	5	169694541	169679879	chromosome 5 open reading frame 58
5225	ENSG00000157275	TRAF3	7948.5	0.17	protein_coding	13	102487663	102487663	diphenylpicoloyl pentakisphosphate-like repeat domain 2
5244	ENSG00000052941	TTCT1	7948.2	0.17	protein_coding	11	43380482	43516483	tetratricopeptide repeat domain 17
5276	ENSG00000140247	FHP	7981.8	0.17	protein_coding	8	78645884	78787873	plectonin homology domain interacting protein
5313	ENSG00000151738	PTSD1	8002.8	0.17	protein_coding	11	8681741	8681741	proteasomal D1 receptor 2
5337	ENSG00000143458	GARP2	8047.7	0.17	protein_coding	1	15104305	15109818	GA binding protein transcription factor, beta subunit 2
5339	ENSG00000184898	RBM44	8051.5	0.17	protein_coding	2	152104454	152118393	RNA binding motif protein 43
5382	ENSG00000186061	TMEH4B	8119.9	0.17	protein_coding	19	55844160	55844160	transmembrane protein 150B
5396	ENSG00000119820	CENPF	8121.1	0.17	protein_coding	1	118719135	118719135	centromere protein C
5418	ENSG00000141446	ESCO1	8153.3	0.17	protein_coding	18	11910242	11918045	establishment of sister chromatid cohesion N-acetyltransferase 1
5462	ENSG00000042467	AP4HD4	8203.8	0.17	protein_coding	2	232649498	232649134	AT rich interactive domain 4B (RBP1-like)
5478	ENSG00000115977	TRAF2	8273.7	0.17	protein_coding	2	68668932	68691481	associated kinase 2
5576	ENSG00000078747	ITCH	8318.9	0.17	protein_coding	20	32951041	32999198	itch, E3 ubiquitin protein ligase
5578	ENSG00000157474	TRIM11	8372.2	0.17	protein_coding	10	11784259	12440353	RNA aspartic acid methyltransferase 1
5646	ENSG00000202963	LRRRC3C	8420.8	0.17	protein_coding	18	44548971	44548971	leucine rich repeat containing 17, member A2
5724	ENSG00000101901	ALG13	8493.1	0.17	protein_coding	X	110990463	111003787	ALG13, UDP-N-acetylglucosaminyltransferase subunit
5739	ENSG00000126599	MEMO1	8502.2	0.17	protein_coding	2	3209129	32262299	mediator of cell motility 1
5766	ENSG00000161196	CXorf55	8564.4	0.17	protein_coding	2	7036127	70362638	chromosome 5 open reading frame 65
5843	ENSG00000131127	ZNF141	8617.7	0.17	protein_coding	4	313603	318253	zinc finger protein 141
5789	ENSG00000179900	ZNF194	8689.9	0.17	protein_coding	19	98268726	98268726	zinc finger protein 194
5824	ENSG00000182826	ZNF117	8710.5	0.17	protein_coding	19	71157266	72474708	zinc finger, CHH1-Cy3 containing 17
6026	ENSG00000202929	ZNF173	8817.7	0.17	protein_coding	3	8818424	8818123	Uncharacterized protein
6111	ENSG00000183323	CCDC103	8839.7	0.17	protein_coding	5	68876002	68888836	coiled-coil domain containing 125
6111	ENSG00000182826	ZNF117	8839.7	0.17	protein_coding	19	71157266	72474708	zinc finger, CHH1-Cy3 containing 17
6134	ENSG00000070476	ZADC	8816.1	0.17	protein_coding	3	126156444	126194762	ZAD family zinc finger C
6247	ENSG00000133812	SFBF2	9115.2	0.17	protein_coding	11	9800214	10215754	SFBF binding factor 2
6385	ENSG00000189935	ZNF862	9129.7	0.17	protein_coding	53	10118119	10118119	zinc finger protein 862
6741	ENSG00000106479	ZNF862	9522.2	0.17	protein_coding	7	14955456	149644568	zinc finger protein 862
7020	ENSG00000120547	TARG2B	9704.6	0.17	protein_coding	16	69717903	69719983	transport and golgi organization 6 homolog (Drosophila)
8138	ENSG00000172171	TRAPP2C	10117.3	0.17	protein_coding	16	20877100	20877100	component component 2, tubulin-binding 1-like
8225	ENSG00000156886	ITGAD	10966.1	0.17	protein_coding	16	31404633	31437826	integrin, alpha D
8237	ENSG00000173626	TRAPP3C	10914.1	0.17	protein_coding	6	11681165	11686973	trafficking protein particle complex 3-like
8119	ENSG00000105509	TRAP1C	10914.1	0.17	protein_coding	21	36811682	36811682	potassium voltage-gated channel-like-related family, member 1
9297	ENSG00000170687	RASA4B	11784.3	0.17	protein_coding	7	10212852	102150228	RAS p21 protein activator 4B
9412	ENSG00000172530	BANP	11872.1	0.17	protein_coding	16	87982856	88110924	BTG3 associated nuclear factor
9538	ENSG00000151518	AIRE	12015.8	0.17	protein_coding	4	15765870	15765870	autoantigen-like 4
9579	ENSG00000150224	AIRE	12015.8	0.17	protein_coding	21	4570721	45718531	autoantigen regulator
9887	ENSG00000202414	FAM74E	12292.6	0.17	protein_coding	4	71728774	72232282	uncharacterized protein LOC100831383
9909	ENSG00000181668	CCZ1	12348.9	0.17	protein_coding	4	1662838	1662838	coiled-coil domain containing 144
10004	ENSG00000110444	XKR8	12348.9	0.17	protein_coding	8	10783555	11058875	XX, Kall blood group complex subunit-related family, member 8
10071	ENSG00000206472	LOC101927453	12404.7	0.17	protein_coding	18	86567018	86568492	Uncharacterized protein
10107	ENSG00000151518	AIRE	12403.8	0.17	protein_coding	11	6723818	6723818	G protein-coupled receptor 152
10180	ENSG00000214215	C12orf74	12491	0.17	protein_coding	12	9306619	9310225	chromosome 12 open reading frame 74
10247	ENSG00000183372	OR2V1	12548.9	0.17	protein_coding	8	180651387	180652304	olfactory receptor, family 2, subfamily V, member 1
10262	ENSG00000130301	GRP92	12549.1	0.17	protein_coding	11	781115	781115	olfactory receptor, family 5, subfamily P, member 2
10376	ENSG00000205929	OR2V2	12627.2	0.17	protein_coding	1	15982760	15984283	Uncharacterized protein
10428	ENSG00000187821	HELT	12672.9	0.17	protein_coding	4	18593995	18594198	hep1 bHLH transcription factor
10444	ENSG00000204789	JMJD3	12692.2	0.17	protein_coding	15	42170281	42170779	jumonji domain containing 7
10449	ENSG00000140446	MTOR	12696.6	0.17	protein_coding	5	148719580	148724505	metabolic binding domain protein 2
10497	ENSG00000177151	TRAF3	12727.4	0.17	protein_coding	1	248801588	248820598	olfactory receptor, family 2, subfamily T, member 35
10500	ENSG00000205985	LDRAD1	12733.7	0.17	protein_coding	X	14414412	14414412	low density lipoprotein receptor class A domain containing 1
10542	ENSG00000190938	NPIP88	12733.7	0.17	protein_coding	X	107020963	107037912	nuclear pore binding subunit 2-like
10545	ENSG00000205524	NPIP88	12767	0.17	protein_coding	18	29607005	29607005	nuclear pore complex interacting protein family, member B6
10620	ENSG00000189262	RUF4	12822.7	0.17	protein_coding	2	21888530	21889530	ROU and FVE domain containing 4
10636	ENSG00000101910	SALRS5	12849.6	0.17	protein_coding	6	88861152	88861152	glucosylase family N-acetylglucosyl sulfatase
10841	ENSG00000116725	ZNF410	12842	0.17	protein_coding	14	74353320	74359214	zinc finger protein 410
10866	ENSG00000153230	NOX3	12858.6	0.17	protein_coding	1	24791917	24792081	olfactory receptor, family 14, subfamily K, member 1
10711	ENSG00000174771	OR7V1	12938.7	0.17	protein_coding	7	115718504	115718504	olfactory receptor, family 6, subfamily O, member 3
10745	ENSG00000102578	OR7V1	12938.7	0.17	protein_coding	7	142748417	142750444	olfactory receptor, family 6, subfamily V, member 1
10764	ENSG00000123599	KIF9WT	12958.3	0.17	protein_coding	X	10326719	10326719	H2B histone family, member W, testis-specific
10778	ENSG00000189689	HQB1	12971.6	0.17	protein_coding	19			

12773	ENSG000002186359	WDR88	14559	0.17	protein coding	19	3362296	3366701	WD repeat domain B8
12808	ENSG00000219561	WDRCP	14573	0.17	protein coding	2	4354819	4405477	WD repeat containing domain cell polarity effector
9066	ENSG00000238405		11617	0.17	rRNA	10	4674208	46742143	RNA, 5S ribosomal pseudogene 311
9870	ENSG0000022921		12248	0.17	rRNA	2	134988766	134988883	RNA, 5S ribosomal pseudogene 104
10971	ENSG00000202923		13130	0.17	rRNA	15	42144111	42144227	RNA, 5S ribosomal pseudogene 393
11418	ENSG0000021228		13502	0.17	rRNA	11	27541552	27541673	RNA, 5S ribosomal pseudogene 339
12012	ENSG00000253039		13885	0.17	rRNA	1	45397995	45398103	RNA, 5S ribosomal pseudogene 47
4979	ENSG00000116652		7628	0.17	sense intronic	1	64014596	64014605	deleted in lymphocytic leukemia 2-like
4986	ENSG00000229203	FAM215A	7834	0.17	sense intronic	17	44858186	44858191	family with sequence similarity 215, member B (non-protein coding)
5003	ENSG00000229521		11548	0.17	sense intronic	13	77654646	77654652	MYC2P2 antisense RNA 2
10486	ENSG00000224142		12723	0.17	sense intronic	A	10954848	10954849	AMMECR1 intronic transcript 1 (non-protein coding)
1056	ENSG00000236986	MLP-T1	12788	0.17	sense intronic	8	8368368	8367160	MLP intronic transcript 1 (non-protein coding)
11111	ENSG0000027773		15228	0.17	sense intronic	1	155365801	155365789	ASH1L intronic transcript 1 (non-protein coding)
11279	ENSG00000224806	TGFA-T1	15376	0.17	sense intronic	2	70984517	7098827	TGFA intronic transcript 1 (non-protein coding)
11500	ENSG00000201225		13922	0.17	sense overlapping	18	54952953	54760706	WDR2 overlapping transcript 1 (non-protein coding)
6610	ENSG00000201151		9388	0.17	sncRNA	20	33704939	33705010	Small nuclear RNA SNORD56
10623	ENSG00000230920		12652	0.17	sncRNA	X	15734331	15734469	Small nuclear RNA SNORD7
10929	ENSG00000211639		13095	0.17	sncRNA	4	74129077	74129091	Small nuclear RNA SNORD345 family
10983	ENSG00000212211		13141	0.17	sncRNA	3	60842062	60842277	Small nuclear RNA U3
4736	ENSG00000201183		7374	0.17	sncRNA	12	51050796	51050861	RNA, U6 small nuclear 238, pseudogene
5098	ENSG0000025274		7727	0.17	sncRNA	14	50205443	50205445	RNA, U6 small nuclear 536, pseudogene
5328	ENSG00000201662		8041	0.17	sncRNA	13	49562051	49562183	RNA, U6 small nuclear 60, pseudogene
5773	ENSG00000252061		8541	0.17	sncRNA	15	79191182	79191278	RNA, U6 small nuclear 415, pseudogene
5922	ENSG00000198538		8598	0.17	sncRNA	2	16989763	16989739	RNA, U6 small nuclear 315, pseudogene
6223	ENSG00000268880		9004	0.17	sncRNA	1	168232613	16823279	RNA, U6 small nuclear 1310, pseudogene
7889	ENSG0000021524		10630	0.17	sncRNA	17	57524799	57524805	RNA, U6 small nuclear 450, pseudogene
7968	ENSG00000252989		10702	0.17	sncRNA	4	17430754	17430855	RNA, U6 small nuclear 1060, pseudogene
8409	ENSG00000238987		11654	0.17	sncRNA	6	14156693	14156754	RNA, U7 small nuclear 133, pseudogene
9897	ENSG00000266988		12286	0.17	sncRNA	5	9651954	96519117	RNA, U7 small nuclear 73, pseudogene
10250	ENSG00000217960		12317	0.17	sncRNA	7	12083550	12083511	RNA, U8 small nuclear 511, pseudogene
10415	ENSG00000208819		12682	0.17	sncRNA	5	15728306	15728322	RNA, U6 small nuclear 280, pseudogene
10856	ENSG00000199306		13031	0.17	sncRNA	3	197821378	197821484	RNA, U6 small nuclear 858, pseudogene
12095	ENSG00000204901		14737	0.17	sncRNA	20	3042327	3042328	RNA, U7 small nuclear 94, pseudogene
1746	ENSG00000211765		2787	0.17	TR_j_gene	7	14249424	14249434	T cell receptor beta joining 2-2
2692	ENSG00000211769		4173	0.17	TR_j_gene	7	14249403	14249480	T cell receptor beta joining 2-5
11168	ENSG00000211768		4932	0.17	TR_j_gene	7	14249462	14249471	T cell receptor beta joining 2-4
2475	ENSG00000211790		3860	0.17	TR_v_gene	14	22362013	22362010	T cell receptor alpha variable 8-4
10990	ENSG00000259068		12799	0.17	TR_v_pseudogene	14	22733632	22734147	T cell receptor alpha variable 37 (pseudogene)
3385	ENSG00000211930		5342	0.17	transcribed_unprocessed_pseudogene	X	129628939	129630662	family with sequence similarity 45, member B (pseudogene)
11586	ENSG00000242948		13646	0.17	transcribed_unprocessed_pseudogene	7	46820971	46823041	epidermal growth factor receptor pathway substrate 15 pseudogene 1
11662	ENSG00000251557	HNRNKPK3	13708	0.17	transcribed_unprocessed_pseudogene	11	43142312	4328943	heterogeneous nuclear ribonucleoprotein K pseudogene 3
6075	ENSG00000122432		8859	0.17	transcribed_unprocessed_pseudogene	1	84971974	85031877	spematogenesis associated 1
7678	ENSG00000154874	CCDC14B	10402	0.17	transcribed_unprocessed_pseudogene	17	18441117	18528930	coiled-coil domain containing 144B (pseudogene)
10279	ENSG00000209105	ACAP	12566	0.17	transcribed_unprocessed_pseudogene	17	41017939	41026386	amine oxidase, copper containing 4, pseudogene
10550	ENSG00000227179	POCP1	12772	0.17	transcribed_unprocessed_pseudogene	1	111925482	11193441	progastrin (pepsinogen C) pseudogene 1
10635	ENSG00000239402	CYF4F6P	12638	0.17	transcribed_unprocessed_pseudogene	2	131187400	131199048	cytochrome P450, family 4, subfamily F, polypeptide 62, pseudogene
10787	ENSG00000215148		12973	0.17	transcribed_unprocessed_pseudogene	16	2848486	2855148	protease, serine, 41
11032	ENSG00000131885		13169	0.17	transcribed_unprocessed_pseudogene	17	16744057	16749197	keratin 17 pseudogene 1
11035	ENSG00000182367	DNM1P48	13170	0.17	transcribed_unprocessed_pseudogene	15	10030361	10034732	DNM1 pseudogene 48
11296	ENSG00000238105	GOLGA2P5	13396	0.17	transcribed_unprocessed_pseudogene	12	10055015	10056743	galgin A2 pseudogene 5
11335	ENSG00000251521		13425	0.17	transcribed_unprocessed_pseudogene	8	82517804	82543369	inositol(myo)-1(er)-4-monophosphatase 1 pseudogene
11386	ENSG00000264216		13475	0.17	transcribed_unprocessed_pseudogene	17	25979390	25982738	nitric oxide synthase 2 pseudogene 1
11538	ENSG00000188877		13611	0.17	transcribed_unprocessed_pseudogene	8	43147626	43218661	POTE arkinin domain family, member A
10651	ENSG00000237118		12854	0.17	unitary_pseudogene	19	41324626	41324677	cytochrome P450, family 2, subfamily F, polypeptide 2, pseudogene
11008	ENSG00000210768		12901	0.17	unitary_pseudogene	22	19112392	19113356	testis-specific serine kinase 1A pseudogene
11066	ENSG00000230386		13212	0.17	unitary_pseudogene	19	40627218	40628075	vonwillebrand 1 receptor 98 pseudogene
11988	ENSG00000215448		13957	0.17	unitary_pseudogene	11	4167512	4168525	effector receptor, family 55, subfamily B, member 1 pseudogene
9442	ENSG00000245441		4738	0.17	unprocessed_pseudogene	8	2985350	2985356	major histocompatibility complex, class II, H1 (pseudogene)
10120	ENSG0000024920		12442	0.17	unprocessed_pseudogene	10	3783329	3783329	transforming acidic coiled-coil containing protein 1 pseudogene 1
10124	ENSG00000238855	HSD3B9A	12437	0.17	unprocessed_pseudogene	1	120106889	12011434	hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 4
10430	ENSG0000023885		12814	0.17	unprocessed_pseudogene	11	7263624	7263624	effector receptor, family 8, subfamily 81, member 1 pseudogene
10965	ENSG00000244155		12780	0.17	unprocessed_pseudogene	13	19315870	19316588	cytochrome P450, family 4, subfamily F, polypeptide 34, pseudogene
10700	ENSG0000023772		12818	0.17	unprocessed_pseudogene	20	25714900	25715729	vonwillebrand 1 receptor 108 pseudogene
10721	ENSG00000244245	HERC2P10	12917	0.17	unprocessed_pseudogene	15	31107474	31108356	hect domain and RLD 2 pseudogene 10
10949	ENSG00000252497		13111	0.17	unprocessed_pseudogene	19	35723194	35723906	family with sequence similarity 187, member 82, pseudogene
11026	ENSG00000252827		13164	0.17	unprocessed_pseudogene	7	10084503	10084907	disicytycyl-D acyltransferase 2 like 7, pseudogene
11125	ENSG00000257817		13776	0.17	unprocessed_pseudogene	2	12055749	12056830	Rho GTPase activating protein 42 pseudogene 1
11208	ENSG00000272001		13306	0.17	unprocessed_pseudogene	1	21751118	21754460	neuroblastoma breakpoint family, member 2, pseudogene
11218	ENSG00000230590		13320	0.17	unprocessed_pseudogene	2	11772653	11778394	MT-ND2 pseudogene 21
11289	ENSG00000232495		13336	0.17	unprocessed_pseudogene	6	29620140	29620208	MHC class I polypeptide-related sequence F (pseudogene)
11281	ENSG00000179211		13378	0.17	unprocessed_pseudogene	1	14909795	14913032	neuroblastoma breakpoint family, member 23
11352	ENSG00000253743		13440	0.17	unprocessed_pseudogene	5	15741966	15741998	MAP/microtubule affinity-regulating kinase 2 pseudogene 11
11376	ENSG00000236807		13465	0.17	unprocessed_pseudogene	1	16052515	16054942	flavin containing monooxygenase 8 pseudogene
11538	ENSG00000248407		13629	0.17	unprocessed_pseudogene	1	19064262	19064300	double homeobox 4, like 3
11570	ENSG00000256726	DUX4L9	13641	0.17	unprocessed_pseudogene	15	84855504	84856196	chromatin sulfate proteoglycan 4 pseudogene 11
11658	ENSG00000232717		13705	0.17	unprocessed_pseudogene	2	86248947	86249012	spindle motif containing 51U, pseudogene
11746	ENSG00000221454		13786	0.17	unprocessed_pseudogene	2	20348206	20348304	HLA class II pseudogene 30
11979	ENSG00000227758		13988	0.17	unprocessed_pseudogene	6	29716056	29716290	HLA complex group B pseudogene 5
2018	ENSG00000249790		3178	0.17	unprocessed_pseudogene				
2491	ENSG0000022221		3913	0.17	unprocessed_pseudogene				
2874	ENSG00000228845	LINC02041	4458	0.17	unprocessed_pseudogene	14	95973606	95976427	long intergenic non-protein coding RNA 341
2961	ENSG00000244862		4617	0.17	unprocessed_pseudogene	X	15386251	15387649	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma pseudogene 1
3080	ENSG00000209197		4963	0.17	unprocessed_pseudogene				
3149	ENSG00000248996		4944	0.17	unprocessed_pseudogene				
3287	ENSG00000214039		5157	0.17	unprocessed_pseudogene				
3448	ENSG00000210277		5129	0.17	unprocessed_pseudogene				
3688	ENSG00000252295		5775	0.17	unprocessed_pseudogene	5	122131620	122131922	Small nuclear RNA U13
3889	ENSG00000252292		5779	0.17	unprocessed_pseudogene				
3793	ENSG00000249131		5667	0.17	unprocessed_pseudogene				
3818	ENSG00000262944		5699	0.17	unprocessed_pseudogene				
3909	ENSG00000263198		6135	0.17	unprocessed_pseudogene				
4165	ENSG00000270921		6456	0.17	unprocessed_pseudogene				
4253	ENSG00000138041	SMEK2	6603	0.17	unprocessed_pseudogene	2	55774428	55846015	SMEK homolog 2, suppressor of mek1 (Dicolostium)
4521	ENSG00000286462		7007	0.17	unprocessed_pseudogene				
4811	ENSG00000251628		7206	0.17	unprocessed_pseudogene				
4820	ENSG00000253431		7408	0.17	unprocessed_pseudogene				
5031	ENSG00000271870		7890	0.17	unprocessed_pseudogene				
5099	ENSG00000235691		7773	0.17	unprocessed_pseudogene				
5393	ENSG00000241157		8120	0.17	unprocessed_pseudogene				
5415	ENSG00000266709		8151	0.17	unprocessed_pseudogene				
5529	ENSG00000255689		8243	0.17	unprocessed_pseudogene				

9163	ENSG0000022615		11679.8	0.17					
9191	ENSG0000024298		11703.9	0.17					
9298	ENSG0000022406		11786.8	0.17	10	48931789	48931804		RNA, 5S ribosomal pseudogene 314
9307	ENSG00000256897		11795.9	0.17					
9373	ENSG00000264699		11842.4	0.17					
9395	ENSG00000259533		11856.6	0.17					
9406	ENSG00000265842		11884.4	0.17					
9418	ENSG00000264648		11874.3	0.17					
9424	ENSG00000266016		11878.9	0.17					
9436	ENSG00000264305		11884.9	0.17	16	10499800	10500074		RNA, 7SL cytoplasmic 99 pseudogene
9447	ENSG00000241111		11885.9	0.17					
9452	ENSG00000263133		11904.6	0.17					
9467	ENSG00000270354		11922.8	0.17					
9489	ENSG000002641073		11949.4	0.17					
9541	ENSG00000211065		11988.4	0.17					
9544	ENSG00000259304		11992.1	0.17					
9588	ENSG00000254503		12023.3	0.17					
9598	ENSG00000225249		12030.2	0.17					
9616	ENSG00000196409	ZNF658	12045.1	0.17	9	40760700	40836415		zinc finger protein 658
9622	ENSG00000257509		12050.9	0.17					
9643	ENSG00000252621		12092.3	0.17					
9645	ENSG00000236662		12071.9	0.17					
9652	ENSG00000264222		12079.4	0.17					
9655	ENSG00000220119		12081.2	0.17					
9661	ENSG00000225213		12086.6	0.17					
9679	ENSG00000262979		12101.8	0.17					
9737	ENSG00000256989		12143.9	0.17					
9753	ENSG00000250240		12157.8	0.17					
9777	ENSG00000213117		12174.9	0.17					
9823	ENSG00000263769		12153.3	0.17					
9843	ENSG00000269954		12229	0.17					
9872	ENSG00000262662		12249.1	0.17					
9877	ENSG00000221785		12251.3	0.17					
9881	ENSG00000201138		12254.7	0.17	7	75010915	75011015		Y RNA
9891	ENSG00000259046		12261.3	0.17					
9908	ENSG00000263373		12280.7	0.17					
9931	ENSG00000244990		12287.8	0.17					
9933	ENSG00000251635		12288.6	0.17					
9945	ENSG00000221143		12299.4	0.17					
9977	ENSG00000237938		12327.5	0.17					
10003	ENSG00000270962		12348.7	0.17					
10014	ENSG00000225248		12358.8	0.17					
10015	ENSG00000223819		12359.2	0.17					
10025	ENSG00000268041		12368.9	0.17					
10038	ENSG00000260450		12377.4	0.17					
10050	ENSG00000257245		12387.5	0.17					
10051	ENSG00000251399		12388.3	0.17					
10053	ENSG00000260663		12390.7	0.17					
10068	ENSG00000230111		12418.7	0.17					
10101	ENSG00000270325		12427	0.17					
10105	ENSG00000264103		12432	0.17					
10117	ENSG00000268805		12439.3	0.17	1	155385349	155385453		Small nuclear RNA U13
10138	ENSG00000267694		12450.7	0.17					
10153	ENSG00000268441		12467.6	0.17					
10158	ENSG000002217407		12471.1	0.17					
10171	ENSG00000271390		12479.8	0.17					
10215	ENSG000002698402		12518.3	0.17					
10221	ENSG00000260800		12524.1	0.17					
10245	ENSG00000267861		12546.2	0.17	11	129936836	129940412		Uncharacterized protein
10252	ENSG00000258118		12549.3	0.17	19	58203868	58204128		Uncharacterized protein
10269	ENSG00000263916		12570.9	0.17					
10287	ENSG00000272583		12574.4	0.17					
10296	ENSG00000258111		12576.4	0.17					
10302	ENSG00000203257		12576	0.17					
10327	ENSG00000225018		12593.6	0.17					
10338	ENSG00000205960		12604.5	0.17					
10356	ENSG00000249998		12615.3	0.17					
10362	ENSG00000255157		12618.3	0.17					
10363	ENSG0000021708		12621	0.17					
10379	ENSG00000214669		12629.9	0.17					
10397	ENSG00000236523		12646	0.17					
10411	ENSG00000214133		12660.3	0.17					
10412	ENSG00000258493		12660.2	0.17					
10413	ENSG00000233363		12662	0.17					
10423	ENSG00000255522		12667.3	0.17					
10425	ENSG00000259792		12670.6	0.17					
10434	ENSG00000258933		12680.8	0.17					
10455	ENSG00000260438		12703.3	0.17					
10462	ENSG00000270968		12708.2	0.17					
10483	ENSG00000271482		12708.7	0.17					
10487	ENSG00000226288		12710.1	0.17					
10472	ENSG00000240580		12714.7	0.17					
10474	ENSG00000271560		12715.7	0.17					
10488	ENSG00000266603		12724.4	0.17					
10490	ENSG00000226746		12724.5	0.17					
10493	ENSG00000260132		12725.5	0.17					
10514	ENSG00000234938		12746	0.17					
10521	ENSG00000261403		12748.9	0.17					
10522	ENSG00000227374		12749.1	0.17					
10529	ENSG00000234596		12752.2	0.17					
10534	ENSG00000233263		12762.5	0.17					
10539	ENSG00000255490		12763.1	0.17					
10547	ENSG00000230320		12770	0.17					
10549	ENSG00000260922		12772.5	0.17					
10559	ENSG00000237076		12777.1	0.17					
10567	ENSG00000227634		12781.6	0.17					
10570	ENSG00000260604		12786.4	0.17					
10576	ENSG00000229272		12788.4	0.17					
10580	ENSG00000250996		12791.4	0.17					
10584	ENSG00000272272		12793.6	0.17					
10583	ENSG00000268673		12795	0.17	9	140315596	140315690		Small nuclear RNA U13
10588	ENSG00000259620		12797	0.17					
10592	ENSG00000272979		12801.9	0.17					
10594	ENSG00000250609		12802.9	0.17					
10602	ENSG00000223878		12808.5	0.17					
10605	ENSG00000253436		12810.4	0.17					
10609	ENSG00000237963		12812.9	0.17					
10614	ENSG00000265367		12817	0.17					
10625	ENSG00000264904		12826.3	0.17					
10636	ENSG00000223867		12839.1	0.17					
10639	ENSG00000259265		12840.9	0.17					
10653	ENSG00000272754		12856.5	0.17					
10664	ENSG00000244802		12864.7	0.17					
10678	ENSG00000229831		12875.7	0.17					
10679	ENSG00000217415		12877	0.17					
10683	ENSG00000232518		12880.2	0.17					
10688	ENSG00000224819		12886.5	0.17					
10691	ENSG00000251113		12889.9	0.17					
10693	ENSG00000255258		12890.3	0.17					
10694	ENSG00000223402		12891.8	0.17					
10702	ENSG00000234559		12891.5	0.17					
10706	ENSG00000268903		12908	0.17					
10707	ENSG00000250739		12908.4	0.17					
10708	ENSG00000267141		12907.7	0.17					
10717	ENSG00000263161		12913.5	0.17					
10723	ENSG00000240774		12918.2	0.17					
10726	ENSG00000264546		12922.9	0.17					
10733	ENSG00000268330		12926	0.17					
10737	ENSG00000238776		12928.4	0.17	14	96790045	96790124		Small nuclear RNA U13
10741	ENSG00000268976		12936.6	0.17					
10743	ENSG00000264176		12937.1	0.17					
10744	ENSG00000255856		12938.5	0.17					
10746	ENSG00000224818		12939.8	0.17					
10760	ENSG00000261730		12941.6	0.17					
10768	ENSG00000221069		12950.1	0.17					
10769	ENSG00000233963		12951	0.17					
10764	ENSG00000255256		12953.2	0.17					
10773	ENSG00000227455		12965.8	0.17					
10790	ENSG00000265437		12981.8	0.17					
10791	ENSG00000261524		12982.3	0.17					
10792	ENSG00000250244		12983.2	0.17					
10797	ENSG00000229498		12988.1	0.17					
10804	ENSG00000243032		12988.9	0.17					
10813	ENSG00000268166		13003.7	0.17					
10815	ENSG00000237747		13004.7	0.17					
10820	ENSG00000266976		13007.9	0.17					
10823	ENSG00000253471		13008.2	0.17					
10826	ENSG00000261268		13009.9	0.17					
10828	ENSG00000264825		13010.6	0.17					
10840	ENSG00000229418		13018.9	0.17					

10841	ENSG00000259584		13020	1	0.17				
10845	ENSG00000251178		13021	1	0.17				
10851	ENSG00000236938		13024	1	0.17				
10857	ENSG00000249684		13031	1	0.17				
10858	ENSG00000236940		13031	1	0.17				
10860	ENSG00000251131		13031	9	0.17				
10861	ENSG00000248148		13032	3	0.17				
10864	ENSG00000249739		13036	9	0.17				
10866	ENSG00000231981		13040	4	0.17				
10876	ENSG00000235899		13046	6	0.17				
10877	ENSG00000236328		13046	6	0.17				
10879	ENSG00000238492		13048	5	0.17				
10886	ENSG00000250749		13052	3	0.17				
10888	ENSG00000237413		13053	3	0.17				
10889	ENSG00000230371		13078	6	0.17				
10910	ENSG00000208755		13080	4	0.17				
10916	ENSG00000229424		13082	9	0.17				
10917	ENSG00000237998		13083	1	0.17				
10919	ENSG00000214106		13085	4	0.17				
10922	ENSG00000226985		13088	6	0.17				
10930	ENSG00000232725		13092	5	0.17				
10932	ENSG00000250514		13097	4	0.17				
10934	ENSG00000249091		13097	9	0.17				
10939	ENSG00000242523		13100	6	0.17				
10941	ENSG00000236332		13101	5	0.17				
10944	ENSG00000257472		13104	7	0.17				
10946	ENSG00000232259		13108	5	0.17				
10948	ENSG00000204277		13110	6	0.17				
10956	ENSG00000236137		13116	7	0.17				
10958	ENSG00000236708		13116	9	0.17				
10959	ENSG00000258601	1	13120	1	0.17	48569206	48569478	HCC1780467_PRO0538	Uncharacterized protein
10961	ENSG00000258829		13122	6	0.17				
10962	ENSG00000236955		13123	2	0.17				
10966	ENSG00000238099		13126	2	0.17				
10967	ENSG00000254761		13126	6	0.17				
10972	ENSG00000230522		13130	3	0.17				
10979	ENSG000002069937		13138	1	0.17				
10984	ENSG00000235056		13141	5	0.17				
10987	ENSG00000236559		13142	6	0.17				
10988	ENSG00000237869		13143	1	0.17				
10986	ENSG00000232398		13148	4	0.17				
10989	ENSG00000232799		13151	6	0.17				
11001	ENSG00000232325		13152	2	0.17				
11002	ENSG00000226944		13152	3	0.17				
11003	ENSG00000246172		13152	4	0.17				
11004	ENSG00000239731		13153	1	0.17				
11005	ENSG00000205862		13153	4	0.17				
11007	ENSG00000228718		13154	2	0.17				
11009	ENSG00000208931		13154	6	0.17				
11012	ENSG00000257596		13157	6	0.17				
11022	ENSG00000236416		13162	1	0.17				
11023	ENSG00000236203		13163	1	0.17				
11024	ENSG00000255652		13163	5	0.17				
11028	ENSG00000236579		13164	9	0.17				
11034	ENSG00000232655		13170	1	0.17				
11038	ENSG00000251296		13170	9	0.17				
11043	ENSG00000236745		13180	3	0.17				
11044	ENSG00000236496		13180	3	0.17				
11047	ENSG00000254484		13181	1	0.17				
11050	ENSG00000239172		13183	6	0.17				
11052	ENSG00000230529		13185	5	0.17				
11057	ENSG00000226527		13188	5	0.17				
11060	ENSG00000258303		13192	1	0.17				
11068	ENSG00000221783		13201	3	0.17				
11069	ENSG00000230395		13201	5	0.17				
11073	ENSG00000230384		13203	4	0.17				
11074	ENSG00000232292		13204	6	0.17				
11078	ENSG00000254336		13206	3	0.17				
11079	ENSG00000236281		13208	2	0.17				
11081	ENSG00000231204		13209	6	0.17				
11084	ENSG00000233216		13209	6	0.17				
11086	ENSG00000254261		13218	1	0.17				
11097	ENSG000002304537		13218	7	0.17				
11101	ENSG00000233765		13220	1	0.17				
11102	ENSG00000219361		13220	6	0.17				
11104	ENSG00000235458		13221	1	0.17				
11106	ENSG00000227465		13221	1	0.17				
11107	ENSG00000255118		13224	1	0.17				
11112	ENSG00000231749	GOLGA8L4	13227	6	0.17	15	82920438	82939159	golga8 family-like 18
11117	ENSG00000207140		13230	9	0.17				
11118	ENSG00000234177		13233	4	0.17				
11122	ENSG00000231568		13239	3	0.17				
11124	ENSG00000225947		13240	4	0.17				
11126	ENSG00000258433		13240	5	0.17				
11130	ENSG00000230189		13245	6	0.17				
11136	ENSG00000231098		13252	4	0.17				
11137	ENSG00000232166		13253	2	0.17				
11138	ENSG00000235311		13254	6	0.17				
11142	ENSG00000231133		13256	6	0.17				
11144	ENSG00000244830		13257	4	0.17				
11146	ENSG00000236078		13258	2	0.17				
11148	ENSG00000230765		13261	1	0.17				
11156	ENSG00000231709		13267	1	0.17				
11157	ENSG00000239836		13267	3	0.17				
11158	ENSG00000239815		13267	6	0.17				
11160	ENSG00000258312		13267	7	0.17				
11162	ENSG00000231844		13269	6	0.17				
11163	ENSG00000232774		13269	9	0.17				
11164	ENSG00000229261		13271	3	0.17				
11166	ENSG00000249426		13271	3	0.17				
11166	ENSG00000229291		13273	1	0.17				
11168	ENSG00000236540		13274	9	0.17				
11171	ENSG00000251632		13279	1	0.17				
11174	ENSG00000211741		13280	1	0.17				
11184	ENSG00000225680		13290	9	0.17				
11188	ENSG00000236443		13294	2	0.17				
11190	ENSG00000239292		13294	5	0.17				
11194	ENSG00000228707		13297	8	0.17				
11197	ENSG00000228440		13301	1	0.17				
11199	ENSG00000239158		13301	3	0.17				
11201	ENSG00000248125		13302	1	0.17				
11206	ENSG00000231335		13308	9	0.17				
11210	ENSG00000236611		13309	2	0.17				
11212	ENSG00000271443		13312	3	0.17				
11222	ENSG00000231996		13323	4	0.17				
11223	ENSG00000232609		13323	5	0.17				
11224	ENSG00000248738		13325	3	0.17				
11226	ENSG00000235136		13325	6	0.17				
11228	ENSG00000238428		13326	9	0.17				
11229	ENSG00000219448		13330	2	0.17	8	29000210	29000484	RNA 7SL cytoplasmic 781, pseudogene
11231	ENSG00000252285		13330	9	0.17	7	65899434	65899605	Small nuclear RNA U13
11232	ENSG00000232699		13331	2	0.17				
11234	ENSG00000257548		13332	1	0.17				
11238	ENSG00000244791		13336	1	0.17				
11241	ENSG00000272260		13336	2	0.17				
11242	ENSG00000232761		13338	4	0.17				
11243	ENSG00000236279		13338	4	0.17				
11250	ENSG00000234593		13344	7	0.17				
11254	ENSG00000236925		13349	6	0.17				
11258	ENSG00000236926		13360	4	0.17				
11262	ENSG00000239739		13363	6	0.17				
11266	ENSG00000231341		13366	4	0.17				
11267	ENSG00000244904		13365	7	0.17				
11270	ENSG00000237426		13366	7	0.17				
11276	ENSG00000239190		13373	1	0.17	8	98786206	98786261	RNA, U7 small nuclear 177, pseudogene
11277	ENSG00000237384		13373	4	0.17				
11278	ENSG00000236626		13374	3	0.17	14	77817615	77817802	RNA 7SL cytoplasmic 137, pseudogene
11284	ENSG00000239267		13382	1	0.17				
11288	ENSG00000237870		13388	6	0.17				
11290	ENSG00000235360		13390	6	0.17				
11294	ENSG00000232329		13391	3	0.17				
11297	ENSG00000221521		13397	1	0.17				
11300	ENSG00000237483		13400	6	0.17				
11303	ENSG00000215403		13402	5	0.17				
11306	ENSG00000236548		13405	2	0.17				
11309	ENSG00000232353		13407	1	0.17				
11311	ENSG00000235506		13407	2	0.17				
11317	ENSG00000235015		13409	5	0.17				
11319	ENSG00000259967		13411	7	0.17				
11320	ENSG00000231726		13412	1	0.17				
11321	ENSG000002303473		13412	1	0.17				

11331	ENSG0000022875		13422	0.17					
11332	ENSG0000021717		13423	0.17					
11333	ENSG00000168129		13424	0.17					
11336	ENSG00000227197		13429	0.17					
11341	ENSG00000214970		13434	0.17					
11342	ENSG00000217362		13434	0.17					
11343	ENSG00000212863		13435	0.17					
11344	ENSG00000226526		13437	0.17					
11345	ENSG00000205037		13437	0.17					
11347	ENSG00000215421		13439	0.17					
11348	ENSG00000225288		13442	0.17					
11356	ENSG00000196251		13443	0.17					
11365	ENSG00000205780		13457	0.17					
11366	ENSG00000205708		13457	0.17					
11370	ENSG00000205969		13457	0.17					
11379	ENSG00000204363		13468	0.17					
11381	ENSG00000221628		13470	0.17					
11383	ENSG00000205872		13470	0.17					
11384	ENSG00000217557		13474	0.17					
11385	ENSG00000221549		13474	0.17					
11387	ENSG00000225689		13475	0.17					
11389	ENSG00000132139	GAS2L2	13477	0.17	17	34071530	34079897		growth arrest-specific 2 like 2
11393	ENSG00000205873		13481	0.17					
11396	ENSG00000232337		13484	0.17					
11397	ENSG00000228552		13486	0.17					
11399	ENSG00000202132		13486	0.17					
11406	ENSG00000161583	TBC1D3C	13491	0.17	17	34745936	3480104		TBC1 domain family, member 3G
11407	ENSG00000232458		13491	0.17					
11408	ENSG00000201438		13492	0.17					
11413	ENSG00000228550		13496	0.17					
11416	ENSG00000231153		13501	0.17					
11418	ENSG00000205168		13502	0.17					
11426	ENSG00000235450		13510	0.17					
11428	ENSG00000206743		13511	0.17					
11431	ENSG00000205428		13515	0.17					
11435	ENSG00000205305		13520	0.17					
11437	ENSG00000206882		13520	0.17					
11441	ENSG00000205168		13521	0.17					
11442	ENSG00000205373		13521	0.17					
11444	ENSG00000205629		13526	0.17					
11448	ENSG00000205697		13530	0.17					
11454	ENSG00000225705		13538	0.17					
11455	ENSG00000205890		13538	0.17					
11458	ENSG00000207771		13540	0.17					
11462	ENSG00000207074		13547	0.17					
11470	ENSG00000210736		13553	0.17					
11471	ENSG00000202943		13553	0.17					
11473	ENSG00000205138		13553	0.17					
11477	ENSG00000208120		13557	0.17					
11478	ENSG00000209104		13559	0.17					
11479	ENSG00000210486		13559	0.17					
11482	ENSG00000236653		13560	0.17					
11483	ENSG00000204749		13561	0.17					
11484	ENSG00000205399		13562	0.17					
11488	ENSG00000207994		13564	0.17					
11489	ENSG00000205233		13564	0.17					
11485	ENSG00000208765		13571	0.17					
11497	ENSG00000229733		13572	0.17					
11505	ENSG00000205148		13580	0.17					
11508	ENSG00000207114		13582	0.17					
11507	ENSG00000206743		13583	0.17					
11508	ENSG00000205028		13584	0.17					
11518	ENSG00000205943		13591	0.17					
11523	ENSG00000205933		13597	0.17					
11524	ENSG00000211193		13598	0.17					
11526	ENSG00000230676		13601	0.17					
11530	ENSG00000233895		13603	0.17					
11541	ENSG00000205113		13612	0.17					
11560	ENSG00000224148		13624	0.17					
11562	ENSG00000208070		13625	0.17					
11572	ENSG00000205103		13634	0.17					
11578	ENSG00000228917		13641	0.17					
11590	ENSG00000205403		13647	0.17					
11598	ENSG00000205431		13653	0.17	18	60491423	60492724		Uncharacterized protein
11597	ENSG00000206867		13654	0.17					
11599	ENSG00000237390		13655	0.17					
11602	ENSG00000208973		13658	0.17					
11604	ENSG00000270279		13662	0.17					
11606	ENSG00000230702		13665	0.17					
11607	ENSG00000205963		13665	0.17					
11610	ENSG00000270367		13665	0.17					
11612	ENSG00000205307		13667	0.17					
11620	ENSG00000232661		13673	0.17					
11622	ENSG00000205233		13674	0.17					
11623	ENSG00000206096		13675	0.17					
11624	ENSG00000216576		13676	0.17					
11625	ENSG00000207865		13677	0.17					
11643	ENSG00000205742		13691	0.17					
11647	ENSG00000205785		13693	0.17					
11655	ENSG00000211951		13701	0.17					
11660	ENSG00000205150		13706	0.17					
11664	ENSG00000204775		13711	0.17					
11665	ENSG00000205261		13712	0.17					
11674	ENSG00000205638		13719	0.17					
11677	ENSG00000232616		13720	0.17					
11680	ENSG00000205154		13722	0.17					
11688	ENSG00000272265		13733	0.17					
11690	ENSG00000230536		13736	0.17					
11699	ENSG00000204975		13742	0.17					
11702	ENSG00000232893		13743	0.17					
11703	ENSG00000204816		13743	0.17					
11708	ENSG00000210981		13748	0.17					
11715	ENSG00000203438		13751	0.17					
11723	ENSG00000223982		13760	0.17					
11728	ENSG00000206307		13771	0.17					
11735	ENSG00000206197		13779	0.17					
11736	ENSG00000204030		13780	0.17					
11751	ENSG00000205572		13790	0.17					
11754	ENSG00000204033		13795	0.17					
11755	ENSG00000202930		13797	0.17					
11759	ENSG00000204150		13800	0.17					
11763	ENSG00000205160		13804	0.17					
11765	ENSG00000208119		13805	0.17					
11768	ENSG00000205653		13805	0.17					
11767	ENSG00000205917		13806	0.17					
11780	ENSG00000206543		13815	0.17					
11783	ENSG00000205493		13817	0.17					
11785	ENSG00000205101		13819	0.17					
11789	ENSG00000214891		13821	0.17					
11798	ENSG00000205059		13828	0.17					
11799	ENSG00000196893		13829	0.17					
11800	ENSG00000213081		13829	0.17					
11801	ENSG00000206173		13830	0.17					
11803	ENSG00000206029		13831	0.17					
11805	ENSG00000145963		13832	0.17					
11806	ENSG00000204744		13833	0.17					
11815	ENSG00000205217		13840	0.17					
11816	ENSG00000231253		13840	0.17					
11821	ENSG00000205698		13845	0.17					
11823	ENSG00000205960		13848	0.17					
11834	ENSG00000205370		13856	0.17					
11838	ENSG00000205290		13860	0.17					
11841	ENSG00000206263		13864	0.17					
11842	ENSG00000206386		13865	0.17					
11865	ENSG00000204481		13889	0.17					
11873	ENSG00000205258		13892	0.17					
11875	ENSG00000208759		13894	0.17					
11882	ENSG00000208793		13897	0.17					
11888	ENSG00000205022		13899	0.17					
11889	ENSG00000272884		13903	0.17					
11892	ENSG00000205491		13906	0.17					
11895	ENSG00000203002		13906	0.17					
11896	ENSG00000205481		13907	0.17					
11899	ENSG00000205282		13909	0.17					
11904	ENSG00000211139		13914	0.17					
11910	ENSG00000205396		13919	0.17					
11912	ENSG00000205088		13920	0.17					
11918	ENSG00000215449		13922	0.17					
11923	ENSG00000206034		13924	0.17					

13018	ENSG00000204374	14731	0	16	misc RNA	1	35757801	35758099	RNA 75L cytoplasmic 503 pseudogene
13048	ENSG00000204551	14731	0	16	misc RNA	1	35757801	35758099	RNA 75L cytoplasmic 12 pseudogene
13214	ENSG00000207418	14887	2	16	misc RNA	21	38359039	38359151	Y RNA
14449	ENSG00000204403	CASP12	13532	2	polymerase_pseudogene	11	104756445	104759397	catapase 12 (gene/pseudogene)
3626	ENSG00000207350		6634	0	processed_pseudogene	4	2272898	2272973	cell division cycle 42 pseudogene 8
4161	ENSG00000204261		4480	0	processed_pseudogene	3	4074960	4074960	synaptic binding protein (syn) pseudogene 3
4313	ENSG000002043759		6701	3	processed_pseudogene	3	143235965	143237071	suppression of lamorgency 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 15
5182	ENSG00000205003		7870	0	processed_pseudogene	8	1178594	1178602	basic transcription factor 3 pseudogene 12
5659	ENSG00000205985	RPL21P44	8257	0	processed_pseudogene	4	5485254	5485254	ribosomal protein L21 pseudogene 44
6045	ENSG00000202348		5209	0	processed_pseudogene	1	35587623	35588085	EF-hand calcium binding domain 14 pseudogene 1
6415	ENSG00000205817		9257	0	processed_pseudogene	2	21976289	21976862	zinc finger CCHC-type containing 116 pseudogene
6702	ENSG00000204535		8543	0	processed_pseudogene	3	17887858	17888091	leucine rich repeat (LRR) interacting protein 1 pseudogene 1
6883	ENSG00000204995		9659	0	processed_pseudogene	4	11047628	11047888	chromobox homolog 5 pseudogene 1
7390	ENSG00000203189		10340	0	processed_pseudogene	10	98319442	98320079	nucleoside diphosphate kinase 2 pseudogene 28
7599	ENSG00000203189		10343	0	processed_pseudogene	10	98319442	98320079	ribosomal protein L12 pseudogene 29
7651	ENSG000002048144		10386	1	processed_pseudogene	19	51900009	51900780	nucleolar protein interacting with the FHA domain of MIM67 pseudogene 6
8586	ENSG00000202931		11205	3	processed_pseudogene	14	71561590	71561950	glutaryl tumor transforming 4 pseudogene 1
9129	ENSG000002026491		11655	9	processed_pseudogene	2	43024365	43025825	fat mass and obesity associated pseudogene 1
9300	ENSG00000202222		11788	0	processed_pseudogene	1	24634280	24634280	coiled-coil-helix-coiled-coil helix domain containing 4 pseudogene 5
9504	ENSG00000217496		13355	0	processed_pseudogene	Y	21141001	21142684	zinc finger protein 630 pseudogene 1
10023	ENSG000002040366		12365	4	processed_pseudogene	15	75478992	75479309	ribosomal protein L38a pseudogene 45
10218	ENSG00000196933		12520	2	processed_pseudogene	X	71264395	71264742	ribosomal protein S26 pseudogene 11
10345	ENSG00000201415		12608	1	processed_pseudogene	1	51130059	51130163	nuclear receptor binding factor 2 pseudogene 3
10616	ENSG00000205942		12821	2	processed_pseudogene	4	9878932	9879585	ectonucleotide pyrophosphatase/phosphodiesterase 7 pseudogene 11
10719	ENSG00000203223		12914	0	processed_pseudogene	22	22540331	22541009	bone morphogenetic protein 6 pseudogene 1
10834	ENSG000002024137		13035	3	processed_pseudogene	15	51128007	51128050	protein tyrosine phosphatase, non-receptor type 2 pseudogene 2
10862	ENSG00000202978		13034	0	processed_pseudogene	2	74533855	74534135	18n pseudogene 26
10886	ENSG000002026716		13054	3	processed_pseudogene	11	119473587	119475018	keratin 8 pseudogene 7
11011	ENSG00000202692		13157	0	processed_pseudogene	8	18111567	18111567	cell division cycle 23 pseudogene 1
11066	ENSG00000201001		13155	2	processed_pseudogene	X	94031738	94032066	cyclin B1 interacting protein 1 pseudogene 3
11183	ENSG00000217824		13209	0	processed_pseudogene	6	14888514	14888780	small nuclear ribonucleoprotein polypeptide E pseudogene 6
11152	ENSG000002029927		13202	0	processed_pseudogene	6	81113845	81113847	high mobility group box 3 pseudogene 5
11445	ENSG000002017115		13257	0	processed_pseudogene	20	49090304	49090528	cytochrome c oxidase subunit VIc pseudogene 2
11356	ENSG00000202195		13443	2	processed_pseudogene	10	11859416	11859702	ribosomal protein L5 pseudogene 27
11361	ENSG00000203030		13443	2	processed_pseudogene	10	11859416	11859702	osmium tetroxide oxidoreductase 2 pseudogene 2
11372	ENSG00000203745		13459	0	processed_pseudogene	9	99717102	99717443	zinc finger N06/threonine/serine/threonine domain containing pseudogene 2
11448	ENSG00000204427		13531	0	processed_pseudogene	13	24952349	24953010	nucleic acid uridylyltransferase synthase 1 homolog (S. cerevisiae) pseudogene 3
11489	ENSG00000204228		13528	0	processed_pseudogene	13	100210480	100210480	collin 1 pseudogene 1
11540	ENSG00000202678		13612	0	processed_pseudogene	1	79987765	79987765	alcohol dehydrogenase 5 class III, chi polypeptide, pseudogene 2
11550	ENSG00000202791		13617	1	processed_pseudogene	X	40817738	40818303	divergent paired related homeobox pseudogene 6
11558	ENSG00000202699		13621	0	processed_pseudogene	13	11462110	11462110	ADP-ribosylation factor 4 pseudogene 1
11614	ENSG00000205702		13669	0	processed_pseudogene	12	71065938	71066536	fumarylacetoacetate hydrolase domain containing 2 pseudogene 1
11631	ENSG00000213522		13681	2	processed_pseudogene	4	108124506	108125081	ras-related C3 botulinum toxin substrate 1 pseudogene 5
11635	ENSG00000201765		13682	0	processed_pseudogene	12	53277549	53278476	heterogeneous nuclear ribonucleoprotein A1 pseudogene 50
11639	ENSG00000201781		13686	0	processed_pseudogene	12	52116220	52116220	high mobility group nucleosome binding domain 2 pseudogene 10
11731	ENSG00000203154		13719	0	processed_pseudogene	6	27375476	27375775	multiple coagulation factor deficiency 2 pseudogene 1
11738	ENSG00000202642		13762	3	processed_pseudogene	18	14485905	14487500	LRG4 domain containing 4 pseudogene 1
11744	ENSG00000201729		13765	0	processed_pseudogene	18	85532403	85532419	interleukin enhancer binding factor 2 pseudogene 2
11747	ENSG00000198414		13768	0	processed_pseudogene	X	44143162	44143492	Taf12 DNase domain containing 2 pseudogene 1
11750	ENSG00000202624		13782	0	processed_pseudogene	10	102006228	102006852	prothymosin pseudogene 1
11752	ENSG00000204486		13785	0	processed_pseudogene	8	48740752	48740752	regulator of protein phosphatase 1
11768	ENSG000002029300		13825	0	processed_pseudogene	15	29904774	29904774	tubulin, beta class 1 pseudogene 8
11806	ENSG00000202349		13854	0	processed_pseudogene	2	13324687	13324687	Y box binding protein 1 pseudogene 7
11836	ENSG00000202426		13855	0	processed_pseudogene	12	22336562	22336562	glyoxaldehyde 3 phosphate dehydrogenase pseudogene 49
11843	ENSG000002027465		13865	0	processed_pseudogene	10	25974659	25975073	GNP-loop GTPase 3 pseudogene 1
11864	ENSG00000201597		13865	0	processed_pseudogene	5	39682609	39683063	ribosomal protein L17 pseudogene 25
11866	ENSG000002021124		13869	2	processed_pseudogene	2	202859211	202859211	ubiquitin-conjugating enzyme E2 variant 1 pseudogene 11
11886	ENSG00000203119		13900	1	processed_pseudogene	5	153717031	153718012	heterogeneous nuclear ribonucleoprotein A3 pseudogene 7
11903	ENSG000002025849	MKRN7P	13913	0	processed_pseudogene	20	40592541	40593763	maturing ring finger protein 7, pseudogene
11914	ENSG000002029581		13917	0	processed_pseudogene	12	12342491	12342491	short coiled-coil protein pseudogene 4
11933	ENSG00000208018		13930	2	processed_pseudogene	16	51311763	51311923	uracil-DNA glycosylase pseudogene 1
11956	ENSG00000213149		13948	4	processed_pseudogene	6	111179442	111180250	calponin 2 pseudogene 9
11962	ENSG00000202181		13971	1	processed_pseudogene	15	12342491	12342491	adenosine deaminase pseudogene 2
11965	ENSG00000203439		13972	1	processed_pseudogene	21	21787261	21788158	18n pseudogene 2
11988	ENSG00000205076		13972	0	processed_pseudogene	13	53394532	53395153	pediculid/serpin 1 keratin A (Cytolignin A) pseudogene 26
12011	ENSG00000203056		14012	0	processed_pseudogene	12	51027400	51027400	voltage-dependent anion channel 1 pseudogene 5
12041	ENSG000002023488		14015	2	processed_pseudogene	21	23810669	23810669	mitogen-activated protein kinase 6 pseudogene 2
12043	ENSG00000202381		14016	0	processed_pseudogene	X	109096541	109097148	ribosomal protein S5 pseudogene 2
12056	ENSG00000204504		14020	0	processed_pseudogene	7	6566877	6566877	NBD3 ribosome export related pseudogene 2
12067	ENSG000002025056		14046	0	processed_pseudogene	6	39960554	39961872	tubulin, beta class 1 pseudogene 9
12092	ENSG00000202456		14049	5	processed_pseudogene	14	20992446	20993281	pentatricopeptide domain 2 pseudogene 1
12094	ENSG00000204685		14052	0	processed_pseudogene	14	48025017	48025017	ADP305 pseudogene 1
12107	ENSG00000204984		14052	2	processed_pseudogene	5	14785861	14786221	pipl/Bac transposable element derived 4 pseudogene 3
12114	ENSG000002032540		14063	5	processed_pseudogene	13	43868681	43868681	ribosomal protein L36 pseudogene 19
12161	ENSG00000203156		14102	0	processed_pseudogene	10	3803182	3803182	zinc finger protein 338 pseudogene 1
12168	ENSG00000202433		14102	0	processed_pseudogene	1	32887710	32887710	glyoxaldehyde 3 phosphate dehydrogenase pseudogene 20
12171	ENSG00000203228		14103	5	processed_pseudogene	11	3578975	3571749	ribosomal protein S3A pseudogene 39
12178	ENSG00000202574		14103	0	processed_pseudogene	11	11515893	11515893	14n1n 12 pseudogene 4
12187	ENSG00000203915		14117	0	processed_pseudogene	8	11113529	11114112	ribosomal protein L19 pseudogene 13
12230	ENSG00000203273		14144	4	processed_pseudogene	13	97229311	97229753	AMMECR1-like pseudogene 1
12231	ENSG00000204577		14144	4	processed_pseudogene	14	11020487	11020487	small nuclear ribonucleoprotein polypeptide G pseudogene 1
12232	ENSG00000204490		14145	1	processed_pseudogene	1	15077249	15077307	ubiquitin-conjugating enzyme E2D 3 pseudogene 3
12234	ENSG00000204958		14146	9	processed_pseudogene	3	126485277	126485377	regulator of chromosome condensation 2 pseudogene 4
12250	ENSG00000201810		14161	4	processed_pseudogene	6	121974941	121974936	solute carrier family 25 (mitochondrial carrier, adenosine nucleotide translocator), member 5
12276	ENSG00000203497		14182	1	processed_pseudogene	11	110687429	110687535	heterogeneous nuclear ribonucleoprotein A1 pseudogene 60
12287	ENSG00000203271		14187	0	processed_pseudogene	X	84011044	84011044	SET pseudogene 4
12300	ENSG00000203734		14215	0	processed_pseudogene	X	1513288	1513288	ribosomal protein S3A pseudogene 53
12309	ENSG000002028516		14215	0	processed_pseudogene	3	180545765	18054738	FLY/CH7 zinc finger 1 pseudogene 1
12315	ENSG00000202585		14216	0	processed_pseudogene	10	50812806	50814488	DEAF (AP2-Cou-Ara-60) box polypeptide 18 pseudogene 6
12322	ENSG00000202926		14216	0	processed_pseudogene	10	13862030	13862030	adenosine homocytosine pseudogene 4
12369	ENSG000002049271		14255	0	processed_pseudogene	15	66198840	66198840	heterogeneous nuclear ribonucleoprotein A1 pseudogene 44
12375	ENSG00000202816		14258	5	processed_pseudogene	2	18898408	18899177	suppression of lamorgency 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 2
12406	ENSG00000203244		14278	4	processed_pseudogene	8	9089184	9089184	adenosine associated protein like 3 pseudogene 1
12422	ENSG000002051814		14282	0	processed_pseudogene	3	13236475	13236927	heat shock 70kDa protein 8 pseudogene 19
12426	ENSG000002024530		14284	2	processed_pseudogene	20	52017726	52018195	pediculid/serpin 1 keratin A (Cytolignin A) pseudogene 10
12466	ENSG00000203379		14324	2	processed_pseudogene	20	20371264	20371264	keratin 8 pseudogene 15
12482	ENSG000002053943		14348	0	processed_pseudogene	8	41368759	41370040	18n pseudogene 37
12483	ENSG000002041654		14343	9	processed_pseudogene	19	9432119	9432199	

10171	ENSG00000150873	C2orf50	14843.2	0.16	protein_coding	2	11273379	11286918	chromosome 2 open reading frame 50
10198	ENSG00000150598	FRMD7	14851.3	0.16	protein_coding	2	11232024	11232048	FERM domain containing 7
13218	ENSG00000131738	KRT13B	14888.3	0.16	protein_coding	17	39519748	39520252	keratin 30B
13242	ENSG00000145113	NRO3	14907.3	0.16	protein_coding	2	73429386	73439641	notochord homeobox
13285	ENSG00000196128	GHRHR	14925.9	0.16	protein_coding	7	36918204	31022469	growth hormone releasing hormone receptor
13288	ENSG00000170444	ZFAD1	14942.3	0.16	protein_coding	3	10181908	10219885	zinc finger-like domain containing 1
13300	ENSG00000249240	NOXRED1	14945.6	0.16	protein_coding	15	65134082	65223118	Uncharacterized protein
13351	ENSG00000165555	CT4orf164	14962.6	0.16	protein_coding	14	17863094	17869889	NADP-dependent oxidoreductase domain containing 1
13432	ENSG00000171811	TC40	15050.2	0.16	protein_coding	10	28844925	27324986	chromosome 14 open reading frame 164
13434	ENSG00000198165	CCSC160	15051.1	0.16	protein_coding	9	10000705	10014068	coiled-coil domain containing 160
13458	ENSG00000251113	LINC-R3	15074.2	0.16	protein_coding	12	12262285	12268916	leucine rich repeat containing 43
13480	ENSG00000175325	PRDP1	15093.1	0.16	protein_coding	5	17741926	17742343	PRDP paralog-like homeobox 1
13534	ENSG00000186294	AGBL4	15124.2	0.16	protein_coding	1	4898627	5048985	ATP1G1P binding protein-like 4
13542	ENSG00000214524	LHRA	15131.6	0.16	protein_coding	1	18019421	18024530	LIM homeobox 4
13570	ENSG00000161337	DCST1	15149.9	0.16	protein_coding	1	15508300	15502406	DC-STAMP domain containing 1
13640	ENSG00000189045	ANKKDB1B	15203.9	0.16	protein_coding	5	74901284	74901701	ankyrin repeat and death domain containing 1B
14128	ENSG00000151921	15591.6	0.16	protein_coding	16	2217916	22203975	short chain hydroxyphenylacetate family G2E, member 2	
14277	ENSG00000198590	C1orf105	15684.4	0.16	protein_coding	3	37427760	37428688	chromosome 3 open reading frame 35
9629	ENSG00000251768	C1orf105	15684.4	0.16	rRNA	6	12763928	12763918	rRNA, 5S ribosomal pseudogene 217
12719	ENSG00000252556	C1orf105	15684.4	0.16	rRNA	17	3950205	3950110	rRNA, 5S ribosomal pseudogene 434
10149	ENSG00000273311	DGCR11	12462.6	0.16	sense intronic	22	19033675	19035888	D(George syndrome critical region gene 11 (non-protein coding))
12227	ENSG00000253974	NRG1-IT1	11440.9	0.16	sense intronic	8	31883725	31896991	NRG1 intronic transcript 1 (non-protein coding)
8903	ENSG00000200925	7659.2	0.16	snRNA	16	28190418	28190544	Small nuclear RNA SNORA25	
8940	ENSG00000202434	11500.8	0.16	snRNA	2	19828942	19828978	Small nuclear RNA SNORA4	
11564	ENSG00000253985	13627.7	0.16	snRNA	1	14022555	14022984	Small Cajal body specific RNA 11	
11928	ENSG00000129963	13628.1	0.16	snRNA	16	23453162	23453162	Small nuclear RNA SNORA76	
12312	ENSG00000198856	14218.4	0.16	snRNA	18	7995568	7995782	Small nuclear RNA U3	
12342	ENSG00000206898	14234.6	0.16	snRNA	2	10436173	10436308	Small nuclear RNA SNORA51	
12753	ENSG00000129623	14344.4	0.16	snRNA	11	11713445	11713448	Small Cajal body specific RNA 1	
12781	ENSG00000198470	14358.6	0.16	snRNA	7	12740383	12740514	Small nuclear RNA SNORA64/SNORA10 family	
3730	ENSG00000252206	5850.4	0.16	snRNA	2	58746171	58746234	rRNA, U7 small nuclear 40 pseudogene	
3750	ENSG00000252224	7023.8	0.16	snRNA	82	8923832	8923832	rRNA, U6 small nuclear 125 pseudogene	
3756	ENSG00000238719	8519.6	0.16	snRNA	2	9852917	9852980	rRNA, U7 small nuclear 96 pseudogene	
6804	ENSG00000252284	9299.9	0.16	snRNA	19	41213960	41214068	rRNA, U6 small nuclear 195 pseudogene	
7257	ENSG00000251755	10025.3	0.16	snRNA	2	24958167	24958167	rRNA, U6 small nuclear 125' pseudogene	
7744	ENSG00000252779	10473.6	0.16	snRNA	2	172713076	172713180	rRNA, U6 small nuclear 182 pseudogene	
8302	ENSG00000252344	10972.2	0.16	snRNA	2	23075062	23075919	rRNA, U6 small nuclear 613 pseudogene	
8417	ENSG00000252287	11120.3	0.16	snRNA	1	30712658	30712658	rRNA, U6 small nuclear 1043 pseudogene	
11114	ENSG00000237276	13262.3	0.16	snRNA	9	99018498	99018601	rRNA, U6 small nuclear 1163 pseudogene	
11172	ENSG00000252091	13279.3	0.16	snRNA	17	37638735	37638843	rRNA, U6 small nuclear 981 pseudogene	
11338	ENSG00000250965	13423.6	0.16	snRNA	2	12746018	12746018	rRNA, U6 small nuclear 875 pseudogene	
11476	ENSG00000237160	13556.6	0.16	snRNA	18	23946255	23946703	rRNA, U6 small nuclear 1293 pseudogene	
11883	ENSG00000252821	13725.1	0.16	snRNA	7	33041562	33041668	rRNA, U6 small nuclear 388 pseudogene	
11884	ENSG00000252600	13729.7	0.16	snRNA	9	7155709	7155785	rRNA, U6 small nuclear 620 pseudogene	
11819	ENSG00000254485	13761.6	0.16	snRNA	17	5715455	5715455	rRNA, U6 small nuclear 197 pseudogene	
11858	ENSG00000252341	13880.8	0.16	snRNA	2	23792347	23792348	rRNA, U6 small nuclear 1051 pseudogene	
11897	ENSG00000206760	13908.6	0.16	snRNA	7	65219559	65219762	rRNA, U6 small nuclear 912 pseudogene	
11941	ENSG00000252220	13923.6	0.16	snRNA	12	83415669	83415711	rRNA, U6 small nuclear 971 pseudogene	
12268	ENSG00000206710	14171.1	0.16	snRNA	20	48588643	48588747	rRNA, U6 small nuclear 147 pseudogene	
12592	ENSG00000251943	14857.6	0.16	snRNA	1	11256268	11256268	rRNA, U6 small nuclear 693 pseudogene	
13156	ENSG00000237811	14827.6	0.16	snRNA	1	28713965	28713965	rRNA, U6 small nuclear 178 pseudogene	
2036	ENSG00000211828	3208.7	0.16	TR_j_gene	14	22928090	22928148	T cell receptor delta joining 3	
5001	ENSG00000211881	7857.4	0.16	TR_j_pseudogene	14	23005092	23005151	T cell receptor alpha joining 8	
9033	ENSG00000242856	11575.0	0.16	transcribed_unprocessed_pseudo_gene	19	55159393	55160302	vonemann1 receptor 105 pseudogene	
12119	ENSG00000251527	14088.2	0.16	transcribed_unprocessed_pseudo_gene	4	68928312	68929015	synaptotagmin XIV-like	
12145	ENSG00000218351	14098.1	0.16	transcribed_unprocessed_pseudo_gene	6	141956787	141957840	ribosomal protein S3a pseudogene 23	
12401	ENSG00000218020	14274.6	0.16	transcribed_unprocessed_pseudo_gene	6	11514425	11516699	protein-kinase, interferon-inducible double-stranded RNA dependent inhibitor, repressor of (PSF repressor) pseudogene 5	
12602	ENSG00000244956	14435.2	0.16	transcribed_unprocessed_pseudo_gene	4	16362309	16369846	zinc finger E-box binding homeobox 2 pseudogene 1	
12999	ENSG00000244433	14713.7	0.16	transcribed_unprocessed_pseudo_gene	1	95138474	95139711	piggyBac transposable element derived 4 pseudogene 7	
13246	ENSG00000244573	14912.1	0.16	transcribed_unprocessed_pseudo_gene	12	14509776	14518437	ribosomal protein L30 pseudogene 11	
13383	ENSG00000252501	15010.3	0.16	transcribed_unprocessed_pseudo_gene	1	244558278	244558682	TGF-beta induced factor homeobox 2 pseudogene 1	
5504	ENSG00000133624	ZNF767	6238.9	0.16	transcribed_unprocessed_pseudo_gene	7	149244245	149231843	zinc finger family member 767
5758	ENSG00000174353	STAG3L2	8528.2	0.16	transcribed_unprocessed_pseudo_gene	7	72440227	72476445	stromal antigen 3-like 3
10043	ENSG00000235462	12381.0	0.16	transcribed_unprocessed_pseudo_gene	Y	15265842	15274125	TGF-beta activated kinase 1MAPK37 binding protein 3 pseudogene 1	
11008	ENSG00000249263	13154.2	0.16	transcribed_unprocessed_pseudo_gene	22	17134782	17140518	poly (ADP-ribose) polymerase family, member 4 pseudogene 3	
11828	ENSG00000215481	13852.0	0.16	transcribed_unprocessed_pseudo_gene	22	25028882	25046799	breakpoint cluster region pseudogene 3	
12153	ENSG00000215478	14093.2	0.16	transcribed_unprocessed_pseudo_gene	22	23701790	23729918	carboxylesterase 5A pseudogene 1	
12352	ENSG00000237223	SUL1TC2P1	14244.4	0.16	transcribed_unprocessed_pseudo_gene	2	108938994	108970255	sulfotransferase family, cytosolic, 1C, member 2 pseudogene 1
12357	ENSG00000269516	14248.4	0.16	transcribed_unprocessed_pseudo_gene	19	15674885	15695520	cytochrome P450, subfamily F, polypeptide 23, pseudogene	
12802	ENSG00000281143	14582.2	0.16	transcribed_unprocessed_pseudo_gene	15	78268384	78269393	ADAMT3T pseudogene 3	
12899	ENSG00000242520	14649.7	0.16	transcribed_unprocessed_pseudo_gene	X	151282528	151289444	melanoma antigen family A, 5	
13042	ENSG00000184689	14748.3	0.16	transcribed_unprocessed_pseudo_gene	7	64601603	64604800	integrator complex subunit 4-like 1	
10883	ENSG00000229186	13948.4	0.16	unitary_pseudogene	12	112337067	112340942	ADAM metallopeptidase domain 1A pseudogene	
11566	ENSG00000234611	13855.1	0.16	unitary_pseudogene	11	74782193	74783087	olfactory receptor, family 2, subfamily A1, member 2 pseudogene	
12485	ENSG00000232220	14023.7	0.16	unitary_pseudogene	19	8741328	87418461	secretory blood group 1 pseudogene	
12502	ENSG00000231793	14356.3	0.16	unitary_pseudogene	11	67380124	67383728	double C2-like domains, gamma, pseudogene	
12784	ENSG00000240520	14867.3	0.16	unitary_pseudogene	1	84831111	84835114	uricase oxidase, pseudogene	
13034	ENSG00000234301	14827.6	0.16	unitary_pseudogene	2	20154266	20154304	alkylglyoxalase 3, pseudogene	
13208	ENSG00000230524	COL6A1P1	14880.7	0.16	unitary_pseudogene	3	15193340	15247466	collagen, type VI, alpha 4 pseudogene 1
13237	ENSG00000123201	GUCY1B2	14902.7	0.16	unitary_pseudogene	13	51568647	51564398	guanylate cyclase 1, soluble, beta 2 (pseudogene)
1396	ENSG00000277766	15223.6	0.16	unprocessed_pseudogene	6	29067852	29071044	HLA complex group 4 pseudogene 5	
10081	ENSG00000228186	12409.1	0.16	unprocessed_pseudogene	9	5094139	5095014	poly (ADP-ribose) polymerase family, member 4 pseudogene 1	
10221	ENSG00000204963	12529.2	0.16	unprocessed_pseudogene	Y	14463708	14463818	MT-ND1 pseudogene 1	
10324	ENSG00000215506	12591.9	0.16	unprocessed_pseudogene	Y	28654300	28755257	transmembrane phosphoinositide 3-kinase and lentin homolog 2 pseudogene 4	
10926	ENSG00000249880	13092.4	0.16	unprocessed_pseudogene	22	21419749	21424386	tubulin, alpha 3p, pseudogene	
11191	ENSG00000151965	SSX8	13265.6	0.16	unprocessed_pseudogene	X	52651985	52652968	apical ectodermal ridge breakpoint B
11305	ENSG00000273252	13404.6	0.16	unprocessed_pseudogene	7	68750151	68754255	olfactory receptor, family 1, subfamily E, member 39 pseudogene	
11404	ENSG00000205184	13489.6	0.16	unprocessed_pseudogene	8	82546992	82547897	SLC10A5 pseudogene 1	
11425	ENSG00000235962	13508.3	0.16	unprocessed_pseudogene	22	21053292	21053292	breakpoint cluster region pseudogene 5	
11558	ENSG00000272311	13622.1	0.16	unprocessed_pseudogene	19	39755022	39755022	interferon, lambda 4 pseudogene 1	
12017	ENSG00000251470	13992.4	0.16	unprocessed_pseudogene	8	47602622	47610310	asparagine synthetase pseudogene 4	
12140	ENSG00000234970	14065.9	0.16	unprocessed_pseudogene	11	39991570	40024379	paradoxylin somnata E-like pseudogene	
12244	ENSG00000243429	14154.6	0.16	unprocessed_pseudogene	3	125430983	125431889	olfactory receptor, family 3, subfamily E, member 29 pseudogene	
12283	ENSG00000214252	14186.7	0.16	unprocessed_pseudogene	7	100930763	100933252	alpha-2-glycoprotein 1, zinc-binding pseudogene 2	
12498	ENSG00000252433	14333.6	0.16	unprocessed_pseudogene	12	3953590	39537504	tubulin, beta 1 class VIII pseudogene 6	
13039	ENSG00000224462	14746.9	0.16	unprocessed_pseudogene	1	207338841	207357255	complement component 4 binding protein, alpha pseudogene 1	
2334	ENSG00000232722	3661.8	0.16	unprocessed_pseudogene	1	10000000	10000000	unprocessed_pseudogene	
2358	ENSG00000236029	5115.4	0.16						

7840	ENSG00000273353		10554.2	0.16					
7843	ENSG00000285533		10554.3	0.16	8	103400754	103400863		Small nuclear RNA U13
7893	ENSG00000270995		10603.9	0.16					
7936	ENSG00000271554		10648.7	0.16					
7976	ENSG00000274489		10685.7	0.16					
8031	ENSG00000289971		10733.7	0.16					
8051	ENSG00000242860		10748.4	0.16					
8056	ENSG00000271646		10754.2	0.16					
8097	ENSG00000293444		10790.1	0.16					
8218	ENSG00000236540		10899.3	0.16					
8236	ENSG00000295116		10912.2	0.16					
8393	ENSG00000217891		11045.2	0.16					
8415	ENSG00000204044		11050	0.16					
8485	ENSG00000272099		11124.6	0.16					
8620	ENSG00000271188		11220.1	0.16					
8677	ENSG00000208120		11270.4	0.16					
8804	ENSG00000238399		11386.1	0.16	3	171411001	171411104		Small nuclear RNA U13
8900	ENSG00000292427		11461.5	0.16					
8925	ENSG00000259318		11485.3	0.16					
9115	ENSG00000251927		11643.6	0.16					
9146	ENSG00000232599		11697.2	0.16					
9192	ENSG00000175873		11703.7	0.16					
9296	ENSG00000271858		11784.3	0.16					
9421	ENSG00000210117		11877	0.16					
9596	ENSG00000218663		12029	0.16					
9632	ENSG00000286475		12091.2	0.16					
9675	ENSG00000255492		12100.5	0.16					
9762	ENSG00000282285		12180.2	0.16					
9811	ENSG00000230988		12202.4	0.16					
9856	ENSG00000237698		12240.1	0.16					
9912	ENSG00000270218		12275.7	0.16					
9962	ENSG00000248270		12309.4	0.16					
9990	ENSG00000254603		12337.7	0.16					
10087	ENSG00000273407		12417.6	0.16					
10128	ENSG00000237604		12449.9	0.16					
10142	ENSG00000254693		12457.8	0.16					
10194	ENSG00000234752		12496.2	0.16					
10239	ENSG00000254831		12539.4	0.16					
10290	ENSG00000214451		12572.4	0.16					
10344	ENSG00000225231		12607.8	0.16					
10396	ENSG00000272544		12645.7	0.16					
10438	ENSG00000252709		12683.2	0.16					
10540	ENSG00000287670		12763.5	0.16					
10586	ENSG00000234282		12780.1	0.16					
10572	ENSG00000206444		12786	0.16					
10601	ENSG00000222905		12807.1	0.16					
10604	ENSG00000219665		12809.5	0.16					
10650	ENSG00000259529		12854	0.16					
10657	ENSG00000183038	GGT2	12859.2	0.16	22	20366206	20368028		gamma-glutamyltransferase light chain 3
10689	ENSG00000217289		12888.3	0.16					
10716	ENSG00000259843		12913.2	0.16					
10724	ENSG00000256552		12921.6	0.16					
10761	ENSG00000250812		12952.9	0.16					
10763	ENSG00000289385		12977.2	0.16					
10806	ENSG00000259592		12999.1	0.16					
10822	ENSG00000255774		13007.9	0.16					
10863	ENSG00000289580		13034.1	0.16					
10880	ENSG00000259248		13048.7	0.16					
10889	ENSG00000287452		13055.7	0.16					
10899	ENSG00000185041		13083.6	0.16					
10929	ENSG00000283988		13091.2	0.16					
10940	ENSG00000215863		13100.9	0.16	1	147835127	147831933		long intergenic non-protein coding RNA 1138
10950	ENSG00000231256		13111.7	0.16					
11046	ENSG00000231345		13181.1	0.16					
11062	ENSG00000238851		13209.5	0.16	21	37630724	37630829		Small nuclear RNA U13
11090	ENSG00000245025		13214.3	0.16					
11093	ENSG00000210048		13216.2	0.16					
11115	ENSG00000272389		13230.4	0.16					
11151	ENSG00000272840		13284.1	0.16					
11173	ENSG00000256501		13280.2	0.16					
11240	ENSG00000232390		13336.8	0.16					
11248	ENSG00000218668		13343.7	0.16					
11261	ENSG00000225869		13391.9	0.16					
11273	ENSG00000286832		13370.7	0.16					
11283	ENSG00000232543		13381.3	0.16					
11292	ENSG00000196355		13391.4	0.16	4	38828029	38884430		Uncharacterized protein
11293	ENSG00000285091		13392.9	0.16					
11295	ENSG00000228189		13394.4	0.16					
11307	ENSG00000236932		13406.5	0.16					
11308	ENSG00000253376		13406.9	0.16					
11313	ENSG00000224688		13409.3	0.16					
11329	ENSG00000236136		13421.3	0.16					
11330	ENSG00000223974		13422	0.16					
11337	ENSG00000272910		13429.4	0.16					
11351	ENSG00000211156		13440.2	0.16					
11359	ENSG00000223739		13445.2	0.16					
11371	ENSG00000286847		13459.4	0.16					
11373	ENSG00000234750		13459.7	0.16					
11378	ENSG00000271886		13467.9	0.16					
11384	ENSG00000282499		13481.7	0.16					
11411	ENSG00000234349		13495	0.16					
11415	ENSG00000286040		13499.7	0.16	21	47347679	47352477		Uncharacterized protein
11417	ENSG00000214797		13502.3	0.16					
11420	ENSG00000282978		13502.9	0.16					
11423	ENSG00000224136		13506.6	0.16					
11430	ENSG00000289798		13511.6	0.16					
11472	ENSG00000254645		13523.5	0.16					
11485	ENSG00000271327		13563	0.16					
11492	ENSG00000289102		13565.9	0.16					
11493	ENSG00000271440		13569.2	0.16					
11496	ENSG00000256917		13572.5	0.16					
11510	ENSG00000254495		13584.9	0.16					
11512	ENSG00000212502		13586.5	0.16					
11525	ENSG00000258112		13588.3	0.16					
11548	ENSG00000289860		13616.6	0.16					
11573	ENSG00000225107		13635.2	0.16					
11577	ENSG00000251054		13641.3	0.16					
11588	ENSG00000224039		13647.4	0.16					
11592	ENSG00000232688		13650.4	0.16					
11598	ENSG00000286323		13654.9	0.16	10	88913843	88914126		RNA 7SL cytoplasmic 733, pseudogene
11600	ENSG00000252116		13656	0.16					
11603	ENSG00000213115		13660	0.16					
11608	ENSG00000229462		13665.4	0.16					
11616	ENSG000002024971		13670.7	0.16					
11619	ENSG00000223293		13673.4	0.16					
11626	ENSG00000271893		13677.4	0.16					
11628	ENSG000002041671		13679.3	0.16					
11638	ENSG000002271198		13680.3	0.16					
11633	ENSG00000272360		13682.7	0.16					
11642	ENSG00000259347		13690.6	0.16					
11651	ENSG00000259785		13696.9	0.16	16	82590891	82629663		ADAMT5T pseudogene 1
11659	ENSG00000284939		13705.2	0.16					
11663	ENSG00000246851		13711.1	0.16					
11668	ENSG00000259376		13713.7	0.16					
11668	ENSG00000234521		13715.2	0.16					
11689	ENSG00000286772		13733.9	0.16					
11700	ENSG00000259855		13742.3	0.16					
11705	ENSG00000280668		13745.1	0.16					
11708	ENSG00000253037		13745.7	0.16					
11711	ENSG00000242127		13750.3	0.16					
11712	ENSG00000210268		13750.9	0.16					
11713	ENSG00000226235		13751.2	0.16					
11714	ENSG00000234333		13751.3	0.16					
11742	ENSG00000236833		13774.3	0.16					
11734	ENSG00000233511		13777.5	0.16					
11739	ENSG00000285501		13782.5	0.16					
11740	ENSG00000285266		13783	0.16					
11741	ENSG00000281278		13783.5	0.16					
11745	ENSG00000227090		13786.5	0.16					
11748	ENSG00000259113		13791	0.16					
11749	ENSG00000283708		13792.2	0.16					
11753	ENSG000002131277		13795.6	0.16					
11766	ENSG00000186158		13798.1	0.16					
11760	ENSG00000248851		13800.3	0.16					
11762	ENSG00000229401		13802.8	0.16					
11771	ENSG00000232780		13810.8	0.16					
11772	ENSG00000286792		13811.1	0.16	20	3281065	3281155		RNA 7SL cytoplasmic 839, pseudogene
11774	ENSG00000255147		13812	0.16					
11776	ENSG00000221195		13812.2	0.16	16	85775227	85775306		microRNA 1910
11778	ENSG00000257649	MIR1910	13814.5	0.16					

11781	ENSG00000248559		13815.7	0.16					
11782	ENSG00000233588		13823.3	0.16					
11804	ENSG00000234756		13832.1	0.16					
11810	ENSG00000248702		13837.4	0.16					
11827	ENSG00000276476		13851.1	0.16					
11829	ENSG00000276965		13852.5	0.16					
11832	ENSG00000258774		13854.9	0.16					
11835	ENSG00000240599		13857.4	0.16					
11846	ENSG00000252724		13869.5	0.16					
11847	ENSG00000225386		13869.9	0.16					
11857	ENSG00000214243		13878.9	0.16					
11860	ENSG00000231311		13882.7	0.16					
11861	ENSG00000256283		13884.2	0.16					
11866	ENSG00000232072		13887.6	0.16					
11869	ENSG00000225179		13889.7	0.16					
11870	ENSG00000235342		13890.9	0.16					
11876	ENSG00000249623		13895.3	0.16					
11884	ENSG00000215366	GOLGAB1	13898.6	0.16	12	56588931	56589180		RNA 75L_cytosolic/770_pseudogene
11883	ENSG00000254740		13906.4	0.16	15	2325242	2326823		gsg1n A8 family member 1
11884	ENSG00000233367		13906.5	0.16					
11900	ENSG00000234438		13922.7	0.16					
11901	ENSG00000185162		13910.2	0.16					
11907	ENSG00000281235		13916	0.16					
11915	ENSG00000233774		13921.6	0.16					
11918	ENSG00000230812		13922.8	0.16					
11921	ENSG00000287480		13923.1	0.16					
11922	ENSG00000232922		13923.9	0.16					
11929	ENSG00000238994		13928.4	0.16					
11930	ENSG00000289180		13928.5	0.16					
11934	ENSG00000237114		13932.9	0.16					
11938	ENSG00000232900		13936.8	0.16					
11947	ENSG00000226420		13943.1	0.16					
11948	ENSG00000236669		13944.5	0.16					
11950	ENSG00000213110		13945.4	0.16					
11952	ENSG00000271021		13946.6	0.16					
11955	ENSG00000231559		13945.7	0.16					
11961	ENSG00000244540		13952.3	0.16					
11963	ENSG00000283400		13953.3	0.16					
11964	ENSG00000233862		13953.8	0.16					
11965	ENSG00000232451		13954.6	0.16					
11968	ENSG00000249158		13956	0.16					
11972	ENSG00000230598		13960.3	0.16					
11975	ENSG00000229379		13963.8	0.16					
11981	ENSG00000237265		13969	0.16					
11983	ENSG00000260554		13971.1	0.16					
11990	ENSG00000233175		13974.2	0.16					
11991	ENSG00000271477		13974.4	0.16					
11984	ENSG00000287812		13975.2	0.16					
11995	ENSG00000287196		13975.5	0.16					
12000	ENSG00000226675		13978.3	0.16					
12001	ENSG00000235372		13978.7	0.16					
12007	ENSG00000240426		13983.3	0.16					
12010	ENSG00000225443		13984.5	0.16					
12011	ENSG00000286878		13984.8	0.16					
12018	ENSG00000232571		13994.4	0.16					
12019	ENSG00000236233		13994.5	0.16					
12020	ENSG00000298173		13994.7	0.16					
12023	ENSG00000235389		13997.4	0.16					
12025	ENSG00000258478		13999.3	0.16					
12029	ENSG00000230700	MIR1299	14004.8	0.16	9	69002239	69002321		microRNA 1299
12039	ENSG00000238768		14005.7	0.16	11	7181520	71815216		Small nuclear RNA U13
12035	ENSG00000231409		14009.7	0.16					
12038	ENSG00000228418		14012.5	0.16	10	48880162	48881273		calhesin L pseudogene 3
12044	ENSG00000233437		14016.2	0.16					
12052	ENSG00000287563		14019.2	0.16					
12054	ENSG00000255911		14019.8	0.16					
12056	ENSG00000234333		14021.9	0.16					
12059	ENSG00000237279		14025.8	0.16					
12061	ENSG00000298120		14027.9	0.16					
12064	ENSG00000213548		14029.6	0.16					
12067	ENSG00000256276		14031.8	0.16					
12068	ENSG00000226070		14032.5	0.16					
12070	ENSG00000260691		14034.1	0.16					
12072	ENSG00000234345		14035.6	0.16					
12074	ENSG00000253286		14036.8	0.16					
12075	ENSG00000233433		14037	0.16					
12079	ENSG00000250753		14039.3	0.16					
12080	ENSG00000258923		14039.3	0.16					
12082	ENSG00000238989		14044.8	0.16					
12085	ENSG00000231429		14046.1	0.16					
12089	ENSG00000284298		14048.2	0.16					
12094	ENSG00000236739		14054.3	0.16					
12112	ENSG00000287863		14062.5	0.16					
12113	ENSG00000230205		14062.5	0.16					
12116	ENSG00000295516		14067.2	0.16					
12118	ENSG00000231958		14067.4	0.16					
12125	ENSG00000270533		14073.1	0.16					
12127	ENSG00000271418		14079	0.16					
12131	ENSG00000230586		14080	0.16					
12132	ENSG00000226277		14080.1	0.16					
12136	ENSG00000255596		14085.6	0.16					
12138	ENSG00000231366		14093.6	0.16					
12157	ENSG00000280258		14094.4	0.16					
12160	ENSG00000233814		14095.8	0.16					
12161	ENSG00000234207		14096.9	0.16					
12173	ENSG00000226717		14105.9	0.16					
12181	ENSG00000231506		14112.9	0.16					
12186	ENSG00000217414		14116.8	0.16					
12188	ENSG00000227660		14117.5	0.16					
12190	ENSG00000256308		14120.4	0.16					
12191	ENSG00000218626		14120.7	0.16					
12196	ENSG00000233556		14124.3	0.16					
12197	ENSG00000270759		14125	0.16					
12200	ENSG00000217369		14125.1	0.16					
12212	ENSG00000283728		14131.5	0.16					
12217	ENSG00000282729		14134.5	0.16					
12218	ENSG00000231447		14134.5	0.16					
12219	ENSG00000255293		14134.7	0.16					
12224	ENSG00000284950		14139.8	0.16					
12226	ENSG00000235887		14148.8	0.16					
12239	ENSG00000241179		14149.7	0.16					
12240	ENSG00000232070		14152.3	0.16					
12243	ENSG00000238929		14154	0.16					
12247	ENSG00000259374		14158.6	0.16					
12256	ENSG00000250957		14166.2	0.16					
12257	ENSG00000237037		14166.9	0.16					
12262	ENSG00000281778		14168.7	0.16					
12273	ENSG00000258871		14179.5	0.16					
12275	ENSG00000231378		14182.1	0.16					
12277	ENSG00000254076		14182.4	0.16					
12281	ENSG00000271943		14185.8	0.16					
12285	ENSG00000234667		14187.5	0.16					
12289	ENSG00000249888		14190	0.16					
12290	ENSG00000254675		14190.5	0.16					
12293	ENSG00000272774		14193.8	0.16					
12295	ENSG00000258854		14201.8	0.16					
12308	ENSG00000234893		14215.1	0.16					
12310	ENSG00000262599		14216.6	0.16					
12311	ENSG00000252514		14217.7	0.16					
12314	ENSG00000256790		14218.6	0.16					
12316	ENSG00000239118		14220.5	0.16					
12318	ENSG00000229621		14220.6	0.16					
12321	ENSG00000229962		14220.9	0.16					
12324	ENSG00000178206		14223.3	0.16	2	132044330	132050127		cytochrome P450, family 4, subfamily F, polypeptide 31, pseudogene
12326	ENSG00000217447		14223.8	0.16					
12328	ENSG00000244869		14227.2	0.16					
12335	ENSG00000294328		14230.8	0.16					
12338	ENSG00000224687		14233	0.16					
12340	ENSG00000231754		14233.8	0.16					
12344	ENSG00000255338		14235.4	0.16					
12349	ENSG00000233317		14230.5	0.16					
12351	ENSG00000213488		14243.4	0.16					
12362	ENSG00000236558		14250.4	0.16					
12364	ENSG00000250311		14252.1	0.16					
12370	ENSG00000228862		14256	0.16					
12371	ENSG00000252406		14256.9	0.16					
12373	ENSG00000217792		14258.1	0.16					
12380	ENSG00000281430		14259.9	0.16					
12382	ENSG00000252727		14281.1	0.16					
12384	ENSG00000231520		14282.2	0.16					
12388	ENSG00000234978		14284.1	0.16					

12391	ENSG00000248977		14296.2	0.16					
12398	ENSG00000247190		14272	0.16					
12397	ENSG00000238857		14272.8	0.16	7	2590504	2590599		Small nuclear RNA U13
12409	ENSG00000250737		14280.2	0.16					
12410	ENSG00000250170		14296	0.16					
12411	ENSG00000271774		14296.4	0.16					
12418	ENSG00000224856		14290.9	0.16					
12419	ENSG00000244041		14291.6	0.16					
12421	ENSG00000245441		14292.4	0.16					
12425	ENSG00000246339		14293.3	0.16					
12428	ENSG00000255558		14294	0.16					
12431	ENSG00000255753		14298.2	0.16					
12432	ENSG00000225795		14298.4	0.16					
12433	ENSG00000289944		14300.5	0.16					
12438	ENSG00000254543		14301.4	0.16					
12438	ENSG00000254225		14306.9	0.16					
12441	ENSG00000250238		14310.2	0.16					
12445	ENSG00000254196		14312.9	0.16					
12447	ENSG00000264739		14313.4	0.16					
12451	ENSG00000225253		14316.2	0.16					
12455	ENSG00000222987		14317.6	0.16					
12459	ENSG00000250260		14320.5	0.16					
12460	ENSG00000283096		14321.8	0.16					
12462	ENSG00000243733		14322.7	0.16					
12471	ENSG00000232867		14335.1	0.16					
12472	ENSG00000239383		14335.3	0.16					
12473	ENSG00000222245		14335.3	0.16					
12474	ENSG00000235480		14335.7	0.16					
12475	ENSG00000230392		14336.2	0.16					
12476	ENSG00000235135		14337	0.16					
12477	ENSG00000250770		14337.9	0.16					
12479	ENSG00000250870		14340.8	0.16					
12481	ENSG00000232835		14341.2	0.16					
12486	ENSG00000249295		14345.4	0.16					
12487	ENSG00000253778		14346.3	0.16					
12488	ENSG00000232689		14347	0.16					
12497	ENSG00000258199		14352.1	0.16					
12498	ENSG00000268460		14353.9	0.16					
12508	ENSG00000264088		14366.7	0.16					
12512	ENSG00000254057		14369.4	0.16					
12514	ENSG00000268130		14372.4	0.16	13	113755563	113756608		Uncharacterized protein
12519	ENSG00000254070		14374.2	0.16					
12520	ENSG00000234219		14376.8	0.16					
12523	ENSG00000250727		14378.5	0.16					
12527	ENSG00000272233		14380.7	0.16					
12528	ENSG00000255531		14381.5	0.16					
12529	ENSG00000250986		14381.5	0.16					
12533	ENSG00000250571		14384.5	0.16					
12536	ENSG00000230863		14387	0.16					
12548	ENSG00000254540		14392.5	0.16					
12548	ENSG00000254532		14393.5	0.16					
12549	ENSG00000281291		14396.5	0.16					
12550	ENSG00000259986		14396	0.16					
12554	ENSG00000235166		14398.1	0.16					
12557	ENSG00000224532		14403.9	0.16					
12558	ENSG00000251270		14404.9	0.16					
12563	ENSG00000214100		14407.8	0.16					
12565	ENSG00000230854		14410.8	0.16					
12569	ENSG00000271151		14415.3	0.16					
12571	ENSG00000259925		14416.7	0.16					
12574	ENSG00000259525		14418.3	0.16					
12576	ENSG00000228522		14418.8	0.16					
12584	ENSG00000272852		14424.4	0.16					
12586	ENSG00000214942		14424.9	0.16					
12588	ENSG00000218027		14426.4	0.16					
12589	ENSG00000227764		14427	0.16					
12590	ENSG00000255256		14427.7	0.16					
12591	ENSG00000228302		14428.6	0.16					
12592	ENSG00000254249		14429.8	0.16					
12593	ENSG00000254525		14430.2	0.16					
12595	ENSG00000225903		14432.6	0.16					
12596	ENSG00000230273		14433.2	0.16					
12599	ENSG00000237826		14433.9	0.16					
12600	ENSG00000252916		14434.8	0.16					
12605	ENSG00000255296		14437.4	0.16					
12613	ENSG00000236863		14440	0.16					
12618	ENSG00000248986		14445.5	0.16					
12619	ENSG00000271410		14445.8	0.16					
12628	ENSG00000232959		14454.8	0.16					
12638	ENSG00000245773		14458.3	0.16					
12639	ENSG00000236261		14459.4	0.16					
12641	ENSG00000226050		14460.9	0.16					
12644	ENSG00000254219		14463	0.16					
12655	ENSG00000259234		14473.3	0.16					
12656	ENSG00000242718		14473.6	0.16					
12663	ENSG00000257148		14480.2	0.16					
12665	ENSG00000236545		14480.4	0.16					
12667	ENSG00000271162		14482.1	0.16					
12668	ENSG00000248931		14482.4	0.16					
12671	ENSG00000271963		14484.1	0.16					
12673	ENSG00000232398		14484.9	0.16					
12674	ENSG00000281951		14487	0.16					
12675	ENSG00000235926		14487.5	0.16					
12679	ENSG00000289021		14489	0.16					
12682	ENSG00000230296		14489.7	0.16	2	169297416	169297715		RNA, 7SL, cytoplasmic 95, pseudogene
12685	ENSG00000231776		14492	0.16					
12687	ENSG00000242537		14493.6	0.16					
12688	ENSG00000227130		14494.5	0.16					
12694	ENSG00000255136		14498.5	0.16					
12699	ENSG00000233407		14503.2	0.16					
12700	ENSG00000231718		14504.3	0.16					
12702	ENSG00000233978		14504.9	0.16					
12704	ENSG00000298172		14509	0.16					
12707	ENSG00000250352		14507.8	0.16					
12713	ENSG00000258050		14510.9	0.16					
12716	ENSG00000259693		14515.1	0.16					
12724	ENSG00000281904		14520.6	0.16					
12726	ENSG00000285677		14522.3	0.16					
12734	ENSG00000280406		14526.6	0.16	3	53322889	53323142		RNA, 7SL, cytoplasmic 821, pseudogene
12735	ENSG00000255445		14530.4	0.16					
12742	ENSG00000237003		14537.6	0.16					
12745	ENSG00000226359		14539.6	0.16					
12751	ENSG00000250129		14543.7	0.16					
12754	ENSG00000259616		14544.9	0.16					
12756	ENSG00000248692		14548.4	0.16					
12761	ENSG00000234555		14553.5	0.16	2	128879655	128879963		RNA, 7SL, cytoplasmic 206, pseudogene
12768	ENSG00000244995		14554.5	0.16					
12770	ENSG00000268455		14557.4	0.16					
12799	ENSG00000232728		14580.8	0.16					
12811	ENSG00000231407		14587.7	0.16					
12812	ENSG00000298757		14588.3	0.16					
12813	ENSG00000257259		14588.5	0.16					
12818	ENSG00000228598		14594.7	0.16					
12819	ENSG00000204581		14596.9	0.16					
12821	ENSG00000250199		14597.7	0.16					
12827	ENSG00000237281		14592.6	0.16					
12834	ENSG00000283120		14608.1	0.16					
12844	ENSG00000264088		14616.2	0.16					
12846	ENSG00000264739		14617	0.16					
12848	ENSG00000230160		14617.4	0.16					
12848	ENSG00000226501		14618	0.16					
12850	ENSG00000220491		14618.6	0.16					
12852	ENSG00000240499		14619.9	0.16					
12854	ENSG00000281707		14621.1	0.16					
12855	ENSG00000253997		14622.1	0.16					
12859	ENSG00000267938		14623.6	0.16					
12860	ENSG00000234486		14625.3	0.16					
12862	ENSG00000271608		14628	0.16					
12866	ENSG00000224570		14630	0.16					
12877	ENSG00000253444		14639	0.16					
12887	ENSG00000250370		14644.1	0.16					
12892	ENSG00000287762		14647.2	0.16					
12898	ENSG00000285355		14649.7	0.16	19	47582188	47582450		RNA, 7SL, cytoplasmic 533, pseudogene
12900	ENSG00000271010		14650.9	0.16					
12905	ENSG00000230345		14653.9	0.16					
12907	ENSG00000253987		14655.3	0.16					
12910	ENSG00000216077		14657.9	0.16					
12911	ENSG00000233157		14657.9	0.16					
12915	ENSG00000282408		14660.2	0.16					
12919	ENSG00000225451		14664.2	0.16					
12921	ENSG00000232470		14664.5	0.16					

12137	ENSG00000252153	MIR2278	14034.5	0.15	miRNA	9	9757244	9757239	miR2278
12148	ENSG00000251510	MIR5480	14034.5	0.15	miRNA	9	10204309	10204309	miR5480
12926	ENSG00000254900	MIR4116	14223.5	0.15	miRNA	17	7533006	7533136	miR4116
12493	ENSG00000207736	MIR657	14351.5	0.15	miRNA	17	7809076	7809173	miR657
12553	ENSG00000204158	MIR4403	14360.5	0.15	miRNA	9	8520269	8520269	miR4403
12985	ENSG00000254263	MIR4523	14705.5	0.15	miRNA	5	12843181	12843359	miR4523
13177	ENSG00000263742	MIR3174	14847.7	0.15	miRNA	11	7178324	7178348	miR3174
13191	ENSG00000265520	MIR3177	14864.7	0.15	miRNA	16	1177579	1178047	miR3177
13305	ENSG00000265653	MIR5484K	14959.4	0.15	miRNA	9	12172815	12172815	miR5484
13352	ENSG00000266494	MIR6481	14986.1	0.15	miRNA	6	4156845	4156826	miR6481
13372	ENSG00000266495	MIR5084	15033.7	0.15	miRNA	6	3340108	3340624	miR5084
13811	ENSG00000269563	MIR5942	15252.5	0.15	miRNA	5	8277265	8277269	miR5942
14243	ENSG00000263888	MIR4793	15662.2	0.15	miRNA	3	48681627	48681713	miR4793
14681	ENSG00000207693	MIR602	16135.3	0.15	miRNA	9	140732971	140732988	miR602
1701	ENSG00000201428		9892.5	0.15	misc. RNA	7	9595696	95956919	Y RNA
8344	ENSG00000201573		10999.4	0.15	misc. RNA	14	50935115	50935216	Y RNA
8390	ENSG00000202494		11044.9	0.15	misc. RNA	3	13063185	13063296	Y RNA
8372	ENSG00000202450		11137.2	0.15	misc. RNA	1	3273003	3273162	Y RNA
9464	ENSG000002028516		11916.9	0.15	misc. RNA	17	27181740	27181840	Y RNA
10275	ENSG000002021254		12564.1	0.15	misc. RNA	1	85729979	85730085	Y RNA
10430	ENSG000002019255		12690	0.15	misc. RNA	12	92544129	92544229	Y RNA
10775	ENSG000002026659		12967.3	0.15	misc. RNA	20	52181154	52181264	Y RNA
12758	ENSG000002027105		14251.3	0.15	misc. RNA	15	46288109	46288219	Y RNA
13012	ENSG000002020417		14724.4	0.15	misc. RNA	5	13201148	13201148	Y RNA
13053	ENSG000002028604		14757.1	0.15	misc. RNA	22	50837249	50837349	Y RNA
13133	ENSG00000196349		14814.4	0.15	misc. RNA	1	206921325	206921437	Y RNA
13268	ENSG00000200768		14927.3	0.15	misc. RNA	9	13023154	13023096	Y RNA
13304	ENSG000002028953		14955.4	0.15	misc. RNA	6	37328961	37329256	RNA, 7SL, cytoplasmic 73, pseudogene
13397	ENSG00000204370		15024.1	0.15	misc. RNA	2	175104870	175105146	RNA, 7SL, cytoplasmic 85, pseudogene
13528	ENSG00000202913		15150	0.15	misc. RNA	1	11611201	11611201	RNA, 7SL, cytoplasmic 94, pseudogene
13550	ENSG00000204241		15142.5	0.15	misc. RNA	5	17780425	17780519	RNA, 7SL, cytoplasmic 64, pseudogene
13569	ENSG00000204110		15149	0.15	misc. RNA	X	77140874	77141127	RNA, 7SL, cytoplasmic 460, pseudogene
13591	ENSG00000203955		15183.5	0.15	misc. RNA	7	5469182	5469182	RNA, 7SL, small nuclear ribonucleoprotein 275
13648	ENSG00000203955		15209.9	0.15	misc. RNA	16	4683596	4683596	RNA, 7SL, cytoplasmic 850, pseudogene
13906	ENSG000002026777		15407.1	0.15	misc. RNA	17	2103056	2103331	RNA, 7SL, cytoplasmic 624, pseudogene
13928	ENSG000002026777		15407.1	0.15	misc. RNA	1	6081193	6081193	RNA, 7SL, cytoplasmic 624, pseudogene
14256	ENSG000002043532		15671.2	0.15	misc. RNA	8	71568115	71568119	RNA, 7SL, cytoplasmic 19, pseudogene
14607	ENSG000002042436		15635.7	0.15	misc. RNA	3	3314520	3314524	RNA, 7SL, cytoplasmic 789, pseudogene
14680	ENSG00000204546		15698.17	0.15	misc. RNA	1	4296154	4296158	RNA, 7SL, cytoplasmic 405, pseudogene
14962	ENSG000002043871		16224.6	0.15	misc. RNA	15	43683633	43683625	RNA, 7SL, cytoplasmic 487, pseudogene
3274	ENSG000002025856		5144.5	0.15	processed_pseudogene	18	46680316	46680304	RAB43 pseudogene 1
4126	ENSG000002020798		6437	0.15	processed_pseudogene	2	13207043	13207043	RNA, Y RNA
4568	ENSG000002026956		6601	0.15	processed_pseudogene	10	23429565	23429593	ras homology family member Q pseudogene 3
5192	ENSG000002024332		7879.4	0.15	processed_pseudogene	1	10069569	10069562	tyrosine 3-monooxygenase/tyrosinase 5-monooxygenase activation protein, zeta pseudogene 3
5360	ENSG000002033060		8079.4	0.15	processed_pseudogene	10	107146809	107146809	breast carcinoma amplified sequence 2 pseudogene 2
7053	ENSG000002026145		8817.8	0.15	processed_pseudogene	18	14222007	14222300	tyrosine 3-monooxygenase/tyrosinase 5-monooxygenase activation protein, zeta pseudogene 1
7873	ENSG000002025666		10401.4	0.15	processed_pseudogene	18	201957812	201957874	heterogeneous nuclear ribonucleoprotein A1 pseudogene 35
8001	ENSG000002026270		10728.4	0.15	processed_pseudogene	17	51195032	51195625	cytochrome c, somatic pseudogene 40
8023	ENSG000002025162		11148.9	0.15	processed_pseudogene	5	98119036	98119413	casein kinase 1, alpha 1 pseudogene 3
8903	ENSG00000214356		11321.4	0.15	processed_pseudogene	5	50973463	50973404	ribosomal protein L18 pseudogene 10
10457	ENSG000002021584		12703.4	0.15	processed_pseudogene	7	90261220	90261182	TYR23C pseudogene 1
10847	ENSG000002028518		13021.4	0.15	processed_pseudogene	Y	19384706	19385332	ribulose 5-phosphate 3-epimerase 1
11214	ENSG000002027814		13267.9	0.15	processed_pseudogene	Y	118513615	118514007	mitochondrial ribosomal protein S17 pseudogene 9
11263	ENSG000002023730		13363.9	0.15	processed_pseudogene	Y	14442350	14443262	family with sequence similarity 8, member A4 pseudogene 2
11388	ENSG000002025989		13475.4	0.15	processed_pseudogene	8	81463983	81463983	N-terminal asparagine amidase pseudogene 2
11466	ENSG000002021248		13522.5	0.15	processed_pseudogene	13	49813215	49813215	RAD17 homolog 1, non-coding pseudogene 2
12046	ENSG000002024162		14016.4	0.15	processed_pseudogene	10	4422782	4422802	ubiquitin-cytochrome c reductase hinge-protein pseudogene 3
12174	ENSG000002042955		14108.6	0.15	processed_pseudogene	11	50299862	50299846	phosphoglycolate mutase 1 pseudogene 9
12215	ENSG000002025874		14132.5	0.15	processed_pseudogene	11	5085155	5085155	calpain, small subunit 1 pseudogene 18
12408	ENSG000002023813		14280.2	0.15	processed_pseudogene	8	26983334	26983317	cytochrome c oxidase subunit VII polypeptide 1 (ubiquitous) pseudogene 4
12413	ENSG000002143119		14289.6	0.15	processed_pseudogene	21	15048343	15048437	coxsackie virus and adenovirus receptor pseudogene 1
12420	ENSG000002025278		14291.5	0.15	processed_pseudogene	4	6261385	6261385	zinc finger protein 642 pseudogene 2
12442	ENSG00000118903		14310.7	0.15	processed_pseudogene	13	77562200	77562070	basic transcription factor 3 pseudogene 11
12463	ENSG00000213538	KRTP41	14324.5	0.15	processed_pseudogene	11	91159110	91171737	keratin 8 pseudogene 41
12560	ENSG000002023856		14328.1	0.15	processed_pseudogene	21	15334609	15334609	lem-1 homolog 1, human pseudogene 1
12581	ENSG000002026254		14421.3	0.15	processed_pseudogene	7	90736689	90737108	protein tyrosine phosphatase type IVA, member 1 pseudogene 3
12625	ENSG000002026622		14453.5	0.15	processed_pseudogene	13	96344762	96344626	MT-MDS pseudogene 2
12633	ENSG000002026661		14453.5	0.15	processed_pseudogene	13	96344762	96344626	keratin 18 pseudogene 3
12642	ENSG000002023367		14461.8	0.15	processed_pseudogene	7	136623027	136623300	keratin 8 pseudogene 51
12654	ENSG000002025731		14472.7	0.15	processed_pseudogene	19	53962604	53963345	topoisomerase 51 pseudogene 6
12659	ENSG00000214485		14474.9	0.15	processed_pseudogene	2	26372073	26373600	SWI5NF related, matrix associated, zinc dependent regulator of chromatin, subfamily e, member 8 pseudogene 6
12706	ENSG000002023676		14508.8	0.15	processed_pseudogene	21	16706846	16718157	farnesyl diphosphate synthase pseudogene 6
12710	ENSG000002025029		14508.8	0.15	processed_pseudogene	21	16706846	16718157	mitochondrial ribosomal protein L42 pseudogene 3
12711	ENSG00000257444		14509.6	0.15	processed_pseudogene	12	107695171	107695171	SET pseudogene 7
12716	ENSG00000250834		14513.6	0.15	processed_pseudogene	4	136292332	136293079	keratin 18 pseudogene 54
12757	ENSG000002023293		14549.3	0.15	processed_pseudogene	X	93891862	93894569	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase pseudogene 7
12772	ENSG0000020214892		14559.2	0.15	processed_pseudogene	6	31243349	31243521	ubiquitin specific peptidase 8 pseudogene 1
12774	ENSG000002025564		14560.4	0.15	processed_pseudogene	11	12333589	12333589	head shock 70kDa protein pseudogene 2
12790	ENSG00000213568		14571.7	0.15	processed_pseudogene	5	13574581	13575543	heterogeneous nuclear ribonucleoprotein A1 pseudogene 13
12797	ENSG000002029136		14578.6	0.15	processed_pseudogene	1	50964497	50965445	high mobility group box 1 pseudogene 45
12830	ENSG000002025933		14609	0.15	processed_pseudogene	18	39776497	39776114	glyceroldehyde 3-phosphate dehydrogenase pseudogene 66
12873	ENSG000002025713		14637.1	0.15	processed_pseudogene	1	12101201	12101201	LTV1 homolog 13, non-coding pseudogene 1
12979	ENSG000002028443		14657.6	0.15	processed_pseudogene	1	120076372	120077369	glyceroldehyde 3-phosphate dehydrogenase pseudogene 32
12983	ENSG000002026299		14670.5	0.15	processed_pseudogene	14	95116265	95116265	ribosomal protein S4 pseudogene 4
12947	ENSG000002020184		14679.6	0.15	processed_pseudogene	14	120179343	120179343	high mobility group box 3 pseudogene 18
12950	ENSG00000253984		14680.1	0.15	processed_pseudogene	8	66256661	66256661	ribosomal protein L31 pseudogene 40
12951	ENSG00000264444		14681.1	0.15	processed_pseudogene	18	9653134	9653203	succinate dehydrogenase complex, subunit C pseudogene 1
12969	ENSG00000264444		14682.6	0.15	processed_pseudogene	18	9653134	9653203	cell division cycle 62 pseudogene 2
12977	ENSG00000216582		14688.8	0.15	processed_pseudogene	6	24020252	24020258	heterogeneous nuclear ribonucleoprotein A1 pseudogene 58
13005	ENSG000002026301		14717.4	0.15	processed_pseudogene	8	61268921	61268954	phosducin-like 3 pseudogene 1
13007	ENSG00000196831		14717.4	0.15	processed_pseudogene	8	61268921	61268954	actin, domain 1 pseudogene 1
13082	ENSG000002028712		14778.4	0.15	processed_pseudogene	15	22015703	22016791	coxsackie virus and adenovirus receptor pseudogene 2
13089	ENSG000002028670		14779.5	0.15	processed_pseudogene	2	22331719	22331745	Nanog homolog pseudogene 1
13146	ENSG000002029315		14827.1	0.15	processed_pseudogene	15	87612752	87612752	ubiquitin-conjugating enzyme E2C family member 2 pseudogene 10
13153	ENSG00000215043		14828.2	0.15	processed_pseudogene	2	18494078	18494090	glutamate-ammonia lyase (glutamine synthetase) pseudogene 6
13157	ENSG000002025963								

12278	ENSG00000149856	LINC02061-1	14182	0.15	processed transcript	20	62921738	62944485	long intergenic non-protein coding RNA 266.1
12428	ENSG00000160503	LINC02033	18527	0.15	processed transcript	13	10632869	10632869	long intergenic non-protein coding RNA 343
12428	ENSG00000197558		15678	0.15	processed transcript	7	14947131	14953108	SCC-spondin
1084	ENSG00000117215	PLAGL2D	1869	0.15	protein_coding	1	20438432	20446050	phosphoglucoase 2, group IID
1392	ENSG00000144470	C12orf78	2318	0.15	protein_coding	2	20784278	20784398	carboxylesterase D
2229	ENSG00000156273	GLY3AS2	3475	0.15	protein_coding	3	52635488	52627487	aminocyclitol synthase 2
2579	ENSG00000147377	GSH	3997	0.15	protein_coding	3	50843921	50845262	cytidine indole SH2-containing protein
2661	ENSG00000187664	TM6SD2	4124	0.15	protein_coding	19	4296229	4302428	transmembrane and immunoglobulin domain containing 2
2716	ENSG00000193203	S100A9	42138	0.15	protein_coding	19	81303303	81303303	S100 calcium protein 9B
2747	ENSG00000187483	FAM120C	42713	0.15	protein_coding	19	17684110	17684648	family with sequence similarity 129, member C
2785	ENSG00000189881	C13orf7	4327	0.15	protein_coding	11	88628780	88629355	cathepsin C
2815	ENSG00000193281	PLD2C2	4378	0.15	protein_coding	10	87249862	87249862	phospholipase-like B1
2858	ENSG00000187871	UBXN6	44538	0.15	protein_coding	19	4448596	4447819	UBX domain protein 6
2875	ENSG00000110203	FOLK3	4498	0.15	protein_coding	11	17182915	17182936	folate receptor 3 (genomic)
2910	ENSG00000192629	TCF7	45173	0.15	protein_coding	12	92493995	92493995	transmembrane and immunoglobulin domain containing 2
2940	ENSG00000204106	HLA-DOB	45719	0.15	protein_coding	6	32780549	32784625	major histocompatibility complex, class II, DO beta
3046	ENSG00000112299	VNN1	4758	0.15	protein_coding	8	13302729	13303188	vannin 1
3097	ENSG00000195928	QSOX1B3	4837	0.15	protein_coding	13	9984784	9984969	G protein-coupled receptor 183
3147	ENSG00000127528	KLF2	4942	0.15	protein_coding	19	16436528	16436885	Kruppel-like factor 2
3215	ENSG00000111802	TDPP	5042	0.15	protein_coding	6	24650205	24657261	tyrosyl-DNA phosphodiesterase 2
3217	ENSG00000193231	KOZD5	5267	0.15	protein_coding	Y	21867511	21869025	lysine (K)-specific demethylase 5D
3319	ENSG00000140280	LYSMO2	5268	0.15	protein_coding	15	52015208	52043782	LysM, putative peptidoglycan-binding, domain containing 2
3345	ENSG00000112576	CND3D	5288	0.15	protein_coding	6	41902871	42018095	cyrillin D3
3356	ENSG00000121866	CDCR4	52748	0.15	protein_coding	2	138871819	138872135	chemokine (C-C motif) receptor 4
3386	ENSG00000242616	GNIG10	53428	0.15	protein_coding	9	114428515	114423258	guanine nucleotide binding protein (G protein), gamma 10
3472	ENSG00000148984	DDK3	5833	0.15	protein_coding	5	17892898	17893875	clacking protein 3
3520	ENSG00000191410	SHBP1	5514	0.15	protein_coding	16	41082757	41082765	SH3BP1 binding protein 1
3738	ENSG00000162511	LAPTM5	5856	0.15	protein_coding	1	31205316	31206367	lysosomal protein transmembrane 5
3787	ENSG00000089127	OAS1	5955	0.15	protein_coding	12	11334482	11338990	2'-5'-oligoadenylate synthetase 1, 40kDaDa
3847	ENSG00000191760	ALKBH5	6058	0.15	protein_coding	10	10566106	10566106	aldehyde oxidase-like protein fold containing 1
3872	ENSG00000213145	CRNP1	6092	0.15	protein_coding	14	10556264	105565284	cytosine-rich protein 1 (internal)
3887	ENSG00000178115	PACS1	6113	0.15	protein_coding	11	68587384	68612218	phosphofurin acidic cluster sorting protein 1
3928	ENSG00000194028	AKR2B10	6174	0.15	protein_coding	10	8891374	8891374	actin related protein 23, cytosolic, isoform 18, 11kDa
3930	ENSG00000199193	CCDC128	6176	0.15	protein_coding	7	2363696	23684327	coiled-coil domain containing 128
3956	ENSG00000202423	CNEP1R1	6218	0.15	protein_coding	16	50058321	50070999	CTD nuclear envelope phosphatase 1 regulatory subunit 1
3986	ENSG00000195581	SLMO1	6257	0.15	protein_coding	53	3273268	3273268	SLMO1
3990	ENSG00000107201	DDX58	6297	0.15	protein_coding	9	32455306	32526322	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58
4023	ENSG00000198733	NMRK1	6297	0.15	protein_coding	9	7767549	77703133	nicotinamide riboside kinase 1
4065	ENSG00000191718	ALKBH5	6348	0.15	protein_coding	10	4868128	4868128	aldehyde-like oxidase activating enzyme 7
4154	ENSG00000119048	UBE2B	6497	0.15	protein_coding	5	13370870	13372683	ubiquitin-conjugating enzyme E2B
4225	ENSG00000089870	LMT2	6558	0.15	protein_coding	7	73813982	73844161	linker for activation of T cells family, member 2
4229	ENSG00000195070	HRCA1	6569	0.15	protein_coding	9	8897186	8897186	non-sulfur cluster member 1
4238	ENSG00000173442	EHPBP1L1	6577	0.15	protein_coding	11	69343009	69340121	E1H domain binding protein 1-like 1
4338	ENSG00000137865	IFIT4	6774	0.15	protein_coding	1	79115481	79129783	interferon-induced protein 44
4407	ENSG00000116562	LINA	6859	0.15	protein_coding	12	8118629	81131704	linA/ homolog A (C. elegans)
4470	ENSG00000145476	CYP4V2	6938	0.15	protein_coding	4	187112674	187114010	cytochrome P450, family 4, subfamily V, polypeptide 2
4478	ENSG00000122643	NTRC3A	7093	0.15	protein_coding	7	33053742	33102408	5-nucleotide, cytosine link
4500	ENSG00000126422	PRK2	7093	0.15	protein_coding	14	68110600	68110600	pleckstrin homology domain containing, family G (with SH2/SH3 domain) member 3
4531	ENSG00000105287	PRK2	7093	0.15	protein_coding	19	47177532	47220384	protein kinase D2
4584	ENSG00000122172	MLK2	7094	0.15	protein_coding	18	48465416	48414681	mitotic enzyme 2, NAD(+)-dependent, mitochondrial
4606	ENSG00000189113	P2Y12	7114	0.15	protein_coding	18	151051610	151051610	purinergic receptor P2Y, G-protein coupled, 12
4609	ENSG00000134489	HRH4	7115	0.15	protein_coding	18	22040563	22059921	histamine receptor H4
4684	ENSG00000123091	RNF11	7162	0.15	protein_coding	11	81701943	81718127	ring finger protein 11
4686	ENSG00000117791	RALBP1	7214	0.15	protein_coding	11	84715017	84701442	rac1 binding protein 1
4715	ENSG00000132156	RAF1	7264	0.15	protein_coding	3	12625100	12705725	v-raf-1 murine leukemia viral oncogene homolog 1
4730	ENSG00000149269	PRK1	7314	0.15	protein_coding	11	10703752	10718880	p21 protein (Cdk2/Rac)-activated kinase 1
4838	ENSG00000195288	PRK2	7315	0.15	protein_coding	20	20195188	20195188	protein domain containing 2
4817	ENSG00000152291	TGOLN2	7512	0.15	protein_coding	2	85545147	8555548	trans-golgi network protein 2
4822	ENSG00000198185	ENTPD1	7515	0.15	protein_coding	10	87411536	87493723	ectonucleoside triphosphate diphosphohydrolase 1
4826	ENSG00000193527	TMEM17	7564	0.15	protein_coding	10	8443164	8443164	zinc finger protein 117
4846	ENSG00000148802	TMEM188	7585	0.15	protein_coding	7	112402437	112403847	transmembrane protein 188
4956	ENSG00000131504	DIAPH1	7592	0.15	protein_coding	5	14089483	14098822	diaphanous-related form 1
4959	ENSG00000112291	SHBP1	7592	0.15	protein_coding	16	41082757	41082765	about 18, melanoma 1
4978	ENSG00000115525	STGAL5	7626	0.15	protein_coding	2	8606267	8611617	ST3 beta-galactoside alpha-2,3-sialyltransferase 5
4889	ENSG00000127884	NDC1	7649	0.15	protein_coding	16	15737124	15802010	nucl1, neurodevelopmental protein 1
5167	ENSG00000137463	TMEM17	7649	0.15	protein_coding	17	81712052	81712052	phospholipase C, gamma 12 (phosphoinositide-specific)
5167	ENSG00000138709	KIA0513	7848	0.15	protein_coding	16	85061375	85127836	KIA0513
5167	ENSG00000110422	HMLC3	7853	0.15	protein_coding	11	33278218	33278669	homeodomain containing protein kinase 3
5208	ENSG00000191708	HRH4	7853	0.15	protein_coding	18	20238186	20238186	histamine receptor H4
5304	ENSG00000132256	TRIM5	8105	0.15	protein_coding	11	5884425	5885849	tripeptide motif containing 5
5422	ENSG00000173354	PTPNS2	8122	0.15	protein_coding	18	12756477	12929442	protein tyrosine phosphatase, non-receptor type 2
5424	ENSG00000191475	ALKBH5	8123	0.15	protein_coding	12	4868128	4868128	selectin P (genus), membrane protein 10kDa, isoform (CD63)
5492	ENSG00000168538	TRAPP1C1	8211	0.15	protein_coding	4	18458420	18463475	trafficking protein particle complex 11
5512	ENSG00000198893	ZNF338	8247	0.15	protein_coding	10	43084555	43133992	zinc finger protein 338
5512	ENSG00000198893	ALKBH5	8247	0.15	protein_coding	10	4868128	4868128	aldehyde oxidase 5, cytosolic
5524	ENSG00000145876	PKR3	8261	0.15	protein_coding	5	67511548	6759749	phosphoinositide 3-kinase, regulatory subunit 1 (alpha)
5533	ENSG00000186822	TMEM70A	8287	0.15	protein_coding	16	75478952	75484995	transmembrane protein 70A
5533	ENSG00000190871	PKR3	8287	0.15	protein_coding	13	12558701	12558701	inhibitor of inositol 3-kinase
5630	ENSG00000104343	UBE2W	8388	0.15	protein_coding	8	7495232	74791145	ubiquitin-conjugating enzyme E2W (putative)
5684	ENSG00000173736	GTF2H2	8427	0.15	protein_coding	8	70380784	703805316	general transcription factor IIB, polypeptide 2, 44kDa
5688	ENSG00000191748	SHBP1	8427	0.15	protein_coding	11	41101269	41101269	SH3 and double zinc finger domain 1
5692	ENSG00000127483	HP1BP3	8442	0.15	protein_coding	1	21089154	21113816	heterochromatin protein 1, binding protein 3
5723	ENSG00000136599	VILL	8492	0.15	protein_coding	3	38029550	38049679	villin-like
5752	ENSG00000145173	RNF11	8521	0.15	protein_coding	11	81701943	81718127	RAS p21 protein activator (GTPase activating protein) 1
5835	ENSG00000130313	YORK1A1	8524	0.15	protein_coding	5	86565177	86571000	type A, interacting protein 1
5867	ENSG00000112685	EXOC2	8625	0.15	protein_coding	6	4851133	4851133	exocyst complex component 2
5887	ENSG00000195889	POMT2	8625	0.15	protein_coding	20	20804704	20804704	protein L-isoaspartyl (D-aspartyl) O-methyltransferase domain containing 2
5914	ENSG00000127760	RAB43	8625	0.15	protein_coding	12	12888412	12884164	RAB43, Rab GTPase, RAS oncogene family
5914	ENSG00000201920	RNA5E3	8693	0.15	protein_coding	17	6918756	6917881	ribonuclease, RNaseK
5955	ENSG00000196422	ZBTB11	8735	0.15	protein_coding	3	10181733	10139635	zinc finger and BTB domain containing 11
6011	ENSG00000189881	ZNF338	8765	0.15	protein_coding	10	43084555	43133992	structural maintenance of chromosomes 5
6032	ENSG00000193919	ZFYVE16	8821	0.15	protein_coding	5	7970382	7975169	zinc finger, FYVE domain containing 16
6038	ENSG00000194847	ZCWPY1	8838	0.15	protein_coding	17	8989489	10026015	zinc finger, LW type with PWYW domain 1
6060	ENSG00000134470	PNISR	8850	0.15	protein_coding	1	5986155	5986155	interleukin 13 receptor, alpha
6100	ENSG00000134244	PNISR	8850	0.15	protein_coding	6	9884527	98879207	PNK interacting protein/arginine-rich protein
6100	ENSG00000194889	TNFRSF10A	8879	0.15	protein_coding	8	23047965	23062690	tumor necrosis factor receptor superfamily member 10a
6106	ENSG00000119490	PLSR4	8914						

12831	ENSG00000157093	LY2L4	14605	2	0.15	protein_coding	3	4243870	42432092	lysosome like 4
12832	ENSG00000203999	ORX21	14633	8	0.15	protein_coding	7	14396150	14399215	cytolysin receptor family 2, subfamily A, member 7
12870	ENSG00000178309	TRIM73	14634	2	0.15	protein_coding	7	75024337	75020279	liparic acid methyltransferase 73
12878	ENSG000002021995	TRAF1	14639	5	0.15	protein_coding	17	27400537	27418937	TGF-beta induced anti-apoptotic factor 1
15268	ENSG00000273331	TNFRSF18	14667	8	0.15	protein_coding	3	196042963	19605244	Transmembrane 4, LG family member 19
19965	ENSG00000186446	MTRNR1B	14668	4	0.15	protein_coding	8	92712986	92718232	transmembrane receptor 18
12962	ENSG00000181499	ORBT1	14702	8	0.15	protein_coding	11	123813492	123814880	cytolysin receptor, family 6, subfamily T, member 1
12966	ENSG00000186537	PLAC8AD	14705	7	0.15	protein_coding	15	62392607	62396752	phospholipase A2, group VD (cytosolic)
12968	ENSG00000182388	FAM719B	14716	1	0.15	protein_coding	10	50381976	50381983	family with sequence similarity 170, member 8
13008	ENSG00000185640	KRT17B	14718	7	0.15	protein_coding	12	53215184	53228079	keratin 7b
15014	ENSG00000186011	STAB2	14725	5	0.15	protein_coding	12	103981051	104108095	stabilin 2
13009	ENSG00000200459	KRT16J	14728	1	0.15	protein_coding	12	39143867	39143867	keratin 16j
13085	ENSG00000085515	GSC2	14777	8	0.15	protein_coding	22	19136089	19137796	pospocoid homeobox 2
13103	ENSG000001860748	AGBL1	14788	4	0.15	protein_coding	15	86885227	87512283	ATP1G1P binding protein-like 1
13138	ENSG00000186074	AGBL1	14833	4	0.15	protein_coding	15	90485159	92019569	membrane-spanning domain protein A, member 18
13148	ENSG00000175544	CAMP4	14825	3	0.15	protein_coding	11	67219877	67226699	calcium binding protein 4
13155	ENSG00000155269	GPR17B	14829	8	0.15	protein_coding	4	8564542	8621486	G protein-coupled receptor 7b
13162	ENSG000002024471	CTPFD2	14832	5	0.15	protein_coding	4	66814526	66817132	HC02003977, Uncharacterized protein
13252	ENSG000002070299	LOC100500991	14916	5	0.15	protein_coding	20	6622720	66444	Uncharacterized protein
13310	ENSG00000175420	CACNG5	14957	5	0.15	protein_coding	17	64811235	64811603	calcium channel, voltage-dependent, gamma subunit 5
13483	ENSG00000165020	CTPFD2	15027	2	0.15	protein_coding	7	50135632	50136458	chromosome 1 open reading frame 12
13537	ENSG00000138160	METTL20	15128	2	0.15	protein_coding	12	31800094	31826048	methyltransferase like 20
13663	ENSG00000187527	ATP13A5	15144	3	0.15	protein_coding	3	19292679	19309632	ATPase type 13A5
13668	ENSG00000110338	OSRN1	15168	5	0.15	protein_coding	8	154311631	154568001	osain receptor, mu 1
13660	ENSG00000138038	LHCGR	15169	7	0.15	protein_coding	2	4885428	4886280	luteinizing hormone-releasing hormone receptor
13652	ENSG00000149292	TTIC2	15217	1	0.15	protein_coding	11	13185251	13125458	heparan sulfate repeat domain 12
13655	ENSG00000200233	LOC100500991	15218	5	0.15	protein_coding	2	3255421	3255421	HC01817310, Uncharacterized protein
13657	ENSG00000183090	FREM3	15220	4	0.15	protein_coding	4	14448455	14448128	FRAS1 related extracellular matrix 3
13666	ENSG00000186412	MTRNR1A	15226	5	0.15	protein_coding	4	18748489	18747621	metastin receptor 1A
13668	ENSG00000200262	ANDOR8A	15230	5	0.15	protein_coding	5	48717243	48717243	signal recognition domain 66
13735	ENSG00000272869	LOC100500991	15280	3	0.15	protein_coding	5	11218685	11222876	Signal recognition particle 19 kDa protein
13798	ENSG00000197037	ZSCAN25	15290	1	0.15	protein_coding	7	89214569	89220309	zinc finger protein containing 25
13770	ENSG00000125558	LHFR1L	15293	3	0.15	protein_coding	11	11181378	111923378	lipoma HMGIC fusion partner-like 1
13839	ENSG00000188501	LCTL	15348	4	0.15	protein_coding	15	66839517	66858317	lactase-like 1
13844	ENSG00000178795	GDPD4	15353	7	0.15	protein_coding	11	76927603	77012732	glycerophosphodiester phosphodiesterase domain containing 4
13847	ENSG00000125838	ORX1	15353	8	0.15	protein_coding	18	325618	325618	cytolysin receptor, family 1, subfamily F, member 1
13859	ENSG00000135973	GPR45	15366	1	0.15	protein_coding	2	10558200	10559224	G protein-coupled receptor 45
13863	ENSG00000100191	SLOC5A	15369	1	0.15	protein_coding	28	1261465	12615328	soluble carrier family 5 (glucose activated ion channel), member 4
13928	ENSG00000200579	LOC100500991	15418	5	0.15	protein_coding	8	8748	8748	Uncharacterized protein
13970	ENSG000002024963	LOC100500991	15449	2	0.15	protein_coding	X	152751314	152751314	LOC100500991
13990	ENSG00000121904	CSMD2	15483	9	0.15	protein_coding	1	3397909	3481343	CLUB and Siah multiple domains 2
14003	ENSG00000200479	FOXC15	15493	3	0.15	protein_coding	1	7013615	7013615	forkhead box O4 like 5
14160	ENSG00000174453	VWICL	15587	2	0.15	protein_coding	2	215275789	21543383	von Willebrand factor C domain containing protein 2-like
14179	ENSG000002005863	C10orf98	15601	6	0.15	protein_coding	13	24465238	24476794	C1q and tumor necrosis factor related protein 98
14208	ENSG00000186650	ODF4	15628	8	0.15	protein_coding	17	6841624	6841624	outer dense fiber of sperm flagellum
14212	ENSG000002025910	LOC100500991	15628	5	0.15	protein_coding	2	11818484	11818484	chromosome 17 open reading frame 167
14268	ENSG00000183273	CDC50	15671	1	0.15	protein_coding	12	119727125	11978852	collet-coiled coil domain containing 50
14301	ENSG00000186349	LCT	15678	6	0.15	protein_coding	2	138413288	138418378	lipocalin 1
14402	ENSG00000202921	ADORA2A	15776	4	0.15	protein_coding	22	24813847	24818378	adenosine A2a receptor
14447	ENSG00000183873	DLX3	15815	3	0.15	protein_coding	3	36733913	36781352	doubtful-like kinase 3
14458	ENSG0000017599	ZNF491	15824	4	0.15	protein_coding	19	1196362	1196362	zinc finger protein 491
14464	ENSG00000174221	HYDN	15824	4	0.15	protein_coding	X	70841281	71044429	HYDN, anterior neural plate apparatus protein
14489	ENSG00000086159	AGP8	15846	6	0.15	protein_coding	12	50360977	50370222	agouti 8, kidney specific
14501	ENSG00000152292	SH2D6	15856	2	0.15	protein_coding	2	8945844	8946152	SH2 domain containing 6
14508	ENSG00000181189	ZNF446	15859	1	0.15	protein_coding	19	4945219	4945219	zinc finger protein 546
14531	ENSG00000200208	LOC100500991	15881	2	0.15	protein_coding	3	49841278	49841278	Uncharacterized protein
14601	ENSG00000182447	OTDL1	15953	6	0.15	protein_coding	3	161214596	16122130	otolith 1
14604	ENSG00000202749	ZNF496	15955	2	0.15	protein_coding	17	1086826	107188698	Uncharacterized protein
14638	ENSG000002027124	ZNF711	15981	5	0.15	protein_coding	3	75788734	7584734	zinc finger protein 717
14660	ENSG00000151164	RAD9B	15978	1	0.15	protein_coding	12	11098840	11098891	RAD9 homolog B (S. pombe)
14706	ENSG00000202038	PATL4	15983	3	0.15	protein_coding	11	15431261	15431261	proline and basic acid phosphatase 4
14810	ENSG00000187604	PTHR1	16083	3	0.15	protein_coding	9	13045267	13048152	parathyroid hormone-related protein 1 (non-pseudogene)
14818	ENSG00000130977	POLN	16097	8	0.15	protein_coding	4	3245096	3243448	polynucleotide phosphorylase (DNA directed) nu
14900	ENSG00000188183	TRAP2	16120	4	0.15	protein_coding	5	20461448	20461448	transcription factor AP-2, epsilon (transcription factor 2 epsilon)
15112	ENSG00000184507	NUTM1	16335	1	0.15	protein_coding	15	3463516	34649938	NUT midline carcinoma, family member 1
15177	ENSG00000188981	MINT1	16637	4	0.15	protein_coding	4	3245096	3273405	MyoSAM-like DNA-binding domain containing 1
15212	ENSG00000200290	LOC100500991	16637	2	0.15	protein_coding	4	20461448	20461448	RNA, 5S ribosomal pseudogene 25
5675	ENSG000002050170	LOC100500991	8440	3	0.15	sense_intronic	3	141243975	141244963	RASA2 intronic transcript 1 (non-pseudogene)
11297	ENSG00000205196	LOC100500991	13355	5	0.15	sense_intronic	8	28801193	28813472	HMBD1 intronic transcript 1 (non-pseudogene)
14068	ENSG00000200296	LOC100500991	15203	3	0.15	sense_intronic	8	48483328	48483328	RNDA intronic transcript 1 (non-pseudogene)
15261	ENSG00000203756	DSCAM1T1	15653	2	0.15	sense_intronic	21	41987304	42002083	DSCAM intronic transcript 1 (non-pseudogene)
14348	ENSG00000202474	LOC100500991	15653	2	0.15	sense_intronic	2	134189227	134191488	NCKAP5 intronic transcript 1 (non-pseudogene)
14908	ENSG00000186039	ZNF498A	15658	1	0.15	sense_intronic	11	1229518	1229518	Small nuclear RNA L13
7060	ENSG00000122979	LOC100500991	88257	2	0.15	sense_intronic	15	25307450	25307454	Small nuclear RNA SNORD77
10036	ENSG000002027410	LOC100500991	12374	8	0.15	sense_intronic	17	86267985	86267723	Small nuclear RNA SNORA8
10778	ENSG00000186163	ZNF498B	12368	1	0.15	sense_intronic	17	17888688	17888688	Small nuclear RNA SNORA8B
10881	ENSG000002027091	SNORD116-5	15048	1	0.15	sense_intronic	15	25307450	25307454	Small nuclear RNA, C/D box 116-5
11287	ENSG000002021378	LOC100500991	13386	1	0.15	sense_intronic	14	51710808	51710942	Small nuclear RNA SNORA70
10888	ENSG00000186488	ZNF499	14493	3	0.15	sense_intronic	22	4243268	4243268	Small nuclear RNA U13
13189	ENSG00000201348	LOC100500991	14856	6	0.15	sense_intronic	20	3368768	3368768	Small nuclear RNA U5
13850	ENSG000002024037	LOC100500991	15360	5	0.15	sense_intronic	X	24151303	24151334	Small nuclear RNA SNORA68
1515	ENSG00000201722	TRAP2	7812	4	0.15	sense_intronic	4	4887173	4887173	RNA, U5 small nuclear 3, pseudogene
6241	ENSG00000202325	LOC100500991	9016	8	0.15	sense_intronic	4	119527625	119527708	RNA, U5 small nuclear 1054, pseudogene
6537	ENSG000002027451	LOC100500991	9337	7	0.15	sense_intronic	1	11286311	11286311	RNA, U5 small nuclear 291, pseudogene
6397	ENSG00000202627	LOC100500991	11048	8	0.15	sense_intronic	X	12306309	12306314	RNA, U5 small nuclear 122, pseudogene
8430	ENSG00000201762	LOC100500991	11356	6	0.15	sense_intronic	16	64981362	64981368	RNA, U5 small nuclear 345, pseudogene
8629	ENSG000002022932	LOC100500991	11487	8	0.15	sense_intronic	12	102190188	102190280	RNA, U5 small nuclear 172, pseudogene
8965	ENSG00000201390	LOC100500991	11550	4	0.15	sense_intronic	10	2195094	2195097	RNA, U5 small nuclear 1141, pseudogene
9502	ENSG00000202044	LOC100500991	11924	1	0.15	sense_intronic	16	82920265	82920265	RNA, U5 small nuclear 180, pseudogene
10185	ENSG00000202499	RN18B-6P	12493	13	0.15	sense_intronic	13	8062275		

2881	ENSG00000187230	C17orf78	4155.5	0.15	17	35732928	35749662		chromosome 17 open reading frame 78
3302	ENSG00000202497		4169.2	0.15					
3398	ENSG00000202855		5357.8	0.15					
3839	ENSG00000202152		6038.5	0.15					
4361	ENSG00000202413		6776.3	0.15					
4860	ENSG00000202633		7475.3	0.15					
5221	ENSG00000202589		7920.7	0.15					
5406	ENSG00000202496		8207.8	0.15					
5543	ENSG00000189811		8277.8	0.15					
5801	ENSG00000202490		8570.3	0.15					
6083	ENSG00000202499		8642.4	0.15					
6380	ENSG00000202826		9140.5	0.15					
6485	ENSG00000204128		9295.5	0.15					
6751	ENSG00000271141		9530.2	0.15					
7024	ENSG00000202144		9758.8	0.15					
7145	ENSG00000202693		9897.5	0.15					
7414	ENSG00000202111		10153	0.15					
7450	ENSG00000204437		10193.9	0.15					
7591	ENSG00000202592		10336.5	0.15					
7796	ENSG00000202495		10518.5	0.15					
8020	ENSG00000202194		10727.7	0.15					
8090	ENSG00000202499		10783	0.15					
8104	ENSG00000202499		10792.9	0.15					
8156	ENSG00000204155		10850.1	0.15					
8159	ENSG00000202847		10850.9	0.15					
8180	ENSG00000202693		10851.4	0.15					
8345	ENSG00000202729		11001.9	0.15					
8634	ENSG00000204049		11242.2	0.15					
8753	ENSG00000202801		11338.1	0.15					
8808	ENSG00000202137		11386.9	0.15	22	18124172	18124285		Small nuclear RNA U13
8949	ENSG00000271032		11504.1	0.15					
8964	ENSG00000202134		11520.2	0.15					
9046	ENSG00000202193		11586.9	0.15					
9179	ENSG00000202793		11689.4	0.15					
9219	ENSG00000273018		11724.3	0.15					
9257	ENSG00000202652		11833.9	0.15					
9417	ENSG00000202919		11874.3	0.15					
9548	ENSG00000202300		11993.2	0.15					
9608	ENSG00000202161		12038.4	0.15					
9825	ENSG00000202504		12216.5	0.15					
9833	ENSG00000202804		12221.3	0.15					
9940	ENSG00000202699		12229	0.15					
9948	ENSG00000218422		12301.3	0.15					
9958	ENSG00000202970		12307.6	0.15					
9988	ENSG00000202318		12445.2	0.15					
10013	ENSG00000202464		12558.1	0.15					
10140	ENSG00000202701		12455.8	0.15					
10159	ENSG00000202640		12472	0.15					
10164	ENSG00000202012		12477.6	0.15					
10170	ENSG00000202746		12479.6	0.15					
10206	ENSG00000213976		12508	0.15					
10371	ENSG00000219698		12626.1	0.15					
10373	ENSG00000202322		12628.6	0.15					
10420	ENSG00000202819		12696	0.15					
10597	ENSG00000202042		12804.3	0.15					
10628	ENSG00000271927		12829.2	0.15					
10722	ENSG00000202109		12917.6	0.15					
10748	ENSG00000202804		12940.3	0.15					
10749	ENSG00000202027		12940.4	0.15					
10793	ENSG00000202907		12985.1	0.15					
10912	ENSG00000202783		13090.7	0.15					
10954	ENSG00000202716		13116.1	0.15					
11031	ENSG00000202131		13168.4	0.15					
11067	ENSG00000202429		13196.2	0.15					
11207	ENSG00000202973		13305.8	0.15					
11220	ENSG00000202391		13330.5	0.15					
11301	ENSG00000202429		13401	0.15					
11324	ENSG00000202628		13414.2	0.15					
11327	ENSG00000202971		13419.9	0.15					
11378	ENSG00000202716		13465.8	0.15					
11440	ENSG00000202948		13520.9	0.15					
11465	ENSG00000202782		13550.2	0.15					
11513	ENSG00000202688		13587.6	0.15					
11574	ENSG00000202412		13636.7	0.15					
11609	ENSG00000202737		13685.5	0.15					
11632	ENSG00000202588		13682.1	0.15					
11649	ENSG00000202822		13696.7	0.15					
11652	ENSG00000202145		13701.2	0.15					
11691	ENSG00000202029		13737.5	0.15					
11697	ENSG00000202749		13741.8	0.15					
11720	ENSG00000202728		13796.3	0.15					
11729	ENSG00000202029		13771.4	0.15					
11812	ENSG00000204339		13834.4	0.15					
11887	ENSG00000202047		13901.2	0.15	14	23286463	23291750		Uncharacterized protein
11888	ENSG00000215306		13909.2	0.15					
11926	ENSG00000202126		13927.9	0.15					
11962	ENSG00000202782		13953	0.15					
11970	ENSG00000202180		13958.9	0.15					
11971	ENSG00000202426		13976	0.15					
12008	ENSG00000204173		13984.4	0.15	12	57621757	57621860		Y RNA
12016	ENSG00000202691		13990.4	0.15					
12016	ENSG00000202691		13990.4	0.15					
12028	ENSG00000202526		14002.6	0.15					
12042	ENSG00000202241		14015.7	0.15					
12053	ENSG00000202522		14019.9	0.15					
12062	ENSG00000202637		14029	0.15					
12106	ENSG00000202031		14059.3	0.15					
12120	ENSG00000202031		14058.3	0.15					
12138	ENSG00000202406		14085	0.15					
12156	ENSG00000202879		14093.5	0.15					
12166	ENSG00000202522		14099.1	0.15					
12180	ENSG00000202780		14110.6	0.15					
12183	ENSG00000202818		14115.4	0.15	14	36256005	36256168		Small nuclear RNA U13
12202	ENSG00000202178		14125.5	0.15					
12204	ENSG00000202876		14126.4	0.15					
12296	ENSG00000202892		14187.1	0.15					
12291	ENSG00000202128		14188.6	0.15					
12263	ENSG00000202870		14189.3	0.15					
12267	ENSG00000202871		14171.4	0.15					
12291	ENSG00000202893		14190.9	0.15					
12294	ENSG00000202382		14198.9	0.15					
12296	ENSG00000202967		14202.2	0.15					
12316	ENSG00000202839		14216.1	0.15					
12333	ENSG00000202025		14229.9	0.15					
12337	ENSG00000202146		14232.7	0.15					
12358	ENSG00000202549		14248.8	0.15					
12368	ENSG00000202717		14255.3	0.15					
12396	ENSG00000202922		14272.5	0.15					
12398	ENSG00000202838		14273.1	0.15					
12403	ENSG00000202129		14276.3	0.15					
12407	ENSG00000202918		14278.7	0.15					
12427	ENSG00000202349		14284.3	0.15					
12452	ENSG00000204910		14316.8	0.15					
12490	ENSG00000202312		14347.7	0.15					
12491	ENSG00000191071		14350.7	0.15					
12492	ENSG00000202163		14350.5	0.15					
12516	ENSG00000202036		14372.9	0.15					
12526	ENSG00000202549		14379.2	0.15					
12541	ENSG00000202152		14398.7	0.15					
12552	ENSG00000202678		14396.4	0.15					
12556	ENSG00000202629		14398.6	0.15					
12556	ENSG00000202629		14399	0.15					
12577	ENSG00000202907		14419.6	0.15					
12578	ENSG00000202119		14419.9	0.15					
12580	ENSG00000202483		14421	0.15					

12721	ENSG000002041150	14519.1	0.15					
12728	ENSG00000208889	14525	0.15					
12731	ENSG00000255028	14525.2	0.15					
12733	ENSG000002031137	14529.3	0.15					
12738	ENSG00000204366	14532.7	0.15					
12739	ENSG00000204291	14534.3	0.15					
12746	ENSG00000208480	14539.7	0.15	18	23879079	23879219		Small nucleolar RNA U3
12749	ENSG000002027427	14541.7	0.15					
12752	ENSG00000201085	14543.9	0.15					
12759	ENSG00000256018	14551.8	0.15					
12764	ENSG00000204571	14553	0.15					
12765	ENSG00000203786	14553.6	0.15					
12766	ENSG000002036506	14553.7	0.15					
12769	ENSG00000211511	14556.8	0.15					
12771	ENSG00000205420	14558.2	0.15					
12775	ENSG000002035772	14560.9	0.15					
12778	ENSG000002029382	14561.7	0.15					
12779	ENSG000002017025	14564.7	0.15					
12788	ENSG000002054483	14569.3	0.15					
12792	ENSG000002084843	14573	0.15					
12800	ENSG000002034549	14581	0.15					
12810	ENSG000002084015	14586.9	0.15					
12814	ENSG000002058569	14588.7	0.15					
12823	ENSG000002020883	14599.2	0.15					
12824	ENSG000002025606	14599.4	0.15					
12825	ENSG000002025241	14599.9	0.15					
12829	ENSG000002044295	14603.2	0.15					
12839	ENSG000002027288	14610.6	0.15					
12840	ENSG000002080030	14611.1	0.15					
12842	ENSG000002084653	14611.6	0.15	7	157098487	157098785		RNA, 7SL, cytoplasmic 142, pseudogene
12845	ENSG000002024907	14616.7	0.15					
12853	ENSG000002022266	14620	0.15	9	130596230	130596321		Y RNA
12858	ENSG000002024491	14623.6	0.15					
12864	ENSG000002031216	14629.2	0.15					
12868	ENSG000002038673	14630.8	0.15	7	56166352	56168445		Small nucleolar RNA U13
12879	ENSG000002017471	14639.8	0.15					
12880	ENSG000002051131	14640.1	0.15					
12886	ENSG000002056422	14648.4	0.15					
12888	ENSG000002080288	14649.3	0.15					
12901	ENSG000002033427	14651	0.15					
12902	ENSG000002028183	14651.7	0.15					
12904	ENSG000002020889	14653.8	0.15					
12913	ENSG00000202094	14659.3	0.15					
12930	ENSG000002056874	14668.7	0.15					
12937	ENSG000002026241	14673.1	0.15					
12940	ENSG000002044571	14675.1	0.15					
12943	ENSG000002057872	14677.1	0.15					
12948	ENSG000002045883	14686.9	0.15					
12960	ENSG000002027863	14688	0.15					
12962	ENSG000002053823	14691	0.15					
12972	ENSG000002051085	14696	0.15					
12986	ENSG00000218368	14706.9	0.15					
12993	ENSG000002070259	14710.4	0.15					
12994	ENSG000002048115	14710.8	0.15					
12995	ENSG000002049317	14711.1	0.15					
13000	ENSG000002033307	14713.8	0.15					
13001	ENSG000002083475	14714.9	0.15					
13002	ENSG000002020786	14715.8	0.15					
13004	ENSG000002033268	14717.2	0.15					
13010	ENSG000002038140	14722.4	0.15					
13017	ENSG000002025891	14723.7	0.15					
13019	ENSG000002028770	14732.6	0.15					
13020	ENSG000002019823	14733.4	0.15					
13022	ENSG000002017193	14734.8	0.15					
13024	ENSG000002058216	14736.9	0.15					
13032	ENSG000002050256	14743.9	0.15					
13034	ENSG000002056556	14744	0.15					
13041	ENSG000002028428	14747.6	0.15					
13061	ENSG000002032827	14787.1	0.15					
13064	ENSG000002046473	14789.9	0.15					
13065	ENSG000002070891	14770	0.15					
13073	ENSG000002032825	14772.4	0.15					
13074	ENSG000002054488	14772.5	0.15					
13076	ENSG00000205438	14773	0.15					
13077	ENSG000002013860	14774	0.15					
13084	ENSG000002020438	14783.5	0.15					
13088	ENSG000002083346	14778.2	0.15					
13092	ENSG000002083960	14782.6	0.15					
13098	ENSG000002020273	14785.4	0.15					
13101	ENSG000002038475	14788	0.15	12	63044955	63045068		Small nucleolar RNA U13
13107	ENSG000002048346	14795.7	0.15					
13128	ENSG000002028483	14810.2	0.15					
13131	ENSG00000215022	14813.3	0.15					
13135	ENSG000002027813	14815.1	0.15					
13143	ENSG000002020522	14820.4	0.15					
13144	ENSG00000217271	14820.4	0.15					
13156	ENSG000002038842	14831.2	0.15	3	10175069	10175172		Small nucleolar RNA U13
13160	ENSG000002026400	14837	0.15					
13161	ENSG00000202629	14837.5	0.15					
13165	ENSG000002071042	14839.5	0.15					
13168	ENSG000002042375	14843.9	0.15					
13174	ENSG000002086935	14846.8	0.15					
13184	ENSG000002020574	14851.2	0.15					
13186	ENSG000002020747	14853	0.15					
13188	ENSG000002020520	14857.1	0.15					
13189	ENSG0000020287838	14865.9	0.15					
13206	ENSG000002080969	14879.6	0.15					
13210	ENSG000002056460	14883.2	0.15					
13213	ENSG000002037292	14886.6	0.15					
13217	ENSG000002054605	14888	0.15					
13220	ENSG000002071096	14891.2	0.15					
13225	ENSG000002072134	14894.6	0.15					
13226	ENSG000002072377	14897.6	0.15					
13229	ENSG000002020208	14898.9	0.15					
13236	ENSG0000020196274	14902.1	0.15					
13238	ENSG000002030312	14903.8	0.15					
13240	ENSG000002030795	14913.4	0.15					
13257	ENSG000002031967	14919.3	0.15					
13260	ENSG000002043355	14921.7	0.15					
13270	ENSG000002028153	14926.1	0.15					
13273	ENSG000002088911	14930.2	0.15					
13275	ENSG000002085758	14932	0.15					
13279	ENSG000002020215	14936.6	0.15					
13282	ENSG000002052872	14939.2	0.15	7	116073268	116073354		Small nucleolar RNA 2185
13290	ENSG000002081864	14947.2	0.15					
13300	ENSG000002021452	14952.2	0.15					
13303	ENSG000002032638	14952.9	0.15					
13307	ENSG000002070775	14956	0.15					
13312	ENSG000002052988	14960.3	0.15					
13314	ENSG000002053679	14960.9	0.15					
13316	ENSG000002080600	14961.8	0.15					
13318	ENSG000002051158	14962.7	0.15					
13319	ENSG000002026374	14962.9	0.15					
13323	ENSG0000020287253	14964.9	0.15					
13332	ENSG000002031401	14972.6	0.15					
13336	ENSG000002039886	14975.6	0.15					
13337	ENSG000002024846	14978.8	0.15					
13350	ENSG000002020538	14984.7	0.15					
13353	ENSG00000204546	14986.1	0.15					
13356	ENSG000002055058	14987.8	0.15					
13362	ENSG000002020262	14991.6	0.15					
13364	ENSG000002086344	14995.9	0.15					
13368	ENSG00000215023	15000.6	0.15					
13369	ENSG00000206339	15001.4	0.15	17	20244056	20244356		RNA, 7SL, cytoplasmic 17, pseudogene
13371	ENSG000002056466	15003.1	0.15					
13377	ENSG000002084820	15008.8	0.15					
13381	ENSG000002083176	15009.2	0.15					
13384	ENSG00000203708	15011	0.15					
13387	ENSG000002058960	15016	0.15					
13389	ENSG000002053988	15016.6	0.15					
13399	ENSG000002053137	15024.3	0.15					
13400	ENSG000002058640	15024.3	0.15					
13401	ENSG000002070720	15026.1	0.15					
13402	ENSG000002054302	15026.2	0.15					
13408	ENSG000002058617	15029.2	0.15					
13411	ENSG000002028817	15030.4	0.15					
13414	ENSG000002020223	15033.1	0.15					
13423	ENSG000002044609	15040.1	0.15	1	24063100	24063380		RNA, 7SL, cytoplasmic 532, pseudogene
13433	ENSG000002022686	15051.7	0.15					
13439	ENSG000002011270	15055.9	0.15					
13441	ENSG000002028031	15056.9	0.15					

13442	ENSG00000272832		15057.9	0.15					
13445	ENSG00000207153		15059.9	0.15					
13448	ENSG00000224104		15060.3	0.15					
13450	ENSG00000272551		15062.1	0.15					
13451	ENSG00000225291		15063.9	0.15					
13453	ENSG00000215173		15065.9	0.15					
13455	ENSG00000230229		15069.7	0.15					
13462	ENSG00000226442		15074.6	0.15					
13463	ENSG00000226432		15075.1	0.15					
13465	ENSG00000229854		15075.4	0.15					
13470	ENSG00000226478		15080.6	0.15					
13471	ENSG00000225382		15081.9	0.15					
13474	ENSG00000250490		15083.2	0.15	7	27920106	27920397		RNA 75L, cytoplasmic 365, pseudogene
13475	ENSG00000250178		15083.4	0.15					
13477	ENSG00000225153		15084	0.15					
13479	ENSG00000252620		15084.9	0.15					
13481	ENSG00000228122		15086.5	0.15					
13482	ENSG00000225439		15087.2	0.15					
13484	ENSG00000226500		15087.2	0.15					
13485	ENSG00000211572	LY2L6	15088	0.15	17	34261522	34270703		lysostzyme-like 6
13491	ENSG00000222020		15088.6	0.15					
13503	ENSG00000228194		15102.4	0.15					
13504	ENSG00000224765		15102.8	0.15					
13509	ENSG00000240687		15104.3	0.15					
13512	ENSG00000229513		15107.2	0.15					
13520	ENSG00000220589		15114.8	0.15					
13524	ENSG00000248586		15115.4	0.15					
13526	ENSG000002229010		15117.6	0.15					
13538	ENSG00000217378		15129.9	0.15					
13541	ENSG00000243824		15131.3	0.15					
13543	ENSG00000215444		15131.9	0.15					
13547	ENSG00000225428		15133.3	0.15					
13549	ENSG00000251099		15133.8	0.15					
13551	ENSG00000237349		15136	0.15					
13553	ENSG00000221288		15139.3	0.15					
13554	ENSG00000224064		15139.5	0.15					
13556	ENSG00000214132		15140.3	0.15					
13561	ENSG00000225589		15143	0.15					
13565	ENSG00000257588		15145	0.15					
13568	ENSG00000217680		15148.3	0.15					
13575	ENSG00000225573		15153.9	0.15					
13577	ENSG00000228173		15154.8	0.15					
13578	ENSG00000237189		15155.3	0.15					
13579	ENSG00000240476		15155.4	0.15					
13581	ENSG00000228474		15155.6	0.15	17	76494911	76499138		DNAH17 antisense RNA 1
13583	ENSG00000215284		15157.8	0.15					
13587	ENSG00000222951		15159.1	0.15					
13589	ENSG00000244345		15160.1	0.15					
13591	ENSG00000257800		15161.8	0.15					
13596	ENSG000002196174	ANKRD20A1	15169.8	0.15	9	67926761	67969840		ankyrin repeat domain 20 family, member A1
13604	ENSG00000225486		15172.1	0.15					
13607	ENSG00000232863		15174.1	0.15					
13617	ENSG00000211642		15185.1	0.15					
13621	ENSG00000241385		15188.4	0.15					
13622	ENSG00000254321		15190.1	0.15					
13623	ENSG00000226211		15190.6	0.15					
13624	ENSG00000225783		15190.8	0.15					
13626	ENSG00000226767		15192.3	0.15					
13627	ENSG00000229716		15193.1	0.15					
13634	ENSG00000225922		15196.1	0.15					
13638	ENSG00000226141		15202.9	0.15					
13650	ENSG00000222809		15212.2	0.15					
13651	ENSG00000224942		15216	0.15					
13664	ENSG00000237713		15224.8	0.15					
13670	ENSG00000217411		15227	0.15					
13672	ENSG00000221761		15228.9	0.15					
13673	ENSG00000226989		15229.2	0.15					
13674	ENSG00000224827		15230	0.15					
13675	ENSG00000222988		15230.3	0.15					
13682	ENSG00000224017		15234.8	0.15					
13685	ENSG00000220370		15238.8	0.15					
13686	ENSG00000270333		15239.2	0.15					
13687	ENSG00000222607		15240.1	0.15					
13690	ENSG00000225118		15244.3	0.15					
13695	ENSG00000250105		15247	0.15					
13698	ENSG00000222498		15248.3	0.15					
13699	ENSG00000223119		15249.8	0.15					
13700	ENSG00000213514		15249.9	0.15					
13703	ENSG00000224359		15252.5	0.15					
13707	ENSG00000225647		15256.8	0.15	16	87731749	87739290		HCG1980662, Uncharacterized protein
13709	ENSG00000231285		15257.3	0.15					
13711	ENSG00000254192		15258.5	0.15					
13714	ENSG00000223379		15261.2	0.15					
13717	ENSG00000225158		15265.5	0.15					
13723	ENSG000002261053		15269	0.15					
13730	ENSG00000226576		15277	0.15					
13733	ENSG00000224100		15280.1	0.15					
13740	ENSG00000226387		15282.4	0.15	1	222881579	222881873		RNA 75L, cytoplasmic 276, pseudogene
13745	ENSG00000226225		15283.9	0.15					
13752	ENSG00000225981		15287.6	0.15	1	35729823	35730863		RNA 75L, cytoplasmic 136, pseudogene
13757	ENSG00000216754		15288.9	0.15					
13759	ENSG00000221336		15290.1	0.15					
13760	ENSG00000224120		15292.2	0.15					
13765	ENSG000002258121		15297.8	0.15					
13771	ENSG00000222894		15300.6	0.15					
13772	ENSG00000221418		15301.3	0.15					
13774	ENSG000002254596		15303.5	0.15					
13775	ENSG00000217062		15303.6	0.15					
13776	ENSG00000225490		15306.1	0.15					
13778	ENSG000002266455		15306.9	0.15	19	36155398	36155724		RNA 75L, cytoplasmic 765, pseudogene
13781	ENSG00000254185		15308.7	0.15					
13783	ENSG00000226166		15310.6	0.15					
13786	ENSG00000231443		15312.9	0.15					
13795	ENSG00000222944		15317.6	0.15					
13806	ENSG00000221298		15327	0.15					
13809	ENSG000002265015		15327.2	0.15					
13813	ENSG00000225389		15330.6	0.15					
13814	ENSG00000223344		15332.9	0.15					
13817	ENSG00000231189		15334.1	0.15					
13821	ENSG00000224154		15335.1	0.15					
13823	ENSG00000222103		15336.3	0.15					
13826	ENSG00000248138		15339.2	0.15					
13837	ENSG00000226768		15345.4	0.15					
13840	ENSG00000222663		15347.3	0.15					
13842	ENSG00000211702		15350.2	0.15					
13846	ENSG00000248329		15359.5	0.15					
13853	ENSG00000221583		15363.9	0.15					
13856	ENSG00000238263		15365.4	0.15					
13860	ENSG00000225605		15366.7	0.15					
13863	ENSG00000228144		15368.8	0.15					
13865	ENSG00000270591		15371.7	0.15					
13869	ENSG00000241593		15373.2	0.15					
13870	ENSG00000212726		15373.6	0.15					
13874	ENSG00000229721		15377	0.15					
13883	ENSG00000253659		15381.2	0.15					
13884	ENSG00000226129		15382	0.15					
13887	ENSG00000225431		15385.5	0.15					
13893	ENSG00000224127		15394.9	0.15					
13895	ENSG00000240151		15395.1	0.15					
13900	ENSG00000213033		15401.6	0.15					
13901	ENSG00000241765		15401.8	0.15					
13904	ENSG000002281211		15405.6	0.15					
13906	ENSG00000222912		15406.1	0.15					
13907	ENSG00000228780		15408	0.15					
13908	ENSG000002299810		15409.1	0.15	15	10008447	10008578		HCG19532-40, Serologically defined breast cancer antigen NY-BR-40, Uncharacterized protein
13913	ENSG00000225785		15411.5	0.15					
13921	ENSG00000225133		15414.9	0.15					
13934	ENSG00000227113		15428.7	0.15					
13939	ENSG00000225154		15431.2	0.15					
13941	ENSG000002258437		15432.7	0.15					
13945	ENSG000002287488		15435.2	0.15					
13949	ENSG00000224980		15436.5	0.15					
13955	ENSG000002178467		15441.4	0.15					
13956	ENSG00000222595		15443.2	0.15					
13960	ENSG00000217203		15444.9	0.15					
13966	ENSG00000234647		15448.7	0.15					
13972	ENSG00000214853		15450.4	0.15					
13975	ENSG00000225472		15452.6	0.15					
13981	ENSG00000203364		15457	0.15					

13992	ENSG000002070196		15458.6	0.15					
13988	ENSG000002049903		15460.9	0.15					
13992	ENSG000002034699		15465.3	0.15					
13993	ENSG000002065130		15466.3	0.15					
13986	ENSG000002056089		15469.7	0.15					
14002	ENSG000002027163		15474.5	0.15					
14005	ENSG000002024717		15475.8	0.15					
14013	ENSG000002050362		15482	0.15					
14015	ENSG000002030366		15483.5	0.15					
14016	ENSG000002087661		15484.4	0.15					
14025	ENSG000002030898		15484	0.15					
14031	ENSG000002030258		15486.4	0.15					
14034	ENSG000002043574		15487.7	0.15					
14035	ENSG000002037086		15487.8	0.15					
14040	ENSG000002025737		15504.2	0.15					
14045	ENSG0000020287162		15508.5	0.15					
14047	ENSG000002049737		15509.1	0.15					
14066	ENSG000002021071		15517.5	0.15					
14060	ENSG000002057063		15517.5	0.15					
14066	ENSG000002056312		15521.7	0.15					
14068	ENSG000002030376		15522.1	0.15					
14073	ENSG000002057048		15525.2	0.15					
14074	ENSG000002143544		15526.4	0.15					
14075	ENSG000002046932		15526	0.15					
14076	ENSG000002070332		15526.7	0.15					
14081	ENSG000002028908		15532	0.15					
14082	ENSG000002019005		15533.1	0.15					
14088	ENSG000002026842		15537.8	0.15					
14091	ENSG000002052114		15539.3	0.15	14	23486367	23486590		Small nuclear RNA SNCRAT3 family
14108	ENSG000002036533		15545.6	0.15					
14110	ENSG000002058743		15553.2	0.15					
14130	ENSG000002052177	FAM106A	15562.1	0.15	17	20320741	20322363		family with sequence similarity 106, member B
14131	ENSG000002069655		15564	0.15					
14135	ENSG000002040107		15565.8	0.15					
14136	ENSG000002043116		15568	0.15					
14141	ENSG000002030368		15570.3	0.15					
14144	ENSG000002030936		15573.3	0.15					
14151	ENSG000002029352		15579.6	0.15					
14155	ENSG000002034458		15584.8	0.15					
14168	ENSG000002026963		15595.9	0.15					
14180	ENSG000002058212		15603.5	0.15					
14183	ENSG000002046430		15608.8	0.15					
14198	ENSG000002089800		15617.8	0.15					
14199	ENSG000002054401		15618.8	0.15					
14202	ENSG000002041140		15625.6	0.15					
14204	ENSG000002025960		15626.2	0.15					
14207	ENSG000002050796		15628.7	0.15					
14210	ENSG000002011517		15632.5	0.15					
14214	ENSG000002081051		15636.1	0.15					
14215	ENSG000002034112		15639.7	0.15					
14221	ENSG000002017138		15644.6	0.15					
14224	ENSG000002040269		15647.1	0.15					
14225	ENSG000002060377		15647.3	0.15					
14227	ENSG000002072690		15654.6	0.15					
14240	ENSG000002013374		15656.2	0.15					
14242	ENSG000002024649		15661.7	0.15					
14250	ENSG000002038362		15668	0.15					
14265	ENSG000002025651		15687.9	0.15					
14288	ENSG000002058195		15690.7	0.15					
14292	ENSG000002070815		15693.6	0.15					
14295	ENSG000002026360		15695.2	0.15					
14302	ENSG000002041345		15698.4	0.15					
14306	ENSG000002040859		15701.1	0.15					
14309	ENSG000002010311		15701.3	0.15	10	104285722	104286001		RNA, 7SL, cytoplasmic 21, pseudogene
14311	ENSG000002048487		15703.6	0.15					
14312	ENSG000002054451		15703.6	0.15					
14318	ENSG000002049903		15703.9	0.15					
14322	ENSG000002050145		15711.7	0.15					
14335	ENSG000002020561		15724.7	0.15					
14337	ENSG000002048559		15725.9	0.15					
14339	ENSG000002051414		15729.1	0.15					
14343	ENSG000002082445		15731.6	0.15					
14344	ENSG000002015551		15735.1	0.15					
14355	ENSG000002027728		15744.2	0.15					
14356	ENSG000002058416		15748.1	0.15					
14367	ENSG000002037026		15753.1	0.15					
14368	ENSG000002022815		15753.8	0.15					
14386	ENSG000002043383		15771.5	0.15					
14388	ENSG000002050688		15773.7	0.15					
14393	ENSG00000201082		15776.1	0.15					
14406	ENSG000002059883		15780.7	0.15					
14407	ENSG000002050198		15782	0.15					
14418	ENSG000002053197		15792.1	0.15					
14428	ENSG000002028730		15798.8	0.15					
14429	ENSG000002028133		15799	0.15					
14432	ENSG000002015198		15800.8	0.15					
14436	ENSG000002024015		15805.6	0.15					
14450	ENSG000002081744		15819	0.15					
14451	ENSG000002031986		15827.5	0.15					
14488	ENSG000002081959		15845.4	0.15					
14492	ENSG000002050511		15851.6	0.15					
14497	ENSG000002010254		15854.1	0.15					
14498	ENSG000002020478		15855.4	0.15	9	69377502	69380597		LOC441426 protein, Uncharacterized protein
14504	ENSG000002050075		15858.3	0.15					
14506	ENSG000002050121		15878.8	0.15					
14528	ENSG000002054380		15879.5	0.15					
14529	ENSG000002089136		15880	0.15					
14534	ENSG00000201604		15885.8	0.15					
14541	ENSG0000020188525		15888.8	0.15					
14547	ENSG000002071639		15894.7	0.15					
14549	ENSG00000201343		15894.8	0.15					
14551	ENSG000002072431		15897.9	0.15					
14579	ENSG000002040241		15915.9	0.15					
14587	ENSG000002030331		15920.7	0.15					
14597	ENSG000002031438		15929	0.15					
14598	ENSG000002049875		15930.1	0.15					
14605	ENSG000002050268		15934.6	0.15					
14616	ENSG000002025735		15945.5	0.15					
14632	ENSG000002052686		15957.9	0.15					
14634	ENSG000002050663		15962.3	0.15					
14644	ENSG000002028488		15967.7	0.15					
14651	ENSG000002080954		15970.9	0.15					
14674	ENSG000002060657		15986.1	0.15	14	92038788	92041383		Uncharacterized protein
14687	ENSG000002037118		15997.5	0.15					
14700	ENSG000002071018		16007.8	0.15					
14703	ENSG000002020647		16013.9	0.15					
14717	ENSG0000020281654		16024	0.15					
14734	ENSG000002031057		16033.3	0.15					
14768	ENSG000002028955		16058.8	0.15					
14772	ENSG000002035565		16065.8	0.15					
14775	ENSG000002035354		16068.8	0.15					
14782	ENSG000002050658		16073.3	0.15					
14797	ENSG000002080441		16081.1	0.15					
14811	ENSG000002059081		16093.5	0.15					
14814	ENSG000002040334		16095.6	0.15					
14847	ENSG000002052131		16120.3	0.15					
14849	ENSG000002058762		16122.3	0.15					
14853	ENSG000002026260		16125	0.15					
14865	ENSG000002040478		16138.5	0.15					
14867	ENSG000002026266		16139.3	0.15					
14867	ENSG000002040499		16171.2	0.15					
14915	ENSG000002058942		16174.5	0.15					
14929	ENSG000002070540		16184.3	0.15					
14974	ENSG000002053395		16220.5	0.15					
14984	ENSG000002081736		16232.3	0.15					
15000	ENSG000002056851		16236.5	0.15					
15146	ENSG000002027495		16388.3	0.15					
15160	ENSG000002011073		16372	0.15					
15242	ENSG000002028389		16443.1	0.15					
15290	ENSG000002027732		16487.8	0.15					
15406	ENSG000002018416		16551.5	0.15					
15542	ENSG000002089534		16684.1	0.15					
19342	ENSG000002087365	KCNJ2-AS1	12636.4	0.14	antisense	17	68163102	68165543	KCNJ2 antisense RNA 1 (read to head)
19343	ENSG000002019167		14370.1	0.14	antisense	8	126052926	126057211	KIAA1068 antisense RNA 1
19307	ENSG000002050218	ALDH1L1-AS1	14880.3	0.14	antisense	3	125822483	125826912	ALDH1L1 antisense RNA 1
14523	ENSG000002024204	PHEX-AS1	15874.3	0.14	antisense	X	22100850	22101100	PHEX antisense RNA 1
14705	ENSG000002050433	CLSTN2-AS1	16014.6	0.14	antisense	3	140224453	140227631	CLSTN2 antisense RNA 1
15085	ENSG000002056661		16115	0.14	antisense	12	8928815	8983545	AZML1 antisense RNA 1
19102	ENSG000002024122	POU6F2-AS1	16328.4	0.14	antisense	7	3944197	39445945	POU6F2 antisense RNA 1
15128									

16167	ENS00000223394		16384	0.14	antisense	13	94477077	94488397	GPCR antisense RNA 2
15218	ENS0000021118	INHBA-AS1	16633	0.14	antisense	7	41733584	41733584	INHBA antisense RNA 1
15267	ENS00000234996		16545	0.14	antisense	X	150343954	150343958	GPCR3 antisense RNA 1
16491	ENS0000020253893	LOC101929100	16612	0.14	antisense	8	8025341	8041136	family with sequence similarity 85, member B
16514	ENS0000020254949	HMS2T-AS1	16715	0.14	antisense	X	131801670	13180318	HMS2T antisense RNA 1
16649	ENS0000020254949	CYP11B-AS1	16747	0.14	antisense	1	38029791	38029791	CYP11B antisense RNA 1
16652	ENS000002025190	AATA-AS1	16748	0.14	antisense	17	79139307	79156964	AATA antisense RNA 1
16705	ENS0000020264952		16786	0.14	antisense	17	19552996	19552488	1 RNA
16866	ENS00000203014	ELOV2-AS1	17034	0.14	antisense	3	11047459	11074589	ELOV2 antisense RNA 1
16955	ENS00000224808		17078	0.14	antisense	3	9058077	9057683	SRGA3 antisense RNA 1
16142	ENS000002057842		17338	0.14	antisense	14	21067616	21275973	NOVAT antisense RNA 1 (head to head)
1405	ENS00000224041		17594	0.14	IG D gene	2	10038494	10038499	immunoglobulin heavy diversity 4-11 (non-functional)
13130	ENS000002029490		18412	0.14	IG V gene	15	20102909	20183370	immunoglobulin heavy variable 3JCR157 (pseudogene)
11840	ENS000002021229		13988	0.14	IG J pseudogene	14	10661782	10661782	immunoglobulin heavy variable 3-4 (pseudogene)
12849	ENS0000020178457	LINC020314	14473	0.14	lincRNA	21	29305662	29395562	long intergenic non-protein coding RNA 314
13046	ENS0000020206986	LINC020423	14750	0.14	lincRNA	13	33451569	33485788	long intergenic non-protein coding RNA 423
3710	ENS000002020156	LINC020443	15096	0.14	lincRNA	107	10726294	10726451	long intergenic non-protein coding RNA 443
13857	ENS000002026516	FAM138B	15366	0.14	lincRNA	2	114334959	114334959	family with sequence similarity 138, member B
13966	ENS000002020962		15447	0.14	lincRNA	13	99612295	99613373	long intergenic non-protein coding RNA 507
14260	ENS0000020217691	LINC01115	15973	0.14	lincRNA	7	752837	752837	long intergenic non-protein coding RNA 1115
14346	ENS0000020196273	LINC020523	15736	0.14	lincRNA	14	101123587	101142406	long intergenic non-protein coding RNA 523
14698	ENS000002022526	LINC020626	15976	0.14	lincRNA	1	168756177	168762124	long intergenic non-protein coding RNA 626
14800	ENS0000020202921	CASC16	16092	0.14	lincRNA	16	5269002	52690017	cancer susceptibility candidate 16 (non-protein coding)
14816	ENS0000020257477		16097	0.14	lincRNA	12	54822087	54823187	long intergenic non-protein coding RNA 1154
14984	ENS0000020179935	LINC020682	16225	0.14	lincRNA	20	18769295	18774799	long intergenic non-protein coding RNA 682
15047	ENS0000020204100	LINC020691	16290	0.14	lincRNA	11	11926496	119353145	long intergenic non-protein coding RNA 900
15103	ENS0000020251372	LINC020489	16329	0.14	lincRNA	4	138230865	138454598	long intergenic non-protein coding RNA 459
15365	ENS0000020206951	ZNF503-AS1	16522	0.14	lincRNA	10	17602977	17733258	ZNF503 antisense RNA 1
15473	ENS00000201133		16584	0.14	lincRNA	12	5265642	5265642	chromosome 12 centromeric region frame 80
15549	ENS0000020202062	MIRLET7D-IT2	16670	0.14	lincRNA	9	96938884	96968850	MIRLET7D long non-protein coding
15719	ENS000002011690	LINC00574	16797	0.14	lincRNA	6	17016417	170202669	long intergenic non-protein coding RNA 574
15720	ENS000002013739		16812	0.14	lincRNA	12	1262814	1262814	long intergenic non-protein coding RNA 582
16172	ENS000002047624	CPEB2-AS1	17155	0.14	lincRNA	4	14911585	15003699	CPEB2 antisense RNA 1 (head to head)
4751	ENS00000202761	MIR635	7308	0.14	miRNA	17	66420592	66420689	miR-635
6935	ENS000002024601	MIR425	6271	0.14	miRNA	19	49817125	49817125	miR-425
7519	ENS0000020218195	MIR941-3	10257	0.14	miRNA	20	62551085	62551201	miR-941-3
11412	ENS0000020209013	MIR652	13486	0.14	miRNA	X	109298557	109298954	miR-652
12554	ENS0000021238	MIR548L	14918	0.14	miRNA	11	94181848	94181848	miR-548L
13956	ENS0000020208555	MIR145	15166	0.14	miRNA	6	138756300	138756431	miR-145
13976	ENS0000020207821	MIR640	15375	0.14	miRNA	19	19454827	19454967	miR-640
14231	ENS000002024371	MIR425	6271	0.14	miRNA	19	49817125	49817125	miR-425
14443	ENS0000020252965	MIR276	15910	0.14	miRNA	13	24736555	24736643	miR-276
14989	ENS0000020284101	MIR4899	15884	0.14	miRNA	1	5622732	5622801	miR-4899
14707	ENS0000020261607	MIR626	16616	0.14	miRNA	17	10662106	10662183	miR-626
14740	ENS0000020295911	MIR5010	16960	0.14	miRNA	10	60662068	60662125	miR-5010
14989	ENS0000020285311	MIR4524A	16230	0.14	miRNA	1	67095683	67095797	miR-4524a
15088	ENS000002021862	MIR1290	8845	0.14	miRNA	1	19223995	19223992	miR-1290
15091	ENS000002027296		8845	0.14	miRNA	6	22637660	22637781	miR-1290
6847	ENS0000020253088		9259	0.14	misc. RNA	7	15209965	15209978	Y RNA
6744	ENS0000020206999		9524	0.14	misc. RNA	8	10094028	10094035	Y RNA
9805	ENS000002021047		11672	0.14	misc. RNA	10	74842252	74842363	Y RNA
9138	ENS0000020207086		11699	0.14	misc. RNA	2	9755392	9755392	Y RNA
9461	ENS000002041868		11912	0.14	misc. RNA	3	19612482	19612489	RNA 7SL, cytoplasmic 434, pseudogene
9396	ENS0000020203311		12016	0.14	misc. RNA	11	11186466	11186477	Y RNA
10431	ENS0000020203030		12876	0.14	misc. RNA	12	4952636	4952630	Y RNA
10449	ENS0000020202081		12986	0.14	misc. RNA	9	11491366	11491377	Y RNA
10731	ENS0000020203664		12993	0.14	misc. RNA	8	87717114	87717114	RNA 7SL, cytoplasmic 743, pseudogene
11015	ENS000002043227		13159	0.14	misc. RNA	4	110371931	11037224	RNA 7SL, cytoplasmic 55, pseudogene
11135	ENS000002019530		13250	0.14	misc. RNA	4	8386581	8386588	Y RNA
11481	ENS0000020202326		13593	0.14	misc. RNA	4	12692118	12692118	Y RNA
12365	ENS000002021388		14252	0.14	misc. RNA	9	132883085	132883191	Y RNA
12449	ENS000002041983		14315	0.14	misc. RNA	19	39859793	39860089	RNA 7SL, cytoplasmic 566, pseudogene
12998	ENS0000020202111		14331	0.14	misc. RNA	15	15141088	15141071	RNA, Reverse-transcriptase 276
13530	ENS0000020199762		15120	0.14	misc. RNA	6	47456803	47456906	Y RNA
13626	ENS0000020252615		15193	0.14	misc. RNA	6	151699135	151699234	Y RNA
13977	ENS0000020202611		15266	0.14	misc. RNA	6	22961417	22961417	RNA 7SK small nuclear pseudogene 276
14269	ENS000002043370		15679	0.14	misc. RNA	17	17081279	17082020	RNA 7SL, cytoplasmic 775, pseudogene
14466	ENS0000020204113	LOC101927137	15830	0.14	misc. RNA	17	4786270	4786591	RNA 7SL, cytoplasmic 784, pseudogene
14502	ENS0000020202064		15833	0.14	misc. RNA	4	6763193	6763193	RNA 7SL, cytoplasmic 297, pseudogene
14560	ENS0000020229822		15902	0.14	misc. RNA	10	476181	476444	RNA 7SL, cytoplasmic 754, pseudogene
14596	ENS0000020252485		15927	0.14	misc. RNA	2	208872604	208872688	Vault RNA
14603	ENS0000020202631		15934	0.14	misc. RNA	10	3228348	3228348	RNA 7SL, cytoplasmic 825, pseudogene
14624	ENS000002021012		15953	0.14	misc. RNA	6	13575642	13575747	Y RNA
14756	ENS0000020202279		16047	0.14	misc. RNA	X	13898936	13898937	Y RNA
14781	ENS000002021748		16047	0.14	misc. RNA	11	11733748	11733748	Y RNA
14862	ENS0000020202028		16163	0.14	misc. RNA	12	5473634	5473645	RNA 7SL, cytoplasmic 744, pseudogene
14927	ENS0000020252985		16183	0.14	misc. RNA	12	27965807	27965919	Y RNA
14933	ENS0000020206710		16183	0.14	misc. RNA	6	18903883	18903883	RNA 7SL, cytoplasmic 44, pseudogene
15027	ENS000002040183		16292	0.14	misc. RNA	2	11289732	11289804	RNA 7SL, cytoplasmic 297, pseudogene
15064	ENS0000020206369		16300	0.14	misc. RNA	2	70302150	70302404	RNA 7SL, cytoplasmic 470, pseudogene
15088	ENS0000020204978		16313	0.14	misc. RNA	12	84225148	84225148	RNA 7SL, cytoplasmic 630, pseudogene
15330	ENS0000020232361		16493	0.14	misc. RNA	17	59951445	59951445	Y RNA
2124	ENS0000020235511		13319	0.14	processed pseudogene	9	131104432	131105049	thymosin beta 4, 2-linked pseudogene 4
2943	ENS000002023676		6669	0.14	processed pseudogene	8	10776955	10777043	integrin 1 pseudogene 1
6303	ENS0000020198901		8627	0.14	processed pseudogene	3	9995110	9995110	zinc finger protein 32 pseudogene 1
8309	ENS0000020226049		9098	0.14	processed pseudogene	17	32363700	32366891	tusled-like kinase 2 pseudogene 1
6946	ENS0000020202703		9618	0.14	processed pseudogene	17	67344874	67351102	small nuclear ribonucleoprotein polypeptide G pseudogene 4
9378	ENS0000020203916		9618	0.14	processed pseudogene	21	15390914	15390914	ras homolog family member 11 pseudogene 2
6683	ENS0000020177173		10118	0.14	processed pseudogene	1	117097558	117097558	nucleosome assembly protein 1-like 4 pseudogene 1
9078	ENS000002015529		11622	0.14	processed pseudogene	7	12626016	12626940	capicua transcriptional repressor pseudogene 14
10503	ENS0000020270427		12734	0.14	processed pseudogene	16	11128081	11128081	ribosomal protein L7 pseudogene 46
10871	ENS0000020252226		13043	0.14	processed pseudogene	8	10899544	10899544	nuclear receptor binding factor 2 pseudogene 4
11814	ENS0000020202378		13257	0.14	processed pseudogene	6	16999378	16999378	mitochondrial ribosomal protein S10 pseudogene 1
11818	ENS0000020202950		13840	0.14	processed pseudogene	2	85101829	85102144	ribosomal protein L12 pseudogene 18
12091	ENS000002041464		14023	0.14	processed pseudogene	3	128497381	128498332	MAP1B/indole 3-pyruvate synthase pseudogene 1
12383	ENS0000020234652		14281	0.14	processed pseudogene	Y	3161849	3162897	1-acylglycerol-3-phosphate O-acyltransferase 5 pseudogene 1
12706	ENS0000020225364		14569	0.14	processed pseudogene	5	132284185	132284185	ATPase, H+ transporting, lysosomal 9kDa, VO subunit 1 pseudogene 1
12787	ENS000002022347								

14513	ENSG00000248880	15864	0.14	processed_pseudogene	4	18933825	189310820	NMDA receptor regulated 2 pseudogene 1
14517	ENSG00000255718	15870	0.14	processed_pseudogene	8	860448	860448	heterogeneous nuclear ribonucleoprotein A1 pseudogene 37
14533	ENSG00000241088	15883	0.14	processed_pseudogene	18	60082011	60083460	ribosomal protein L1T pseudogene 44
14542	ENSG00000248336	15891	0.14	processed_pseudogene	4	63376187	63376489	high mobility group nucleosome binding domain 1 pseudogene 11
14555	ENSG00000237952	15900	0.14	processed_pseudogene	13	23377439	23377787	ribosomal protein L7A pseudogene 73
14565	ENSG00000229221	15928	0.14	processed_pseudogene	2	63979833	63979834	heterogeneous nuclear ribonucleoprotein A1 pseudogene 66
14599	ENSG00000215351	15930	0.14	processed_pseudogene	21	22200445	22200445	peptidylprolyl isomerase A (cyclophilin A) pseudogene 1
14601	ENSG00000248191	15976	0.14	processed_pseudogene	4	13548218	13548293	perlecan fibronectin biosynthesis factor 1 pseudogene 1
14728	ENSG00000249992	16016	0.14	processed_pseudogene	11	18290884	18290884	ribosomal protein S8 pseudogene 16
14794	ENSG00000215438	16028	0.14	processed_pseudogene	13	60848190	60848190	TAR DNA binding protein pseudogene 2
14820	ENSG00000250490	16104	0.14	processed_pseudogene	8	3287279	32874581	ribosomal protein S23 pseudogene 4
14866	ENSG00000250591	16109	0.14	processed_pseudogene	17	87963962	87963962	small nuclear ribonucleoprotein polypeptide G pseudogene 17
14872	ENSG00000244900	16142	0.14	processed_pseudogene	12	11237142	11237142	Y box binding protein 2 pseudogene 1
14880	ENSG00000223982	16146	0.14	processed_pseudogene	1	231811102	231812034	nucleoskeleton 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 45
14891	ENSG00000223918	16162	0.14	processed_pseudogene	5	11555373	115553992	ribosomal protein S2 pseudogene 41
14914	ENSG00000226827	16175	0.14	processed_pseudogene	7	11297308	11298162	high mobility group nucleosomal binding domain 2 pseudogene 27
14940	ENSG00000253405	16191	0.14	processed_pseudogene	8	142489175	142470131	nucleoskeleton 1 (small nuclear ribonucleoprotein D2) pseudogene 2
14969	ENSG00000221981	16202	0.14	processed_pseudogene	1	17033804	17033908	nucleoskeleton 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 11
15041	ENSG00000213355	16274	0.14	processed_pseudogene	2	95403082	95403084	heterogeneous nuclear ribonucleoprotein A1 pseudogene 38
15046	ENSG00000251568	16280	0.14	processed_pseudogene	5	5737583	57376949	HAUS augmin-like complex, subunit G pseudogene 1
15070	ENSG00000215277	16304	0.14	processed_pseudogene	6	87831411	87832408	calponin 2 pseudogene 8
15091	ENSG00000270098	16329	0.14	processed_pseudogene	4	72300122	72303641	ALG3, alpha-1,3-mannosyltransferase pseudogene 1
15116	ENSG00000213559	16338	0.14	processed_pseudogene	3	57927545	57928031	nucleoskeleton 1, EF-hand calcium binding domain pseudogene 1
15124	ENSG00000202185	16366	0.14	processed_pseudogene	1	53460398	53461698	peptidylprolyl isomerase A (cyclophilin A) pseudogene 16
15171	ENSG00000228147	16386	0.14	processed_pseudogene	1	53460398	53461698	CCNA-NOT transcription complex, subunit 7 pseudogene 2
15226	ENSG00000242498	16428	0.14	processed_pseudogene	21	35507327	35508317	lactate dehydrogenase A-like (E6, pseudogene)
15507	ENSG00000229814	16532	0.14	processed_pseudogene	3	93707478	93707790	leucine zipper-EF-hand calcium binding domain pseudogene 1
15551	ENSG00000259563	16672	0.14	processed_pseudogene	12	133548924	133549476	high mobility group nucleosome binding domain 1 pseudogene 7
15634	ENSG00000203113	16702	0.14	processed_pseudogene	8	8831186	8831186	NANOGN8 pseudogene 2
15651	ENSG00000202922	16748	0.14	processed_pseudogene	15	42873354	42873986	cytochrome oxidase subunit VIc pseudogene 16
15768	ENSG00000270382	16830	0.14	processed_pseudogene	10	74905844	74906083	eukaryotic translation initiation factor 4E binding protein 2 pseudogene 2
15781	ENSG00000202922	16830	0.14	processed_pseudogene	8	7431508	7431508	eukaryotic translation initiation factor 4A2 pseudogene 2
15970	ENSG00000241984	16995	0.14	processed_pseudogene	14	39682546	39682546	PKCdelta pseudogene 2
16267	ENSG00000230997	17225	0.14	processed_pseudogene	14	90388132	90388132	ribosomal protein L7a pseudogene 2
16278	ENSG00000250481	17248	0.14	processed_pseudogene	1	409118	409118	
14760	ENSG00000275911	17049	0.14	processed_transcript	9	98512153	98512153	RAS2 antisense RNA 1 (head to head)
16653	ENSG00000260986	18748	0.14	processed_transcript	X	148993049	148993359	long intergenic non-coding RNA 476
16660	ENSG00000259959	18754	0.14	processed_transcript	X	17541768	17541768	FMR1 antisense RNA 1
988	ENSG00000158234	1734	0.14	protein_coding	4	7843298	7852388	ZRANB3 antisense RNA 2 (head to head)
998	ENSG00000138755	1779	0.14	protein_coding	4	78922428	78922428	chemokine (C-X-C motif) ligand 13
1129	ENSG0000017224	1873	0.14	protein_coding	8	78922428	78922428	chemokine (C-X-C motif) ligand 9
1073	ENSG00000209268	1879	0.14	protein_coding	21	38569768	38569768	chemokine (C-X-C motif) ligand 19
1188	ENSG00000213886	2059	0.14	protein_coding	1	29523252	2952702	ubiquitin D
2242	ENSG00000198491	2061	0.14	protein_coding	1	18629578	18629578	CD7 molecule
2175	ENSG00000204927	2148	0.14	protein_coding	1	11481708	11481708	tumor necrosis factor receptor superfamily, member 4
2816	ENSG00000100079	2481	0.14	protein_coding	22	37962626	37962626	lectin, galactoside-binding, soluble, 2
2938	ENSG00000204010	3171	0.14	protein_coding	10	8113718	8113718	interferon-induced protein with tetrahydropteridyl repeats 1B
2922	ENSG00000114868	3149	0.14	protein_coding	42	43362492	43362492	solute carrier family 14 (solute transporter), member 1 (Kidd blood group)
3038	ENSG00000111666	3471	0.14	protein_coding	12	10200725	10213718	choline phosphotransferase 1
3033	ENSG00000171552	4272	0.14	protein_coding	20	3025225	30211792	BC2L1-like 1
3088	ENSG00000191426	4827	0.14	protein_coding	20	47753290	47753290	complement component 5a receptor 1
3171	ENSG00000137101	4973	0.14	protein_coding	9	3569539	3569539	CD72 molecule
3180	ENSG00000173886	4983	0.14	protein_coding	17	47300724	47300724	cytochrome oxidase subunit I
3189	ENSG00000182886	5017	0.14	protein_coding	6	21809926	21809926	desmoplakin binding protein
3221	ENSG00000182885	5047	0.14	protein_coding	6	5770209	5770209	G-protein coupled receptor 97
3285	ENSG00000131296	5153	0.14	protein_coding	1	4050595	4050595	CAP, adenylyl cyclase-associated protein 1 (yeast)
3434	ENSG00000198128	5203	0.14	protein_coding	16	5248156	5248156	major histocompatibility complex, class II, DR beta 1
3433	ENSG00000181444	5404	0.14	protein_coding	7	148481271	148470568	zinc finger protein 467
3446	ENSG00000184730	5503	0.14	protein_coding	16	2850570	28510291	zinc finger protein 8 receptor
3498	ENSG00000197963	5518	0.14	protein_coding	16	8471184	8471184	membrane-associated protein C12L 2 (G alpha13 protein ligase)
3677	ENSG00000177105	5610	0.14	protein_coding	11	3848208	3862213	ras homology family member G
3685	ENSG00000258809	5714	0.14	protein_coding	10	14560556	14816986	family with sequence similarity 107, member B
3758	ENSG0000011198	5727	0.14	protein_coding	10	43721162	43721162	ubiquitin domain-containing 2
3768	ENSG00000213389	5813	0.14	protein_coding	6	33032346	33048552	major histocompatibility complex, class II, DP alpha 1
3789	ENSG00000208002	5834	0.14	protein_coding	4	178331924	178336357	asparaginylglycosylaminidase
3835	ENSG00000201227	6007	0.14	protein_coding	14	76881268	76881268	basic leucine zipper transcription factor, ATF-like
3863	ENSG00000254413	6081	0.14	protein_coding	22	51007298	51021394	CHKB-CPT1B readthrough (NMD candidate)
3905	ENSG00000135272	6129	0.14	protein_coding	7	114562209	114562209	MyD family intracellular domain containing
3941	ENSG00000148353	6129	0.14	protein_coding	8	8208124	8208124	guanine nucleotide binding protein (G-protein), alpha inhibitory activity polypeptide 2
3960	ENSG00000174844	6208	0.14	protein_coding	3	15059205	15059205	guanine nucleotide binding protein (G-protein), alpha 12
3989	ENSG00000132340	6283	0.14	protein_coding	10	1314449	1314449	ophrin
4017	ENSG00000181868	6294	0.14	protein_coding	10	386824	386824	transmembrane protein 158
4022	ENSG00000131274	6295	0.14	protein_coding	X	11786155	11786202	SEC13-like 1, receptor, alpha 1
4027	ENSG00000128657	6342	0.14	protein_coding	17	7808798	7813179	SEC14-like 1 (S. cerevisiae)
4065	ENSG00000199177	6383	0.14	protein_coding	13	9108811	9108811	interferon-induced protein with tetrahydropteridyl repeats 3
4128	ENSG00000209926	6440	0.14	protein_coding	18	59215515	59254004	ferrochelatase
4129	ENSG00000191148	6441	0.14	protein_coding	18	334273	334273	nitrogen permease ferredoxin-like 3 (S. cerevisiae)
4131	ENSG00000151533	6442	0.14	protein_coding	17	7943128	7943128	anti-Cdk1 cyclin 1, paimin1
4190	ENSG00000154814	6532	0.14	protein_coding	19	39076281	39190522	mitogen-activated protein kinase kinase kinase 1
4281	ENSG00000173114	6656	0.14	protein_coding	7	110731062	11076510	leucine rich repeat neuronal 3
4304	ENSG00000192207	6718	0.14	protein_coding	13	4626287	4626287	cytoskeleton leukotriene receptor 2
4332	ENSG00000149913	6727	0.14	protein_coding	10	6663777	6664779	CKLF-like MARVEL transmembrane domain containing 3
4330	ENSG00000144118	6733	0.14	protein_coding	2	12099740	12105229	v-src family tyrosine viral oncogene homolog B
4348	ENSG00000178784	6762	0.14	protein_coding	8	12379683	12386970	zinc fingers and homeobox 2
4384	ENSG00000194781	6800	0.14	protein_coding	9	63914154	63914154	ankyrin family member 3
4417	ENSG00000097264	6867	0.14	protein_coding	9	3797797	3802127	megalocystocyte-associated tyrosine kinase
4442	ENSG00000188178	6869	0.14	protein_coding	12	1245168	1245168	complement component 1, subcomponent-like
4450	ENSG00000208263	6904	0.14	protein_coding	8	3381544	3381544	transmembrane protein 14
4451	ENSG00000202277	6911	0.14	protein_coding	9	42592683	42700737	POU class 2 homeobox 2
4454	ENSG00000170379	6919	0.14	protein_coding	7	143318043	143427802	family with sequence similarity 115, member C
4456	ENSG00000184001	6919	0.14	protein_coding	7	30371202	30371202	protein tyrosine phosphatase type 11A, member 2
4570	ENSG00000195054	7075	0.14	protein_coding	7	116018115	116037869	cell division cycle 28
4576	ENSG00000195476	7075	0.14	protein_coding	10	2933922	2934215	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)
4610	ENSG00000209269	7118	0.14	protein_coding	17	73823306	73840798	vesicular, cytoskeleton 1 on cytoskeleton, protein 1
4651	ENSG00000191208	7188	0.14	protein_coding	5	1316310	13167989	solute carrier family 22 (organic cation/zwitterion transporter), member 4
4677	ENSG00000192466	7179	0.14	protein_coding	5	41901117	41901117	ribonucleoside diphosphate substrate 2, 3kDa
4747	ENSG00000150204	7295	0.14	protein_coding	8	12918849	129244891	ET4-like factor 4 (tet domain transcription factor)
4757	ENSG00000159753	7312	0.14	protein_coding	16	6767822	67691472	RGD motif leucine rich repeats, intronless domain and proline-rich containing
4768	ENSG00000133931	7341	0.14	protein_coding	10	11582523	11582523	solute carrier family 10 (neutral amino acid transporter), member AC1
4778	ENSG00000120899	7351	0.14	protein_coding	8	2716899	2716903	protein tyrosine kinase 2 beta
4780	ENSG00000128354	7352	0.14	protein_coding	X	118749887	11882733	scp16
4820	ENSG00000192977	7433	0.14	protein_coding	1	4702900	4702915	MAP kinase interacting serine/threonine kinase 1
4892	ENSG00000101071	7509	0.14	protein_coding	X	100		

7929	ENSG00000183738	HTRK1	10263	2	0.14	protein_coding	12	6485560	6485988	TANF-binding kinase 1
7931	ENSG00000190548	MIR1871	10263	3	0.14	antisense_intronic	14	4567243	4567243	45S18 binding protein 1
7939	ENSG00000039442	POSS5	10268	6	0.14	protein_coding	13	3316054	33352157	POSS5, regulator of cohesion maintenance, homolog B (S. cerevisiae)
7963	ENSG00000122008	POLK	10676	5	0.14	protein_coding	5	74807581	74809669	polymerase (DNA directed) kappa
7971	ENSG00000040528	ZNF280	10678	4	0.14	protein_coding	19	56281023	56311307	zinc finger protein 586
8011	ENSG00000135551	PPW1C	10717	3	0.14	protein_coding	5	6485560	6485560	poly(ADP-ribose) polymerase 3 and WD repeat containing 1
8024	ENSG00000235863	B3GAL74	10730	1	0.14	protein_coding	6	33244917	33252009	UDP-Gal-beta:GlcNAc beta 1,3-galactosyltransferase, polypeptide 4
8061	ENSG00000196233	LCCR	10769	4	0.14	protein_coding	10	9852017	9874900	ligand dependent nuclear receptor corepressor
8075	ENSG00000171965	ZNF217	10833	4	0.14	protein_coding	4	5213908	52228446	zinc finger protein 217
8162	ENSG00000048471	SMK29	10832	3	0.14	protein_coding	16	12075994	12088946	sorting nexin 29
8179	ENSG00000196589	LIBA	10852	6	0.14	protein_coding	4	15185584	15183679	LPS-responsive vesicle trafficking, beach and anchor containing
8272	ENSG00000202891	ZEB2L	10927	2	0.14	protein_coding	11	10833953	10833953	zinc finger, BED-type containing 58
8303	ENSG00000146221	CCDC82	10972	7	0.14	protein_coding	11	98085533	98123087	coiled-coil domain containing 82
8373	ENSG00000100483	VCPW1	11029	4	0.14	protein_coding	14	5057530	5058310	vacuolar containing protein lysine (K) methyltransferase
8421	ENSG00000101921	DNK8	11097	7	0.14	protein_coding	17	4282452	4282452	GCN5 (Ada-class) box polypeptide 58
8584	ENSG00000136709	WOR33	11209	9	0.14	protein_coding	2	12848586	12856561	WD repeat domain 33
8680	ENSG00000138296	NUP122	11456	1	0.14	protein_coding	17	2754284	27621136	nuclear fragile X mental retardation protein interacting protein 2
8690	ENSG00000197174	ZNF460	11506	4	0.14	protein_coding	19	5718419	57304837	zinc finger protein 460
9235	ENSG00000135250	SRPK2	11733	4	0.14	protein_coding	7	10475151	10503975	SRSF protein kinase 2
9644	ENSG00000149292	INTS4	12069	7	0.14	protein_coding	11	7789766	77705724	integrator complex subunit 4
9668	ENSG00000202443	ZNF776	12094	2	0.14	protein_coding	19	3263164	32630152	zinc finger protein 776
9668	ENSG00000105778	AVL9	12088	9	0.14	protein_coding	7	3253058	33078516	AVL9 homolog (S. cerevisiae)
9679	ENSG00000153933	DGKE	12252	6	0.14	protein_coding	17	54911460	54944036	diacylglycerol kinase, epsilon 64kDa
9925	ENSG00000125900	SBRP	12280	5	0.14	protein_coding	20	1534697	1534849	signal-regulatory protein delta
9968	ENSG00000128908	INCB0	12315	6	0.14	protein_coding	15	4127078	41408552	INO80 complex subunit
10172	ENSG00000117643	MAN1C1	12480	1	0.14	protein_coding	1	29943959	26112698	mannosidase, alpha, class 1C, member 1
10181	ENSG00000202920	IBP8	12491	1	0.14	protein_coding	14	28624927	28629611	G3 ubiquitin-protein ligase RNF31
10328	ENSG00000197520	FAM177B	12584	8	0.14	protein_coding	4	22291049	22292447	family with sequence similarity 177, member B
10479	ENSG00000198488	TMEM165A	12719	5	0.14	protein_coding	17	4136358	41372061	transmembrane protein 165A
10671	ENSG00000165714	TRIP10	12810	3	0.14	protein_coding	11	14826303	14826303	peptidylglyoxal isomerase A (cystopallin A-like 4D)
10680	ENSG00000202484	INP5B	13001	8	0.14	protein_coding	1	3832636	38417229	inositol polyphosphate-5-phosphatase, 75kDa
10977	ENSG00000188542	DUSP28	13136	6	0.14	protein_coding	2	24149471	24150341	dual specificity phosphatase 28
11108	ENSG00000158821	PCSTL1	13207	1	0.14	protein_coding	11	14871670	14871670	invariant polyphosphatase 1 like
11180	ENSG00000157036	EOC3	13287	1	0.14	protein_coding	3	38537618	38538352	endotoxin-conjugase (E-3)-1, endotoxin-conjugase G-like
11410	ENSG00000202444	ZNF736	13847	5	0.14	protein_coding	7	6376787	63815238	zinc finger protein 736
11767	ENSG00000165939	TRIP19	14059	3	0.14	protein_coding	17	14737608	14737608	senne polyphosphatase 3
11844	ENSG00000118138	DNAC16	13984	5	0.14	protein_coding	7	1585308	15918874	DNAI (Hsp40) homolog, subfamily C, member 16
11971	ENSG00000154263	ABCA10	13959	5	0.14	protein_coding	17	6714335	67240987	ATP-binding cassette, sub-family A (ABC1), member 10
12143	ENSG00000195883	ATM1	14059	3	0.14	protein_coding	14	784818	784818	ATM1 homolog 3
12271	ENSG00000117262	GPR98B	14175	5	0.14	protein_coding	11	15784411	145827103	G protein-coupled receptor 98A
12360	ENSG00000190783	TEX12	14250	1	0.14	protein_coding	11	11203895	11243282	testis expressed 12
12368	ENSG00000100472	CATSPER1	14263	1	0.14	protein_coding	19	479624	479624	cat sperm protein 17
12387	ENSG00000133962	CATSPERB	14263	1	0.14	protein_coding	14	9204700	92347051	cat sperm auxiliary subunit beta
12530	ENSG00000202324	SLC26A8	14382	1	0.14	protein_coding	5	33897279	34124633	Complement C1a tumor necrosis factor-related protein 3
12538	ENSG00000116555	SLC26A8	14382	1	0.14	protein_coding	6	59911291	35926205	solute carrier family 26 (anion exchanger), member 8
12883	ENSG00000158821	STOML3	14542	3	0.14	protein_coding	16	38643082	38643082	stromalysin 3
12894	ENSG00000148655	C10orf11	14447	3	0.14	protein_coding	10	7736098	78191925	chromosome 10 open reading frame 11
12979	ENSG00000202553	TNFR10	14459	1	0.14	protein_coding	3	5091029	50910112	transmembrane protein 110
12986	ENSG00000178171	ZNF619	14712	7	0.14	protein_coding	5	49518004	49531127	zinc finger protein 619
13025	ENSG00000178175	ZNF366	14737	3	0.14	protein_coding	5	71738479	71803564	zinc finger protein 366
13100	ENSG00000188817	SNRN1	14782	2	0.14	protein_coding	3	6363834	6369498	snRNA, class small nuclear protein
13186	ENSG00000197329	NKX2-2	14827	3	0.14	protein_coding	14	80742581	80784181	NKX2-2, nuclear factor 1, subfamily E, member 2
13366	ENSG00000244355	LYG6D	14997	8	0.14	protein_coding	6	11683133	31685581	lymphocyte antigen 6 complex, locus G6D
13388	ENSG00000214021	OR11L3	15016	1	0.14	protein_coding	3	9849710	9898922	olfactory receptor, family 1, subfamily C, member 11
13454	ENSG00000198984	CLNK	15181	8	0.14	protein_coding	4	1048019	1088849	cytokine-dependent hematopoietic cell linker
13495	ENSG00000183806	SPDYA	15096	3	0.14	protein_coding	2	2300583	29073477	speedy/RINGO cell cycle regulator family member A
13596	ENSG00000198984	CLNK	15181	8	0.14	protein_coding	4	1048019	1088849	cytokine-dependent hematopoietic cell linker
13601	ENSG00000198984	CLNK	15181	8	0.14	protein_coding	4	1048019	1088849	cytokine-dependent hematopoietic cell linker
13671	ENSG00000202959	IBSP	15227	3	0.14	protein_coding	4	8873073	8873073	integrin-binding sialoprotein
13704	ENSG00000147234	FRMPD3	15253	8	0.14	protein_coding	X	10675880	10684881	FERM and PZD domain containing 3
13714	ENSG00000196239	RSN1	15270	3	0.14	protein_coding	5	544518	579628	Barlitz syndrome, related, with sensorineural deafness (Barlitz)
13728	ENSG00000202640	LOC82895	15275	5	0.14	protein_coding	7	5486897	54868746	NADH-cytochrome B5 reductase-like. Uncharacterized protein
13843	ENSG00000219921	LOC28995	15351	1	0.14	protein_coding	2	24289138	24284472	Protein, LOC28995
13875	ENSG00000200330	LOC82895	15351	1	0.14	protein_coding	2	24289138	24284472	Protein, LOC28995
13925	ENSG00000181562	EDOM3A	15417	8	0.14	protein_coding	14	2121405	2121639	epididymal protein 3A
13947	ENSG00000195998	DFBF	15435	6	0.14	protein_coding	1	3773845	38011993	DNA fragmentation factor, 49kDa, beta polypeptide (caspase-activated DNase)
14000	ENSG00000204999	DFBF	15435	6	0.14	protein_coding	1	3773845	38011993	DNA fragmentation factor, 49kDa, beta polypeptide (caspase-activated DNase)
14071	ENSG00000121653	GHSR	15524	4	0.14	protein_coding	3	17126263	172166246	growth hormone secretagogue receptor
14145	ENSG00000172762	FADS5	15573	7	0.14	protein_coding	17	72873428	72899708	fatty acid desaturase 6
14147	ENSG00000191138	LOC82895	15573	5	0.14	protein_coding	16	7028184	7028184	C-type lectin domain 18, member C
14192	ENSG00000177398	UMODL1	15614	4	0.14	protein_coding	21	4346508	43563563	umodulin-like 1
14194	ENSG00000204854	C10orf19	15617	1	0.14	protein_coding	13	24881304	24886673	C1q and tumor necrosis factor related protein 9
14201	ENSG00000188602	LOC82895	15617	1	0.14	protein_coding	13	24881304	24886673	C1q and tumor necrosis factor related protein 9
14269	ENSG00000198119	OR8A1	15672	7	0.14	protein_coding	11	12443983	12444103	olfactory receptor, family 8, subfamily A, member 1
14271	ENSG00000209003	OR8A1	15672	7	0.14	protein_coding	14	23025534	23027899	olfactory receptor, family 8, subfamily A, member 1
14291	ENSG00000195428	TRMT4	15680	7	0.14	protein_coding	14	7243868	7243868	Uncharacterized protein
14308	ENSG00000198830	HTR1E	15701	3	0.14	protein_coding	6	87847024	8778249	5-hydroxytryptamine (serotonin) receptor 1E, G protein-coupled
14317	ENSG00000178330	OR7C1	15707	6	0.14	protein_coding	19	14999568	14911023	olfactory receptor, family 7, subfamily C, member 1
14328	ENSG00000196458	C10orf13	15707	6	0.14	protein_coding	10	5888187	5888187	chromosome 10 open reading frame 53
14370	ENSG00000193495	UVSSA	15754	4	0.14	protein_coding	4	1341054	138173	UV-stimulated scaffold protein A
14371	ENSG00000204699	C9orf57	15755	1	0.14	protein_coding	4	4666292	4666773	chromosome 9 open reading frame 57
14384	ENSG00000196581	SLC18A1	15768	8	0.14	protein_coding	8	22004587	22004587	solute carrier family 18 (vesicular monoamine transporter), member 1
14414	ENSG00000183206	POTEC	15786	8	0.14	protein_coding	18	14507338	1453584	POTE arginyl domain family, member C
14415	ENSG00000106410	NOBOX	15787	9	0.14	protein_coding	7	14408433	144107320	NOBOX cognome homeobox
14420	ENSG00000188124	CRAG2	15793	3	0.14	protein_coding	11	878281	879208	olfactory receptor, family 2, subfamily AB, member 2
14438	ENSG00000172921	DNAC16	15807	5	0.14	protein_coding	7	1585308	15918874	DNAC16 domain-containing protein 1
14465	ENSG00000119509	INVS	15830	2	0.14	protein_coding	9	10281538	103003282	inversin
14465	ENSG00000178155	RNF5	15830	6	0.14	protein_coding	5	14445079	14443312	ring finger protein 5
14545	ENSG00000189655	WNT9B	15919	6	0.14	protein_coding	17	44910967	44940596	wntless-type MMTV intron site family, member 9B
14627	ENSG00000188927	MYX	15954	4	0.14	protein_coding	X	41396687	41396687	nyctalpin
14631	ENSG00000162710	LOC82895	15957	6	0					

14007	ENSG00000251836	15476.8	0.14	sense_intronic	4	10773342	10773537	EMCN intronic transcript 1 (non-protein coding)
14458	ENSG00000202571	15476.8	0.14	sense_intronic	12	215813	215869	CACNA2C intronic transcript 2 (non-protein coding)
15155	ENSG00000249885	16375.3	0.14	sense_intronic	4	10642927	10649195	ARHGGEF38 intronic transcript 1 (non-protein coding)
7819	ENSG00000202109	16375.3	0.14	snRNA	3	53367087	53367155	Small nuclear RNA SNORD38
11433	ENSG00000238149	15319.9	0.14	snRNA	1	12561300	12561451	Small nuclear RNA HACA box 58A
12903	ENSG00000214341	14397.7	0.14	snRNA	X	68912968	68912968	Small nuclear RNA U5
13322	ENSG00000212371	14884	0.14	snRNA	14	7792627	7792779	Small nuclear RNA SNORD46
13416	ENSG00000201062	15039	0.14	snRNA	7	6453096	64531090	Small nuclear RNA SNORA15
13864	ENSG00000202045	15399.4	0.14	snRNA	21	33910059	33910144	Small nuclear RNA SNORA33
13984	ENSG00000252226	15668.6	0.14	snRNA	1	15616184	15616184	Small nuclear RNA SNORA26
14028	ENSG00000252592	15662.6	0.14	snRNA	1	26065108	26065109	Small nuclear RNA SNORD60
14378	ENSG00000202427	15759.9	0.14	snRNA	11	46780316	46780423	Small nuclear RNA SNORD61
14918	ENSG00000207022	16178.1	0.14	snRNA	1	93311616	93311739	Small nuclear RNA SNORA51
15267	ENSG00000252461	16467.1	0.14	snRNA	16	28992971	28992928	Small nuclear RNA SNORA43
15508	ENSG00000203695	16533.2	0.14	snRNA	19	71732470	71732504	small nuclear RNA HACA box 100
4730	ENSG00000202052	7279.5	0.14	snRNA	6	111043453	111043551	RNA_U6 small nuclear 957, pseudogene
6078	ENSG00000202627	10770.9	0.14	snRNA	1	53270780	53270884	RNA_U6 small nuclear 969, pseudogene
10046	ENSG00000202107	12394.2	0.14	snRNA	X	53159963	53159723	RNA_U7 small nuclear 37, pseudogene
10387	ENSG00000198954	12632.4	0.14	snRNA	3	37181818	37181921	RNA_U6 small nuclear 130 L, pseudogene
10655	ENSG00000252739	12658.3	0.14	snRNA	4	103758204	103758256	RNA_U7 small nuclear 151, pseudogene
10968	ENSG00000234203	12994.9	0.14	snRNA	6	105621292	105621398	RNA_U6 small nuclear 43 V, pseudogene
11539	ENSG00000252892	13811.4	0.14	snRNA	2	65211880	65211948	RNA_U6 small nuclear 548, pseudogene
12098	ENSG00000252552	14024.8	0.14	snRNA	1	17495561	17495578	RNA_U6 small nuclear 307, pseudogene
12478	ENSG00000201278	14338.3	0.14	snRNA	18	3984959	3984985	RNA_U6 small nuclear 83 L, pseudogene
12489	ENSG00000198577	14347.5	0.14	snRNA	3	20310457	20310562	RNA_U6 small nuclear 822, pseudogene
12696	ENSG00000272215	14412.8	0.14	snRNA	12	112002625	112002687	RNA_U7 small nuclear RNA
12943	ENSG00000203033	14462.6	0.14	snRNA	11	222010675	222010778	RNA_U6 small nuclear 403, pseudogene
13298	ENSG00000202638	14450.6	0.14	snRNA	11	72580588	72580658	RNA_U6 small nuclear 672, pseudogene
13854	ENSG00000202507	15219.2	0.14	snRNA	10	12158279	12158378	RNA_U6 splicedomain RNA
13900	ENSG00000198176	15219.2	0.14	snRNA	11	74408163	74408163	RNA_U6 small nuclear 237, pseudogene
13981	ENSG00000202075	15389.9	0.14	snRNA	1	62282091	62282194	RNA_U6 small nuclear 414, pseudogene
14153	ENSG00000202881	15583.7	0.14	snRNA	6	17619784	17619885	RNA_U6 small nuclear 190, pseudogene
14174	ENSG00000202723	15583.7	0.14	snRNA	8	2623688	26236991	RNA_U6 small nuclear 116, pseudogene
14265	ENSG00000252032	15671.1	0.14	snRNA	1	52004297	52004401	RNA_U6 small nuclear 128 L, pseudogene
14372	ENSG00000207185	15756.2	0.14	snRNA	11	11844703	11844808	RNA_U6 small nuclear 1157, pseudogene
14386	ENSG00000202488	15791.8	0.14	snRNA	8	73911780	73911779	RNA_U6 small nuclear 285, pseudogene
14417	ENSG00000207052	15790.5	0.14	snRNA	5	32309078	32309074	RNA_U6 small nuclear 378, pseudogene
14619	ENSG00000202227	15948.6	0.14	snRNA	22	38287354	38287455	RNA_U6 small nuclear 900, pseudogene
14745	ENSG00000201728	16043	0.14	snRNA	1	65889031	65889031	RNA_U6 small nuclear 313, pseudogene
14944	ENSG00000203440	16195.3	0.14	snRNA	14	31612145	31612254	RNA_U6 small nuclear 541, pseudogene
1587	ENSG00000211784	2952.3	0.14	TR_V_gene	7	142484049	142484048	T cell receptor beta joining 2.1
1638	ENSG00000202641	4307.6	0.14	TR_V_gene	14	22959478	22959481	T cell receptor alpha joining 4B
19373	ENSG00000203274	15301.9	0.14	TR_V_gene	9	33617750	33618054	T cell receptor beta variable 20/ORB-2 (non-functional)
15236	ENSG00000255282	16439.4	0.14	transcribed_unprocessed_pseudo_gene	11	102817899	102707497	Wilms tumor 1 associated protein pseudogene 1
15289	ENSG00000242748	16467.7	0.14	transcribed_unprocessed_pseudo_gene	20	39825331	39825739	ribosomal protein L23a pseudogene 81
15419	ENSG00000244378	16600.2	0.14	transcribed_unprocessed_pseudo_gene	18	69067578	69069945	ribosomal protein S2 pseudogene 45
3289	ENSG00000131401	5160.7	0.14	transcribed_unprocessed_pseudo_gene	19	50857053	50849024	napasin B aspartic peptidase, pseudogene
6254	ENSG00000205583	9032.9	0.14	transcribed_unprocessed_pseudo_gene	7	74988448	75024657	stromal antigen 3-like 1 (pseudogene)
12932	ENSG00000180229	14669.6	0.14	transcribed_unprocessed_pseudo_gene	15	20547869	20711433	hect domain and RLD 2 pseudogene 3
13426	ENSG00000282782	15043.6	0.14	transcribed_unprocessed_pseudo_gene	17	45527934	45589858	mitochondrial ribosomal protein L45 pseudogene 2
13636	ENSG00000214081	15202.2	0.14	transcribed_unprocessed_pseudo_gene	2	131437623	131445284	cytochrome P450, family 4, subfamily F, polypeptide 30, pseudogene
14238	ENSG00000214344	15655.1	0.14	transcribed_unprocessed_pseudo_gene	15	102382322	102390527	olfactory receptor, family 4, subfamily F, member 13 pseudogene
15021	ENSG00000204173	16256.2	0.14	transcribed_unprocessed_pseudo_gene	9	114353272	114393589	leucine rich repeat containing 37, member A5, pseudogene
15495	ENSG00000251491	16615.6	0.14	transcribed_unprocessed_pseudo_gene	2	15871823	15871937	olfactory receptor, family 7, subfamily E, member 28 pseudogene
15758	ENSG00000204159	16825.5	0.14	transcribed_unprocessed_pseudo_gene	6	26839263	26843329	glucuronidase, beta pseudogene 2
15792	ENSG00000203053	16853.3	0.14	transcribed_unprocessed_pseudo_gene	7	86274980	86309813	GTF2I repeat domain containing 1 pseudogene 1
14577	ENSG000002024367	15914.6	0.14	unary_pseudogene	18	56663966	56735570	O-acyltransferase like, pseudogene
4519	ENSG00000202811	7055.7	0.14	unprocessed_pseudogene	19	21902603	21902637	vimentin 1 receptor B4 pseudogene
10134	ENSG00000202152	12449.7	0.14	unprocessed_pseudogene	16	8567376	8568401	olfactory receptor, family 7, subfamily E, member 140 pseudogene
10903	ENSG00000202938	13423.4	0.14	unprocessed_pseudogene	X	28431070	28503065	protein phosphatase 1, regulatory subunit 12B, pseudogene, Y-linked 1
12955	ENSG00000202788	14245.7	0.14	unprocessed_pseudogene	20	35248806	35249226	heterogeneous nuclear ribonucleoprotein A3 pseudogene 2
12926	ENSG00000197959	14359.2	0.14	unprocessed_pseudogene	3	75405687	75406654	olfactory receptor, family 3, subfamily E, member 22 pseudogene
13455	ENSG00000202621	15327.3	0.14	unprocessed_pseudogene	14	23113352	23113274	olfactory receptor, family 8, subfamily E, member 1 pseudogene
13659	ENSG00000204933	15222.6	0.14	unprocessed_pseudogene	19	43876884	43883276	CD177 molecule pseudogene 1
13702	ENSG00000202893	15251.8	0.14	unprocessed_pseudogene	9	21321299	21321626	interferon, alpha 20, pseudogene
13743	ENSG00000204548	15263	0.14	unprocessed_pseudogene	22	22972533	22978624	brachypod cluster repeat pseudogene 4
13779	ENSG00000254229	15308.2	0.14	unprocessed_pseudogene	8	7858959	7859027	family with sequence similarity 80, member A12, pseudogene
14049	ENSG00000255655	15509.8	0.14	unprocessed_pseudogene	14	69334574	69336068	basic leucine zipper nuclear factor 2 pseudogene
14298	ENSG00000204970	16100.3	0.14	unprocessed_pseudogene	11	74842183	74842325	olfactory receptor, family 2, subfamily A1, member 1 pseudogene
14569	ENSG00000236417	15907.8	0.14	unprocessed_pseudogene	10	89146442	89149960	cathepsin 1, pseudogene 1
14588	ENSG00000231777	15921.5	0.14	unprocessed_pseudogene	2	132129667	132131223	MT-ND4 pseudogene 21
14697	ENSG00000202601	16007.7	0.14	unprocessed_pseudogene	7	10011462	10011816	protein-L-isoaspartate (D-isoprotein) C-methyltransferase domain containing 1 pseudogene 1
14711	ENSG00000202571	16019.3	0.14	unprocessed_pseudogene	7	72716497	72716496	PGM1 21 transmembrane domain pseudogene 3
14743	ENSG00000189166	16038.4	0.14	unprocessed_pseudogene	7	57059556	57076956	intraductile repeat containing 18 pseudogene 3
14785	ENSG00000202816	16075	0.14	unprocessed_pseudogene	9	44019398	44118444	ankyrin repeat domain 20 family, member A7, pseudogene
14629	ENSG00000204961	16100.3	0.14	unprocessed_pseudogene	10	49712414	49712414	cablin (intronic factor collagen receptor) pseudogene 2
14954	ENSG00000215812	16203.9	0.14	unprocessed_pseudogene	1	22788412	22788412	zinc finger protein 847, pseudogene
14987	ENSG00000201870	16218	0.14	unprocessed_pseudogene	17	28864716	28869722	keratin 17 pseudogene
15193	ENSG00000198384	16267.7	0.14	unprocessed_pseudogene	15	33063158	33101155	transmembrane phosphoinositide 3-kinase and Irsin homolog 2 pseudogene 3
3338	ENSG00000284198	5250	0.14					
3804	ENSG00000198181	5979	0.14			149553003	149553787	peptidylglyoxylase A (cytochrome P4h like 4C)
3807	ENSG00000202471	5989.6	0.14					
3918	ENSG00000180287	6154.8	0.14					
4080	ENSG00000259985	6359.4	0.14					
4192	ENSG00000202665	6511.9	0.14					
4279	ENSG000002071947	6652.3	0.14					
4347	ENSG00000202804	6750.9	0.14					
4892	ENSG00000207173	7454.1	0.14					
4929	ENSG000002026753	7568.9	0.14					
4932	ENSG00000254893	7570.2	0.14					
5100	ENSG00000231369	7775.3	0.14					
5223	ENSG00000289084	7921.3	0.14			21737896	21738068	Uncharacterized protein
5251	ENSG00000231340	7953.1	0.14					
5365	ENSG00000215333	8086	0.14					
5391	ENSG00000270574	8119.2	0.14					
5532	ENSG000002071011	8267.6	0.14					
5627	ENSG00000231884	8382.8	0.14					
5643	ENSG00000287648	8400.5	0.14					
6023	ENSG00000259354	8813.1	0.14					
6163	ENSG00000231789	8841.8	0.14					
6380	ENSG00000202828	9168.7	0.14					
6447	ENSG000002028402	9239.2	0.14					
6581	ENSG00000202970	9359.9	0.14			99859300	99859828	Uncharacterized protein
6608	ENSG00000238734	9676.1	0.14			70266852	70266985	Small nuclear RNA U13
7485	ENSG00000272518	10207.4	0.14					
7742	ENSG00000232664	10471.5	0.14					
7937	ENSG00000222586	10650.9	0.14					
8028	ENSG00000231360	1						

10720	ENS000002236018		12916.5	0.14					
10788	ENS000002239977		12981.9	0.14					
10860	ENS000002115304		13056	0.14					
10942	ENS000002238732		13101.9	0.14	10	43305675	43305778		Small nuclear RNA U13
10970	ENS000002211660		13128	0.14					
11070	ENS000002231133		13205.9	0.14	7	99011601	99011701		Small nuclear RNA U13
11099	ENS000002258357		13218.9	0.14					
11119	ENS000002257860		13233.5	0.14					
11432	ENS000002281993		13316.5	0.14					
11434	ENS000002257452		13519.9	0.14					
11542	ENS000002222683		13613.5	0.14	21	47955709	47956003		Metazoan signal recognition particle RNA
11563	ENS000002292195		13627.2	0.14					
11737	ENS000002244891		13792.1	0.14					
11802	ENS000002296237		13830.7	0.14					
11807	ENS000002226891		13834	0.14					
11850	ENS000002273000		13871.4	0.14					
12002	ENS000002222053		13980	0.14					
12024	ENS000002192520		13998.9	0.14					
12077	ENS000002281480		14038.9	0.14					
12095	ENS000002281732		14050.9	0.14					
12097	ENS000002214231		14051.9	0.14					
12179	ENS000002272460		14109.5	0.14					
12338	ENS000002228751		14232.7	0.14					
12345	ENS000002292921		14235.9	0.14	14	21897669	21897965		RNA 7SL cytoplasmic 850, pseudogene
12346	ENS000002248990		14236.9	0.14					
12377	ENS000002211660		14258.9	0.14					
12379	ENS000002292385		14259.4	0.14					
12480	ENS000002224067		14341	0.14					
12513	ENS000002284196		14370.9	0.14					
12538	ENS000002210315		14387.9	0.14					
12585	ENS000002224569		14424.9	0.14					
12597	ENS000002227854		14432.7	0.14					
12684	ENS000002254174		14437.9	0.14					
12622	ENS000002128802	GDF2	14450	0.14	10	48413092	48416853		growth differentiation factor 2
12705	ENS000002232508		14506.9	0.14					
12728	ENS000002207020		14520.9	0.14					
12756	ENS000002248935		14545.9	0.14					
12805	ENS000002257258		14583.9	0.14					
12822	ENS000002292428		14599	0.14					
12832	ENS000002280970		14605.5	0.14					
12861	ENS000002228334		14626.3	0.14					
12871	ENS000002191478		14635.2	0.14					
12881	ENS000002258117		14640.5	0.14					
12884	ENS000002219519		14642.3	0.14					
12888	ENS000002211226		14643.0	0.14					
12906	ENS000002232925		14654.5	0.14	15	30904916	30905194		RNA 7SL cytoplasmic 626, pseudogene
13015	ENS000002257306		14728	0.14					
13054	ENS000002227603		14756.3	0.14					
13056	ENS000002281714		14759.9	0.14					
13080	ENS000002263425		14775.5	0.14					
13102	ENS000002292551		14789.2	0.14	1	24855949	24856204		RNA 7SL cytoplasmic 857, pseudogene
13111	ENS000002252996		14799.4	0.14					
13170	ENS000002241846		14842.9	0.14					
13179	ENS000002271014		14848.7	0.14					
13206	ENS000002213172		14874.3	0.14					
13215	ENS000002231992		14887.9	0.14					
13230	ENS000002299076		14900.6	0.14					
13248	ENS000002292923		14913.4	0.14					
13250	ENS000002203395		14913.6	0.14					
13256	ENS000002284215		14919.1	0.14					
13263	ENS000002252923		14923.9	0.14					
13267	ENS000002203090		14928.9	0.14					
13290	ENS000002273956		14936.9	0.14					
13293	ENS000002244503		14940.5	0.14					
13292	ENS000002258114		14946.2	0.14					
13311	ENS000002211351		14958.5	0.14					
13335	ENS000002224137		14974.9	0.14					
13347	ENS000002273063		14983.3	0.14					
13378	ENS000002298578		15007	0.14	9	45441273	45441542		Uncharacterized protein
13384	ENS000002244513		15021.3	0.14					
13413	ENS000002229239		15032.7	0.14					
13467	ENS000002241151		15077.3	0.14					
13488	ENS000002222008		15090.3	0.14					
13502	ENS000002244959		15101.3	0.14					
13505	ENS000002239985		15103.2	0.14					
13513	ENS000002227425		15108.9	0.14					
13520	ENS000002270980		15113.4	0.14					
13521	ENS000002231311		15114.1	0.14					
13528	ENS000002221028		15120.4	0.14					
13550	ENS000002225992		15133.9	0.14					
13556	ENS000002271033		15139.7	0.14					
13565	ENS000002221441		15145.2	0.14					
13567	ENS000002251118		15146.1	0.14					
13572	ENS000002227076		15150.2	0.14					
13574	ENS000002291618		15152.4	0.14					
13584	ENS000002217979		15159.9	0.14					
13603	ENS000002258039		15172.9	0.14					
13619	ENS000002227637		15186.5	0.14					
13624	ENS000002284272		15191.4	0.14					
13630	ENS000002196388		15194.9	0.14					
13631	ENS000002242540		15195.4	0.14					
13641	ENS000002296911		15204.5	0.14					
13642	ENS000002296976		15206	0.14					
13643	ENS000002270722		15207.6	0.14					
13665	ENS000002292681		15226.1	0.14					
13724	ENS000002225842		15271.5	0.14					
13732	ENS000002252134		15279.5	0.14	1	17178362	17178376		Y RNA
13744	ENS000002224987		15290.2	0.14					
13739	ENS000002250990		15281.7	0.14					
13747	ENS000002229459		15294.4	0.14					
13764	ENS000002227448		15296	0.14					
13764	ENS000002041853		15296.2	0.14					
13766	ENS000002298958		15298	0.14					
13768	ENS000002217831		15312.4	0.14					
13791	ENS000002255521		15316.7	0.14					
13796	ENS000002253512		15318.3	0.14					
13800	ENS000002211584		15320.9	0.14					
13801	ENS000002257683		15321.7	0.14					
13802	ENS000002273419		15321.9	0.14					
13805	ENS000002244963		15325.5	0.14					
13825	ENS000002223277		15337.3	0.14					
13830	ENS000002298118		15341.3	0.14					
13835	ENS000002221037		15344.9	0.14					
13866	ENS000002223342		15371.9	0.14					
13874	ENS000002252951		15374.9	0.14					
13888	ENS000002224928		15384.9	0.14					
13894	ENS000002211395		15395	0.14					
13897	ENS000002248995		15396.5	0.14					
13908	ENS000002229700		15409.9	0.14					
13911	ENS000002254278		15409.9	0.14					
13914	ENS000002214803		15411.9	0.14					
13919	ENS000002224989		15414	0.14					
13923	ENS000002256151		15415.9	0.14					
13924	ENS000002217930		15416.4	0.14					
13925	ENS000002292679		15420.4	0.14					
13931	ENS000002258123		15422.9	0.14					
13932	ENS000002287879		15423.3	0.14					
13936	ENS000002292984		15430.6	0.14					
13937	ENS000002281331		15430.7	0.14					
13942	ENS000002282810		15433.5	0.14					
13946	ENS000002295183		15436.4	0.14					
13950	ENS000002244032		15437.4	0.14					
13951	ENS000002236173		15437.9	0.14					
13956	ENS000002298596		15444.1	0.14					
13964	ENS000002242997		15446.9	0.14					
13984	ENS000002259505		15458.9	0.14					
13995	ENS000002296209		15469.9	0.14					
13997	ENS000002249276		15470.6	0.14					
14008	ENS000002290049		15476.9	0.14					
14011	ENS000002255191		15480.9	0.14					
14018	ENS000002292356		15484.7	0.14					
14019	ENS000002238079		15485.1	0.14					
14020	ENS000002213955		15486.4	0.14					
14046	ENS000002223538		15508.9	0.14					
14053	ENS000002212111		15512.9	0.14					
14061	ENS000002259125		15519.9	0.14					
14065	ENS000002201797		15521.3	0.14					
14067	ENS000002291617		15522	0.14					
14079	ENS000002228874		15530	0.14					
14084	ENS000002240003		15542.4	0.14					
14098	ENS000002220575		15544.5	0.14					

14103	ENSG00000259843		15547.2	0.14					
14111	ENSG00000253470		15553.8	0.14					
14114	ENSG00000235797		15557.5	0.14					
14115	ENSG00000271070		15557.7	0.14					
14116	ENSG00000237685		15557.9	0.14					
14120	ENSG00000230264		15559.9	0.14					
14122	ENSG00000233724		15560.3	0.14					
14128	ENSG00000270969		15561.1	0.14					
14133	ENSG00000269953		15564.8	0.14					
14137	ENSG00000235016		15568.1	0.14					
14138	ENSG00000175961		15568.7	0.14					
14142	ENSG00000232986		15575.1	0.14					
14148	ENSG00000254509		15576.6	0.14					
14149	ENSG00000272537		15578.5	0.14					
14152	ENSG00000252539		15579.7	0.14					
14157	ENSG00000272758		15585.5	0.14					
14162	ENSG00000232114		15591.5	0.14					
14163	ENSG00000232765		15591.9	0.14					
14168	ENSG00000270870		15594.8	0.14					
14176	ENSG00000201507		15598.9	0.14					
14181	ENSG00000252968		15604.1	0.14					
14188	ENSG00000265191	15	44726452	44726705				RNA, 7SL, cytoplasmic 347, pseudogene	
14188	ENSG00000263844		15610.5	0.14					
14190	ENSG00000252926		15613.8	0.14					
14193	ENSG00000233908		15616	0.14					
14217	ENSG00000264620		15641.6	0.14					
14219	ENSG00000252920		15643.5	0.14					
14222	ENSG00000238804		15644.8	0.14					
14226	ENSG00000231655		15649.9	0.14					
14230	ENSG00000230551		15651.6	0.14					
14244	ENSG00000237131		15662.5	0.14					
14246	ENSG00000224578		15663.4	0.14					
14251	ENSG00000234607		15670	0.14					
14265	ENSG00000268743		15677.1	0.14					
14276	ENSG00000264203		15683.9	0.14					
14278	ENSG00000232059		15684.7	0.14					
14280	ENSG00000263331		15685.2	0.14					
14281	ENSG00000248210		15685.6	0.14					
14285	ENSG00000269188		15688.5	0.14					
14291	ENSG00000238418	17	74320277	74320380				Small nuclear RNA U13	
14296	ENSG00000239838		15696.2	0.14					
14298	ENSG00000234741		15696.7	0.14					
14307	ENSG00000188477		15701.1	0.14					
14313	ENSG00000257281		15705.4	0.14					
14316	ENSG00000255107		15707	0.14					
14319	ENSG00000269265		15708.1	0.14					
14327	ENSG00000228778		15715.1	0.14					
14328	ENSG00000248456		15716	0.14					
14340	ENSG00000258488		15729.5	0.14					
14345	ENSG00000252278	17	36911532	36911653				RNA, U6 small nuclear 866, pseudogene	
14349	ENSG00000234042		15739.9	0.14					
14349	ENSG00000248445		15741.5	0.14					
14352	ENSG00000269984		15742.1	0.14					
14357	ENSG00000232564		15745	0.14					
14386	ENSG00000269172		15787.2	0.14					
14383	ENSG00000269820	1	15687884	156880159				HCG1995379; Uncharacterized protein	
14392	ENSG00000236905		15774.5	0.14					
14394	ENSG00000232796		15776.3	0.14					
14397	ENSG00000228005		15776.7	0.14					
14399	ENSG00000252181		15777.3	0.14					
14400	ENSG00000231691		15778.2	0.14					
14405	ENSG00000268604		15780.3	0.14					
14413	ENSG00000243491		15786.7	0.14					
14423	ENSG00000259564		15793.9	0.14					
14426	ENSG00000233656		15796.8	0.14					
14427	ENSG00000226996		15797.2	0.14					
14431	ENSG00000230503		15800.7	0.14					
14435	ENSG00000265403		15805.5	0.14					
14439	ENSG00000214546		15807.5	0.14					
14441	ENSG00000261611		15807.8	0.14					
14442	ENSG00000240912		15813.9	0.14					
14448	ENSG00000268603		15818.6	0.14					
14448	ENSG00000232813		15819.4	0.14					
14455	ENSG00000227208	LINC00552	15823.9	0.14	13	114451484	114454062	long intergenic non-protein coding RNA 552	
14463	ENSG00000255561		15824	0.14					
14467	ENSG00000270716		15831.4	0.14					
14469	ENSG00000234380		15833.2	0.14					
14473	ENSG00000254037		15837.7	0.14					
14474	ENSG00000231079		15838.3	0.14					
14475	ENSG00000215124		15838.4	0.14					
14477	ENSG00000230339		15839.3	0.14					
14481	ENSG00000250306		15841.5	0.14					
14483	ENSG00000235172		15843.3	0.14					
14486	ENSG00000269079		15847	0.14					
14491	ENSG00000251159		15850.5	0.14					
14496	ENSG00000249743		15851.4	0.14					
14500	ENSG00000236207		15856	0.14					
14506	ENSG00000237962		15860.2	0.14					
14507	ENSG00000226389		15860.8	0.14					
14512	ENSG00000259588		15864.6	0.14					
14514	ENSG00000269496		15866.6	0.14					
14518	ENSG00000256188		15867.2	0.14					
14525	ENSG00000215227		15877.4	0.14					
14530	ENSG00000213380		15881.2	0.14					
14537	ENSG00000248729		15886.6	0.14					
14538	ENSG00000239123		15887.7	0.14					
14543	ENSG00000224810		15892	0.14	7	138167225	138167328	Small nuclear RNA U13	
14544	ENSG000002448597		15892.3	0.14					
14546	ENSG00000231388		15893.3	0.14					
14548	ENSG00000217699		15895.3	0.14					
14550	ENSG00000235033		15896.3	0.14					
14554	ENSG00000230900		15898.9	0.14					
14556	ENSG00000250343		15900.4	0.14					
14557	ENSG00000236961		15900.6	0.14					
14558	ENSG00000258452		15900.6	0.14					
14564	ENSG00000252127		15904.3	0.14					
14567	ENSG00000258394		15906.3	0.14					
14592	ENSG00000264461		15925.2	0.14					
14594	ENSG00000272024		15925.4	0.14					
14602	ENSG00000267066		15933.8	0.14					
14606	ENSG00000268292		15934.8	0.14					
14609	ENSG00000271743		15937.8	0.14					
14610	ENSG00000251434		15938.3	0.14					
14614	ENSG00000257126		15943.3	0.14					
14618	ENSG00000252611		15945.5	0.14					
14623	ENSG00000267285		15953.1	0.14					
14629	ENSG00000238815		15955.4	0.14	17	49175535	49175639	Small nuclear RNA U13	
14637	ENSG00000259878		15962.1	0.14					
14639	ENSG00000255799		15963.2	0.14					
14640	ENSG00000240466		15964	0.14	15	84874184	84874466	RNA, 7SL, cytoplasmic 331, pseudogene	
14642	ENSG00000268488		15967.3	0.14	8	92151489	92151751	RNA, 7SL, cytoplasmic 777, pseudogene	
14646	ENSG00000253888		15969	0.14					
14655	ENSG00000251311		15974.2	0.14					
14658	ENSG00000254734		15974.3	0.14					
14667	ENSG00000237883		15982	0.14					
14672	ENSG00000238433		15985.8	0.14	8	59574800	59574903	Small nuclear RNA U13	
14675	ENSG00000259493		15987	0.14					
14676	ENSG00000272814		15988.5	0.14					
14677	ENSG00000243675		15989.2	0.14					
14682	ENSG00000237525		15992.5	0.14					
14685	ENSG00000252691		15996.7	0.14					
14692	ENSG00000259995		16003.4	0.14					
14693	ENSG00000254553		16004.5	0.14					
14704	ENSG00000252509		16014.3	0.14					
14710	ENSG00000227051		16018.1	0.14					
14713	ENSG00000253993		16019.6	0.14					
14715	ENSG00000269420		16021.8	0.14					
14721	ENSG00000257362		16026.7	0.14					
14728	ENSG00000254843		16030	0.14					
14731	ENSG00000259583		16031.5	0.14					
14733	ENSG00000227432		16033.2	0.14					
14737	ENSG00000230394		16033.9	0.14					
14745	ENSG00000271237		16041	0.14					
14747	ENSG00000246228		16041.3	0.14					
14751	ENSG00000258465		16044.6	0.14					
14752	ENSG00000210483		16045	0.14					
14753	ENSG00000256050		16045.1	0.14					
14754	ENSG00000256508		16048.4	0.14					
14758	ENSG00000269123		16048.5	0.14					
14762	ENSG00000260792		16049.5	0.14	16	12062000	12062333	Uncharacterized protein	

14763	ENSG00000298915	16550.9	0.14					
14763	ENSG00000298915	16556	0.14					
14769	ENSG00000254620	16559	0.14					
14774	ENSG00000232192	16566.5	0.14					
14778	ENSG00000255762	16569.2	0.14					
14784	ENSG00000271072	16575.2	0.14					
14788	ENSG00000231252	16576.3	0.14					
14788	ENSG00000297361	16577.3	0.14					
14792	ENSG00000230963	16578.9	0.14					
14795	ENSG00000236965	16580.3	0.14					
14802	ENSG00000298174	16584.6	0.14					
14804	ENSG00000235192	16585.5	0.14	1	19646299	19646554		RNA, 7SL, cytoplasmic 85, pseudogene
14807	ENSG00000226792	16591.5	0.14					
14808	ENSG00000271044	16591.7	0.14					
14819	ENSG00000229139	16598	0.14					
14822	ENSG00000229228	16599.3	0.14					
14825	ENSG00000235084	16101.1	0.14					
14826	ENSG00000232353	16101.6	0.14					
14833	ENSG00000244039	16106.6	0.14					
14834	ENSG00000254142	16108.1	0.14					
14838	ENSG00000232729	16112.6	0.14					
14840	ENSG00000242317	16115.4	0.14					
14843	ENSG00000259928	16119.3	0.14					
14845	ENSG00000234999	16120	0.14					
14848	ENSG00000232360	16121.8	0.14					
14850	ENSG00000234003	16122.3	0.14					
14850	ENSG00000230395	16123.3	0.14					
14856	ENSG00000225236	16128.6	0.14					
14857	ENSG00000253194	16129.3	0.14					
14858	ENSG00000234548	16131.2	0.14					
14860	ENSG00000230392	16131.8	0.14					
14864	ENSG00000185078	16137.7	0.14					
14874	ENSG00000236817	16144.6	0.14					
14875	ENSG00000251228	16144.6	0.14					
14877	ENSG00000231877	16145.3	0.14					
14888	ENSG00000230681	16150.2	0.14					
14895	ENSG00000227700	16165.4	0.14					
14896	ENSG00000236345	16166.1	0.14					
14898	ENSG00000235889	16168	0.14					
14901	ENSG00000233502	16168.7	0.14					
14912	ENSG00000259988	16173.8	0.14					
14920	ENSG00000235689	16179.9	0.14					
14922	ENSG00000232121	16181	0.14					
14931	ENSG00000209071	16185.8	0.14					
14933	ENSG00000240266	16186.6	0.14					
14934	ENSG00000225254	16186.7	0.14					
14939	ENSG00000272167	16190.3	0.14					
14945	ENSG00000236799	16196.8	0.14					
14948	ENSG00000234247	16200	0.14					
14951	ENSG00000186530	16203.6	0.14	8	6666038	6693166		XX, Kell blood group complex subunit-related family, member 5
14956	ENSG00000215909	16208.3	0.14					
14958	ENSG00000212897	16210.9	0.14					
14961	ENSG00000235844	16212.7	0.14					
14962	ENSG00000249195	16214.5	0.14					
14969	ENSG00000231013	16218.5	0.14					
14972	ENSG00000224375	16219.1	0.14					
14975	ENSG00000270773	16220.6	0.14					
14977	ENSG00000235261	16220.8	0.14					
14983	ENSG00000272416	16225.1	0.14					
14986	ENSG00000234995	16227.5	0.14	14	63929724	63930021		RNA, 7SL, cytoplasmic 540, pseudogene
14987	ENSG00000231315	16227.5	0.14					
14985	ENSG00000236265	16233	0.14					
14996	ENSG00000229993	16234.6	0.14					
14998	ENSG00000230214	16235.9	0.14					
15001	ENSG00000250020	16237.4	0.14					
15007	ENSG00000236395	16245.2	0.14					
15014	ENSG00000248944	16251	0.14					
15015	ENSG00000251178	16251.8	0.14					
15017	ENSG00000249937	16253.3	0.14					
15018	ENSG00000232599	16253.6	0.14	18	21852889	21853170		RNA, 7SL, cytoplasmic 247, pseudogene
15019	ENSG00000230542	16253.8	0.14					
15024	ENSG00000236775	16258.8	0.14					
15028	ENSG00000233965	16261.6	0.14					
15032	ENSG00000245885	16265.9	0.14					
15033	ENSG00000237836	16267.4	0.14					
15034	ENSG00000237228	16267.7	0.14					
15045	ENSG00000225457	16278.6	0.14					
15050	ENSG00000279937	16285.2	0.14					
15052	ENSG00000232458	16285.9	0.14					
15055	ENSG00000212992	16289.9	0.14					
15056	ENSG00000236438	16290.3	0.14					
15057	ENSG00000239929	16291.3	0.14					
15061	ENSG00000238231	16293.8	0.14					
15063	ENSG00000227834	16296.5	0.14					
15068	ENSG00000232598	16303.7	0.14					
15069	ENSG00000227297	16303.6	0.14					
15076	ENSG00000257060	16309	0.14					
15079	ENSG00000239998	16311.3	0.14					
15083	ENSG00000236286	16314.3	0.14					
15090	ENSG00000236134	16322.6	0.14					
15092	ENSG00000234232	16323.3	0.14					
15096	ENSG00000236363	16327.6	0.14					
15108	ENSG00000241884	16333	0.14					
15108	ENSG00000239497	16334.4	0.14					
15113	ENSG00000270161	16335.2	0.14					
15115	ENSG00000231805	16337	0.14					
15119	ENSG00000228046	16340.9	0.14					
15121	ENSG00000234429	16342.5	0.14					
15122	ENSG00000228421	16343	0.14					
15132	ENSG00000230850	16353.9	0.14					
15134	ENSG00000217428	16359.5	0.14					
15135	ENSG00000214773	16360.2	0.14					
15142	ENSG00000270993	16366.6	0.14					
15150	ENSG00000230933	16372.5	0.14					
15160	ENSG00000230406	16379.6	0.14					
15170	ENSG00000231961	16385.6	0.14					
15173	ENSG00000230122	16386.5	0.14					
15174	ENSG00000251241	16388.8	0.14					
15179	ENSG00000236910	16389.9	0.14					
15187	ENSG00000235654	16390.5	0.14					
15189	ENSG00000234259	16401.9	0.14					
15196	ENSG00000238813	16406.5	0.14					
15198	ENSG00000234210	16407.1	0.14					
15204	ENSG00000255843	16412.3	0.14					
15205	ENSG00000249731	16412.9	0.14					
15209	ENSG00000231133	16414.7	0.14					
15213	ENSG00000227274	16421.3	0.14					
15214	ENSG00000270664	16421.9	0.14					
15217	ENSG00000232193	16423.8	0.14					
15221	ENSG00000232725	16427.9	0.14					
15223	ENSG00000230960	16428.2	0.14					
15247	ENSG00000255438	16445.8	0.14					
15252	ENSG00000255545	16448.2	0.14					
15263	ENSG00000224981	16448.5	0.14					
15268	ENSG00000233190	16450.5	0.14					
15281	ENSG00000238133	16452	0.14					
15283	ENSG00000178428	16452.6	0.14					
15285	ENSG00000224687	16453.4	0.14					
15286	ENSG00000237559	16453.5	0.14					
15278	ENSG00000256229	16460.7	0.14					
15277	ENSG00000235300	16461.1	0.14					
15282	ENSG00000230407	16462.2	0.14					
15285	ENSG00000234252	16465.9	0.14					
15294	ENSG00000234496	16470.3	0.14					
15297	ENSG00000231891	16471.7	0.14					
15309	ENSG00000235451	16480.8	0.14					
15313	ENSG00000236246	16482.4	0.14					
15318	ENSG00000232747	16483.6	0.14	6	90533014	90533115		Small nuclear RNA U13
15318	ENSG00000231373	16484	0.14					
15322	ENSG00000237933	16488.9	0.14					
15328	ENSG00000231331	16492.5	0.14					
15333	ENSG00000271366	16494.9	0.14					
15345	ENSG00000235936	16505.4	0.14					
15347	ENSG00000248752	16507.6	0.14					
15350	ENSG00000238449	16509.3	0.14	7	9517457	95173854		Protein LOC10096577
15355	ENSG00000272100	16513.3	0.14					
15357	ENSG00000236927	16516.2	0.14					
15359	ENSG00000237728	16517.2	0.14	3	52097076	52097567		long intergenic non-protein coding RNA 696
15361	ENSG00000230701	16518.2	0.14					
15374	ENSG00000232321	16529.8	0.14					
15379	ENSG00000259602	16533.4	0.14					

15380	ENS00000219371		16533.5	0.14					
15381	ENS00000219398		16534.9	0.14					
15385	ENS00000219442		16537.5	0.14					
15387	ENS00000219330		16538.1	0.14					
15388	ENS00000219419		16542.7	0.14					
15400	ENS00000219293		16544.6	0.14					
15404	ENS00000219444		16549.9	0.14					
15405	ENS00000219297		16553.6	0.14					
15409	ENS00000219445		16561.6	0.14					
15421	ENS00000219208		16562.3	0.14					
15423	ENS00000219445		16565.2	0.14					
15428	ENS00000219370		16567.4	0.14					
15430	ENS00000219280		16571.5	0.14					
15440	ENS00000219244		16575.1	0.14					
15442	ENS00000219298		16580.6	0.14					
15445	ENS00000219212		16583.2	0.14					
15446	ENS00000219167		16583.4	0.14					
15452	ENS00000219246		16597.7	0.14					
15453	ENS00000219298		16588.9	0.14					
15459	ENS00000219244		16592.7	0.14					
15461	ENS00000219395		16596.3	0.14					
15462	ENS00000219236	2	239192329	239192488					Uncharacterized protein
15465	ENS00000219336		16598.9	0.14					
15468	ENS00000219288	9	45727107	45728274					family with sequence similarity 27, member A
15482	ENS00000219431		16607.3	0.14					
15483	ENS00000219246		16608.4	0.14					
15490	ENS00000219246		16611.5	0.14					
15509	ENS00000219210		16634.8	0.14					
15520	ENS00000219246		16641.2	0.14					
15528	ENS00000219246		16653.3	0.14					
15534	ENS00000219246		16660.8	0.14					
15560	ENS00000219338		16675.9	0.14					
15561	ENS00000219246		16676.5	0.14					
15563	ENS00000219170		16678.4	0.14					
15584	ENS00000219246		16690.7	0.14					
15585	ENS00000219246		16691.7	0.14					
15587	ENS00000219289	21	11180920	11181815					eukaryotic translation initiation factor 3, subunit F pseudogene 1
15591	ENS00000219186		16697.9	0.14					
15598	ENS00000219289		16699.3	0.14					
15598	ENS00000219289		16701.4	0.14					
15601	ENS00000219282		16705	0.14					
15603	ENS00000219257		16708	0.14					
15610	ENS00000219142		16714.4	0.14					
15612	ENS00000219270		16714.7	0.14					
15623	ENS00000219241		16721.9	0.14					
15624	ENS00000219241		16731.5	0.14					
15641	ENS00000219276		16741.1	0.14					
15642	ENS00000219261		16743.1	0.14					
15644	ENS00000219109	19	13890884	13900972					Uncharacterized protein
15660	ENS00000219247		16753.1	0.14					
15663	ENS00000219276		16754.8	0.14					
15672	ENS00000219246		16762.2	0.14					
15674	ENS00000219218		16764.7	0.14					
15677	ENS00000219118		16767.7	0.14					
15682	ENS00000219319		16773.9	0.14					
15684	ENS00000219274		16775.2	0.14					
15686	ENS00000219210		16776	0.14					
15704	ENS00000219181		16785.6	0.14					
15728	ENS00000219287		16800.2	0.14					
15731	ENS00000219188		16804.4	0.14					
15771	ENS00000219159		16807.7	0.14					
15782	ENS00000219338		16841.8	0.14					
15807	ENS00000219270	3	195647715	195648000					RNA 75L, cytoplasmic 773, pseudogene
15817	ENS00000219289		16848.2	0.14					
15818	ENS00000219289		16878.2	0.14					
15842	ENS00000219251		16903.2	0.14					
15870	ENS00000219246		16922.8	0.14					
15885	ENS00000219218		16933.7	0.14					
15890	ENS00000219188		16937.9	0.14					
15897	ENS00000219257		16940	0.14					
15905	ENS00000219289		16948.3	0.14					
15920	ENS00000219246	3	189831723	189832061					RNA 75L, cytoplasmic 486, pseudogene
15931	ENS00000219246		16984.4	0.14					
15934	ENS00000219289		16986.7	0.14					
15942	ENS00000219286		16987.5	0.14					
15947	ENS00000219215		16990.3	0.14					
15956	ENS00000219247		16996.7	0.14					
15994	ENS00000219207		17024	0.14					
16018	ENS00000219274		17048.3	0.14					
16030	ENS00000219178		17057	0.14					
16059	ENS00000219279		17081.3	0.14					
16075	ENS00000219289		17129	0.14					
16077	ENS00000219219		17094.4	0.14					
16108	ENS00000219265		17113.1	0.14					
16121	ENS00000219289		17125.9	0.14					
16131	ENS00000219289		17129	0.14					
16132	ENS00000219396	10	48952491	48960269					glutamate dehydrogenase 1 pseudogene 2
16136	ENS00000219271		17146	0.14					
16164	ENS00000219115		17148.2	0.14					
16252	ENS00000219274		17218.9	0.14					
16274	ENS00000219276		17227.1	0.14					
16414	ENS00000219251		17328.3	0.14					
16428	ENS00000219286		17343.7	0.14					
16447	ENS00000219183		17360.5	0.14					
16488	ENS00000219138		17396.5	0.14					
16652	ENS00000219222		17519.5	0.14					
16711	ENS00000219133		17571.4	0.14					
16831	ENS00000219311		17627.2	0.14					
4428	ENS00000219203	JHDM1D-AS1	6882.2	0.13	antisense	7	13687061	13687940	JHDM1D antisense RNA 1 (head to head)
6172	ENS00000219200		8951.4	0.13	antisense	4	85724411	85731544	WIPF3 antisense RNA 1
11391	ENS00000219233	LOC101929425	13478.9	0.13	antisense	10	30439668	30440307	BTUG antisense RNA 1
13116	ENS00000219259	CLYBL-AS2	14802.2	0.13	antisense	13	10042335	10043225	CLYBL antisense RNA 2
13940	ENS00000219112	MRV1-AS1	15432.2	0.13	antisense	11	10562819	10621479	MRV1 antisense RNA 1
14296	ENS00000219247		15472.4	0.13	antisense	3	19327102	19327277	ATP11A antisense RNA 1
14330	ENS00000219286	MKNK1-AS1	15719	0.13	antisense	1	47003468	47005927	MKNK1 antisense RNA 1
14957	ENS00000219210	APBCE3B-AS1	16208.8	0.13	antisense	22	39397564	39398214	APBCE3B antisense RNA 1
15233	ENS00000219244	UBA6-AS1	16448.6	0.13	antisense	8	14462420	14462430	UBA6 antisense RNA 1 (head to head)
15254	ENS00000219244	UBA6-AS1	16448.1	0.13	antisense	4	8856698	8856870	UBA6 antisense RNA 1 (head to head)
15447	ENS00000219223	AC137193.1	16584	0.13	antisense	3	9234177	9234187	SIRGAP3 antisense RNA 2
15772	ENS00000219269		16933.5	0.13	antisense	10	2712516	2712686	CCNA1C antisense RNA 3
15938	ENS00000219251	DLG3-AS1	16989.2	0.13	antisense	X	69872808	69875844	DLG3 antisense RNA 1
15987	ENS00000219214	MACROD2-AS1	17018.7	0.13	antisense	20	14864899	14870161	MACROD2 antisense RNA 1
16151	ENS00000219313		17144.4	0.13	antisense	3	2324651	2324669	LIBE2 antisense RNA 1 (head to head)
16484	ENS00000219246	FGF10-AS1	17388.3	0.13	antisense	5	44388834	44414091	FGF10 antisense RNA 1
16506	ENS00000219282	ABC5-AS1	17402.4	0.13	antisense	3	18372426	18372907	ABC5 antisense RNA 1
16518	ENS00000219211		17490.3	0.13	antisense	5	13558767	13559747	TIPIC antisense RNA 1
16966	ENS00000219284	GN212-AS1	17750.4	0.13	antisense	1	6820798	6868670	GN2 antisense RNA 1
17022	ENS00000219241	USP12-AS2	17739	0.13	antisense	13	27745396	27757135	USP12 antisense RNA 2 (head to head)
17238	ENS00000219287	OCRF-AS1	17844.9	0.13	antisense	20	61431978	61439559	OCRF antisense RNA 1
17253	ENS00000219287	DNM1P35	17953	0.13	antisense	15	7602001	7603964	DNM1 pseudogene 35
17273	ENS00000219280		17971.2	0.13	antisense	6	31851538	31851831	EHMT2 antisense RNA 1
17449	ENS00000219249		18034.3	0.13	antisense	2	9620680	9621957	long intergenic non-protein coding RNA 1125
2827	ENS00000219179	LINC01125	3916.5	0.13	IG_C_gene	22	23248512	23248973	immunoglobulin lambda constant 3 (Iem-C3) marker
14454	ENS00000219209		15822.8	0.13	IG_C_pseudogene	22	23242988	23253245	immunoglobulin lambda constant 4 (pseudogene)
14117	ENS00000219256		15577.9	0.13	IG_C_pseudogene	15	2446296	2446298	immunoglobulin heavy variable 10R15-4 (pseudogene)
15243	ENS00000219138		16444.3	0.13	IG_C_pseudogene	22	2583275	2583321	immunoglobulin lambda variable 10R22-1 (pseudogene)
19812	ENS00000219363		1302.8	0.13	lincRNA	15	100347228	100417353	Uncharacterized protein
13697	ENS00000219263	LINC0487	1885.1	0.13	lincRNA	2	8966394	8910462	long intergenic non-protein coding RNA 487
4323	ENS00000219265		15713.1	0.13	lincRNA	10	89186780	89184549	long intergenic non-protein coding RNA 864
14487	ENS00000219285		15845.6	0.13	lincRNA	14	51771134	51795104	long intergenic non-protein coding RNA 519
14534	ENS00000219249		15855.1	0.13	lincRNA	1	72910	73121	MA3L1 and I3R antisense RNA 2
4952	ENS00000219246	BPESC1	13862.4	0.13	lincRNA	1	13862027	13864009	blepharophosia, epcardius inversus and otosis, candidate 1 (non-protein coding)
15436	ENS00000219247	LINC00656	16577.3	0.13	lincRNA	10	80008505	80434724	long intergenic non-protein coding RNA 856
15637	ENS00000219235	LOC101928538	16738.2	0.13	lincRNA	17	74846298	74857918	long intergenic non-protein coding RNA 868
15696	ENS00000219246	FAM141C	16736.9	0.13	lincRNA	6	8021753	812293	family with sequence similarity 41, member C
15669	ENS00000219237	LINC01136	16759.3	0.13	lincRNA	1	20328788	20327437	long intergenic non-protein coding RNA 1136
15814	ENS00000219297		16875	0.13	lincRNA	6	16851353	16852671	Small nucleolar RNA SNORD45

13489	ENS00000201741	MIR196A1	15691	0.13	miRNA	17	48709852	48709921	microRNA 196a-1
13508	ENS00000201718	MIR593A2	15113	0.13	miRNA	7	9759178	9759183	microRNA 593a-2
13794	ENS00000202700	MIR598	15317	0.13	miRNA	8	1095216	1095216	microRNA 598
14140	ENS00000206712	MIR476	15570	0.13	miRNA	8	7797904	7797906	has-mi-3149
14719	ENS00000204399	MIR476	16236	0.13	miRNA	17	6641337	6641337	microRNA 476
14800	ENS00000204032	MIR4481	16393	0.13	miRNA	11	11218462	11218462	microRNA 4481
14943	ENS00000204160	MIR4762	16194	0.13	miRNA	22	46156404	46156478	microRNA 4762
15644	ENS000002196151	MIR333	16586	0.13	miRNA	14	10134030	10134032	microRNA 333
15715	ENS00000208943	MIR597	16393	0.13	miRNA	11	11218462	11218462	microRNA 3077
15824	ENS00000206219	MIR4269	16882	0.13	miRNA	22	240227157	240227340	microRNA 4269
15974	ENS000002021655	MIR1823	16569	0.13	miRNA	2	11430536	11430673	microRNA 1823
16004	ENS00000202843	MIR4655	17029	0.13	miRNA	2	106301	106301	microRNA 4655
16212	ENS000002027922	MIR556	17187	0.13	miRNA	3	50210759	50210822	microRNA 556
16334	ENS00000202952	MIR1346	17269	0.13	miRNA	7	1974491	1974509	microRNA 1346
16365	ENS00000202425	MIR5163	17490	0.13	miRNA	11	6944925	6944937	microRNA 5163
17711	ENS000002026491	MIR4730	15289	0.13	miRNA	17	7839218	7839293	microRNA 4730
5430	ENS0000020265727		8164	0.13	misc. RNA	X	73462445	73462736	RNA 75L cytoplasmic 648, pseudogene
7429	ENS000002020291		10188	0.13	misc. RNA	6	76394696	76395015	RNA 75L small nuclear pseudogene 163
8216	ENS000002020170		10987	0.13	misc. RNA	10	73980510	73980510	Y RNA
9489	ENS000002020742		11940	0.13	misc. RNA	14	56118252	56118252	Y RNA
9629	ENS000002020742		12054	0.13	misc. RNA	14	20140569	20140569	Y RNA
10005	ENS000002040589		12349	0.13	misc. RNA	17	42486429	42486726	RNA 75L cytoplasmic 258, pseudogene
10895	ENS000002021680		13038	0.13	misc. RNA	6	31444466	31444567	Y RNA
11171	ENS000002020385		13352	0.13	misc. RNA	2	69449229	69449248	Y RNA
11968	ENS000002043066		13876	0.13	misc. RNA	19	14699169	14699465	RNA 75L cytoplasmic 842, pseudogene
12794	ENS000002042876		14274	0.13	misc. RNA	22	20839224	20839497	RNA 75L cytoplasmic 812, pseudogene
12939	ENS000002029274		14474	0.13	misc. RNA	17	29269683	29269687	RNA 75L cytoplasmic 138, pseudogene
13500	ENS000002043900		15100	0.13	misc. RNA	13	52043886	52044181	RNA 75L cytoplasmic 320, pseudogene
14282	ENS000002027525		15685	0.13	misc. RNA	16	74497786	74497888	Y RNA
14408	ENS000002028243		15833	0.13	misc. RNA	8	66259345	66259349	RNA 75L cytoplasmic 74, pseudogene
14463	ENS000002028244		15838	0.13	misc. RNA	13	46824077	46824348	RNA 75L small nuclear pseudogene 5
14890	ENS000002026237		15916	0.13	misc. RNA	3	40250496	40250793	RNA 75L cytoplasmic 411, pseudogene
14815	ENS00000202762		15933	0.13	misc. RNA	16	1833346	1833346	Y RNA
14991	ENS000002022469		16230	0.13	misc. RNA	X	10029202	10029203	Y RNA
16274	ENS000002042707		16640	0.13	misc. RNA	18	13715099	13715367	RNA 75L cytoplasmic 362, pseudogene
15296	ENS000002022608		16673	0.13	misc. RNA	13	1358123	1358123	Y RNA
15398	ENS000002021803		16543	0.13	misc. RNA	10	17445507	17445619	Y RNA
15416	ENS000002024840		16557	0.13	misc. RNA	17	62867622	62867902	RNA 75L cytoplasmic 404, pseudogene
15472	ENS000002024256		17013	0.13	misc. RNA	19	17018273	17018273	RNA 75L cytoplasmic 835, pseudogene
15523	ENS000002044308		16647	0.13	misc. RNA	3	119829345	119829333	microRNA 762, pseudogene
15666	ENS000002023937		16750	0.13	misc. RNA	3	11055446	11055758	RNA 75L small nuclear pseudogene 57
15801	ENS000002027916		16845	0.13	misc. RNA	1	8344580	8344580	RNA 75L cytoplasmic 892, pseudogene 4
15910	ENS000002025737		16948	0.13	misc. RNA	4	87257471	87257767	RNA 75L small nuclear pseudogene 95
15954	ENS0000020252744		16985	0.13	misc. RNA	1	14780236	14780239	Y RNA
15991	ENS000002026672		17022	0.13	misc. RNA	7	100416661	100416686	RNA 75L cytoplasmic 750, pseudogene
16002	ENS000002021916		17033	0.13	misc. RNA	22	20835445	20835455	Y RNA
16234	ENS000002041709		17242	0.13	misc. RNA	7	73146901	73147201	RNA 75L cytoplasmic 265, pseudogene
16339	ENS000002042657		17279	0.13	misc. RNA	4	69441899	69441904	RNA 75L cytoplasmic 581, pseudogene
16556	ENS000002029367		17309	0.13	misc. RNA	16	15702674	15702689	RNA 75L cytoplasmic 477, pseudogene
16679	ENS000002046683		17543	0.13	misc. RNA	9	6661651	6661696	RNA 75L cytoplasmic 123, pseudogene
16748	ENS000002026396		18053	0.13	misc. RNA	16	2065182	2065183	RNA 75L cytoplasmic 219, pseudogene
17666	ENS000002041631		18079	0.13	misc. RNA	2	28022926	28022933	RNA 75L cytoplasmic 316, pseudogene
3845	ENS0000020217416		5707	0.13	processed_pseudogene	5	62072704	62073090	non-sulfur cluster assembly 1 pseudogene 1
3915	ENS000002022422		7548	0.13	processed_pseudogene	5	66627899	66629014	RNA binding motif, single stranded interacting protein 1 pseudogene 1
4336	ENS000002020268		7125	0.13	processed_pseudogene	17	37174917	37175063	ribosomal protein S12 pseudogene 24
4618	ENS0000020197258		8033	0.13	processed_pseudogene	7	10438196	10438196	eukaryotic translation initiation factor 4B pseudogene 6
4845	ENS000002022623		11229	0.13	processed_pseudogene	10	76287342	76287705	mitochondrial ribosomal protein L35 pseudogene 3
4917	ENS000002024247		11424	0.13	processed_pseudogene	10	83784786	83784786	retroplasmogon 2
10086	ENS000002022958		12424	0.13	processed_pseudogene	22	39118748	39119510	peroxiredoxin 3 pseudogene 1
11616	ENS0000020213816		14543	0.13	processed_pseudogene	9	43999730	43999733	calpain 2 pseudogene 4
11712	ENS000002021529		14643	0.13	processed_pseudogene	1	68623265	68623265	angiotensin-converting enzyme 1 pseudogene 6
13480	ENS000002023623		15085	0.13	processed_pseudogene	3	69520603	69521083	RNA binding motif protein 43 pseudogene 1
14078	ENS000002021706		15529	0.13	processed_pseudogene	X	76963344	76963357	lactyl acid binding protein 5 pseudogene 15
14143	ENS000002021830		15587	0.13	processed_pseudogene	17	68623265	68623265	collin 1 pseudogene 5
14161	ENS000002022513		15587	0.13	processed_pseudogene	3	41900842	41901068	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit 1 pseudogene 2
14170	ENS000002022952		15596	0.13	processed_pseudogene	X	130475421	13047626	olfactory receptor, family 5, subfamily AW, member 1 pseudogene
14216	ENS000002021637		15641	0.13	processed_pseudogene	17	3529147	3529147	ribosomal protein 10
14229	ENS000002023714		15650	0.13	processed_pseudogene	18	61736392	61739887	ribosomal protein L12 pseudogene 39
14247	ENS0000020224396		15665	0.13	processed_pseudogene	X	22453715	22454505	methyltransferase like 15 pseudogene 3
14263	ENS000002020929		15678	0.13	processed_pseudogene	22	3952378	3952378	RNA 4 domain containing 1 pseudogene 4
14293	ENS000002025408		15694	0.13	processed_pseudogene	14	7400625	7400645	5'-3' nucleotidase, cytosolic pseudogene 2
14324	ENS000002022665		15713	0.13	processed_pseudogene	X	103891897	10389280	prohibitin pseudogene 10
14358	ENS000002021400		15743	0.13	processed_pseudogene	18	2501748	2501748	profilin-associated 204 pseudogene 3
14390	ENS0000020259359		15774	0.13	processed_pseudogene	19	46840003	46840004	TGF-beta-induced factor homeobox 1 pseudogene 1
14466	ENS000002023889		15890	0.13	processed_pseudogene	5	17834965	17834971	phosphatidylinositol glycan anchor biosynthesis, class F pseudogene 1
14481	ENS000002021382		15892	0.13	processed_pseudogene	17	685921	685921	ribosomal protein L23A pseudogene 73
14727	ENS000002021382		16029	0.13	processed_pseudogene	X	111933143	11193347	high mobility group box 3 pseudogene 30
14793	ENS000002042487		16078	0.13	processed_pseudogene	11	44650907	44651224	ribosomal protein L34 pseudogene 22
14800	ENS000002020632		16103	0.13	processed_pseudogene	20	33482937	33482937	ubiquitin-conjugating enzyme E2 variant 1 pseudogene 1
14921	ENS000002023623		16180	0.13	processed_pseudogene	X	9750677	9750741	ribosomal protein L6 pseudogene 29
14925	ENS000002022277		16182	0.13	processed_pseudogene	13	90465411	90465495	ribosomal protein 7 like 1 pseudogene 1
14948	ENS000002020527		16183	0.13	processed_pseudogene	19	10546820	10546820	ribosomal protein L7 pseudogene 45
14985	ENS000002022701		16227	0.13	processed_pseudogene	22	30442265	30442182	calpain 2 pseudogene 1
15012	ENS000002023107		16243	0.13	processed_pseudogene	2	7633142	76334450	succinate-CoA ligase, ADP-forming, beta subunit pseudogene 2
15081	ENS000002041421		16313	0.13	processed_pseudogene	X	17500790	17501216	chromobox homology 1 pseudogene 4
15092	ENS000002025496		16319	0.13	processed_pseudogene	12	32109628	32109628	eukaryotic translation initiation factor 4A3 pseudogene 5
15120	ENS0000020239272		16341	0.13	processed_pseudogene	14	78148545	78150332	ribosomal protein L21 pseudogene 10
15158	ENS000002024572		16375	0.13	processed_pseudogene	11	122484152	122489494	glutamate ammonia ligase (glutamine synthetase) pseudogene 3
15181	ENS000002029311		16392	0.13	processed_pseudogene	13	137272689	137274911	telomeric repeat binding factor (RNA-interacting) 1 pseudogene 3
15188	ENS0000020228600		16401	0.13	processed_pseudogene	21	16129999	16130673	polymerase (RNA) I (DNA directed) polypeptide C, pseudogene
15191	ENS000002041060		16416	0.13	processed_pseudogene	10	65075924	65075944	phenylalanyl-tRNA synthetase, beta subunit pseudogene 1
15206	ENS000002021102		16419	0.13	processed_pseudogene	10	87912045	87912045	C-terminal binding protein 2 pseudogene 4
15229	ENS000002044089		16451	0.13	processed_pseudogene	3	148542569	148543174	high mobility group box 1 pseudogene 30
15300	ENS000002025231		16471	0.13	processed_pseudogene	11	112079324	112079621	mitochondrial ribosomal protein S26 pseudogene 4
15316	ENS000002022801		16487	0.13	processed_pseudogene	15	44873945	44873945	mitochondrial ribosomal protein S18 pseudogene 4
15321	ENS0000020258392		16485	0.13	processed_pseudogene	14	47468577	47468577	replication protein A2 pseudogene 1
15343	ENS0000020215873		16503	0.13	processed_pseudogene	1	91739326	91739326	flag structure-specific endonuclease 1 pseudogene 1
15356	ENS000002026978		16504						

18906	ENSG00000224927	17646	7	0.13	processed_pseudogene	1	11035264	11035265	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 pseudogene 10
18908	ENSG00000235529	17663	8	0.13	processed_pseudogene	8	98937	98937	SH3 domain pseudogene 11
18924	ENSG00000234788	17722	8	0.13	processed_pseudogene	10	2700351	2700471	heat shock 70kDa protein 8 pseudogene 3
18933	ENSG00000215005	17729	1	0.13	processed_pseudogene	21	30258602	30261984	heat shock 70kDa protein 1 (chaperonin) pseudogene 7
18937	ENSG00000226256	17730	9	0.13	processed_pseudogene	3	114119379	114119821	MT NDC pseudogene 20
17100	ENSG00000230253	17737	4	0.13	processed_pseudogene	3	13583759	13583760	methyltransferase pseudogene pseudogene 1
17108	ENSG00000241890	17858	8	0.13	processed_pseudogene	15	75860068	75861169	ribosomal protein L13 pseudogene 4
17252	ENSG00000235815	17872	3	0.13	processed_pseudogene	1	241042953	241083909	heterogeneous nuclear ribonucleoprotein A1 pseudogene 42
17363	ENSG00000214041	18027	7	0.13	processed_pseudogene	17	18215218	18215219	ribosome 17 pseudogene 65
17378	ENSG00000247571	18030	2	0.13	processed_pseudogene	13	86481954	86481955	phosphoglycerate mutase 1 pseudogene 4
17413	ENSG00000237766	18031	7	0.13	processed_pseudogene	12	67689822	67689823	phosphoglycerate mutase 1 pseudogene 4
14663	ENSG00000263812	18137	13	0.13	processed_transcript	18	7424812	74242265	long intergenic non-protein coding RNA 908
14920	ENSG00000220288	LINC00061	18032	0.13	processed_transcript	19	18739297	18719272	long intergenic non-protein coding RNA 661
15520	ENSG00000228203	RNF144A.AS1	16681	0.13	processed_transcript	2	7052408	7052408	RNF144A antisense RNA 1
1415	ENSG00000141434	MIP1B	2301	0.13	protein_coding	18	29749032	29803367	margin A beta
1861	ENSG00000175263	SLC10A2	2952	0.13	protein_coding	13	13096390	132719196	solute carrier family 10 (sodium/bile acid cotransporter), member 2
1885	ENSG00000182271	TMG01	2363	0.13	protein_coding	17	2864351	28661077	transmembrane and immunoglobulin domain containing 1
1854	ENSG00000197273	GUCY2A	3088	0.13	protein_coding	1	4262362	4263309	guanylate cyclase activator 2A (guanylin)
2846	ENSG00000151168	XIF	4415	0.13	protein_coding	11	16595111	16595115	chromatin (C motif) ligand 1
2881	ENSG00000100336	APOLA	4464	0.13	protein_coding	22	36585172	36600886	chromatin (C motif) ligand 1
3178	ENSG00000135590	ILIR2	4973	0.13	protein_coding	2	10269336	10264508	interleukin 1 receptor type II
3272	ENSG00000134928	QCCT	5135	0.13	protein_coding	2	37211717	3700406	glutaminyl-peptide cyclotransferase
3385	ENSG00000142689	SH3BGR.L3	5293	0.13	protein_coding	1	2866587	2868007	SH3 domain binding glutamic acid-rich protein like 3
3438	ENSG00000123405	NFE2	5411	0.13	protein_coding	12	5485895	5489405	nuclear factor, erythroid 2
3604	ENSG00000103933	CACRY	5651	0.13	protein_coding	17	38710021	38721234	chromokine (C-motif) receptor 7
3673	ENSG00000115474	KCNJ13	5710	0.13	protein_coding	2	23361174	233641278	potassium inwardly-rectifying channel, subfamily J, member 13
3796	ENSG00000117586	TNFSF4	5905	0.13	protein_coding	1	173152873	173176452	tumor necrosis factor (ligand) superfamily, member 4
3811	ENSG00000106162	TNFRSF1A	5908	0.13	protein_coding	12	643112	643112	tumor necrosis factor receptor superfamily, member 1A
3840	ENSG00000202542	TMS6A	6057	0.13	protein_coding	8	9399707	9399707	thymosin beta 4, X-linked
3963	ENSG00000185215	TNFAIP2	6226	0.13	protein_coding	14	103589779	103603776	tumor necrosis factor, alpha-induced protein 2
3981	ENSG00000202463	RNF13	6233	0.13	protein_coding	12	12061129	12061129	ring finger protein 13
4036	ENSG00000204257	HLA-DMA	6310	0.13	protein_coding	6	32939871	32939871	major histocompatibility complex, class II, DM alpha
4069	ENSG00000195562	CD74	6367	0.13	protein_coding	5	148791200	148792400	CD74 molecule, major histocompatibility complex, class II invariant chain
4100	ENSG00000102593	TFC	6510	0.13	protein_coding	11	11588767	11588767	basic domain containing 13 (IL13R-ACE2)
4216	ENSG00000243317	CTEFF3	6549	0.13	protein_coding	7	135347244	135378166	chromosome 7 open reading frame 73
4226	ENSG00000135074	ADAM19	6560	0.13	protein_coding	5	15682242	157002783	ADAM metalloproteinase domain 19
4261	ENSG00000103158	TALDO1	6613	0.13	protein_coding	13	2633183	2633183	XX, Kall blood group complex antigen related family, member 8
4268	ENSG00000177158	TALDO1	6628	0.13	protein_coding	11	747129	76924	transaldolase 1
4296	ENSG00000110031	LPFN	6679	0.13	protein_coding	11	8258434	86454993	lipucan
4300	ENSG00000100059	PCPL	6718	0.13	protein_coding	4	5123449	5123449	phosphatidylcholine phosphatase
4326	ENSG00000101695	RNF125	6717	0.13	protein_coding	18	29958335	29958335	ring finger protein 125, E3 ubiquitin protein ligase
4362	ENSG00000074370	ATP2A3	6778	0.13	protein_coding	17	3827189	3827189	ATPase, Ca+ transporting, ubiquitous
4397	ENSG00000102578	CARFMT	6847	0.13	protein_coding	5	14842468	14842468	colony stimulating factor 1 receptor
4407	ENSG00000189219	FAM53B	6851	0.13	protein_coding	16	12837981	12842330	family with sequence similarity 53, member B
4412	ENSG00000137078	SIT1	6863	0.13	protein_coding	9	3564922	3565037	signaling threshold regulating transmembrane adaptor 1
4444	ENSG00000104870	FCMST	6913	0.13	protein_coding	9	5001073	5000990	Fc fragment of IgG, receptor, transmembrane, alpha
4448	ENSG00000142619	DCER1	6903	0.13	protein_coding	11	9101303	9101303	Z-DNA-binding protein 1, mitochondrial
4460	ENSG00000106570	DIRD2	6928	0.13	protein_coding	19	42752599	42724292	death effector domain containing 2
4467	ENSG00000105582	RPR1	6931	0.13	protein_coding	12	6283387	6283402	protein rich 13
4481	ENSG00000151277	UBASH3B	6941	0.13	protein_coding	11	12263383	12268181	ubiquitin associated SH3 domain containing 6
4517	ENSG00000169926	KLF13	7000	0.13	protein_coding	15	31619058	31727668	Kruppel-like factor 13
4580	ENSG00000135378	PRRG4	7062	0.13	protein_coding	11	3285149	3287969	proline rich G1 (G-arabinoxylanase A) (transmembrane)
4611	ENSG00000102927	CTTBF2	7116	0.13	protein_coding	11	80404962	80404962	chromosome 17 open reading frame 62
4640	ENSG00000173281	PPP1R3B	7170	0.13	protein_coding	8	8593765	8603904	protein phosphatase 1, regulatory subunit 3B
4640	ENSG00000198884	HSRD2	7178	0.13	protein_coding	19	16244838	16269386	hematopoietic SH2 domain containing
4672	ENSG00000102923	PCAT	7178	0.13	protein_coding	19	91426211	91426211	serine carboxylase
4700	ENSG00000169589	MSA8	7233	0.13	protein_coding	11	6048374	6048324	membrane-associated 4 domain, subfamily A, member 8
4727	ENSG00000093908	MAS3	7274	0.13	protein_coding	12	10288803	10282502	microtubule associated serine/threonine kinase 3
4740	ENSG00000210748	TNFRSF2	7282	0.13	protein_coding	19	9496120	9496120	transmembrane and collectin domain family 2
4744	ENSG00000144746	ARLRF5	7373	0.13	protein_coding	3	6913495	69152117	ADP-ribosylation-like factor 6 interacting protein 5
4845	ENSG00000156219	ZDHHC2	7420	0.13	protein_coding	8	17013538	17092308	zinc finger, DHHC-type containing 2
4854	ENSG00000105118	ZFP612	7472	0.13	protein_coding	8	43447411	43447448	ZFP612, zinc finger protein-like 2
4871	ENSG00000104518	GSDMD	7477	0.13	protein_coding	8	14465377	14465372	gasdermin D
4924	ENSG00000184203	PPP1R2	7552	0.13	protein_coding	3	19521221	19527029	protein phosphatase 1, regulatory (inhibitor) subunit 2
4943	ENSG00000102443	CAC1	7562	0.13	protein_coding	13	1566870	1566870	cathepsin B
4960	ENSG00000172007	RAB33B	7599	0.13	protein_coding	4	14037436	14037763	RAB33B, member RAS oncogene family
5033	ENSG00000135956	TMEM127	7684	0.13	protein_coding	2	86914254	86913732	transmembrane protein 127
5036	ENSG00000105988	RPR1	7683	0.13	protein_coding	12	6283387	6283402	RNA binding motif protein 47
5057	ENSG00000130150	MCSFP2	7715	0.13	protein_coding	8	14891563	14894409	motif swap domain containing 2
5074	ENSG00000187118	CMC1	7735	0.13	protein_coding	3	2826373	2826633	Cw/C1 motif containing 1
5086	ENSG0000018112	CAR2	7746	0.13	protein_coding	11	10528463	10528463	calcium/calmodulin modulator 2
5310	ENSG00000100422	CERK	8022	0.13	protein_coding	22	47080308	47134158	ceramide kinase
5347	ENSG00000185187	SIRRR	8021	0.13	protein_coding	11	405718	417455	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
5383	ENSG00000102088	TRAF3	8112	0.13	protein_coding	11	8832314	8832314	trichostatin acid-inducible 1
5483	ENSG00000106362	C10AL11	8208	0.13	protein_coding	7	7198595	7288292	core 1 synthase, glycoprotein N-acetylglucosaminase 3-beta-galactosyltransferase, 1
5488	ENSG00000118683	FBOX6	8231	0.13	protein_coding	1	1172481	1172411	F box protein 6
5513	ENSG00000105118	RNF211	8231	0.13	protein_coding	11	1053129	1053129	ring finger protein 141
5600	ENSG00000188305	C13orf35	8373	0.13	protein_coding	19	227461	2282181	chromosome 19 open reading frame 35
5673	ENSG00000142875	PRKACB	8436	0.13	protein_coding	19	45453745	45470161	protein kinase, cAMP-dependent, catalytic, beta
5702	ENSG00000111698	ITFT1	8443	0.13	protein_coding	11	4346103	4346103	epithelial terminal (epitaxin 1) (breast)
5985	ENSG00000126248	IGF-RL1	8739	0.13	protein_coding	19	36230058	36233354	IGF-like receptor 1
6148	ENSG000002073173	SNRPN	8924	0.13	protein_coding	15	2520133	2522729	SNRPN upstream reading frame protein
6170	ENSG00000102096	PASD2	8924	0.13	protein_coding	22	4321418	4341151	protein kinase C and casein kinase substrate in neurons 2
6260	ENSG00000106796	PKC	9022	0.13	protein_coding	26	2448333	2448333	protein kinase C, isozyme 3
6311	ENSG00000198199	MPHOSPH8	9101	0.13	protein_coding	13	2020778	20247599	M-phase phosphoprotein 8
6312	ENSG00000164074	CAD9	9102	0.13	protein_coding	4	12886481	12890698	chromosome 4 open reading frame 29
6347	ENSG00000154808	STRN	9314	0.13	protein_coding	8	3701975	37119815	strapped filament binding protein 3
6554	ENSG00000164591	WR6B2	9365	0.13	protein_coding	3	5228208	5228208	WD repeat domain 82
6578	ENSG00000137860	SLC26A2	9453	0.13	protein_coding	15	4554746	4559149	solute carrier family 26 (anion-exchange nucleoside transporter), member 2
6719	ENSG00000103495	CAMK1D	9457	0.13	protein_coding	18	12391481	12391481	calcium/calmodulin-dependent protein kinase D
6748	ENSG00000162895	SLC30A7	9536	0.13	protein_coding	1	10181852	101847309	solute carrier family 30 (zinc transporter), member 7
6862	ENSG00000189891	RFBP2	9576	0.13	protein_coding	8	1898441	1771386	RALBP1 associated E3 domain containing 2
6883	ENSG00000104961	RBM2B	9604	0.13	protein_coding	8	2336884	2336884	RNA binding motif protein 23
6885	ENSG00000132842	AP3B1	9603	0.13	protein_coding	5	7728349	7728579	adaptor related protein complex 3, beta 1 subunit
7136	ENSG00000113163	COL4A3BP	9881	0.13	protein_coding	5	7466311	74671963	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein
7137	ENSG00000104221	PKNOX1	9881	0.13	protein_coding	5	8096126	8106286	protein kinasenox1
7141	ENSG00000177454	LRC4A	9884	0.13	protein_coding	7	10018685	10008376	leuc

12366	ENSG00000122000	ZNF451	14246.2	0.13	protein_coding	56991642	57035105	zinc finger protein 451
12367	ENSG00000123977	CNF4F3	14246.3	0.13	protein_coding	58052587	58052587	chromosome 8 non reading frame 163
12720	ENSG00000168970	JMJD7_PLA2G4B	14516.9	0.13	protein_coding	42120293	42140353	JMJD7_PLA2G4B readthrough
12978	ENSG00000147421	HMOXB1	14699.1	0.13	protein_coding	28747911	28622281	homoexon containing 1
13012	ENSG00000204923	FBXO28	14725.3	0.13	protein_coding	69694381	69943800	F-box protein 48
13017	ENSG00000147439	EBI3	14746.3	0.13	protein_coding	22417931	22526861	inhibitory receptor 3
13095	ENSG00000200140	STYK1	14784.8	0.13	protein_coding	10771538	10629217	serine/threonine/tyrosine kinase 1
13132	ENSG00000171853	TRAFIP2	14814.3	0.13	protein_coding	33634462	34688905	trafficking protein particle complex 12
13146	ENSG00000187031	DHFR1L1	14821.5	0.13	protein_coding	93782633	93782633	dihydrofolate reductase-like 1
13151	ENSG00000146399	TAAR1	14827.8	0.13	protein_coding	132968123	132968122	trace amine associated receptor 1
13373	ENSG00000155841	RMR2	15071.1	0.13	protein_coding	38103330	38249285	regulator of microtubule dynamics 2
13382	ENSG00000202889	ARL17A	15156	0.13	protein_coding	44323265	44439130	ADP-ribosyl transferase-like 17B
13620	ENSG00000187080	B4GALNT2	15188.1	0.13	protein_coding	47209822	47427351	beta-1,4-N-acetylgalactosaminyl transferase 2
13683	ENSG00000202427	ABMD19A	15205.1	0.13	protein_coding	31654426	31671221	alpha-glucosidase domain containing 10A
13688	ENSG00000203995	DRC6	15206.9	0.13	protein_coding	185263457	185263456	diacylglycerol kinase, gamma SRA2A
13981	ENSG00000182489	XRRX	15445.4	0.13	protein_coding	10018833	100184222	XX, Kall blood group complex subunit-related, X-linked
13989	ENSG00000202852	DKFZ	15463.4	0.13	protein_coding	99982473	99982448	Uncharacterized protein
14060	ENSG00000191623	ZCCHC16	15510.3	0.13	protein_coding	111697207	111700473	zinc finger, CCHC domain containing 16
14200	ENSG00000113119	TMCO6	15619.8	0.13	protein_coding	140019012	140024993	transmembrane and coiled-coil domains 6
14341	ENSG00000204925	TRIP9	15729.7	0.13	protein_coding	22447877	22449307	Uncharacterized protein
14364	ENSG00000149255	RAB19	15792.2	0.13	protein_coding	140703863	140120000	RAB19, member RAS oncogene family
14468	ENSG00000196539	OR2T3	15831.5	0.13	protein_coding	24863627	24863734	olfactory receptor, family 2, subfamily T, member 3
14468	ENSG00000181433	SAGE1	15907.5	0.13	protein_coding	134971374	134992220	sarcoma antigen 1
14600	ENSG00000193817	KIAA1407	15959.1	0.13	protein_coding	113926440	113776440	KIAA1407
14638	ENSG00000205708	GPR142	15982.8	0.13	protein_coding	72363546	72368761	G protein-coupled receptor 142
14670	ENSG00000202372	DCNARL1	15985.2	0.13	protein_coding	27998110	27998959	DOBE1 and OLL4 associated factor 8-like 1
14671	ENSG00000186893	KRT19L1.7	15995.5	0.13	protein_coding	58471025	58471047	keratin associated protein 17.1
14686	ENSG00000203538	XRRX	16006.9	0.13	protein_coding	46713383	46799449	Uncharacterized protein
14723	ENSG00000181381	PLKDC1	16027	0.13	protein_coding	37219556	37310647	pleckstrin domain containing 1
14728	ENSG00000193937	ZNF97	16037.7	0.13	protein_coding	53623695	53623695	zinc finger protein 97
14767	ENSG00000136935	GOLGA1	16075.9	0.13	protein_coding	127648646	127710771	golgin A1
14893	ENSG00000189393	ELSPBP1	16164.5	0.13	protein_coding	48447908	48452410	ecodiffamy sperm binding protein 1
15011	ENSG00000181488	NES	16213.1	0.13	protein_coding	15613331	15613330	neurospasin 2, receptor 2
15029	ENSG00000159688	MT1B	16263.8	0.13	protein_coding	56658511	56687116	metallothionein 1B
15138	ENSG00000186214	ORF1	16364.2	0.13	protein_coding	247875045	247875045	olfactory receptor, family 6, subfamily F, member 1
15147	ENSG00000191623	SLX1B	16402.2	0.13	protein_coding	28483940	28483940	SLX1 structure-specific endonuclease (homolog 5) (SceIase)
15190	ENSG00000202760	XRRX	16402.2	0.13	protein_coding	197353921	197301414	Uncharacterized protein; Zinc finger protein 555B
15230	ENSG00000182388	C1orf177	16432.5	0.13	protein_coding	56271736	55307305	chromosome 1 open reading frame 177
15234	ENSG00000182388	C1orf177	16432.5	0.13	protein_coding	13230769	13230769	transcription factor 10 family, member 3
15368	ENSG00000158131	OR2B2	16524.5	0.13	protein_coding	27818953	27890174	olfactory receptor, family 2, subfamily B, member 2
15377	ENSG00000204106	OR2B3	16530.3	0.13	protein_coding	108218883	108220852	Uncharacterized protein
15410	ENSG00000191623	OR2B4	16530.3	0.13	protein_coding	24827060	24827060	olfactory receptor, family 2, subfamily T, member 11 (genepseudogene)
15427	ENSG00000185881	MORF8	16568.7	0.13	protein_coding	124922190	124922190	MORN repeat containing 5
15511	ENSG00000103546	SLC2A2	16635.4	0.13	protein_coding	58589516	55740104	solute carrier family 6 (neurotransmitter transporter), member 2
15530	ENSG00000186859	ANKRD1A	16653.8	0.13	protein_coding	602510101	602510101	ankyrin repeat and death domain containing 1A
15573	ENSG00000186859	ANKRD1A	16653.8	0.13	protein_coding	110789258	110789257	leucine-rich repeat, immunoglobulin and transmembrane domains 3
15640	ENSG00000202182	OR2A2	16740.4	0.13	protein_coding	3181193	3182288	olfactory receptor, family 3, subfamily A, member 2
15666	ENSG00000203077	ZNF99	16756.4	0.13	protein_coding	19427890	19430160	family with sequence similarity 100, member 2
15706	ENSG00000193937	ZNF99	16756.4	0.13	protein_coding	22939003	22939003	zinc finger protein 99
15713	ENSG00000195479	CDC114	16792.6	0.13	protein_coding	48739714	48625151	collet-coil domain containing 114
15722	ENSG00000185633	CYP17	16798.6	0.13	protein_coding	40959810	40963605	cytochrome P450 17A1
15741	ENSG00000145091	IL13RA	16804.9	0.13	protein_coding	6541201	65218678	interleukin 13 receptor A
15753	ENSG00000204796	SPO11	16820.1	0.13	protein_coding	55904815	55919050	SPO11 meiotic protein covalently bound to DSB
15766	ENSG00000157631	COL6A3	16828.4	0.13	protein_coding	15491649	15563258	collagen-like tail subunit (single triple of homotrimer of asymmetric alpha1(V)collagenase
15768	ENSG00000163981	CDC420	16833.0	0.13	protein_coding	223162666	223162666	collet-coil domain containing 149
15789	ENSG00000178394	HTR1A	16851.7	0.13	protein_coding	63258183	63258184	5-hydroxytryptamine (serotonin) receptor 1A, G-protein-coupled
15797	ENSG00000180305	WPCRD1	16859.4	0.13	protein_coding	44258185	44258930	WAP four-disulfide core domain 10A
15816	ENSG00000202886	GOLGA8	16862.2	0.13	protein_coding	49271965	49271965	chromosome 3 open reading frame 84
15826	ENSG00000204308	JMJD7_PLA2G4B	16883.2	0.13	protein_coding	42140283	42140345	phospholipase A2, group IVB (cytochrome-c)
15836	ENSG00000147434	CHRNA6	16896.4	0.13	protein_coding	42607783	42607535	cholinergic receptor, nicotinic, alpha 6 (neuronal)
15921	ENSG00000191623	ZNF40	16926.1	0.13	protein_coding	11526199	11526199	zinc finger protein 400
15949	ENSG00000202849	XRRX	16926.1	0.13	protein_coding	3188661	3204294	chromosome X open reading frame 28
15969	ENSG00000186884	TOP1D	16994.9	0.13	protein_coding	167559932	167610401	IC complex 10-like 2
15981	ENSG00000181411	WPCRD3	17003.3	0.13	protein_coding	44432071	44432071	WAP four-disulfide core domain 3
16069	ENSG00000158553	POM121L2	17067.7	0.13	protein_coding	27253862	27279949	POM121 transmembrane nucleoporin-like 2
16084	ENSG00000159625	CCDC135	17098.2	0.13	protein_coding	57278705	57278717	collet-coil domain containing 135
16087	ENSG00000193937	GOLGA8	17112.3	0.13	protein_coding	3016102	3016102	protein A1, member 2
16104	ENSG00000154537	OR2B5	17112.3	0.13	protein_coding	44990314	44991483	family with sequence similarity 27, member C
16110	ENSG00000185758	CLDN24	17113.9	0.13	protein_coding	184242917	18424379	claudin 24
16126	ENSG00000145028	SNX31	17126.4	0.13	protein_coding	10158748	10158748	sortilin protein 31
16207	ENSG00000144504	ANKMY1	17181.3	0.13	protein_coding	24141839	24150826	ankyrin repeat and MYND domain containing 1
16221	ENSG00000171446	KRT17	17195.7	0.13	protein_coding	38933050	38938196	keratin 17
16285	ENSG00000189973	OR2B6	17203.8	0.13	protein_coding	12003130	12003130	prolactin receptor tyrosine receptor
16286	ENSG00000100341	PNPLA5	17236.0	0.13	protein_coding	44275558	44279893	phospholipase domain containing 5
16292	ENSG00000186546	BEAN1	17240.3	0.13	protein_coding	86481200	86637430	protein expressed, associated with NEDD4, 1
16388	ENSG00000187644	INBR7	17249.3	0.13	protein_coding	15688163	15688163	intran nucleotide-related receptor
16408	ENSG00000202702	ZNF525	17252.3	0.13	protein_coding	44761451	44762164	Uncharacterized protein
16415	ENSG00000192897	THP2	17332.1	0.13	protein_coding	72332626	72803398	tryptophan hydroxylase 2
16454	ENSG00000150170	LOC43376	17345.2	0.13	protein_coding	9873861	9873861	Uncharacterized protein
16457	ENSG00000181355	OPC1	17365.8	0.13	protein_coding	9695343	10271841	oncofocal cell 1 candidate 1
16515	ENSG00000182753	SLC3C2	17406	0.13	protein_coding	17348963	17357233	solute carrier family 3, member C2 (putative)
16518	ENSG00000122299	LOC10028814	17406	0.13	protein_coding	13551893	13551893	lumicanin receptor 4
16560	ENSG00000234469	LOC10028814	17517.5	0.13	protein_coding	9935392	9935134	Homo sapiens uncharacterized LOC10028814 (LOC10028814), mRNA
16584	ENSG00000170795	PKDZ25	17517.5	0.13	protein_coding	137223657	137278436	polycystic kidney disease 2-like 2
16720	ENSG00000191599	ANKRD10	17581.5	0.13	protein_coding	6071007	6071007	ankyrin repeat domain 10
16824	ENSG00000100366	LRRP8	17622.3	0.13	protein_coding	2741785	2741785	low density lipoprotein receptor-related protein 5-like
16843	ENSG00000208163	CCDC162	17673.7	0.13	protein_coding	57949338	57989904	Uncharacterized protein
16862	ENSG00000186529	CCDC162	17695.3	0.13	protein_coding	55821842	55822273	collet-coil domain containing 162
17038	ENSG00000140466	FAM184B	17692.6	0.13	protein_coding	17818299	17781135	family with sequence similarity 184, member B
17080	ENSG00000152582	SFRP2	17837.4	0.13	protein_coding	35617346	35814713	sperm flagellar 2
17168	ENSG00000182633	NTR7	17852.3	0.13	protein_coding	49146964	49176338	netrin 5
17223	ENSG00000186838	NTR7	17852.3	0.13	protein_coding	91818768	91822158	netrin 5
17223	ENSG00000171962	LRRRC48	17858.6	0.13	protein_coding	17878127	17820203	leucine rich repeat containing 48
17226	ENSG00000184930	C11orf28	17884.5	0.13	protein_coding	11178876	11179798	chromosome 11 open reading frame 28
17240	ENSG00000204926	EFHC2	17925.3	0.13	protein_coding	11965844	11965844	EF-hand calcium binding domain 9
17440	ENSG00000201430	EFHC9	18088.7	0.13	protein_coding	17182178	17183056	EF-hand calcium binding domain 9
17488	ENSG000002048919	PTCD1	18125.6	0.13	protein_coding	99017372	99036300	ATP5B-PTCD1 readthrough
17511	ENSG00000203320	LOC10094547	18125.6	0.13	protein_coding	10381768	10381768	HCG15011, protein C8A, protein LOC10094547
17675	ENSG00000140527	WDR93	18261.7	0.13	protein_coding	90234028	90236689	WD repeat domain 93

14171	ENSG00000235301		15597.4	0.13	unprocessed_pseudogene	6	32864193	32864267	major histocompatibility complex, class I, Z (pseudogene)
14342	ENSG00000235299		15730.9	0.13	unprocessed_pseudogene	8	715538	715548	family with sequence similarity 80, member A20, pseudogene
14665	ENSG00000225117		16215.9	0.13	unprocessed_pseudogene	Y	14474827	14499123	arylsulfatase D pseudogene 1
16107	ENSG00000202581	ORF1ZP	16334.1	0.13	unprocessed_pseudogene	16	3265562	3265562	olfactory receptor, family 1, subfamily F, member 2
16383	ENSG00000204962		16616.6	0.13	unprocessed_pseudogene	16	68026326	68026326	lysyl-RNA synthetase pseudogene 3
16488	ENSG00000233358		16576.1	0.13	unprocessed_pseudogene	10	13529432	13529574	olfactory receptor, family 7, subfamily M, member 1 pseudogene
16582	ENSG00000202721		16780	0.13	unprocessed_pseudogene	6	28041094	28042011	olfactory receptor, family 1, subfamily F, member 12
16662	ENSG00000201563		16931.7	0.13	unprocessed_pseudogene	4	25721721	25722063	MT-ND3 pseudogene 5
16668	ENSG00000227941		17107.1	0.13	unprocessed_pseudogene	2	202421615	202422988	MT-ND5 pseudogene 31
16162	ENSG00000236955		17148.3	0.13	unprocessed_pseudogene	3	75419599	75420493	olfactory receptor, family 7, subfamily E, member 55 pseudogene
16452	ENSG00000237124		17352.6	0.13	unprocessed_pseudogene	9	112062496	112063452	MT-ND2 pseudogene 11
16474	ENSG00000223283		17378.9	0.13	unprocessed_pseudogene	12	86038979	86040447	olfactory receptor, family 10, subfamily AE, member 3 pseudogene
16550	ENSG00000230999		17433.1	0.13	unprocessed_pseudogene	7	112012702	112013784	MT-ND5 pseudogene 6
2542	ENSG00000244538		3927.2	0.13					
3036	ENSG00000200943		4749	0.13					
3179	ENSG00000185900	FBA1	4973.5	0.13	X	15468576	15468576	coagulation factor VII-associated 3	
4537	ENSG000002084207		7029.5	0.13					
4941	ENSG00000232561		7590.3	0.13		74652763	74653438	general transcription factor III, pseudogene 1	
4994	ENSG00000217624		7646.6	0.13					
5021	ENSG00000206252		7692.7	0.13					
5066	ENSG00000223923		7729.8	0.13		18	9277977	9278077	Small nuclear RNA U13
5082	ENSG00000226089		7748.4	0.13					
5133	ENSG00000273153		7817.9	0.13					
6115	ENSG00000234588		8608.9	0.13					
6206	ENSG00000108292	MLT8	8866.7	0.13	17	36861796	36868056	myeloid/lymphoid or mixed-lineage leukemia (retinoblastoma homolog, Drosophila), translocated to, 8	
6285	ENSG00000268888		9070.3	0.13		2	37068327	37068530	Uncharacterized protein
6699	ENSG00000202721		9451.6	0.13	14	90052006	90052105	Y RNA	
6716	ENSG00000252522		9501	0.13					
6864	ENSG00000226507		9638.2	0.13					
7046	ENSG00000204962		9813.8	0.13					
7089	ENSG00000273272		9851.7	0.13					
7312	ENSG00000212999		10054.5	0.13					
7563	ENSG00000264538		10207.7	0.13					
7719	ENSG00000238630		10442.9	0.13	19	52637506	52637593	Small nuclear RNA U13	
8046	ENSG00000237513		10744.8	0.13					
8276	ENSG00000235688		10945.3	0.13					
8445	ENSG00000271734		11088	0.13					
8885	ENSG000002020735		11432.8	0.13	17	38399475	38399571	RNA, Ro-associated Y4 pseudogene 8	
8888	ENSG00000235884		11455.8	0.13					
9022	ENSG00000273478		11562.1	0.13					
9132	ENSG00000230953		11658	0.13					
9347	ENSG00000230989		11828.3	0.13					
9401	ENSG00000240761		11863.2	0.13					
9437	ENSG00000230732		11886.6	0.13					
9603	ENSG00000206030		12076.6	0.13					
9820	ENSG00000238485		12213.6	0.13					
10008	ENSG00000270832		12351.7	0.13					
10126	ENSG00000236843		12445.27	0.13					
10217	ENSG00000269569		12519.6	0.13					
10404	ENSG00000259177		12652.5	0.13					
10492	ENSG00000204133		12725.2	0.13					
10574	ENSG00000242288		12747.6	0.13					
10624	ENSG00000223583		12823.5	0.13					
10661	ENSG00000224113		12863.5	0.13					
10673	ENSG00000225438		12873.7	0.13					
10829	ENSG00000272941		13010.6	0.13					
10837	ENSG00000230265		13016.3	0.13	12	57904847	57904918	RNA, U6 small nuclear 584, pseudogene	
10915	ENSG00000230266		13092.5	0.13					
11105	ENSG00000270061		13223.1	0.13					
11185	ENSG00000234072		13359.7	0.13					
11206	ENSG00000230953		13390.3	0.13					
11276	ENSG00000270285		13373.1	0.13					
11770	ENSG00000234141		13810.2	0.13					
11974	ENSG00000240393		13961.5	0.13					
12066	ENSG00000267568		14046.2	0.13					
12096	ENSG000001997670		14057.5	0.13					
12129	ENSG00000245933		14079.5	0.13					
12141	ENSG00000262360		14086.8	0.13					
12226	ENSG00000249086		14141.8	0.13					
12350	ENSG00000259592		14242.9	0.13					
12354	ENSG00000268713		14244.5	0.13					
12434	ENSG00000230918		14300.8	0.13					
12438	ENSG00000245655		14307.1	0.13					
12446	ENSG00000231362		14313.1	0.13					
12456	ENSG00000225331		14317.9	0.13					
12461	ENSG00000231229		14322.7	0.13					
12736	ENSG00000272971		14532.2	0.13					
12750	ENSG00000221356		14542.5	0.13					
12867	ENSG00000233168		14630.1	0.13					
12965	ENSG00000255421		14692.5	0.13					
12968	ENSG00000223931		14693	0.13					
13119	ENSG00000232123		14803.7	0.13	20	48444529	48444590	RNA, U7 small nuclear 72 pseudogene	
13128	ENSG00000241938		14810.4	0.13					
13196	ENSG00000214593		14863.2	0.13					
13222	ENSG00000260511		14891.3	0.13	4	17596691	17596699	RNA, 7SL, cytoplasmic 315, pseudogene	
13227	ENSG00000239538		14897	0.13					
13306	ENSG00000239532		14955.5	0.13					
13336	ENSG00000224117		14977.7	0.13					
13360	ENSG00000207262		14990	0.13					
13382	ENSG00000261745		15009.3	0.13					
13465	ENSG00000269541		15068.1	0.13	X	41496727	41497072	RNA, 7SL, cytoplasmic 406, pseudogene	
13469	ENSG00000269495		15090.5	0.13					
13557	ENSG00000268804		15141.6	0.13	17	62813306	62813597	RNA, 7SL, cytoplasmic 406, pseudogene	
13593	ENSG00000268804		15163.1	0.13					
13696	ENSG0000026314		15169	0.13					
13832	ENSG00000237453		15195.9	0.13					
13676	ENSG00000236027		15231.1	0.13					
13689	ENSG00000240401		15241.3	0.13					
13731	ENSG00000234338		15279.2	0.13					
13790	ENSG00000234248		15315.5	0.13					
13792	ENSG00000197609		15317.3	0.13					
13799	ENSG000002084711		15320.5	0.13					
13846	ENSG00000238663		15354.6	0.13	2	216167489	216167587	Small nuclear RNA U13	
13873	ENSG00000215103		15374.5	0.13					
13882	ENSG00000232372		15384	0.13					
13922	ENSG00000223450		15415.4	0.13					
13943	ENSG00000268833		15433.6	0.13					
14004	ENSG00000228337		15474.8	0.13					
14006	ENSG00000268889		15476.3	0.13					
14012	ENSG00000232927		15481.8	0.13					
14017	ENSG00000260764		15484.5	0.13					
14087	ENSG00000236324		15537.4	0.13					
14098	ENSG00000232658		15539.1	0.13					
14121	ENSG00000268174		15560.1	0.13					
14129	ENSG00000234629		15561.9	0.13					
14150	ENSG00000212953		15576.1	0.13					
14169	ENSG00000270510		15596.3	0.13					
14185	ENSG00000238342		15607	0.13	15	33187401	33187502	Small nuclear RNA U13	
14205	ENSG00000258188		15628.8	0.13					
14213	ENSG00000254478		15638.2	0.13					
14223	ENSG00000258895		15647	0.13					
14233	ENSG00000264971		15653.3	0.13					
14241	ENSG00000212959		15657.3	0.13					
14261	ENSG00000271816		15675	0.13					
14274	ENSG00000186166		15682.3	0.13					
14300	ENSG00000254155		15697.3	0.13					

14684	ENSG00000226266	15979	0.13				
14684	ENSG00000211778	15993	0.13				
14694	ENSG00000240292	16004	0.13				
14699	ENSG00000224413	16007	0.13				
14724	ENSG00000217625	16027	0.13				
14728	ENSG00000244456	16028	0.13				
14738	ENSG00000251901	16033	0.13	13	96368931	96367032	Small nuclear RNA snR65
14738	ENSG00000270599	16035	0.13				
14741	ENSG00000287265	16037	0.13				
14748	ENSG00000231995	16041	0.13				
14750	ENSG00000281015	16043	0.13				
14775	ENSG00000225854	16066	0.13				
14788	ENSG00000216703	16082	0.13				
14817	ENSG00000237369	16097	0.13				
14835	ENSG00000225999	16109	0.13				
14842	ENSG00000208783	16117	0.13				
14844	ENSG00000228234	16119	0.13				
14868	ENSG00000228624	16139	0.13	8	27612549	27612639	Small nuclear RNA U13
14871	ENSG00000234111	16141	0.13				
14884	ENSG00000281241	16150	0.13				
14916	ENSG00000232495	16177	0.13				
14917	ENSG00000233020	16177	0.13				
14930	ENSG00000222095	16185	0.13				
14935	ENSG00000225625	16187	0.13				
14941	ENSG00000270610	16191	0.13				
14955	ENSG00000249028	16204	0.13				
14958	ENSG00000212259	16209	0.13				
14964	ENSG00000286830	16215	0.13				
14999	ENSG00000202284	16236	0.13				
15009	ENSG00000234283	16246	0.13				
15010	ENSG00000287149	16246	0.13				
15039	ENSG00000218119	16271	0.13				
15044	ENSG00000219863	16278	0.13				
15054	ENSG00000233006	16288	0.13				
15058	ENSG00000250646	16293	0.13				
15060	ENSG00000232727	16293	0.13				
15066	ENSG00000225785	16301	0.13				
15086	ENSG00000243904	16316	0.13				
15111	ENSG00000210110	16334	0.13				
15130	ENSG00000244249	16351	0.13				
15131	ENSG00000202773	16352	0.13				
15137	ENSG00000227755	16363	0.13				
15148	ENSG00000270739	16371	0.13				
15149	ENSG00000243234	16371	0.13				
15154	ENSG00000205699	16375	0.13				
15158	ENSG00000228543	16376	0.13				
15161	ENSG00000271101	16379	0.13				
15164	ENSG00000286394	16381	0.13				
15168	ENSG00000262555	16385	0.13				
15169	ENSG00000231114	16385	0.13				
15176	ENSG00000217895	16389	0.13				
15178	ENSG00000213448	16389	0.13				
15182	ENSG00000232645	16396	0.13				
15194	ENSG00000273328	16404	0.13				
15200	ENSG00000235117	16410	0.13				
15208	ENSG00000232403	16414	0.13				
15215	ENSG00000287598	16422	0.13				
15229	ENSG00000231367	16427	0.13				
15234	ENSG00000198802	16428	0.13				
15225	ENSG00000289515	16428	0.13				
15232	ENSG00000250717	16432	0.13				
15234	ENSG00000271490	16437	0.13				
15246	ENSG00000258870	16447	0.13				
15290	ENSG00000234310	16447	0.13				
15251	ENSG00000235702	16447	0.13				
15269	ENSG00000175504	16454	0.13				
15278	ENSG00000248442	16463	0.13				
15279	ENSG00000248634	16462	0.13				
15281	ENSG00000251856	16464	0.13				
15292	ENSG00000230700	16468	0.13				
15305	ENSG00000234308	16476	0.13				
15323	ENSG00000212220	16490	0.13				
15329	ENSG00000285012	16491	0.13				
15331	ENSG00000227249	16494	0.13				
15332	ENSG00000232529	16494	0.13				
15339	ENSG00000222545	16498	0.13				
15394	ENSG00000232470	16521	0.13				
15370	ENSG00000228320	16528	0.13				
15372	ENSG00000225744	16528	0.13				
15386	ENSG00000232343	16537	0.13	1	144612266	144612683	profilin 1 pseudogene 2
15390	ENSG00000228923	16539	0.13				
15391	ENSG00000255772	16539	0.13				
15392	ENSG00000236238	16539	0.13				
15397	ENSG00000236383	16542	0.13				
15399	ENSG00000229223	16544	0.13	4	22351073	22351177	Small nuclear RNA U13
15408	ENSG00000233434	16553	0.13				
15425	ENSG00000246498	16567	0.13				
15432	ENSG00000204981	16572	0.13				
15443	ENSG00000244706	16580	0.13				
15450	ENSG00000216786	16587	0.13				
15454	ENSG00000218622	16591	0.13				
15463	ENSG00000255988	16598	0.13				
15468	ENSG00000286899	16599	0.13				
15469	ENSG00000285471	16601	0.13				
15475	ENSG00000258477	16602	0.13				
15480	ENSG00000251654	16606	0.13				
15492	ENSG00000225962	16612	0.13				
15501	ENSG000002041008	16628	0.13				
15503	ENSG00000170165	16629	0.13				
15512	ENSG00000225599	16635	0.13				
15518	ENSG000002048625	16638	0.13				
15519	ENSG00000213729	16638	0.13				
15526	ENSG00000206152	16649	0.13				
15535	ENSG00000228450	16681	0.13				
15547	ENSG00000257241	16687	0.13				
15550	ENSG00000231028	16672	0.13				
15552	ENSG00000242021	16672	0.13				
15567	ENSG00000234826	16679	0.13				
15570	ENSG00000229137	16681	0.13				
15576	ENSG00000271330	16686	0.13				
15580	ENSG00000280763	16688	0.13				
15581	ENSG00000234408	16693	0.13				
15583	ENSG00000255064	16690	0.13				
15586	ENSG00000272153	16693	0.13				
15588	ENSG00000232575	16695	0.13				
15594	ENSG00000228508	16698	0.13				
15600	ENSG00000286815	16703	0.13				
15608	ENSG00000232425	16712	0.13				
15609	ENSG00000230969	16714	0.13				
15620	ENSG00000244828	16719	0.13				
15623	ENSG00000254670	16721	0.13				
15626	ENSG00000242495	16726	0.13				
15627	ENSG00000258341	16729	0.13				
15632	ENSG00000275995	16734	0.13				
15635	ENSG00000285011	16735	0.13				
15646	ENSG00000218018	16745	0.13				
15683	ENSG00000236676	16774	0.13				
15689	ENSG00000286964	16776	0.13				
15694	ENSG00000271314	16780	0.13				
15697	ENSG00000231480	16781	0.13				
15699	ENSG00000213963	16782	0.13				
15702	ENSG00000287172	16784	0.13				
15712	ENSG00000258234	16791	0.13				
15714	ENSG00000286907	16794	0.13				
15720	ENSG00000286357	16798	0.13				
15723	ENSG00000234041	16799	0.13				
15724	ENSG00000225235	16799	0.13				
15730	ENSG00000280166	16803	0.13				
15739	ENSG00000230747	16808	0.13				
15743	ENSG00000285835	16810	0.13				
15750	ENSG00000254768	16815	0.13				
15751	ENSG00000280187	16815	0.13				
15752	ENSG00000280037	16817	0.13				
15756	ENSG00000220900	16823	0.13				
15762	ENSG00000254269	16827	0.13				
15763	ENSG00000251708	16827	0.13				
15770	ENSG00000258623	16832	0.13				
15773	ENSG00000230001	16835	0.13				
15774	ENSG00000212967	16835	0.13	8	95558771	95560630	HCC209141, PRO2397, Uncharacterized protein
15776	ENSG00000248510	16837	0.13				

16785	ENSG00000234977		16849.2	0.13				
16786	ENSG00000231088		16851.1	0.13	15	83209620	83231124	Uncharacterized protein
16793	ENSG00000255449		16855.3	0.13				
16799	ENSG00000208126		16860.9	0.13				
16804	ENSG00000249169		16866.7	0.13				
16815	ENSG00000236361		16875.1	0.13				
16823	ENSG00000287890		16881.6	0.13				
16826	ENSG00000295227		16884.4	0.13				
16828	ENSG00000257175		16886.1	0.13				
16833	ENSG00000253344		16890.1	0.13				
16835	ENSG00000244338		16894.6	0.13				
16840	ENSG00000249699		16891.4	0.13				
16841	ENSG00000251816		16893.1	0.13				
16844	ENSG00000222042		16894	0.13				
16845	ENSG00000239289		16904.3	0.13				
16848	ENSG00000239883		16905.1	0.13				
16855	ENSG00000185040		16909.7	0.13				
16857	ENSG00000295250		16912	0.13				
16858	ENSG00000287759		16912.3	0.13				
16859	ENSG00000206123		16912.6	0.13				
16864	ENSG00000231728		16916.4	0.13				
16865	ENSG00000272130		16916.4	0.13				
16867	ENSG00000257175		16917.8	0.13				
16871	ENSG00000255566		16922.8	0.13				
16874	ENSG00000283571		16923.4	0.13				
16877	ENSG00000259211		16926.1	0.13				
16887	ENSG00000259923		16934.4	0.13				
16888	ENSG00000271111		16938.3	0.13				
16893	ENSG00000251169		16938.7	0.13				
16901	ENSG00000254569		16946.1	0.13				
16917	ENSG00000286387		16953.3	0.13				
16918	ENSG00000257754		16953.7	0.13				
16922	ENSG00000231413		16957	0.13				
16924	ENSG00000234283		16959.2	0.13				
16928	ENSG00000233925		16960.6	0.13				
16932	ENSG00000233889		16964.3	0.13				
16939	ENSG00000273009		16971.9	0.13				
16940	ENSG00000286990		16973.4	0.13				
16948	ENSG00000289831		16981	0.13				
16952	ENSG00000257976		16984.9	0.13				
16959	ENSG00000238001		16988.5	0.13				
16965	ENSG00000232443		16991.7	0.13				
16967	ENSG00000289537	3	16993.5	0.13	48927699	48930171	Uncharacterized protein	
16968	ENSG00000259876		16994.8	0.13				
16971	ENSG00000266640		16998	0.13				
16973	ENSG00000257762		16999	0.13				
16976	ENSG00000252189		17003.4	0.13	10	88505597	88505706	Small nuclear RNA U13
16977	ENSG00000286581		17003.6	0.13				
16979	ENSG00000281100		17004.0	0.13				
16982	ENSG00000249167		17005.8	0.13				
16986	ENSG00000289536		17020.2	0.13				
16990	ENSG00000256258		17021.9	0.13				
16992	ENSG00000286971		17022.7	0.13				
16995	ENSG00000243901		17034.4	0.13				
16997	ENSG00000244443		17035.1	0.13				
16910	ENSG00000233390	ANTXR1L	17038.5	0.13	10	47657581	47701443	anthrax toxin receptor-like
16920	ENSG00000198290		17046.7	0.13				
16928	ENSG00000251628		17053.3	0.13				
16940	ENSG00000224338		17067.1	0.13				
16947	ENSG00000237381		17072.7	0.13				
16949	ENSG00000239427		17074.9	0.13				
16951	ENSG00000254101		17077.1	0.13				
16952	ENSG00000235493		17077.2	0.13				
16958	ENSG00000229427		17080.4	0.13				
16968	ENSG00000213158		17087.2	0.13				
16972	ENSG00000236915		17090.5	0.13				
16973	ENSG00000234345		17091.3	0.13				
16965	ENSG00000272071		17106.4	0.13				
16105	ENSG00000231826		17112.8	0.13				
16111	ENSG00000256669		17114.4	0.13				
16112	ENSG00000268499		17114.4	0.13				
16114	ENSG00000254563		17119.3	0.13				
16118	ENSG00000237863		17123.9	0.13				
16122	ENSG00000251032		17125.9	0.13				
16126	ENSG00000289148		17128.1	0.13				
16127	ENSG00000231128		17128.1	0.13				
16134	ENSG00000228751		17131.5	0.13				
16137	ENSG00000259819		17134.2	0.13				
16148	ENSG00000259870		17139	0.13				
16149	ENSG00000231402		17143.2	0.13				
16152	ENSG00000287506		17144.7	0.13				
16158	ENSG00000232448		17147	0.13				
16165	ENSG00000280207		17149.3	0.13				
16168	ENSG00000250842		17153.2	0.13	9	4899120	4899280	HCG2011465; Uncharacterized protein
16168	ENSG00000208625		17154.2	0.13				
16175	ENSG00000271325		17156.6	0.13				
16178	ENSG00000271414		17160.2	0.13				
16181	ENSG00000231892		17169	0.13				
16184	ENSG00000261516		17166.1	0.13				
16188	ENSG00000283870		17166.3	0.13				
16194	ENSG00000264231		17172.1	0.13				
16202	ENSG00000254315		17174.4	0.13	14	102825136	102825239	Small nuclear RNA U13
16203	ENSG00000289846		17179.3	0.13				
16209	ENSG00000234174		17182.4	0.13				
16217	ENSG00000248216		17190.3	0.13				
16220	ENSG00000289499		17195.2	0.13				
16228	ENSG00000289564		17202.6	0.13				
16230	ENSG00000221693		17203.6	0.13				
16231	ENSG00000257180		17205.7	0.13				
16249	ENSG00000217438		17218.4	0.13				
16251	ENSG00000251294		17218.7	0.13				
16296	ENSG00000298471		17221.1	0.13				
16299	ENSG00000230390		17222.3	0.13				
16260	ENSG00000255107		17223	0.13				
16268	ENSG00000284212		17225.6	0.13				
16273	ENSG00000281472		17226.7	0.13				
16276	ENSG00000236226		17228.2	0.13				
16293	ENSG00000294997		17240.3	0.13				
16298	ENSG00000237138		17244.3	0.13				
16299	ENSG00000248238		17244.5	0.13				
16300	ENSG00000273100		17245.7	0.13				
16313	ENSG00000252950		17251.5	0.13				
16323	ENSG00000244800		17259.8	0.13				
16324	ENSG00000258794		17260.7	0.13				
16330	ENSG00000230431		17265.7	0.13				
16331	ENSG00000237899		17265.7	0.13				
16340	ENSG00000233332		17280	0.13				
16341	ENSG00000232483		17280.3	0.13				
16345	ENSG00000254333		17283.3	0.13				
16353	ENSG00000231838		17287.4	0.13				
16354	ENSG00000251533		17287.8	0.13				
16358	ENSG00000287845		17289	0.13	9	139219089	139219640	HCG2022384; Putative uncharacterized protein DKF2p434A082; Uncharacterized protein
16360	ENSG00000231395		17290.8	0.13				
16370	ENSG00000285144		17298.7	0.13				
16372	ENSG00000295490		17301.6	0.13				
16381	ENSG00000238459		17310	0.13	7	98482613	98482713	Small nuclear RNA U13
16392	ENSG00000289422		17316.5	0.13				
16393	ENSG00000289793		17317.9	0.13				
16394	ENSG00000236061		17317.9	0.13				
16400	ENSG00000212896		17320.6	0.13				
16408	ENSG00000280409		17327.5	0.13				
16434	ENSG00000281248		17348.1	0.13				
16436	ENSG00000237174		17349.4	0.13				
16443	ENSG00000229119		17354	0.13				
16444	ENSG00000289848		17354.7	0.13				
16445	ENSG00000242499		17356.1	0.13				
16449	ENSG00000254990		17361.2	0.13				
16450	ENSG00000214369		17361.7	0.13				
16458	ENSG00000235342		17366.6	0.13				
16462	ENSG00000252929		17368.9	0.13				
16467	ENSG00000256011		17372.6	0.13				
16473	ENSG00000233734		17378.6	0.13				
16475	ENSG00000231363		17380.2	0.13				
16476	ENSG00000258729		17381.6	0.13				
16477	ENSG00000239951		17381.7	0.13				
16478	ENSG00000232115		17383.2	0.13				
16492	ENSG000002081037		17392.1	0.13				
16497	ENSG00000231762		17396.3	0.13				
16498	ENSG00000240335		17397	0.13				
16516	ENSG00000250378		17407.8	0.13				

16527	ENSG00000285679		17419.5	0.13					
16528	ENSG00000285680		17419.7	0.13					
16541	ENSG00000287095		17427.9	0.13					
16544	ENSG00000288012		17430.2	0.13	5	78523714	78523911		Uncharacterized protein
16548	ENSG00000285002		17432.4	0.13					
16568	ENSG00000286308		17444.2	0.13					
16571	ENSG00000285909		17448	0.13					
16572	ENSG00000185663		17448.5	0.13	19	36208921	36229779		lysine (K)-specific methyltransferase 2B
16577	ENSG00000285983		17453.1	0.13					
16581	ENSG00000284844		17455.9	0.13					
16591	ENSG00000286148		17474.9	0.13					
16596	ENSG00000283734		17475.1	0.13					
16609	ENSG00000286206		17488.3	0.13					
16615	ENSG00000249237		17490.2	0.13					
16623	ENSG00000284453		17492.1	0.13					
16625	ENSG00000257228		17494.1	0.13					
16627	ENSG00000282971		17495.4	0.13					
16628	ENSG00000225761		17497.5	0.13					
16634	ENSG00000282696		17503.5	0.13					
16635	ENSG00000270986		17503.6	0.13					
16644	ENSG00000211401		17511.2	0.13					
16645	ENSG00000280714		17514.1	0.13					
16654	ENSG00000254499		17523	0.13					
16656	ENSG00000280793		17524.1	0.13					
16665	ENSG00000253445		17532.1	0.13					
16667	ENSG00000250267		17532.9	0.13					
16670	ENSG00000280163		17533.6	0.13					
16685	ENSG00000251648		17548.7	0.13					
16686	ENSG00000282308		17550.5	0.13					
16690	ENSG00000286603		17551.8	0.13					
16697	ENSG00000258723		17557.1	0.13					
16700	ENSG00000233562		17558.9	0.13					
16703	ENSG00000283378		17564.8	0.13					
16704	ENSG00000254553		17565	0.13					
16705	ENSG00000241057		17565.6	0.13					
16710	ENSG00000280587		17571.1	0.13					
16713	ENSG00000256888		17573.8	0.13					
16714	ENSG00000289882		17574	0.13					
16715	ENSG00000287619		17575.1	0.13					
16719	ENSG00000283674		17576.2	0.13					
16720	ENSG00000225385		17576.6	0.13					
16723	ENSG00000280588		17577	0.13					
16724	ENSG00000280337		17577.9	0.13					
16733	ENSG00000230914		17586.6	0.13					
16737	ENSG00000280480		17586.7	0.13					
16740	ENSG00000250500		17586.7	0.13					
16745	ENSG00000258896		17588.1	0.13					
16750	ENSG00000285450		17589.6	0.13					
16764	ENSG00000285273		17599.6	0.13					
16774	ENSG00000287230		17623.4	0.13					
16775	ENSG00000232073		17624.1	0.13					
16777	ENSG00000176265		17625.4	0.13					
16789	ENSG00000280599		17633.6	0.13					
16792	ENSG00000238480		17636.1	0.13					
16793	ENSG00000248379		17637.6	0.13					
16798	ENSG00000280796		17643.7	0.13					
16802	ENSG00000289785		17644.3	0.13					
16808	ENSG00000271457		17649	0.13					
16837	ENSG00000258788		17671.7	0.13					
16847	ENSG00000280876		17677.1	0.13					
16860	ENSG00000282456		17683.5	0.13					
16863	ENSG00000288046		17683.3	0.13	18	8338437	8337038		Uncharacterized protein
16866	ENSG00000254035		17682	0.13					
16891	ENSG00000285417		17702.2	0.13					
16865	ENSG00000234148		17702.3	0.13					
16900	ENSG00000289486		17706	0.13					
16913	ENSG00000280693		17711.7	0.13					
16918	ENSG00000283342		17716.1	0.13					
16920	ENSG00000282677		17718.6	0.13					
16925	ENSG00000285913		17725.3	0.13					
16949	ENSG00000230762		17737.6	0.13					
16950	ENSG00000232324		17738.9	0.13					
16952	ENSG00000280515		17743.5	0.13					
16964	ENSG00000254095		17748.2	0.13					
16977	ENSG00000284100		17754	0.13					
16979	ENSG00000285667		17755.5	0.13					
17008	ENSG00000231827		17785.9	0.13					
17008	ENSG00000233833		17786.2	0.13					
17015	ENSG00000228967		17790.8	0.13					
17023	ENSG00000211338		17796.5	0.13					
17029	ENSG00000281570		17800.7	0.13					
17033	ENSG00000232689		17808.8	0.13					
17038	ENSG00000270171		17806.7	0.13					
17042	ENSG00000230102		17808.3	0.13					
17054	ENSG00000280209		17819.5	0.13					
17065	ENSG00000211663		17827.5	0.13					
17075	ENSG00000255311		17833.7	0.13					
17078	ENSG00000253343		17836.6	0.13					
17081	ENSG00000250268		17838.1	0.13					
17088	ENSG00000258376		17840.9	0.13					
17091	ENSG00000284070		17849.5	0.13					
17100	ENSG00000284834		17851.2	0.13					
17109	ENSG00000282703		17856.9	0.13					
17126	ENSG00000235100		17867.9	0.13					
17138	ENSG00000280156		17875.1	0.13					
17154	ENSG00000228952		17893.4	0.13					
17160	ENSG00000234442		17897.4	0.13					
17162	ENSG00000280910		17897.9	0.13					
17181	ENSG00000253973		17908.5	0.13					
17183	ENSG00000236024		17909.1	0.13					
17207	ENSG00000233333		17923.1	0.13	1	23558230	23558098		TBC1 antisense RNA 1
17214	ENSG00000231227		17929.1	0.13					
17242	ENSG00000238448		17945.7	0.13					
17257	ENSG00000270688		17955	0.13					
17260	ENSG00000225762		17958	0.13					
17263	ENSG00000280261		17959.4	0.13					
17274	ENSG00000232745		17971.7	0.13					
17283	ENSG00000248293		17975.6	0.13					
17295	ENSG00000282107		17986.9	0.13					
17303	ENSG00000245653		17991	0.13					
17304	ENSG00000258115		17991.4	0.13					
17340	ENSG00000232708		18019.2	0.13					
17341	ENSG00000281633		18020.3	0.13					
17361	ENSG00000234471		18036.2	0.13					
17364	ENSG00000271763		18036.9	0.13					
17388	ENSG00000232102		18047.7	0.13					
17396	ENSG00000251365		18055	0.13					
17405	ENSG00000214432		18061.1	0.13					
17483	ENSG00000271757		18122.1	0.13					
17495	ENSG00000248950		18129.2	0.13					
17497	ENSG00000280913		18131.9	0.13					
17501	ENSG00000231789		18135.4	0.13					
17503	ENSG00000270549		18136.9	0.13					
17516	ENSG00000258317		18144.7	0.13					
17532	ENSG00000270888		18157.1	0.13					
17539	ENSG00000234884		18162.1	0.13					
17545	ENSG00000287150		18166.2	0.13					
17557	ENSG00000286327		18174.6	0.13					
17591	ENSG00000282529		18193	0.13					
17633	ENSG00000286940		18221.6	0.13					
17641	ENSG00000286277		18232.2	0.13					
17685	ENSG00000241818		18246.4	0.13					
17691	ENSG00000258285		18249	0.13					
18010	ENSG00000272374		18501.6	0.13					
18181	ENSG00000228978		18620.3	0.13					
30291	ENSG00000230257		6119.3	0.12	antisense	7	10281369	10282903	nuclear factor, erythroid 4
5544	ENSG00000203497		8278.6	0.12	antisense	10	11262926	112631991	PCDD4 antisense RNA 1
8499	ENSG00000217286	TTN-AS1	11136.3	0.12	antisense	2	179385910	179386422	TTN antisense RNA 1
9556	ENSG00000231233	CCDC147-AS1	12307.2	0.12	antisense	10	106113489	106113333	CCDC147 antisense RNA 1 (head to head)
19315	ENSG00000286334	PRR7-AS1	15412.4	0.12	antisense	5	178885504	178884730	PRR7 antisense RNA 1
14172	ENSG00000233338	ILF3-AS1	15597.4	0.12	antisense	X	12502935	12502935	ILF3 antisense RNA 1
14798	ENSG00000237351		16080.6	0.12	antisense	X	123006476	123007782	XIAP antisense RNA 1
14978	ENSG00000231854	RPS8KAZ-AS1	16230.9	0.12	antisense	8	167317186	167318223	RPS8KAZ antisense RNA 1
15216	ENSG00000241766	LINC00063	16241.1	0.12	antisense	X	148629150	148622034	long intergenic non-protein coding RNA 803
15700	ENSG00000231228		16782.4	0.12	antisense	6	30073017	30082501	TRIM31 antisense RNA 1
16388	ENSG00000248492	ZFAT1-AS1	17297.4	0.12	antisense	8	135610314	135612932	ZFAT1 antisense RNA 1
16409	ENSG00000210913	TPT1-AS1	17310.3	0.12	antisense	13	45915480	45916272	TPT1 antisense RNA 1
16533	ENSG00000232287	SLC6A1-AS1	17421.5	0.12	antisense	3	110447784	11060910	SLC6A1 antisense RNA 1
16995	ENSG00000230550		17472.3	0.12	antisense	6			

17246	ENSG00000203601	LOC101930564	17347	0.12	antisense	1	16897343	16956243	long intergenic non-protein coding RNA 970
17252	ENSG000001728	DLGAP1-AS3	17351	0.12	antisense	18	387181	387439	DLGAP1 antisense RNA 3
17271	ENSG00000203452	ACO9262.1	17368	0.12	antisense	7	13637036	13686654	head-iin-490
17300	ENSG00000248309	MEF2C-AS1	18009	0.12	antisense	5	88179145	88726215	MZF2C antisense RNA 1
17408	ENSG00000203009	NALCN-AS1	18681	0.12	antisense	13	10136078	10171638	NALCN antisense RNA 1
17732	ENSG00000203556	OSGEYL1-AS1	18333	0.12	antisense	2	19065432	19063392	OSGEYL1 antisense RNA 1
17757	ENSG00000204821	COL4A2-AS2	18330	0.12	antisense	13	111108743	111115634	COL4A2 antisense RNA 2
18079	ENSG00000207596	SNAP25-AS1	18657	0.12	antisense	20	16426260	16434324	SNAP25 antisense RNA 1
18118	ENSG00000205424	MCM2AP-AS1	18590	0.12	antisense	21	47691931	47697934	MCM2AP antisense RNA 1
18180	ENSG00000203183		18656	0.12	antisense	30	19185826	19190886	FGF12 antisense RNA 1
18286	ENSG00000205680	TIEM6B-AS1	18721	0.12	antisense	11	8986222	8989074	TIEM6B antisense RNA 1
18361	ENSG00000209917	PRICKLE4-AS3	18915	0.12	antisense	11	84172050	84186641	PRICKLE4 antisense RNA 3
18563	ENSG00000204865	KCNCA4-AS1	18915	0.12	antisense	1	110751456	110752609	KCNCA4 antisense RNA 1 (head to head)
18760	ENSG000002030107	CACNA1G-AS1	19065	0.12	antisense	17	48633568	48633869	CACNA1G antisense RNA 1
19258	ENSG000002028127		17232	0.12	IG V _H gene	22	32595996	32596012	immunoglobulin heavy variable 20-26
2377	ENSG000002028325		3724	0.12	IG V _H gene	2	90537639	90538397	Uncharacterized protein
10122	ENSG00000111623		14807	0.12	IG V _H gene	2	80024732	80025512	immunoglobulin kappa variable 20-26
9007	ENSG00000201299		7963	0.12	IG V _H gene	15	22460058	22466493	immunoglobulin heavy variable 1R15.1 (pseudogene)
8166	ENSG00000206920	LINC00528	8944	0.12	lincRNA	22	18200088	18262247	long intergenic non-protein coding RNA 528
14889	ENSG00000205319		15922	0.12	lincRNA	8	123652624	123706345	long intergenic non-protein coding RNA 1151
16215	ENSG00000202955	LINC00058	17137	0.12	lincRNA	20	24517451	24517400	long intergenic non-protein coding RNA 658
16263	ENSG000002058107	LINC00811	17219	0.12	lincRNA	14	85860223	85868418	long intergenic non-protein coding RNA 911
16278	ENSG000002053143		17229	0.12	lincRNA	8	71383347	71392358	Metaxoon signal recognition particle RNA
16386	ENSG00000170138	LINC00070	17288	0.12	lincRNA	17	12453098	12454871	long intergenic non-protein coding RNA 670
16641	ENSG000002023631		17509	0.12	lincRNA	2	132180474	132186622	Metaxoon signal recognition particle RNA 1120
16698	ENSG000002023634	LINC00049	17526	0.12	lincRNA	21	43118880	43135355	long intergenic non-protein coding RNA 479
16920	ENSG00000202445		17553	0.12	lincRNA	7	158902614	158903194	Orwell LOC100906429
17272	ENSG000002023978		17868	0.12	lincRNA	17	1757340	17581002	Smith-Magenis syndrome chromosome region, candidate 2 (non-protein coding)
17546	ENSG000002027057		18166	0.12	lincRNA	11	84245747	84265289	long intergenic non-protein coding RNA 1171
17737	ENSG00000201300	LINC00923	18208	0.12	lincRNA	18	86226165	86226165	long intergenic non-protein coding RNA 923
17799	ENSG000002023821		18352	0.12	lincRNA	13	44118054	44122192	ENOX1 antisense RNA 1
18044	ENSG000002028846	LINC00348	18531	0.12	lincRNA	13	11589273	11742549	long intergenic non-protein coding RNA 348
18028	ENSG00000201883		18537	0.12	lincRNA	17	8772174	8772174	Uncharacterized protein, clone BT144.027227
18657	ENSG000002037119	LINC01056	18986	0.12	lincRNA	20	6166593	61665215	long intergenic non-protein coding RNA 1058
18900	ENSG000002008143	MIR4313	19179	0.12	miRNA	15	76051842	76054746	miR4313
12048	ENSG00000201333	MIR5246	19218	0.12	miRNA	13	701111	701116	miR5246
14799	ENSG000002007720	MIR555	19232	0.12	miRNA	1	1553191	15531936	miR555
15639	ENSG000002068768	MIR4506	18739	0.12	miRNA	14	94414572	94414648	miR4506
16284	ENSG00000203989	MIR5000	17233	0.12	miRNA	2	7517038	7518341	miR5000
16757	ENSG00000204831	MIR4280	17610	0.12	miRNA	1	209796789	209796855	miR4280
16819	ENSG00000206203	MIR5585	17854	0.12	miRNA	1	32552550	32552608	miR5585
16848	ENSG00000201058	MIR1286	18007	0.12	miRNA	22	20237734	20237734	miR1286
17083	ENSG00000210951	MIR320C2	17838	0.12	miRNA	18	21901690	21901699	miR320c2
17298	ENSG00000219552	MIR92	17859	0.12	miRNA	1	18612380	186124035	miR92
17325	ENSG00000206480	MIR1248	18028	0.12	miRNA	2	6933814	6933867	miR1248
17461	ENSG00000205514	MIR548M	18707	0.12	miRNA	2	16645135	16645135	miR548M
17651	ENSG00000206234	MIR4663	18236	0.12	miRNA	8	12422828	124228103	miR4663
6607	ENSG000002026490		8467	0.12	misc. RNA	6	10862022	10862134	Y RNA
9814	ENSG00000202014		12045	0.12	misc. RNA	19	47239669	47239669	Y RNA
11249	ENSG000002029373		13344	0.12	misc. RNA	1	171461550	171461858	RNA 75L, cytoplasmic 425, pseudogene
12144	ENSG000002020978		14089	0.12	misc. RNA	22	3017447	3017448	Y RNA
11916	ENSG00000204847		14497	0.12	misc. RNA	4	69747177	69747174	RNA 75L, cytoplasmic 220, pseudogene
13749	ENSG000002043005		15248	0.12	misc. RNA	4	2454818	2455004	RNA 75L, cytoplasmic 16, pseudogene
13816	ENSG00000202459		15332	0.12	misc. RNA	14	103181725	103181832	Y RNA
14278	ENSG00000198890		15653	0.12	misc. RNA	11	11189420	11189830	Y RNA
15288	ENSG00000201432		16487	0.12	misc. RNA	7	3637276	3637387	Y RNA
15376	ENSG000002028946		16530	0.12	misc. RNA	4	6708917	6708929	Y RNA
15471	ENSG000002028400		16533	0.12	misc. RNA	10	3566187	3566187	RNA 75L, cytoplasmic 481, pseudogene
15658	ENSG000002025211		16751	0.12	misc. RNA	8	47683019	4768337	RNA 75L small nuclear pseudogene 116
15716	ENSG00000204199		16796	0.12	misc. RNA	16	75732431	75732728	RNA 75L, cytoplasmic 520, pseudogene
15831	ENSG00000204500		16858	0.12	misc. RNA	16	236581	236581	RNA 75L, cytoplasmic 27
15900	ENSG00000198444		16848	0.12	misc. RNA	19	21918900	21918900	Y RNA
16377	ENSG00000204339		17306	0.12	misc. RNA	3	18612672	18612777	RNA 75L, cytoplasmic 738, pseudogene
16598	ENSG00000200444		17634	0.12	misc. RNA	7	8042041	8042041	Y RNA
16844	ENSG000002041032		17875	0.12	misc. RNA	8	37766259	37766553	RNA 75L, cytoplasmic 709, pseudogene
17044	ENSG000002027450		17809	0.12	misc. RNA	8	48717640	48717740	Y RNA
17096	ENSG00000201152		17829	0.12	misc. RNA	12	2795825	2795825	RNA 75L, nuclear pseudogene 15
17237	ENSG000002068075		17849	0.12	misc. RNA	1	3699379	3699379	RNA 75L, cytoplasmic 574, pseudogene
17251	ENSG000002041391		17950	0.12	misc. RNA	6	14961248	14961278	RNA 75L, cytoplasmic 234, pseudogene
17378	ENSG00000201668		18028	0.12	misc. RNA	12	69811628	69811628	RNA 75L, cytoplasmic 816, pseudogene
17439	ENSG000002072232		18097	0.12	misc. RNA	9	73184087	73184377	Metaxoon signal recognition particle RNA
17580	ENSG000002029558		18135	0.12	misc. RNA	2	62448524	62448806	RNA 75L, cytoplasmic 51, pseudogene
17622	ENSG00000202335		18232	0.12	misc. RNA	14	23321625	23321625	Y RNA
17666	ENSG000002053075	NRON	18194	0.12	misc. RNA	9	12917020	12917089	non-protein coding RNA, repressor of NFAT
17687	ENSG000002041248		18219	0.12	misc. RNA	9	12789438	12789735	RNA 75L, cytoplasmic 302, pseudogene
17806	ENSG00000203358		18285	0.12	misc. RNA	11	1155835	1155835	RNA 75L, cytoplasmic 815, pseudogene
17871	ENSG000002041291		18298	0.12	misc. RNA	5	14603586	14603586	RNA 75L, cytoplasmic 791, pseudogene
18286	ENSG000002042827		18720	0.12	misc. RNA	1	10878893	10877170	RNA 75L, cytoplasmic 814, pseudogene
18411	ENSG00000201688		18862	0.12	processed pseudogene	12	11088212	11088212	ribosomal protein L13 pseudogene 49
4828	ENSG000002025558		7588	0.12	processed pseudogene	3	37176149	37176593	ubiquitin-conjugating enzyme E2D 3 pseudogene 2
4671	ENSG000002025674		8459	0.12	processed pseudogene	1	235901305	235902289	lactate dehydrogenase A pseudogene 2
7920	ENSG000002025551		12028	0.12	processed pseudogene	8	12066258	12066258	superoxide dismutase 1, soluble pseudogene 3
10357	ENSG00000113700		12613	0.12	processed pseudogene	10	74765591	74766153	ribosomal protein L17 pseudogene 50
11167	ENSG000002023416		13273	0.12	processed pseudogene	1	58521805	58522152	ribosomal protein S26 pseudogene 15
12007	ENSG00000204479		14474	0.12	processed pseudogene	15	76526674	76526908	heterogeneous nuclear ribonucleoprotein C pseudogene 3
13784	ENSG000002017371		15311	0.12	processed pseudogene	8	3023174	3023209	HRV 1, 1B specific factor 1 pseudogene 2
14227	ENSG000002021390		15648	0.12	processed pseudogene	20	18623428	18624728	double homeobox A pseudogene 7
14238	ENSG00000201514		15676	0.12	processed pseudogene	17	2877267	2877305	family with sequence similarity 58, member C, pseudogene
14384	ENSG00000204576		15777	0.12	processed pseudogene	18	14823813	14823813	protein tyrosine phosphatase 1
14873	ENSG000002027889		16142	0.12	processed pseudogene	17	18438871	18438775	signal recognition particle 68Da pseudogene 2
15062	ENSG000002026991		16214	0.12	processed pseudogene	9	3396896	3396896	digoxinacetyltransferase subunit pseudogene 8
15100	ENSG000002041415	MIR622	16220	0.12	processed pseudogene	2	89882636	89882636	miR622
15114	ENSG000002027336		16338	0.12	processed pseudogene	12	69551157	69551157	PREDLI domain containing 2 pseudogene 1
15245	ENSG000002028700		16497	0.12	processed pseudogene	3	32071898	32072170	ribosomal protein L17 pseudogene 49
15415	ENSG000002021128		16524	0.12	processed pseudogene	3	2385703	2385703	tumor protein, transcriptionally controlled 1 pseudogene 7
15460	ENSG000002013598		16536	0.12	processed pseudogene	2	18282539	18282705	keratin 19 pseudogene 29
15562	ENSG000002018984		16677	0.12	processed pseudogene	6	11354388		

17250	ENSG00000236062	17849	0.12	processed_pseudogene	3	12299000	12299959	glutathione S-transferase mu 5 pseudogene 1	
17256	ENSG00000232228	17853	0.12	processed_pseudogene	8	7353287	7353287	HAUS1 auxiliary complex subunit 1 pseudogene 3	
17256	ENSG00000211688	17855	0.12	processed_pseudogene	3	168576447	168576918	ribosomal protein L21 pseudogene 43	
17265	ENSG00000212326	17875	0.12	processed_pseudogene	15	41052795	41053072	SUMO2 pseudogene 15	
17265	ENSG00000202465	17882	0.12	processed_pseudogene	12	11768266	11768369	transcription elongation factor 8 (SII), polypeptide 1 pseudogene 32	
17302	ENSG00000213253	17963	0.12	processed_pseudogene	9	51327176	51327176	ribosomal protein L7a.1 pseudogene 2	
17305	ENSG00000249987	17992	0.12	processed_pseudogene	19	34513561	34513561	ribosomal protein S4X pseudogene 20	
17366	ENSG00000234443	18037	0.12	processed_pseudogene	3	155027216	155027216	poly(A) binding protein, cytoplasmic 1 pseudogene 10	
17366	ENSG00000202829	18038	0.12	processed_pseudogene	19	32709431	32709431	SCAM domain containing 3 pseudogene 14	
17385	ENSG00000219771	18045	0.12	processed_pseudogene	4	46039225	46039225	letratropeptide repeat domain 4 pseudogene 1	
17434	ENSG00000251008	18089	0.12	processed_pseudogene	4	18192507	18192511	oral cancer overexpressed 1 pseudogene 1	
17508	ENSG00000255070	18161	0.12	processed_pseudogene	17	6225723	6225723	basic transcription factor 3 pseudogene 14	
17567	ENSG00000224452	18190	0.12	processed_pseudogene	20	30758193	30758193	cysteine-rich protein-like B pseudogene 3	
17628	ENSG00000202108	18219	0.12	processed_pseudogene	1	45624200	45624200	ribosomal L24 domain containing 1 pseudogene 6	
17657	ENSG00000202102	18245	0.12	processed_pseudogene	13	24340073	24340243	Y box binding protein 1 pseudogene 8	
17660	ENSG00000242598	18248	0.12	processed_pseudogene	1	82022806	82022317	MT-CCO pseudogene 2	
17668	ENSG00000180150	18334	0.12	processed_pseudogene	22	4418424	44186652	mediator complex subunit 28 pseudogene 8	
17775	ENSG00000228810	18339	0.12	processed_pseudogene	9	17589159	17589159	high mobility group nucleosomal binding domain 2 pseudogene 9	
17796	ENSG00000225239	18350	0.12	processed_pseudogene	13	114145021	114145480	poly(A) binding protein, cytoplasmic 1 pseudogene 11	
17817	ENSG00000210419	18363	0.12	processed_pseudogene	10	212102538	212102538	ribosomal protein L21 pseudogene 107	
17828	ENSG00000220371	18372	0.12	processed_pseudogene	13	113784730	113786366	keratin 18 pseudogene 12	
18094	ENSG00000215223	18569	0.12	processed_pseudogene	6	148799229	148801899	lysyl-tRNA synthetase pseudogene 2	
18128	ENSG00000208495	18597	0.12	processed_pseudogene	1	45453277	45457508	cytochrome P450, family 51, subfamily A, polypeptide 1 pseudogene 3	
18172	ENSG00000226411	18639	0.12	processed_pseudogene	3	37831412	37831936	mitochondrial ribosomal protein S17 pseudogene 1	
18187	ENSG00000211442	18655	0.12	processed_pseudogene	4	84215832	84217190	NADH dehydrogenase (ubiquinone) complex I, assembly factor 4 pseudogene 3	
18188	ENSG00000210899	18656	0.12	processed_pseudogene	1	4421265	4421265	La ribonucleoprotein domain family, member 18 pseudogene 1	
18341	ENSG00000214988	18758	0.12	processed_pseudogene	4	8341978	83412788	ribosomal protein L7a pseudogene 26	
18348	ENSG00000202306	18826	0.12	processed_pseudogene	9	94789780	94790100	heat shock 10kDa protein 1 pseudogene 20	
18350	ENSG00000202829	18835	0.12	processed_pseudogene	15	4421265	4421265	ribosomal protein L16 pseudogene 1	
18574	ENSG00000228655	18925	0.12	processed_pseudogene	9	37879113	37879490	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinoyltransferase and synthetase subunit 1	
18722	ENSG00000243838	19033	0.12	processed_pseudogene	3	181048712	181048028	proteasease (prosome, megarin) 26S subunit, ATPase, 1 pseudogene 7	
18887	ENSG00000211313	19165	0.12	processed_pseudogene	6	126579067	126579051	protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 5	
14444	ENSG00000187117	LINC00483	15813	0.12	processed_transcript	17	48838390	48844918	long intergenic non-protein coding RNA 483
69988	ENSG00000181861	FRS1	23487	0.12	processed_transcript	17	23487101	23487101	CCN1 antisense RNA 1
17494	ENSG00000175417	TMEM451-AS1	18128	0.12	processed_transcript	1	15424480	15478960	TMEM451 antisense RNA 1
19304	ENSG00000208126	RBFADN	18492	0.12	processed_transcript	18	77869600	77863362	RBF family domain-anchored (non-protein coding)
2237	ENSG00000195895	MRNIP	8213	0.12	protein_coding	16	16091489	16091489	inhibitor 2
2871	ENSG00000134028	ADAMDEC1	4129	0.12	protein_coding	8	24241798	24263526	ADAM-like, decayin 1
2973	ENSG00000132485	IGJ	4628	0.12	protein_coding	4	7152258	71874374	immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides
3208	ENSG00000189992	PCOLCE1	5082	0.12	protein_coding	12	11747828	11757294	pediculoglycanin protein 1
3238	ENSG00000189992	TESC	5082	0.12	protein_coding	12	11747828	11757294	foscatin
3284	ENSG00000188781	BC2L15	5151	0.12	protein_coding	1	114420790	114430189	BC2L15
3338	ENSG00000195895	MIR59	8213	0.12	protein_coding	20	46032747	46032747	matrix metalloproteinase 9 (gelatinase B), SCD2 gelatinase, 52kDa type IV collagenase
3374	ENSG00000189886	MYO1A	5313	0.12	protein_coding	1	57442261	57442261	myosin IA
3437	ENSG00000162551	ALPL	5408	0.12	protein_coding	1	21835888	21804405	alkaline phosphatase, liver/bone/kidney
3455	ENSG00000123372	ALPL	5418	0.12	protein_coding	1	22626299	22668110	complement component 1, D subcomponent, A chain
3657	ENSG00000192444	KRT23	5718	0.12	protein_coding	17	39019848	39019848	keratin 23 (epidermal desmosome inducible)
3791	ENSG00000183019	C1orf89	5263	0.12	protein_coding	19	774514	7744712	chromosome 19 open reading frame 59
3934	ENSG00000183687	SLC1A2	6545	0.12	protein_coding	9	119913222	11992641	solute carrier family 1 (copper transporter), member 2
3986	ENSG00000198164	S100A4	6203	0.12	protein_coding	9	13301689	13302612	S100 calcium binding protein A4
4019	ENSG00000104903	LVL1	6281	0.12	protein_coding	19	12309847	12313975	lymphoblastic leukemia derived sequence 1
4186	ENSG00000198734	FB	6530	0.12	protein_coding	1	189483404	189559226	coagulation factor V (prothrombin, soluble factor)
4213	ENSG0000017296	L1YB	6543	0.12	protein_coding	6	6586341	6586341	lymphocyte antigen 88
4234	ENSG00000172197	MEGAT1	6675	0.12	protein_coding	6	20120535	20212870	membrane bound O-acyltransferase domain containing 1
4376	ENSG00000189343	PRKX	6907	0.12	protein_coding	X	352241	3631849	protein kinase, X-linked
4376	ENSG00000189343	PRKX	6907	0.12	protein_coding	X	352241	3631849	frequently rearranged in advanced T-cell lymphomas 2
4461	ENSG00000198549	NME	6928	0.12	protein_coding	3	184741913	184741913	membrane metallo-endopeptidase
4468	ENSG00000198189	SEMA4	6934	0.12	protein_coding	1	156117157	156147543	sema domain, immunoglobulin domain (I), transmembrane domain (TM) and short cytoplasmic domain (semaphorin) 4A
4489	ENSG00000172081	MOBA	6957	0.12	protein_coding	2	2071037	2069672	MOB kinase activator 3A
4510	ENSG00000151226	ACSL1	6957	0.12	protein_coding	4	18567849	18574792	acyl-CoA synthetase long-chain family member 1
4710	ENSG00000193444	HLA-RS1	7320	0.12	protein_coding	1	32087016	32087016	major histocompatibility complex, class II, DOA type 1
4763	ENSG00000177674	AGTRAP	7307	0.12	protein_coding	1	1181641	11814859	angiotensin II receptor-associated protein
4820	ENSG00000088115	PRESN1	7412	0.12	protein_coding	14	73631326	73690399	presenilin 1
4904	ENSG00000192624	TRPA1	7603	0.12	protein_coding	20	18731643	18731643	transient receptor potential alpha 20
5066	ENSG00000152096	PIMZ	7707	0.12	protein_coding	9	48770459	48776301	signal-recognition protein alpha
5086	ENSG00000257207	7724	0.12	protein_coding	2	11140511	11123052	LIM and senescent cell antigen-like containing domain protein 3, Uncharacterized protein; cDNA FLJ39124, highly similar to Particularly interesting newCy-His protein; cDNA FLJ39124, highly similar to Particularly interesting newCy-His protein	
5078	ENSG00000147065	MSN	7741	0.12	protein_coding	X	64868257	64861791	mesen
5078	ENSG00000147065	MSN	7741	0.12	protein_coding	X	64868257	64861791	mesen
5192	ENSG00000209203	RNBP8	7807	0.12	protein_coding	15	1532023	1532023	ring binding protein 8
5197	ENSG00000209987	TNFSF12	7837	0.12	protein_coding	17	7452208	7448505	tumor necrosis factor (ligand) superfamily, member 12
5315	ENSG00000190304	PPM1F	8058	0.12	protein_coding	22	22273793	22287079	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1F
5351	ENSG00000154515	PPP1R1	8058	0.12	protein_coding	22	19328524	19328524	signal transducer and activator of transcription 1, 3/like6
5372	ENSG00000099331	MYO6B	8038	0.12	protein_coding	19	1718659	1718659	myosin IXB
5437	ENSG00000184400	NOTCH1	8176	0.12	protein_coding	9	13938896	13943316	notch 1
5437	ENSG00000184400	NOTCH1	8176	0.12	protein_coding	9	13938896	13943316	notch 1
5437	ENSG00000184400	NOTCH1	8176	0.12	protein_coding	9	13938896	13943316	notch 1
5493	ENSG00000145928	YTHDF2	8201	0.12	protein_coding	10	10180136	10180136	lysine 3-monoxygenase/lysine 5-monoxygenase activation protein, beta
5590	ENSG00000145928	YTHDF2	8201	0.12	protein_coding	10	10180136	10180136	lysine 3-monoxygenase/lysine 5-monoxygenase activation protein, beta
5608	ENSG00000191929	SCIMP	8354	0.12	protein_coding	15	5112256	5138185	shibby domain containing 2
5628	ENSG00000144688	CD38	8341	0.12	protein_coding	15	99630990	99745591	glycoprotein IIb/IIIa receptor containing 2
5629	ENSG00000157191	NECAP2	8387	0.12	protein_coding	1	16787187	16789753	NECAP endonuclease associated 2
5669	ENSG00000198888	CAZP2A	8412	0.12	protein_coding	7	118451124	118452103	cooper protein (actin filament) muscle 2, zinc, alpha 2
5769	ENSG00000197010	RHD	8534	0.12	protein_coding	1	25189888	25056938	RN blood group, D antigen
5787	ENSG00000183308	LINC0161	8525	0.12	protein_coding	12	25189888	25051268	lymphoblastoid membrane protein
5796	ENSG00000168876	ANKRD49	8565	0.12	protein_coding	11	84228795	84232749	ankyrin repeat domain 49
5815	ENSG00000191849	BTBD1X	8732	0.12	protein_coding	A	843135	84677780	transducin (beta-like) X-linked
5867	ENSG00000192321	STIM1	8739	0.12	protein_coding	A	3875737	41144297	stromal interaction molecule 1
5993	ENSG00000168219	BROX	8777	0.12	protein_coding	1	22288866	22289538	BRO1 domain and CAXX motif containing
6027	ENSG00000152520	PANK3	8875	0.12	protein_coding	13	68712549	68694975	PANK poly(A) specific ribonuclease subunit homolog 3 (cervicase)
6255	ENSG00000192444	CNRK2	8957	0.12	protein_coding	6	6980710	7087018	cyclin dependent kinase 2, CAXX kinase 2
6255	ENSG00000176871	KIAA0232	8957	0.12	protein_coding	4	6781032	6885897	KIAA0232
6258	ENSG00000195992	GPIIBPL1	9117	0.12	protein_coding	1	4602679	4615378	GC-rich promoter binding protein 1-like 1
6407	ENSG00000099310	STC1A1	9118	0.12	protein_coding	1	13481781	13484249	ST3 beta-galactosidase 3, alpha 2, sialyltransferase 1
6429	ENSG00000163406	SLC1A2	9512	0.12	protein_coding	3	12181298	12182949	solute carrier family 15 (glutamate transporter), member 2
6754	ENSG00000202828	SNX1	9533	0.12	protein_coding	15	64383322	64383289	sorting nexin 1
6886	ENSG00000190971	TRIP4	9602	0.12	protein_coding	1	6461782	6461782	thyroid hormone receptor interacting 4
6910	ENSG00000197601	FAR1	9679	0.12	protein_coding	11	13690217	13735893	fatty acyl CoA reductase 1
6918	ENSG00000134061	CD180	9687	0.12	protein_coding	5	66479103	66462027	CD180 molecule
6986	ENSG00000152351	RNF20A	9744	0.12	protein_coding	5	80947298	8706434	required for meiotic nuclear factor theta homolog A (S. cerevisiae)
6970	ENSG00000218545	RNF20A	9749	0.12	protein_coding	7	7680342	8043889	ribosomal RNA 1
7116	ENSG00000080503	SMARCA2	9876	0.12	protein_coding	9	2015342	2193624	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 2
7189	ENSG00000112701	SENP6	9934	0.12	protein_coding	6	7631225	7642789	SUMO1/semin specific peptidase 6
7197	ENSG00000138994	TMO3D	9939	0.12	protein_coding	15	52171825	52284952	tropomodulin 3 (ubiquitous)
7418	ENSG00000192317	ATP1B	10157	0.12	protein_coding	1	181736984	181833980	ATP-binding cassette, class 1, member 1B
7477	ENSG00000132358	RAP1GAP2	10229	0.12	protein_coding	7	2888350	2941033	RAP1 GTPase activating protein 2
7575	ENSG00000124406	ATP8A1	10231	0.12	protein_coding	4	4241090	42699122	ATPase, aminophospholipid transporter (APL), class I, type 8A, member 1
7697	ENSG000002024516	MICB	10483	0.12	protein_coding	6	3142858	3	

11532	ENSG00000197183	C20orf112	13606	5	0.12	protein_coding	20	10300862	31172876	chromosome 20 open reading frame 112
11644	ENSG0000017178	VPS33A	13629	9	0.12	protein_coding	12	12252811	12252868	vacuolar protein sorting 33 homolog A (S. cerevisiae)
11761	ENSG00000112584	FAM120B	13752	3	0.12	protein_coding	6	15709791	17071033	family with sequence similarity 120B
12010	ENSG00000104938	CLIC4M	14435	1	0.12	protein_coding	9	782035	783441	C-type lectin domain family 4, member M
12612	ENSG00000131743	FAM20A	14439	9	0.12	protein_coding	6	43016251	42055199	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa
12662	ENSG00000102953	CANX	14439	3	0.12	protein_coding	7	6651254	6651254	family with sequence similarity 25, member A
12741	ENSG00000135773	FAM20B	14537	3	0.12	protein_coding	1	23083130	23083749	calpain 9
12961	ENSG00000225885	UNC119B	14639	9	0.12	protein_coding	8	11928437	11928438	Uncharacterized protein
13008	ENSG00000198178	FLC4C	14746	1	0.12	protein_coding	12	117938427	117938428	flavin containing monooxygenase 4
13188	ENSG00000198178	CLEC4C	14854	7	0.12	protein_coding	12	788011	7904201	C-type lectin domain family 4, member C
13341	ENSG00000174191	MGA	14878	6	0.12	protein_coding	15	4191342	4206214	MGA, MAX, aminoglycoside phosphotransferase III
13370	ENSG00000125288	SH3BP2	15001	4	0.12	protein_coding	5	8345390	8345390	SH3 domain-containing protein repeats 1
13457	ENSG00000228157	HLG	15070	2	0.12	protein_coding	17	18996287	18996150	Uncharacterized protein ENSP0000026042
13527	ENSG00000194432	HLG	15119	1	0.12	protein_coding	8	79581978	79711738	interleukin 7
13544	ENSG00000220486	SLC22A1	15122	2	0.12	protein_coding	5	13810285	13810282	solute carrier family 22 (anionic acid transporter), member 1
13584	ENSG00000257743	SLC22A1	15157	9	0.12	protein_coding	7	141811549	141822124	Putative inactive maltase-glucoamylase-like protein LOC93432
13645	ENSG00000226274	OR13A1	15207	8	0.12	protein_coding	10	45788102	45811058	olfactory receptor, family 13, subfamily A, member 1
13803	ENSG00000171629	ROR3	15232	4	0.12	protein_coding	1	114431719	211489712	ROR3, TGF-beta receptor 3
14038	ENSG00000500730	TNIP3	15487	9	0.12	protein_coding	4	12205263	122148621	TNF-AP3 interacting protein 3
14070	ENSG00000168961	MS4A15	15524	4	0.12	protein_coding	11	60524426	60544205	membrane-spanning 4-domains, subfamily A, member 15
14297	ENSG00000202525	PCSK2J	15592	4	0.12	protein_coding	7	10217805	10217103	polysome RNA1 (1.0kA directed polypeptide 3)
14381	ENSG00000109867	SLC29A9	15749	4	0.12	protein_coding	4	8772777	10036580	solute carrier family 2 (facilitated glucose transporter), member 9
14425	ENSG00000107738	CDH23	15786	6	0.12	protein_coding	10	73156991	73257032	cadherin-related 23
14510	ENSG00000105722	ANKK1	15922	2	0.12	protein_coding	17	4921203	4132724	ankyrin repeat and POGZ domain containing 1
14520	ENSG00000158958	GALK2	15971	3	0.12	protein_coding	15	4844783	48600606	galactokinase 2
14993	ENSG00000201857	MIA	15925	4	0.12	protein_coding	9	41277523	41283393	melanoma inhibitory activity
14841	ENSG00000188975	L1R84O4	15995	1	0.12	protein_coding	18	12213457	12825752	low density lipoprotein receptor class A domain containing 4
14902	ENSG00000198193	ZNF26	16168	1	0.12	protein_coding	12	133582951	133589154	zinc finger protein 26
14949	ENSG00000118155	OTOF	16200	8	0.12	protein_coding	2	2868071	28781586	otoferlin
15022	ENSG00000178171	ZNF630	16207	8	0.12	protein_coding	16	8662165	8662165	zinc finger protein 380D
15035	ENSG00000181552	EMD3B	16287	9	0.12	protein_coding	14	21236588	21238107	epididymal protein 3B
15094	ENSG00000202070	TME253	16324	4	0.12	protein_coding	14	21567096	21571883	transmembrane protein 253
15128	ENSG00000242418	HLG	16333	1	0.12	protein_coding	14	6963125	6963125	hypoxanthine kinase 1
15301	ENSG00000178124	DLU1	16474	1	0.12	protein_coding	13	50656307	51297372	deleted in lymphocytic leukemia 1 (non-protein coding)
15327	ENSG000002024671	IL31	16492	6	0.12	protein_coding	12	12265677	12265678	interleukin 31
15338	ENSG00000105859	TRKX	16512	1	0.12	protein_coding	16	3385129	34874397	Ankyrin repeat, SOCS box protein 3
15351	ENSG00000124003	MCGA1	16509	4	0.12	protein_coding	2	223536505	223547449	monoacylglycerol O-acyltransferase 1
15383	ENSG00000147038	LANCL3	16512	1	0.12	protein_coding	4	37430822	37433747	lanthanum chloride synthase component Clike 3 (bacterial)
15528	ENSG00000187803	TRKX	16512	1	0.12	protein_coding	11	673821	673821	Tan1
15678	ENSG00000197915	HNRN	16704	9	0.12	protein_coding	1	15218458	15219689	heteremin
15707	ENSG000002015790	SLC3E2	16787	8	0.12	protein_coding	1	1862827	1874731	solute carrier family 35, member E2
15745	ENSG00000192670	TME253	16787	8	0.12	protein_coding	17	12348070	12348070	transmembrane protein 116
15876	ENSG00000122133	PAEP	16925	1	0.12	protein_coding	9	138453962	138458901	progestagen-associated endometrial protein
15881	ENSG00000120242	IFNA	16931	5	0.12	protein_coding	9	21409146	21410184	interferon, alpha 8
15886	ENSG00000204109	ZNF81	16939	9	0.12	protein_coding	5	17226948	17226949	Uncharacterized protein
15912	ENSG00000198975	ZNF81	16939	9	0.12	protein_coding	18	13369340	13370198	zinc finger protein 81
15916	ENSG00000120332	TNN	16953	2	0.12	protein_coding	1	17503694	17511702	tenascin N
15986	ENSG00000215918	DNAH17	17019	4	0.12	protein_coding	18	3961729	3730141	deoxyribonuclease 1
16000	ENSG00000186716	TDCC	17021	9	0.12	protein_coding	12	38792153	38973810	indoleamine 2,3-dioxygenase 2
16007	ENSG00000159723	AGRP	17087	1	0.12	protein_coding	16	67516474	67517716	agouti related protein homolog (mouse)
16071	ENSG00000300678	MYH11	17089	9	0.12	protein_coding	17	10217401	10217647	myosin, heavy chain 11, skeletal muscle
16101	ENSG00000190366	PRK3	17100	3	0.12	protein_coding	16	48713362	48713363	protein kinase, cdc 45
16102	ENSG00000174900	CASA	17110	2	0.12	protein_coding	16	87921625	87970135	carbonic anhydrase VA, mitochondrial
16133	ENSG00000231213	PLSCR3	17131	4	0.12	protein_coding	3	14629442	146324003	phospholipid scramblase family, member 3
16161	ENSG00000192661	NFPIB	17132	1	0.12	protein_coding	17	28761318	28774128	nuclear pore complex interacting protein family, member B9
16240	ENSG00000184766	CTGF5	17127	1	0.12	protein_coding	7	48075108	48100901	phosphoglycolipase 5A, mitochondrial
16277	ENSG00000193331	ZNF781	17229	1	0.12	protein_coding	7	12725046	12725082	zinc finger protein 781
16327	ENSG00000193038	OTX2	17239	9	0.12	protein_coding	17	7260370	7260370	paired box 4
16333	ENSG00000198278	GTF2R2	17288	3	0.12	protein_coding	7	74210483	74287847	GTF2 repeat domain containing 2
16351	ENSG00000198381	ZNF781	17288	6	0.12	protein_coding	9	38158882	38182223	zinc finger protein 781
16414	ENSG00000198381	ZNF781	17288	6	0.12	protein_coding	9	38158882	38221148	zinc finger protein 781
16421	ENSG00000204514	ZNF814	17374	4	0.12	protein_coding	9	58380099	58404440	zinc finger protein 814
16472	ENSG00000188528	ZNF814	17374	4	0.12	protein_coding	9	15726029	15741448	zinc finger protein 814
16483	ENSG00000192488	ZNF814	17374	4	0.12	protein_coding	9	112261498	112416455	cytochrome P450, zinc family 4, subfamily F, polypeptide 8
16490	ENSG00000187858	TEKT1	17391	3	0.12	protein_coding	17	6694242	6735800	H2O2OAS7-like Uncharacterized protein
16519	ENSG00000187858	ZNF814	17391	3	0.12	protein_coding	15	23900812	23970370	transmembrane protein 202
16520	ENSG00000194911	CGAL1	17426	7	0.12	protein_coding	15	22804193	22804193	protein A8, member 4
16539	ENSG00000188678	MAGE2	17426	5	0.12	protein_coding	4	75002823	75005079	melanoma antigen family E, 2
16610	ENSG00000154025	SLC5A10	17428	5	0.12	protein_coding	17	18583558	18629508	solute carrier family 5 (sodium/sugar cotransporter), member 10
16618	ENSG00000157148	TRAF3	17428	7	0.12	protein_coding	11	11442180	11442180	RNA binding motif, X-linked 3
16633	ENSG00000184022	CR2T10	17502	2	0.12	protein_coding	1	24875052	24875100	olfactory receptor, type 2, subfamily 1, member 10
16640	ENSG000001921381	TASR9	17508	7	0.12	protein_coding	12	19961893	19962787	taste receptor, type 2, member 9
16646	ENSG000001921381	TASR9	17508	7	0.12	protein_coding	12	19961893	19962787	taste receptor, type 2, member 9
16660	ENSG00000142951	SPINT4	17524	4	0.12	protein_coding	20	4435090	44354469	serine peptidase inhibitor, Kunitz type 4
16668	ENSG00000192914	SHBG	17533	6	0.12	protein_coding	17	7517882	7518370	sex hormone-binding globulin
16708	ENSG0000017752	ZNF814	17533	6	0.12	protein_coding	18	1468218	14683313	Yin-Yang family, member 7
16816	ENSG00000193843	C15orf52	17654	7	0.12	protein_coding	15	9301484	9304347	chromosome 15 open reading frame 32
16822	ENSG00000192400	ZNF549	17659	9	0.12	protein_coding	9	58038993	58088910	zinc finger protein 549
16885	ENSG00000185880	CY18F10	17659	1	0.12	protein_coding	12	1627895	1627895	chromosome 1 open reading frame 110
16897	ENSG00000120088	CHR1	17705	5	0.12	protein_coding	17	14365087	14365087	corbinin releasing hormone receptor 1
16902	ENSG00000171448	RSL1	17705	5	0.12	protein_coding	1	18241256	18252934	regulator of G protein signaling like 1
16968	ENSG00000125753	COL6A6	17705	5	0.12	protein_coding	11	13008159	13008159	collagen protein VI, alpha 6
17014	ENSG000002023976	ZNF789	17789	9	0.12	protein_coding	10	11170129	11171349	Uncharacterized protein
17051	ENSG00000198556	ZNF789	17789	14	0.12	protein_coding	7	9907044	99101273	zinc finger protein 789
17098	ENSG000002023976	ZNF789	17789	14	0.12	protein_coding	8	56047763	66549138	Uncharacterized protein
17102	ENSG00000188528	GLRA4	17822	5	0.12	protein_coding	8	10296183	10296343	oligine receptor, alpha 4
17118	ENSG00000184029	DISCRA	17861	8	0.12	protein_coding	21	39323728	39493454	Down syndrome critical region gene 4
17201	ENSG00000141735	HEM1	17839	6	0.12	protein_coding	3	5866968	60222368	hematopoietic stem cell protein 1
17344	ENSG00000200143	ARSND2	18032	1	0.12	protein_coding	6	34821376	34828104	AT rich domain 3 (BRICH7-like)
17373	ENSG00000138813	C4orf17	18039	4	0.12	protein_coding	4	10045161	10046380	chromosome 4 open reading frame 17
17438	ENSG00000206522	PHF10	18026	6	0.12	protein_coding	4	10846862		

12467	ENSG00000252847		14331.3	0.12	snRNA	9	98622186	98622298	RNA_U2 small nuclear 46, pseudogene
13385	ENSG00000252848		15684.9	0.12	snRNA	6	105214697	105214697	RNA_U6 small nuclear 897, pseudogene
13418	ENSG00000252578		15037.6	0.12	snRNA	1	23450446	23450446	RNA_U6 small nuclear 135, pseudogene
14208	ENSG00000212259		15631.3	0.12	snRNA	5	94857073	94857179	RNA_U6 small nuclear 308, pseudogene
15504	ENSG00000201543		16629	0.12	snRNA	3	20036296	20036417	RNA_U6 small nuclear 86, pseudogene
15811	ENSG00000251985		16972.6	0.12	snRNA	22	46020411	46020512	RNA_U6 small nuclear 119, pseudogene
15886	ENSG00000222896		16933.7	0.12	snRNA	1	231806361	231806361	RNA_USA small nuclear 5, pseudogene
16286	ENSG00000252528	RNU6-6P	17225.4	0.12	snRNA	13	30855962	30856006	RNA_U6 small nuclear 64, pseudogene
16291	ENSG00000203388		17230.7	0.12	snRNA	12	31548934	31548935	RNA_U6 small nuclear 616, pseudogene
16371	ENSG00000198482		17259	0.12	snRNA	16	10590129	10590129	RNA_U6 small nuclear 633, pseudogene
16385	ENSG00000245013		17317.6	0.12	snRNA	17	58719994	58719998	RNA_U6 small nuclear 624, pseudogene
17346	ENSG00000252525		18023.8	0.12	snRNA	21	38417630	38417638	RNA_U6 small nuclear 696, pseudogene
17404	ENSG00000202029		18058	0.12	snRNA	2	158883548	158883554	RNA_U6 small nuclear 580, pseudogene
17448	ENSG00000206776		18063.6	0.12	snRNA	16	15971020	15971123	RNA_U6 small nuclear 213, pseudogene
17478	ENSG00000201926		18118.5	0.12	snRNA	22	26587665	26587796	RNA_U6 small nuclear 1215, pseudogene
17504	ENSG00000202087		18137.2	0.12	snRNA	10	30584848	30588022	RNA_U6 small nuclear 598, pseudogene
1283	ENSG00000211799		2132.2	0.12	TR_V_gene	14	22475751	22476420	T cell receptor alpha variable 19
9193	ENSG00000211746		3427.6	0.12	TR_V_gene	21	142230663	142237048	T cell receptor beta variable 19
11109	ENSG00000211813		13244.6	0.12	TR_V_gene	14	22675418	22676025	T cell receptor alpha variable 34
16586	ENSG00000239944		17437.7	0.12	TR_V_pseudogene	7	142245303	142245572	T cell receptor beta variable 8.2 (pseudogene)
14077	ENSG00000234709		15527.1	0.12	transcribed_unprocessed_pseudo_gene	9	102705683	102761351	UPF3A pseudogene 3
16026	ENSG00000269904	MAP2K4P1	17051.6	0.12	transcribed_unprocessed_pseudo_gene	X	72744111	72782921	mitogen-activated protein kinase kinase 4 pseudogene 1
18410	ENSG00000224886		17328.1	0.12	transcribed_unprocessed_pseudo_gene	10	81444250	81444739	BEM domain containing 3 pseudogene 3
16848	ENSG00000270938		17515.9	0.12	transcribed_unprocessed_pseudo_gene	14	103745560	103746292	RAP2C pseudogene 1
4567	ENSG00000225492	GBP1P1	7070.2	0.12	transcribed_unprocessed_pseudo_gene	1	89873238	89891802	guanylate binding protein 1, interferon-inducible pseudogene 1
9799	ENSG000000099251	HSD17B7P2	12192.1	0.12	transcribed_unprocessed_pseudo_gene	10	38645305	38667433	hydroxysteroid (17 beta) dehydrogenase 7 pseudogene 2
13062	ENSG00000253981		14767.2	0.12	transcribed_unprocessed_pseudo_gene	8	8093525	8102189	asparagine-linked glycosylation 1-like 13, pseudogene
14686	ENSG00000214856	KRT16P1	15997.1	0.12	transcribed_unprocessed_pseudo_gene	17	18335365	18346209	keratin 16 pseudogene 1
15291	ENSG00000224060		16468.1	0.12	transcribed_unprocessed_pseudo_gene	9	14460540	14468226	arylsulfatase E pseudogene 1
15349	ENSG00000241717	LOC100289038	16508.5	0.12	transcribed_unprocessed_pseudo_gene	22	17170993	17185367	von Willebrand factor pseudogene 1
15645	ENSG00000260518		16744.7	0.12	transcribed_unprocessed_pseudo_gene	16	33488492	33500971	BMS1 pseudogene 8
15883	ENSG00000255277	ABCC6P2	16932.7	0.12	transcribed_unprocessed_pseudo_gene	16	14914649	14918363	ATP-binding cassette, sub-family C, member 6 pseudogene 2
16011	ENSG00000218052		17039.5	0.12	transcribed_unprocessed_pseudo_gene	15	85738600	85873965	ADAMTS2 pseudogene 4
16509	ENSG00000229028		17404	0.12	transcribed_unprocessed_pseudo_gene	17	38873487	38878184	keratin 22S pseudogene
16686	ENSG00000214617	SLC6A10P	17532.9	0.12	transcribed_unprocessed_pseudo_gene	16	32888790	32894622	solute carrier family 6 (neurotransmitter transporter), member 10, pseudogene
16999	ENSG00000259156	CHEK2P2	17755.5	0.12	transcribed_unprocessed_pseudo_gene	15	20487997	20496839	checkpoint kinase 2 pseudogene 2
17107	ENSG00000240268		17856	0.12	transcribed_unprocessed_pseudo_gene	7	141940559	141946886	monooxygenase, DBH-like 2, pseudogene
17193	ENSG00000226435	ANKRD18DP	17916.4	0.12	transcribed_unprocessed_pseudo_gene	3	197780393	197807591	ankyrin repeat domain 18D, pseudogene
17375	ENSG00000234667		18040.5	0.12	untranscribed_pseudogene	3	49910780	49915413	actin, beta pseudogene 13
17434	ENSG00000229261		18042.6	0.12	untranscribed_pseudogene	6	27001214	27002089	vomeronasal 1 receptor 12 pseudogene
18087	ENSG00000202079	MYH16	18573.7	0.12	untranscribed_pseudogene	7	98836417	98836783	myosin, heavy chain 16 pseudogene
19170	ENSG00000236083		19594.9	0.12	untranscribed_pseudogene	9	35859059	35859880	olfactory receptor, family 13, subfamily E, member 1 pseudogene
9230	ENSG00000252526		19618.5	0.12	untranscribed_pseudogene	8	29611676	29612001	major histocompatibility complex, class I, U (pseudogene)
8724	ENSG00000235254		11307.8	0.12	untranscribed_pseudogene	X	148850528	148850528	transmembrane protein 185A pseudogene 1
13852	ENSG00000196301		15363.5	0.12	untranscribed_pseudogene	6	32473598	32481277	major histocompatibility complex, class II, DR beta 9 (pseudogene)
15360	ENSG00000269902		16917.6	0.12	untranscribed_pseudogene	17	58053370	58079745	DEC1 (also known as Hlx) box polypeptide 40 pseudogene 1
16513	ENSG00000250794		17404.6	0.12	untranscribed_pseudogene	8	12278541	12282059	asparagine-linked glycosylation 1-like 12, pseudogene
17047	ENSG00000254722		17812.8	0.12	untranscribed_pseudogene	11	56098823	56099864	family with sequence similarity 8, member A2 pseudogene
17448	ENSG00000202143		17513.4	0.12	untranscribed_pseudogene	6	2978162	29781141	HLA complex group 4 pseudogene 8
17307	ENSG00000168492		18055.1	0.12	untranscribed_pseudogene	11	3431582	3443726	family with sequence similarity 86, member G, pseudogene
17438	ENSG00000254748		18097.9	0.12	untranscribed_pseudogene	11	86735625	86736619	heterogeneous nuclear ribonucleoprotein C pseudogene 8
17563	ENSG00000202084		18188.5	0.12	untranscribed_pseudogene	16	1338352	1338838	lysozyme pseudogene 2
18979	ENSG00000241278		19251.6	0.12	untranscribed_pseudogene	3	12560706	12562315	ectonucleotide pyrophosphatase/phosphodiesterase 7 pseudogene 4
3333	ENSG00000272098		5244.9	0.12					
3415	ENSG00000258624		5323.2	0.12					
3449	ENSG00000259375		5433.2	0.12					
4158	ENSG00000227981		6477.4	0.12					
4220	ENSG00000287438		6554.4	0.12					
4841	ENSG00000258148		7435.1	0.12					
5286	ENSG00000237181		7973.6	0.12					
5481	ENSG00000231454		8262.3	0.12					
5477	ENSG00000270055		8214.8	0.12					
6160	ENSG00000289970		8939.3	0.12					
6292	ENSG00000233689		9077.8	0.12					
6455	ENSG00000213090		9244.7	0.12					
6921	ENSG00000202107	SNORD103A	9660.1	0.12		1	31421964	31422049	small nuclear RNA, C/D box 103B
7393	ENSG00000265576		10130	0.12					
7522	ENSG00000273701		10290.3	0.12					
7955	ENSG00000226647		10669.1	0.12					
7997	ENSG00000245914		10700.6	0.12					
8586	ENSG00000268664		11207.1	0.12					
8869	ENSG00000225450		11434.6	0.12					
9168	ENSG00000271162		11694	0.12					
9245	ENSG00000201018		11744.1	0.12					
9248	ENSG00000255518		11747.1	0.12					
9894	ENSG00000294620		12263.5	0.12					
10001	ENSG00000202056		12371.9	0.12					
10258	ENSG00000230154		12550.6	0.12					
10348	ENSG00000298135		12611.3	0.12					
10573	ENSG00000271761		12786.7	0.12					
10798	ENSG00000260601		12987.5	0.12					
10938	ENSG00000257221		13100.4	0.12					
10981	ENSG00000272223		13139.5	0.12					
11355	ENSG00000204874		13442.3	0.12					
11421	ENSG00000243745		13505.6	0.12		19	16509477	16509770	RNA_75s_cytoplasmic 844, pseudogene
11451	ENSG00000206708		13532.9	0.12		1	101455761	101457653	Uncharacterized protein
11527	ENSG00000234818		13601.5	0.12					
11536	ENSG00000289175		13610.2	0.12					
11569	ENSG00000294344		13631.6	0.12					
11718	ENSG00000248019		13755.2	0.12					
11825	ENSG00000252705		13850.5	0.12		14	10889044	10889493	immunoglobulin heavy variable 3-41 (pseudogene)
11831	ENSG00000212684		13854.6	0.12					
11905	ENSG00000240527		13915.7	0.12					
12168	ENSG00000286624		14102.1	0.12		13	20311117	20311384	RNA_75s_cytoplasmic 166, pseudogene
12303	ENSG00000288652		14209.3	0.12		17	80214131	80216090	CDNA_FL27256.fa_dome.S7ND869: Uncharacterized protein
12669	ENSG00000254428		14482.7	0.12					
12683	ENSG00000231999		14490.6	0.12					
12820	ENSG00000274037		14597.7	0.12					
12864	ENSG00000249761		14622.9	0.12					
13047	ENSG00000253899		14752.6	0.12					
13155	ENSG00000252973		14850.9	0.12					
13340	ENSG00000254676		14977.9	0.12					
13656	ENSG00000273137		15220.2	0.12					
13708	ENSG00000234870		15256.9	0.12					
13751	ENSG00000252375		15288	0.12					
13782	ENSG00000286058		15308.9	0.12					
13889	ENSG00000260550		15367.2	0.12					
13916	ENSG00000234195		15413.2	0.12					
13946	ENSG00000226163		15435.6	0.12					
13962	ENSG00000231201		15437.6						

14805	ENSG00000257408		16088.2	0.12					
14810	ENSG00000217617		16093.3	0.12					
14815	ENSG00000227350		16095.3	0.12					
14846	ENSG00000228037		16120.2	0.12					
14885	ENSG00000217151		16150.9	0.12					
14904	ENSG00000217096		16170.5	0.12					
14937	ENSG00000254461		16188.2	0.12					
14947	ENSG00000146976		16199.7	0.12					
14966	ENSG00000252888		16217.4	0.12					
14968	ENSG00000252884		16218	0.12					
15003	ENSG00000225519		16240.1	0.12					
15063	ENSG00000258948		16234	0.12					
15095	ENSG00000231507		16235	0.12					
15133	ENSG00000227598	PGMPF2	16257.6	0.12	9	69080240	69147854		phosphoglucosylase 5 pseudogene 2
15143	ENSG00000231125		16267.4	0.12					
15144	ENSG00000258393		16267.7	0.12					
15207	ENSG00000240934		16413.9	0.12					
15221	ENSG00000229278		16434.2	0.12					
15241	ENSG00000253472		16442.8	0.12					
15262	ENSG00000238403		16452.5	0.12	17	80540381	80540476		Small nuclear RNA U13
15286	ENSG00000252353		16464.5	0.12					
15299	ENSG00000254650		16472.9	0.12					
15302	ENSG00000226530		16474.4	0.12					
15310	ENSG00000231246		16482.1	0.12					
15338	ENSG00000254117		16488.5	0.12	14	106559546	106559975		immunoglobulin heavy variable 2-10 (pseudogene)
15354	ENSG00000263182		16512	0.12					
15378	ENSG00000250299		16530.6	0.12					
15396	ENSG00000218738		16542.7	0.12					
15403	ENSG00000230305		16548.4	0.12					
15407	ENSG00000250445		16553.3	0.12					
15433	ENSG00000254103		16575.1	0.12					
15441	ENSG00000238988		16579.3	0.12	18	60861822	60861898		Small nuclear RNA U13
15448	ENSG00000254543		16586.5	0.12					
15455	ENSG00000196560		16591.8	0.12					
15410	ENSG00000223881		16635.3	0.12					
15521	ENSG00000250555		16641.8	0.12					
15564	ENSG00000228437		16678.7	0.12					
15571	ENSG00000234584		16683.5	0.12					
15574	ENSG00000230989		16684.8	0.12					
15588	ENSG00000229984		16702.4	0.12					
15602	ENSG00000225410		16706.8	0.12					
15647	ENSG00000234475		16745.8	0.12					
15676	ENSG00000233824		16765.2	0.12					
15679	ENSG00000251342		16770.4	0.12					
15688	ENSG00000250560		16777.1	0.12					
15701	ENSG00000237999		16784.1	0.12					
15714	ENSG00000260271		16792.7	0.12					
15717	ENSG00000225768		16796.6	0.12					
15744	ENSG00000248026		16806.6	0.12					
15735	ENSG00000271426		16806.7	0.12					
15736	ENSG00000262647		16806.8	0.12					
15748	ENSG00000250973		16813.6	0.12					
15781	ENSG00000205662		16827.1	0.12					
15779	ENSG00000204399		16838	0.12					
15796	ENSG00000211992		16855.9	0.12					
15801	ENSG00000258273		16862.6	0.12					
15806	ENSG00000231368		16867.1	0.12					
15825	ENSG00000251879		16882.3	0.12					
15837	ENSG00000238397		16887	0.12					
15839	ENSG00000236187		16891.3	0.12					
15848	ENSG00000221258		16894.5	0.12					
15883	ENSG00000243845		16916	0.12					
15895	ENSG00000226841		16939.2	0.12					
15900	ENSG00000248343		16944.6	0.12					
15904	ENSG00000248170		16947.8	0.12					
15908	ENSG00000243018		16949.3	0.12					
15926	ENSG00000213302		16959.3	0.12					
15935	ENSG00000236200		16967.9	0.12					
15936	ENSG00000231421		16968.2	0.12					
15937	ENSG00000244688		16968.9	0.12					
15941	ENSG00000237370		16973.6	0.12					
15944	ENSG00000226171		16977.4	0.12					
15953	ENSG00000252688		16985.5	0.12					
15962	ENSG00000233427		16989	0.12					
15963	ENSG00000254522		16990.4	0.12					
15972	ENSG00000258252		16999	0.12					
15985	ENSG00000263713		17014.3	0.12					
15988	ENSG00000244154		17025.5	0.12					
16022	ENSG00000208722		17048	0.12					
16024	ENSG00000250376		17049.7	0.12					
16027	ENSG00000258877		17052.2	0.12					
16032	ENSG00000254448		17057.8	0.12					
16033	ENSG00000236468		17058.2	0.12					
16043	ENSG00000228984		17069.1	0.12					
16046	ENSG00000260519		17072.1	0.12					
16061	ENSG00000232719		17083.3	0.12					
16066	ENSG00000231334		17085.9	0.12					
16062	ENSG00000242521		17086.6	0.12					
16064	ENSG00000242292		17088.4	0.12					
16090	ENSG00000265226		17101.1	0.12					
16094	ENSG00000261096		17105.3	0.12					
16106	ENSG00000248404		17113.5	0.12					
16113	ENSG00000238191		17118.3	0.12	5	149923152	149923251		Small nuclear RNA U13
16128	ENSG00000258402		17128.4	0.12					
16138	ENSG00000238538		17131.7	0.12					
16139	ENSG00000262951		17134.6	0.12					
16140	ENSG00000264798		17135.9	0.12					
16143	ENSG00000243779		17138.5	0.12					
16144	ENSG00000255845		17138.6	0.12					
16147	ENSG00000271509		17139.7	0.12					
16156	ENSG00000211311		17146.1	0.12					
16161	ENSG00000244942		17147.8	0.12					
16174	ENSG00000232799		17156.6	0.12					
16180	ENSG00000246004		17162.9	0.12					
16191	ENSG00000260721		17168.8	0.12					
16193	ENSG00000258830		17171.5	0.12					
16201	ENSG00000260625		17174.4	0.12					
16223	ENSG00000254002		17196.4	0.12					
16226	ENSG00000273288		17202.9	0.12					
16236	ENSG00000250658		17209.3	0.12					
16244	ENSG00000204121		17214.9	0.12					
16254	ENSG00000226864		17220.6	0.12					
16261	ENSG00000257848		17223.3	0.12					
16264	ENSG00000256209		17224.9	0.12					
16265	ENSG00000221948		17224.9	0.12					
16271	ENSG00000232211		17226.9	0.12					
16280	ENSG00000249776		17230.5	0.12					
16290	ENSG00000262343		17238.8	0.12					
16298	ENSG00000250918		17242.3	0.12					
16297	ENSG00000259692		17244	0.12					
16301	ENSG00000223823		17245.5	0.12					
16303	ENSG00000235661		17247.8	0.12					
16306	ENSG00000253960		17249.4	0.12					
16311	ENSG00000250584		17250.5	0.12					
16312	ENSG00000244261		17250.9	0.12					
16316	ENSG00000227358		17255.5	0.12					
16321	ENSG00000265518		17258.6	0.12					
16326	ENSG00000260589		17262.6	0.12	11	118301123	118301419		RNA, 7SL, cytoplasmic 86, pseudogene
16330	ENSG00000227732		17276.6	0.12					
16344	ENSG00000254487		17282.8	0.12					
16346	ENSG00000260985		17284	0.12					
16347	ENSG00000260266		17285.5	0.12					
16352	ENSG00000232576		17287.2	0.12					
16355	ENSG00000271958		17287.9	0.12					
16369	ENSG00000256156		17290	0.12					
16368	ENSG00000258175		17295.9	0.12					
16380	ENSG00000273442		17308.2	0.12					
16385	ENSG00000231766		17312.1	0.12					
16388	ENSG00000226899		17319.3	0.12					
16405	ENSG00000230520		17325	0.12					
16407	ENSG00000250548		17326	0.12					
16414	ENSG00000233702		17331.3	0.12					
16417	ENSG00000234281		17335.1	0.12					
16420	ENSG00000234071		17337.1	0.12					
16422	ENSG00000254532		17337.6	0.12					
16427	ENSG00000243016		17342.9	0.12					
16433	ENSG00000236365		17347.4	0.12					
16442	ENSG00000260585		17353.5	0.12					
16465	ENSG00000235653		17370.5	0.12					
16468	ENSG00000232200		17374.5	0.12					
16482	ENSG00000218336		17386	0.12					

16491	ENSG00000226277		17391.8	0.12					
16498	ENSG00000211628		17394.1	0.12					
16501	ENSG00000287919		17398.3	0.12					
16502	ENSG00000240913		17398.5	0.12	2	25240901	25281196		RNA, 7SL, cytoplasmic 856, pseudogene
16514	ENSG00000255696		17405.2	0.12					
16524	ENSG00000259941		17417.6	0.12					
16534	ENSG00000218048		17422.1	0.12					
16538	ENSG00000204441		17423.9	0.12					
16546	ENSG00000285122		17430.5	0.12					
16553	ENSG00000226886		17434.8	0.12					
16556	ENSG00000226973		17438.6	0.12					
16560	ENSG00000209453		17440.6	0.12					
16563	ENSG00000250140		17442.2	0.12					
16569	ENSG00000217067		17448.4	0.12					
16576	ENSG00000203179		17452.9	0.12					
16578	ENSG00000206640		17453.3	0.12					
16583	ENSG00000200072		17458.7	0.12					
16588	ENSG00000205135		17463.8	0.12					
16592	ENSG00000226022		17465.2	0.12					
16593	ENSG00000216718		17466.7	0.12					
16594	ENSG00000202935		17467.9	0.12					
16595	ENSG00000273443		17470.9	0.12					
16596	ENSG00000235226		17473	0.12					
16603	ENSG00000235986		17481.3	0.12					
16605	ENSG00000205153		17484.5	0.12					
16606	ENSG00000257305		17485.2	0.12					
16607	ENSG00000202971		17487.7	0.12					
16612	ENSG00000208129		17489.9	0.12					
16613	ENSG00000205865		17490	0.12					
16622	ENSG00000205967		17492.1	0.12					
16626	ENSG00000232852		17494.3	0.12					
16629	ENSG00000254975		17498.7	0.12					
16632	ENSG00000204681		17500.3	0.12					
16639	ENSG00000205142		17508.3	0.12					
16642	ENSG00000250929		17510.9	0.12					
16648	ENSG00000213107		17516.8	0.12					
16661	ENSG00000242308		17528.7	0.12					
16668	ENSG00000224658		17533.4	0.12					
16671	ENSG00000205469		17533.7	0.12					
16672	ENSG00000210777		17534.7	0.12					
16680	ENSG00000208392		17545.3	0.12	17	55489272	55489562		RNA, 7SL, cytoplasmic 437, pseudogene
16687	ENSG00000205686		17550.8	0.12					
16688	ENSG00000205644		17557.8	0.12					
16699	ENSG00000228940		17558.1	0.12					
16708	ENSG00000206260		17570.3	0.12					
16718	ENSG00000225497		17576.1	0.12					
16721	ENSG00000238846		17576.7	0.12	3	32214148	32214252		Small nuclear RNA U13
16726	ENSG00000234480		17581	0.12					
16731	ENSG00000205106		17585	0.12					
16735	ENSG00000236658		17587.2	0.12					
16736	ENSG00000209603		17588.6	0.12					
16741	ENSG00000204984		17590.2	0.12	14	69312519	69312772		RNA, 7SL, cytoplasmic 224, pseudogene
16743	ENSG000002081253		17596.3	0.12					
16747	ENSG000002081386		17599.3	0.12					
16760	ENSG000002095186		17613	0.12					
16761	ENSG000002087671	YWHAEP7	17613.3	0.12	17	38187925	38244383		lysine 3-monooxygenase/hydroxan 5-monooxygenase activation protein, epsilon pseudogene 7
16768	ENSG000002037834		17619.5	0.12					
16773	ENSG00000203244		17623	0.12					
16776	ENSG00000230024		17626.7	0.12					
16782	ENSG00000204391		17628.5	0.12	21	33714826	33715062		RNA, 7SL, cytoplasmic 109, pseudogene
16785	ENSG00000218857		17631.7	0.12					
16788	ENSG00000213368		17633.6	0.12					
16791	ENSG00000213343		17638	0.12					
16794	ENSG00000233484		17638.6	0.12					
16797	ENSG00000228529		17643.3	0.12					
16801	ENSG00000220763		17643.8	0.12					
16809	ENSG00000258345		17649.5	0.12					
16810	ENSG000002053111		17650.4	0.12					
16812	ENSG00000205028		17651.8	0.12					
16816	ENSG00000215409		17654.9	0.12					
16820	ENSG00000237329		17657.5	0.12					
16824	ENSG00000203842		17661.1	0.12					
16834	ENSG00000224595		17670.2	0.12					
16835	ENSG00000238678		17670.4	0.12	1	119801664	119801764		Small nuclear RNA U13
16842	ENSG00000237428		17673.5	0.12					
16850	ENSG00000255746		17677.9	0.12					
16851	ENSG00000272239		17678.1	0.12					
16853	ENSG00000204681		17678.3	0.12					
16856	ENSG00000185945	NF2	17680.1	0.12	X	101615316	101729732		nuclear RNA export factor 2B
16857	ENSG00000251538		17680.2	0.12					
16864	ENSG00000227238		17681.9	0.12					
16879	ENSG00000213461		17693.3	0.12					
16880	ENSG00000273180		17694.7	0.12					
16881	ENSG00000205372		17695.3	0.12					
16883	ENSG000002051072		17702	0.12					
16886	ENSG000002081131		17704	0.12					
16884	ENSG00000257991		17707	0.12					
16886	ENSG00000213363		17709.2	0.12					
16915	ENSG00000236998		17712	0.12					
16919	ENSG00000206015		17716.6	0.12					
16921	ENSG00000205161		17718.9	0.12					
16929	ENSG00000249316		17726.3	0.12					
16938	ENSG00000226096		17731.4	0.12					
16946	ENSG00000220588		17736.8	0.12					
16947	ENSG00000250114		17737.2	0.12					
16955	ENSG00000208841		17743.5	0.12					
16957	ENSG000002051329		17745.2	0.12					
16960	ENSG00000223663		17746.7	0.12					
16967	ENSG00000220963		17750.4	0.12					
16970	ENSG00000204440		17751.6	0.12					
16974	ENSG000002033847		17753.1	0.12					
16985	ENSG000002041628		17761.3	0.12					
16986	ENSG00000205448		17762.1	0.12					
16987	ENSG00000205293		17765.4	0.12					
16993	ENSG00000218433		17770.1	0.12					
16994	ENSG00000206024		17771.5	0.12	17	32581900	32623306		Uncharacterized protein
16997	ENSG000002081002		17774.2	0.12					
17000	ENSG000002080773		17777.4	0.12					
17001	ENSG00000202968		17783.9	0.12	X	47915689	47925971		ZNF630 antisense RNA 1
17007	ENSG00000257300		17784.7	0.12					
17016	ENSG000002023851		17790.7	0.12					
17017	ENSG000002035804		17793.1	0.12					
17021	ENSG000002058142		17795.8	0.12					
17025	ENSG00000211994		17796.8	0.12					
17028	ENSG00000211699		17797.1	0.12					
17028	ENSG000002050194		17799.1	0.12					
17035	ENSG000002020403		17805.8	0.12					
17038	ENSG000002081029		17806.4	0.12					
17050	ENSG000002053279		17813.7	0.12					
17060	ENSG000002023424		17823.2	0.12					
17065	ENSG000002034546		17840.3	0.12					
17068	ENSG000002034468		17843.2	0.12					
17090	ENSG00000228523		17845	0.12					
17092	ENSG00000205693		17850.8	0.12					
17093	ENSG00000203527		17846.5	0.12					
17094	ENSG00000228421		17847.5	0.12					
17103	ENSG000002041053		17852.7	0.12					
17105	ENSG000002049341		17854.4	0.12					
17113	ENSG000002034504		17858.2	0.12					
17134	ENSG000002081411		17873.2	0.12					
17136	ENSG000002048458		17875.3	0.12					
17140	ENSG000002063626		17878.6	0.12					
17143	ENSG000002056971		17883.3	0.12					
17144	ENSG000002056564		17883.5	0.12					
17145	ENSG000002026272		17883.9	0.12					
17150	ENSG00000215174		17888.7	0.12					
17154	ENSG00000237654		17891.4	0.12					
17165	ENSG00000232995		17900.9	0.12					
17167	ENSG000002049360		17902.5	0.12					
17170	ENSG00000202572		17904.5	0.12					
17172	ENSG000002059178		17905.6	0.12					
17173	ENSG00000233811		17906.2	0.12					
17177	ENSG00000205329		17907.5	0.12					
17179	ENSG000002059793		17908.2	0.12					
17189	ENSG000002037864		17914	0.12					
17191	ENSG000002020950		17918.1	0.12					
17194	ENSG000002029875		17917.9	0.12					
17198	ENSG000002085115		17918.6	0.12					
17205	ENSG0000021763		17922	0.12					
17211	ENSG000002028603		17926.1	0.12					

17219	ENSG00000255504		17933	0.12					
17224	ENSG00000255176		17938	0.12					
17225	ENSG00000258913		17939	0.12					
17228	ENSG00000265359		17941	0.12					
17229	ENSG00000258191		17941	0.12					
17231	ENSG00000258961		17941.4	0.12					
17233	ENSG00000228717		17942.6	0.12	9	135968439	135968538		Small nuclear RNA U13
17241	ENSG00000269944		17945.3	0.12					
17244	ENSG00000269938		17946.4	0.12					
17248	ENSG00000254506		17947.6	0.12					
17261	ENSG00000227658		17956.5	0.12					
17270	ENSG00000251855		17969.2	0.12					
17279	ENSG00000203513		17974.6	0.12					
17286	ENSG00000229886		17977.3	0.12					
17297	ENSG00000221753		17987.6	0.12					
17298	ENSG000002228397		17988.2	0.12					
17307	ENSG00000208712		17993.2	0.12					
17316	ENSG00000256469		17995.3	0.12					
17315	ENSG00000250882		17999.9	0.12					
17319	ENSG00000231220		18002	0.12					
17321	ENSG00000223276		18004.5	0.12					
17322	ENSG000002048515		18004.7	0.12					
17326	ENSG00000251518		18008	0.12					
17328	ENSG00000225670		18008.6	0.12					
17331	ENSG00000258007		18009.8	0.12					
17332	ENSG00000231403		18012.3	0.12					
17333	ENSG00000256955		18012.4	0.12					
17344	ENSG00000226355		18021.5	0.12					
17355	ENSG00000228030		18028.7	0.12					
17360	ENSG00000231118		18034.3	0.12					
17371	ENSG00000220712		18039.1	0.12					
17377	ENSG00000251168		18041.2	0.12					
17380	ENSG00000239559		18042.3	0.12					
17384	ENSG00000269903		18045.7	0.12					
17387	ENSG00000253141		18047	0.12					
17395	ENSG00000252570	GOLGA7B	18048.6	0.12	10	99627889	99631294		Golgin subfamily A member 7B, cDNA FLJ34365, clone OC88F.206476
17399	ENSG00000237888		18056.5	0.12					
17407	ENSG00000268469		18062	0.12					
17425	ENSG00000252161		18080.1	0.12					
17428	ENSG00000287758		18080.5	0.12					
17427	ENSG00000226928		18081.7	0.12					
17443	ENSG00000268584		18092.4	0.12					
17447	ENSG00000226291		18093.8	0.12					
17454	ENSG00000269752		18102.3	0.12					
17457	ENSG00000274603		18104.7	0.12					
17459	ENSG00000259351		18105.6	0.12					
17462	ENSG00000231518		18107.6	0.12					
17467	ENSG00000231860		18111.3	0.12					
17477	ENSG00000231532		18118.1	0.12					
17485	ENSG00000235266		18124	0.12					
17486	ENSG00000250752		18126.2	0.12					
17493	ENSG00000262921		18126.9	0.12					
17507	ENSG00000273492		18138.5	0.12					
17509	ENSG00000264475		18139.3	0.12					
17515	ENSG00000253384		18143.6	0.12	7	5529206	5525132		Small nuclear RNA U13
17519	ENSG00000268153		18147	0.12					
17521	ENSG00000259830		18147.2	0.12					
17524	ENSG00000253384		18148.6	0.12					
17528	ENSG00000256828		18152.5	0.12					
17542	ENSG00000256878		18164.3	0.12					
17547	ENSG00000256878		18164.3	0.12					
17558	ENSG00000225742		18175.2	0.12					
17562	ENSG00000204112		18176.4	0.12					
17563	ENSG00000255007		18176.6	0.12					
17565	ENSG00000231997		18177.2	0.12	9	46389110	46391556		family with sequence similarity 27, member D1
17566	ENSG00000232471		18177.4	0.12					
17567	ENSG00000212931		18177.5	0.12					
17571	ENSG00000263567		18180	0.12					
17578	ENSG00000273372		18185.9	0.12					
17579	ENSG0000021168		18186.4	0.12					
17584	ENSG00000272748		18189.2	0.12					
17588	ENSG00000258480		18191.9	0.12					
17597	ENSG00000237320		18196.3	0.12					
17599	ENSG00000233521		18196.8	0.12					
17604	ENSG00000225297		18201.3	0.12					
17608	ENSG00000256228		18208.8	0.12					
17609	ENSG0000027144		18208	0.12					
17612	ENSG00000265148		18209.6	0.12					
17629	ENSG00000236889		18219.8	0.12					
17631	ENSG00000263774		18220.2	0.12					
17639	ENSG00000259984		18229	0.12					
17650	ENSG0000024129		18238.8	0.12					
17659	ENSG00000226977		18248.1	0.12					
17671	ENSG00000267219		18258.3	0.12					
17676	ENSG00000259772		18262.2	0.12					
17680	ENSG00000231714		18266.3	0.12	12	79918657	79918950		RNA 7SL, cytoplasmic 696, pseudogene
17685	ENSG00000248965		18268.8	0.12					
17689	ENSG00000261439		18273.5	0.12					
17696	ENSG00000234646		18282.5	0.12					
17702	ENSG00000228120		18284.3	0.12					
17708	ENSG0000026864		18287.4	0.12					
17710	ENSG00000272201		18289.4	0.12					
17712	ENSG00000216842		18290	0.12					
17713	ENSG00000241216		18291.7	0.12					
17714	ENSG00000234488		18296.7	0.12					
17723	ENSG00000258873		18304.7	0.12					
17725	ENSG00000259570		18306.4	0.12					
17729	ENSG00000231508		18308.5	0.12					
17734	ENSG00000251011		18315.9	0.12					
17742	ENSG00000208142		18319	0.12					
17756	ENSG00000232696		18325.3	0.12					
17751	ENSG000002048629		18325.6	0.12	1	24993474	24993578		Small nuclear RNA U13
17756	ENSG00000259910		18327	0.12					
17761	ENSG00000213631		18332.6	0.12					
17762	ENSG00000232486		18333.1	0.12					
17769	ENSG00000262833		18334.8	0.12					
17772	ENSG00000256102		18337.2	0.12					
17783	ENSG00000227045		18343.6	0.12					
17786	ENSG00000202547		18347.1	0.12					
17793	ENSG00000232156		18348.3	0.12					
17797	ENSG00000225881		18350.6	0.12					
17803	ENSG00000262596		18353.5	0.12					
17814	ENSG00000256055		18363.3	0.12					
17818	ENSG00000227722		18364.3	0.12					
17821	ENSG00000269387		18365.7	0.12					
17823	ENSG00000231393		18366.3	0.12					
17826	ENSG00000261613		18369.1	0.12					
17840	ENSG00000232623		18381.2	0.12					
17845	ENSG00000202031		18383.1	0.12					
17857	ENSG00000254238		18390	0.12					
17858	ENSG00000269792		18390.2	0.12					
17863	ENSG00000234673		18393.3	0.12					
17864	ENSG00000269650		18393.1	0.12					
17869	ENSG00000183304		18397.6	0.12					
17870	ENSG00000269561		18398.1	0.12					
17873	ENSG00000259335		18399	0.12					
17927	ENSG00000235274		18436.6	0.12					
17928	ENSG00000266149		18444.7	0.12					
17938	ENSG00000234659		18445.6	0.12	19	11578091	11578412		RNA 7SL, cytoplasmic 699, pseudogene
17944	ENSG00000255523		18452.4	0.12					
17948	ENSG00000269488		18452.2	0.12					
17965	ENSG00000205010		18466.7	0.12					
17974	ENSG00000270200		18476.5	0.12					
17983	ENSG00000265331		18482.5	0.12					
17985	ENSG00000198100		18483.1	0.12					
17990	ENSG00000231978		18489.8	0.12					
17993	ENSG00000269702		18487.6	0.12					
17996	ENSG00000262500		18492.5	0.12					
17998	ENSG00000264256		18493	0.12					
18004	ENSG00000252419		18498.7	0.12	8	37458392	37459706		RNA 7SL, cytoplasmic 463, pseudogene
18006	ENSG00000252419		18498.7	0.12	6	5045818	5046335		RNA component of mitochondrial RNA processing endoribonuclease pseudogene 2
18012	ENSG00000235837		18504.5	0.12					
18016	ENSG00000254512		18510.5	0.12					
18029	ENSG00000216922		18522.5	0.12					
18032	ENSG00000243518		18525.3	0.12					
18033	ENSG00000261632		18525.5	0.12					
18038	ENSG00000217778		18529.9	0.12					
18042	ENSG00000226965		18531.3	0.12					
18045	ENSG00000269653		18532.6	0.12					
18050	ENSG00000248660		18535.3	0.12					
18058	ENSG00000228127		18541.2	0.12					

16810	ENSG00000243723	16872.7	0.11	misc RNA	2	15933076	15933073	RNA 7SL cytoplasmic 383, pseudogene	
16808	ENSG00000243717	17025.3	0.11	processed_pseudogene	12	6706120	6706120	RNA 7SL cytoplasmic 809, pseudogene	
16748	ENSG00000243740	17601.5	0.11	misc RNA	12	9569546	9569548	Y RNA	
16917	ENSG00000243732	17714.1	0.11	misc RNA	2	8559478	8559409	Y RNA	
17208	ENSG00000243669	17825.3	0.11	misc RNA	17	2697128	2657430	RNA 7SL cytoplasmic 605, pseudogene	
17216	ENSG00000243751	17930.6	0.11	misc RNA	14	7313029	7313029	Y RNA	
17245	ENSG00000244091	17846.6	0.11	misc RNA	12	84909252	84909536	RNA 7SL cytoplasmic 483, pseudogene	
17505	ENSG00000243698	18137.5	0.11	misc RNA	12	11259696	11257013	Y RNA	
17585	ENSG00000243748	18158.9	0.11	misc RNA	14	12226024	12226026	Y RNA	
17744	ENSG00000243728	18521.2	0.11	misc RNA	12	31689237	31689538	Y RNA	
18164	ENSG00000243780	18653.1	0.11	misc RNA	20	5945184	5945208	Y RNA	
18336	ENSG00000243847	18753.4	0.11	misc RNA	2	4278626	4278626	RNA 7SL cytoplasmic 819, pseudogene	
18380	ENSG00000242814	18789.3	0.11	misc RNA	13	96821799	96822099	RNA 7SL cytoplasmic 810, pseudogene	
18420	ENSG00000243238	18819.2	0.11	misc RNA	20	1263592	1263592	RNA 7SL cytoplasmic 594, pseudogene	
18459	ENSG00000243035	18844.7	0.11	misc RNA	5	3213484	3213484	Y RNA	
18476	ENSG00000199591	18860.4	0.11	misc RNA	3	47912498	47912404	Y RNA	
18482	ENSG00000243760	18891.5	0.11	misc RNA	19	17962680	17962683	RNA 7SL cytoplasmic 619, pseudogene	
18538	ENSG00000243186	18905.2	0.11	misc RNA	8	120724070	120724305	RNA 7SK small nuclear pseudogene 153	
18730	ENSG00000243894	19046.9	0.11	misc RNA	2	55511354	55511364	Y RNA	
18902	ENSG00000243743	19095.2	0.11	misc RNA	13	92629601	92629598	RNA 7SL cytoplasmic 374, pseudogene	
19048	ENSG00000243872	19305.8	0.11	misc RNA	1	220745085	220745377	RNA 7SL cytoplasmic 464, pseudogene	
19061	ENSG00000238888	19315.4	0.11	misc RNA	17	15311701	15312003	RNA 7SL cytoplasmic 762, pseudogene	
19209	ENSG00000243845	19421.6	0.11	misc RNA	9	12927183	12927648	RNA 7SL cytoplasmic 50, pseudogene	
18482	ENSG00000244025	19627.7	0.11	misc RNA	6	43003936	43004238	RNA 7SL cytoplasmic 403, pseudogene	
4269	ENSG00000225131	8627.2	0.11	processed_pseudogene	13	48342584	48343685	proteasome activator subunit 2 pseudogene 2	
9559	ENSG00000243785	8292.2	0.11	processed_pseudogene	4	11059469	11059599	HGI hypoxia inducible domain family, member 1A pseudogene 14	
6440	ENSG00000232927	8231.8	0.11	processed_pseudogene	Y	3558846	3551909	ubiquitin specific peptidase 12 pseudogene 2, linked	
11496	ENSG00000181819	13575.2	0.11	processed_pseudogene	X	10465018	10465710	potassium channel tetramerization domain containing 9 pseudogene 2	
17571	ENSG00000243553	14271.6	0.11	processed_pseudogene	13	14271964	14271964	ribosomal protein L31 pseudogene 8	
12484	ENSG00000243553	14351.8	0.11	processed_pseudogene	17	27128462	27128460	ribosomal protein L31 pseudogene 58	
14665	ENSG00000239797	15979.1	0.11	processed_pseudogene	3	145542044	145542268	ribosomal protein L21 pseudogene 39	
14928	ENSG00000239797	15979.1	0.11	processed_pseudogene	4	69931825	69931825	ribosomal protein L21 pseudogene 9	
15176	ENSG00000229354	16387.2	0.11	processed_pseudogene	11	5592477	5593422	heterogeneous nuclear ribonucleoprotein A1 pseudogene 53	
15200	ENSG00000225831	16444.8	0.11	processed_pseudogene	20	5513524	5513524	ribosomal protein S18 pseudogene 1	
15142	ENSG00000225831	16444.8	0.11	processed_pseudogene	19	7826368	7826368	ribosomal protein S18 pseudogene 20	
15680	ENSG00000200914	16772.9	0.11	processed_pseudogene	16	78389248	78389731	LSM3 pseudogene 5	
15821	ENSG00000244534	16881.1	0.11	processed_pseudogene	8	5322744	5322660	ribosomal protein L34 pseudogene 17	
16054	ENSG00000234118	17189.3	0.11	processed_pseudogene	1	4189187	4189187	res-related G3 histidine rich domain 1 pseudogene 3	
16074	ENSG00000234118	RPL13APB	17591.5	0.11	processed_pseudogene	10	112963830	112969991	ribosomal protein L13a pseudogene 6
16107	ENSG00000228034	17112.9	0.11	processed_pseudogene	2	71030289	71030568	high mobility group nucleosomal binding domain 2 pseudogene 21	
16241	ENSG00000244141	17155.9	0.11	processed_pseudogene	9	10049768	10049768	keratin 19 pseudogene 3	
16269	ENSG00000270788	17228.1	0.11	processed_pseudogene	14	59517086	59518054	PO2 and LIM domain 1 pseudogene 1	
16543	ENSG00000232568	17426.7	0.11	processed_pseudogene	2	187128146	187128646	ribosomal protein L23a pseudogene 35	
16555	ENSG00000241661	17436.4	0.11	processed_pseudogene	1	138962592	13896739	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 6	
16560	ENSG00000241661	17436.4	0.11	processed_pseudogene	17	130411684	130411684	BCG2 pseudogene 1	
16911	ENSG00000233890	17552.5	0.11	processed_pseudogene	10	101457106	101457706	estrogen receptor binding site associated, antigen 9 pseudogene 1	
16716	ENSG00000237205	17575.1	0.11	processed_pseudogene	10	8037786	8037881	ribosomal protein L7 pseudogene 34	
16742	ENSG00000237205	17575.1	0.11	processed_pseudogene	10	88078100	88078100	eukaryotic translation initiation factor 4A1 pseudogene 13	
16788	ENSG00000218454	17631.9	0.11	processed_pseudogene	17	20674371	20674740	heterogeneous nuclear ribonucleoprotein A1 pseudogene 19	
16846	ENSG00000215120	17676.3	0.11	processed_pseudogene	2	18412570	18412570	LINE2A pseudogene 1	
16864	ENSG00000208189	17733.9	0.11	processed_pseudogene	1	139709641	139709635	regulator of chaperone condensation 2 pseudogene 8	
16934	ENSG00000227056	17730.3	0.11	processed_pseudogene	1	119781937	119782119	ribosomal protein L6 pseudogene 2	
16936	ENSG00000218128	17730.3	0.11	processed_pseudogene	X	12784848	12784978	keratin 19 pseudogene 44	
16976	ENSG00000202121	17753.9	0.11	processed_pseudogene	2	22317838	22317838	acytousy related 1 pseudogene 2	
16986	ENSG00000214077	17772.5	0.11	processed_pseudogene	2	132181374	132181440	guanine nucleotide binding protein (G protein), alpha polypeptide pseudogene 1	
17030	ENSG00000202227	17801.7	0.11	processed_pseudogene	4	168886717	168887336	igkappa mhc containing 60 pseudogene 14	
17031	ENSG00000202227	17801.7	0.11	processed_pseudogene	4	33118926	33118926	SUMO2 pseudogene 10	
17046	ENSG00000228112	17812.3	0.11	processed_pseudogene	X	110412449	110412631	FCF1 pseudogene 4	
17091	ENSG00000229570	17846.1	0.11	processed_pseudogene	1	120038459	120039484	glyceraldehyde 3 phosphate dehydrogenase pseudogene 58	
17096	ENSG00000231378	17858.3	0.11	processed_pseudogene	1	10660516	10660516	ribosomal protein L1 pseudogene 41	
17125	ENSG00000238557	17867.5	0.11	processed_pseudogene	15	62654228	62654330	high mobility group nucleosomal binding domain 1 pseudogene 26	
17126	ENSG00000231294	17869.8	0.11	processed_pseudogene	X	65294877	65298189	eukaryotic translation initiation factor 4B pseudogene 9	
17131	ENSG00000231294	17872.0	0.11	processed_pseudogene	6	68362402	68362402	SUMO2 pseudogene 4	
17151	ENSG00000240244	17880.7	0.11	processed_pseudogene	1	120138700	120139802	glyceraldehyde 3 phosphate dehydrogenase pseudogene 33	
17276	ENSG00000225398	17973.4	0.11	processed_pseudogene	X	143392257	143392818	ribonucleotide reductase M2 polypeptide pseudogene 4	
17290	ENSG00000233485	17973.4	0.11	processed_pseudogene	1	18271696	18271696	DnaJ (Hsp60) homolog, eukaryotic, member 1 pseudogene 1	
17417	ENSG00000230169	18073.6	0.11	processed_pseudogene	8	113551118	113551546	ribosomal protein L30 pseudogene 16	
17456	ENSG00000230178	18102.7	0.11	processed_pseudogene	16	73974538	73974523	ribosomal protein SA pseudogene 56	
17456	ENSG00000230178	18102.7	0.11	processed_pseudogene	16	23917138	23917138	iron-sulfur cluster associated 1 pseudogene 2	
17458	ENSG00000232373	18104.7	0.11	processed_pseudogene	13	68346823	68347859	MT-CYB pseudogene 3	
17464	ENSG00000202412	18107.9	0.11	processed_pseudogene	3	147884131	147885085	heterogeneous nuclear ribonucleoprotein A1 pseudogene 20	
17472	ENSG00000211765	18126.8	0.11	processed_pseudogene	6	39037620	39037620	actin monomer 1B6, pseudogene	
17489	ENSG00000231301	18126.8	0.11	processed_pseudogene	6	29550285	29550285	ribosomal protein L13a pseudogene	
17600	ENSG00000238873	18197.1	0.11	processed_pseudogene	1	120101978	120102387	glyceraldehyde 3 phosphate dehydrogenase pseudogene 27	
17608	ENSG00000238873	18197.1	0.11	processed_pseudogene	1	201183	201183	canine succinyl coylate 4 pseudogene 1	
17703	ENSG00000215785	18234.3	0.11	processed_pseudogene	1	11051035	11051034	collin 1 (non-muscle) pseudogene 6	
17736	ENSG00000243889	18316.3	0.11	processed_pseudogene	11	122996575	122999832	ribosomal protein L34 pseudogene 23	
17774	ENSG00000238987	18338.7	0.11	processed_pseudogene	9	5318788	5318788	ADP-ribosylation factor like 2 binding protein pseudogene 2	
17782	ENSG00000237263	18342.8	0.11	processed_pseudogene	13	4264308	4264329	mitogen-activated protein kinase 6 pseudogene 3	
17796	ENSG00000213487	18349.6	0.11	processed_pseudogene	X	3289150	3289423	aminopyruvate synthetase 1 pseudogene 4	
17801	ENSG00000230509	18349.6	0.11	processed_pseudogene	12	8456357	8456357	high mobility group nucleosomal binding domain 2 pseudogene 11	
17808	ENSG00000227425	18357.8	0.11	processed_pseudogene	1	157830987	157831250	mitochondrial ribosomal protein S21 pseudogene 2	
17822	ENSG00000224055	18366.2	0.11	processed_pseudogene	15	44355709	44355511	glyceraldehyde 3 phosphate dehydrogenase pseudogene 55	
17822	ENSG00000219199	18368.3	0.11	processed_pseudogene	16	63214514	63214514	ubiquitin-conjugating enzyme E2F (ubiquitin) pseudogene 2	
17881	ENSG00000237859	18409.1	0.11	processed_pseudogene	16	154117160	154117278	eukaryotic translation initiation factor 1, alpha 1 pseudogene 31	
17894	ENSG00000229367	18411.4	0.11	processed_pseudogene	1	229706279	229706543	high mobility group nucleosomal binding domain 2 pseudogene 19	
17921	ENSG00000227735	18432.6	0.11	processed_pseudogene	1	244761693	244761689	cytochrome c, somatic, pseudogene 5	
17959	ENSG00000240461	18459.2	0.11	processed_pseudogene	4	141528844	141528844	TBC1H41	
17960	ENSG00000173954	18459.2	0.11	processed_pseudogene	X	138444199	138444199	SNRPB upstream reading frame-like	
17971	ENSG00000242697	18477.4	0.11	processed_pseudogene	6	95057317	95057398	DnaJ (Hsp60) homolog, subfamily C, member 19 pseudogene 6	
18004	ENSG00000235886	18532.8	0.11	processed_pseudogene	19	12618843	12618843	ribosomal protein S18 pseudogene 7	
18160	ENSG00000237682	18630.0	0.11	processed_pseudogene	14	20662985	20663121	eukaryotic translation initiation factor 4A1 pseudogene 12	
18217	ENSG00000232856	18631.1	0.11	processed_pseudogene	7	73302407	73302407	ubiquitin-like with PH2 and ring finger domains 1 pseudogene 1	
18185	ENSG00000176318	18631.1	0.11	processed_pseudogene	X	101801662	101801662	lfn18b1 pseudogene 1	
18186	ENSG00000232921	18634.0	0.11	processed_pseudogene	2	140978153	140979054	M1-ND1 pseudogene 2	
18201	ENSG00000211660	18635.2	0.11	processed_pseudogene	1	350190	350190	ribosomal protein S18 pseudogene 6	
18250	ENSG00000248338	18683.2	0.11	processed_pseudogene	17	48313200	48313400	SUMO2 pseudogene 7	
18241	ENSG00000174408	18740.4	0.11	processed_pseudogene	13	107818146	107819334	peptidylarginine isomerase A (cyclophilin A) pseudogene 24	
18242	ENSG00000231910	18741.9	0.11	processed_pseudogene	13	35261702	35261702	ribosomal protein S20 pseudogene 55	
18333	ENSG00000214051								

4973	ENSG00000134231	RSAD2	7619.9	0.11	protein_coding	7	7009377	7038370	radical S-adenosyl methionine domain containing 2
4974	ENSG00000110688	TRPV7	7622.5	0.11	protein_coding	17	1531176	1531176	transient receptor potential cation channel, subfamily V, member 2
5006	ENSG00000143774	GLK1	7663	0.11	protein_coding	1	228327663	228336885	guanylate kinase 1
5075	ENSG00000163687	DNASE1L3	7737.8	0.11	protein_coding	3	5817784	5820044	deoxyribonuclease like 3
5176	ENSG00000125818	RAB17	7897	0.11	protein_coding	20	10967	10968	proteasome (broad, macro) inhibitor subunit 1 (P31)
5200	ENSG00000126229	RNFPEL1	7952.9	0.11	protein_coding	2	24159521	24159779	angry amyloidosis (neuropathic) 5-like 1
5296	ENSG00000155307	SARIN1	8001.8	0.11	protein_coding	21	1585749	1585723	SAM domain, SH3 domain and nuclear localization signals 1
5301	ENSG00000186461	RAB17	8011.0	0.11	protein_coding	18	9708162	9696248	RAB17, member RAS oncogene family
5354	ENSG00000090884	HMGH	8074.8	0.11	protein_coding	6	1849261	1871716	hydroxymethylglutathione hydrolase
5376	ENSG00000184182	UBE2F	8166.5	0.11	protein_coding	2	23885469	238851336	ubiquitin-conjugating enzyme E2F (putative)
5412	ENSG0000047644	WWC3	8176.6	0.11	protein_coding	A	9862962	10122518	WWC family member 3
5433	ENSG00000202628	ATP2B2	8176.6	0.11	protein_coding	2	10226290	10226290	ATP-binding cassette, subfamily B, member 2
5448	ENSG00000124172	ATP5E	8191.1	0.11	protein_coding	20	5760522	57607437	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit
5676	ENSG00000182711	NLRP7	8441.9	0.11	protein_coding	1	247579458	247612410	NLR family, pyrin domain containing 3
5741	ENSG00000156460	SLC24A2	8502.1	0.11	protein_coding	2	2324321	23260299	guanylate cyclase, subfamily B (MDR1A/C), member 1
5823	ENSG00000198951	NAGA	8591.1	0.11	protein_coding	22	4244358	4246646	N-acetylglucosaminidase, alpha-
5836	ENSG00000126561	STAT3A	8607.1	0.11	protein_coding	17	4043956	4046381	signal transducer and activator of transcription 3A
5878	ENSG00000120903	IL13RH	8653.3	0.11	protein_coding	14	2473056	2473742	leukotriene B4 receptor
5912	ENSG00000170542	SERPINF9	8685.5	0.11	protein_coding	6	2687500	2690314	serpin peptidase inhibitor, class B (ovalbumin), member 9
5921	ENSG00000159067	FOXO1	8703	0.11	protein_coding	13	4112804	41240734	forkhead box O1
6056	ENSG00000205129	ATX2	8938	0.11	protein_coding	2	10693062	10693190	ubiquitin-specific protease 75
6068	ENSG00000258877	UNC59	8847	0.11	protein_coding	8	74660526	7479189	Uncoupled protein
6110	ENSG00000215421	ZNF407	8893.2	0.11	protein_coding	18	7226106	7277767	zinc finger protein 407
6122	ENSG00000120333	SLC24A2	8955.1	0.11	protein_coding	19	1071333	1072055	solute carrier family 4 (cation transporter), member 2
6157	ENSG00000131196	RNFATC1	8958.7	0.11	protein_coding	18	7715856	7728832	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1
6175	ENSG00000133872	TMEM88	8954.2	0.11	protein_coding	8	2992028	2994023	transmembrane protein 88
6269	ENSG00000181986	LAMTOR4	9207.8	0.11	protein_coding	7	6874620	6875367	late endosomal/lysosomal activator, MAPK and mTOR activator 4
6275	ENSG00000134109	EDEM1	9058.8	0.11	protein_coding	3	5228311	526164	ER degradation enhancer, mannosidase alpha-like 1
6423	ENSG00000143851	PTPN22	9213.6	0.11	protein_coding	1	202116141	202130716	protein tyrosine phosphatase, non-receptor type 2
6429	ENSG00000140413	CGIAP2	9218.2	0.11	protein_coding	2	7862968	7863176	CADAF1A receptor-associated protein-like 2
6519	ENSG00000114374	USP17	9317.8	0.11	protein_coding	Y	1481350	1482764	ubiquitin-specific peptidase 9 Y-linked
6628	ENSG00000192263	RAPGEF1	9422.2	0.11	protein_coding	9	13445127	13461541	Rap guanine nucleotide exchange factor (GEF) 1
6748	ENSG00000153178	CHOP2	9524.3	0.11	protein_coding	4	807114	807148	ATP synthase, H+ translocating Fo complex, subunit s (factor 6)
6810	ENSG00000254505	CHMP4A	9581.3	0.11	protein_coding	14	24678789	24683075	charged multivesicular body protein 4A
6822	ENSG00000137078	TNLT1	9592	0.11	protein_coding	9	3969465	3973230	talin 1
6879	ENSG00000200393	TYRO3	9627	0.11	protein_coding	10	1048139	1048139	tyrosine kinase 2
6884	ENSG00000151461	UPF2	9692	0.11	protein_coding	10	1196201	1209519	UPF2 regulator of nonsense transcripts homolog (yeast)
6963	ENSG00000155961	RAB39B	9708	0.11	protein_coding	X	154447526	154493474	RAB39B, member RAS oncogene family
6972	ENSG00000156924	EFNB2	9745.2	0.11	protein_coding	3	1288138	1288138	cell-like receptor 7
6985	ENSG00000159958	EFCAB14	9759.2	0.11	protein_coding	1	4712436	4719424	EF-hand calcium binding domain 14
6994	ENSG00000136100	VEPSC	9765	0.11	protein_coding	13	52989737	53024763	vesicular protein sorting 35 homolog (S. cerevisiae)
6998	ENSG00000150581	ATP7A	9788	0.11	protein_coding	6	9733908	9734000	ATP-binding cassette, subfamily B (MDR/ATP), member 1
7070	ENSG00000125430	HIST3B1	9833.3	0.11	protein_coding	17	1420440	1429271	heparan sulfate (glycosaminoglycan) 3-O-sulfotransferase 3B1
7107	ENSG00000163719	MTMR14	9869.6	0.11	protein_coding	3	8691117	8714407	myotubularin related protein 14
7167	ENSG00000123696	MEIS1L	9934	0.11	protein_coding	12	1169571	11691540	meis domain protein 13-like
7220	ENSG00000177885	GRB2	9972	0.11	protein_coding	17	73314157	733401790	Growth factor receptor-bound protein 2
7333	ENSG00000166445	ZEB1	10116.0	0.11	protein_coding	9	13142605	13150390	zfp1 related, cell cycle regulator
7407	ENSG00000186021	GRB2	10116.0	0.11	protein_coding	2	24184848	24157076	G protein-coupled receptor 35
7447	ENSG00000144048	DUSP11	10187.3	0.11	protein_coding	2	7398911	74007284	dual specificity phosphatase 11 (RNAPNP complex 1-interacting)
7450	ENSG00000198422	ALPKK	10187.3	0.11	protein_coding	10	7304310	73078187	alpha-kinase related kinase
7530	ENSG00000147498	CGALM1/CT1	10209.6	0.11	protein_coding	15	16261812	16015404	chondroitin sulfate 6-O-sulfotransferase 1
7674	ENSG00000100500	SRSF5	10461.6	0.11	protein_coding	14	10193817	10208722	serine/arginine-rich splicing factor 5
7743	ENSG00000124943	AF1	10472.2	0.11	protein_coding	4	8789154	8809206	AF-1/RK2 family, member 1
7748	ENSG00000203327	GRB2	10472.2	0.11	protein_coding	3	7796243	78112934	GRB2-associated binding protein 2
7756	ENSG00000188811	NHLRC3	10488.7	0.11	protein_coding	13	39612443	39624246	NHL repeat containing 3
7801	ENSG00000208440	CBG2	10521	0.11	protein_coding	6	31688371	31688491	chromosome 6 open reading frame 25
7808	ENSG00000209284	HDC4	10527.7	0.11	protein_coding	2	24296284	24292348	histone deacetylase 4
7879	ENSG00000189246	NIP45	10592.5	0.11	protein_coding	16	21413558	2145888	nuclear pore complex interacting protein, family member B3
7881	ENSG00000186479	TM3K3	10594.7	0.11	protein_coding	18	6834925	6836235	threonine-related transmembrane protein 3
7900	ENSG00000190018	GATC3	10620.3	0.11	protein_coding	14	1471526	14691218	guanine nucleotide (hydroxymethyl)transferase (receptor)
7916	ENSG00000186204	CYP4F12	10625.6	0.11	protein_coding	17	1578367	1580784	cytochrome P450, family 4, subfamily F, polypeptide 12
7990	ENSG00000154727	GABPA	10659.9	0.11	protein_coding	21	2710681	2714471	GA binding protein transcription factor, alpha subunit 60kDa
8002	ENSG00000164300	MBTD1	10785.2	0.11	protein_coding	6	7412528	7416199	solute carrier family 8 (anion exchanger), member B1
8062	ENSG00000145016	KIAA226	10792.2	0.11	protein_coding	3	19728204	19747998	Ma2-2 domain containing 1
8183	ENSG00000112102	KIAA202	10792.2	0.11	protein_coding	12	11327404	11327404	KIAA202
8191	ENSG00000164331	ANKRD2	10872.6	0.11	protein_coding	5	7284160	7286151	ankyrin repeat, family A (RF-XANK-like), 2
8254	ENSG0000011877	MCM8	10931.6	0.11	protein_coding	6	119134605	11925027	minichromosome maintenance complex component 9
8465	ENSG00000150162	SH3BP1	11202.3	0.11	protein_coding	1	138312969	138312969	phosphatidylinositol-3-OH kinase, catalytic subunit 1
8621	ENSG00000193475	ASB7	11260.3	0.11	protein_coding	15	10119120	10119120	ankyrin repeat and SOCS box containing 7
8674	ENSG00000183605	PP4R2	11367.8	0.11	protein_coding	3	3304596	3311830	protein phosphatase 4, regulatory subunit 2
8676	ENSG00000190356	TRAF3	11370.2	0.11	protein_coding	3	6832351	6832351	lymphomyeloid cytoskeletal mediator (nuclear signaling/innate II)
8718	ENSG00000107854	TKNS2	11395.2	0.11	protein_coding	10	9350509	9352003	tau/kinesin-TRP-1 interacting ankyrin-related ADP-hosphatase 2
8774	ENSG00000090969	CTDP1	11395.2	0.11	protein_coding	18	77438801	7754510	CTD (carboxyl terminal domain, RNA polymerase II), polypeptide A4 phosphatase, subunit 1
8971	ENSG00000190520	TRAF1	11428.7	0.11	protein_coding	18	18268	18268	cytosolic proteinase 18
8979	ENSG00000257905	KIAA1147	11528.2	0.11	protein_coding	7	14139528	14140153	KIAA1147
9053	ENSG00000118653	ADRP	11594.4	0.11	protein_coding	6	11712287	1180779	androgen-dependent TFIII-regulating protein
9252	ENSG00000154543	TRAF3	11648.7	0.11	protein_coding	13	5144818	5144818	transcription factor CP2
9323	ENSG00000154310	TNFR1	11669.3	0.11	protein_coding	3	17072918	17117917	TRAF3 and NCK interacting kinase
9371	ENSG00000192174	METTL3	11841.5	0.11	protein_coding	3	2573524	2571598	methyltransferase like 3
9388	ENSG00000154444	TRAF3	11865	0.11	protein_coding	6	2029186	2029186	transmembrane protein 183A
9402	ENSG00000151470	C4orf33	11941.8	0.11	protein_coding	4	13001442	13003795	chromosome 4 open reading frame 33
9607	ENSG00000155313	UPF2	11955.3	0.11	protein_coding	21	17123244	17252377	ubiquitin specific peptidase 25
9688	ENSG00000155588	CHCT8	12025	0.11	protein_coding	5	15421113	15425033	CCRA-NOT1 transmembrane complex, subunit 8
9699	ENSG00000177524	TRAF3	12025.2	0.11	protein_coding	3	7819107.2	78212537	transmembrane protein 183A
9631	ENSG00000128594	LRRCA2	12060.2	0.11	protein_coding	7	12767124	12767120	leucine rich repeat containing 4
9793	ENSG00000198631	DCEYF1	12189.3	0.11	protein_coding	6	8371786	8380168	doggy family member 6
9804	ENSG00000193486	XNL1	12250.6	0.11	protein_coding	6	17195268	17194138	transmembrane protein 183A
9890	ENSG00000112588	MAN2B2	12289.9	0.11	protein_coding	4	6578920	6625089	mannosidase, alpha, class 2B, member 2
9936	ENSG00000091177	NBSA2	12289.9	0.11	protein_coding	4	4005266	4015697	MEK5 domain containing 2
9938	ENSG00000191862	PNSA	12433.4	0.11	protein_coding	4	8864458	8864458	POS5, regulator of chromosome homology A (S. cerevisiae)
10148	ENSG00000196918	SEPS2	12462.4	0.11	protein_coding	4	25121627	25121624	Sep (O-phosphoserine) RNAase (serine/threonine) RNA synthase
10192	ENSG00000209312	CTDTP1	12485.3	0.11	protein_coding	6	12438	101775	CTD (carboxyl terminal domain, RNA polymerase II), polypeptide A4 phosphatase, subunit 1
10274	ENSG00000196583	CTDTP1	12560.3	0.11	protein_coding	6	11586201	11586201	CTD (carboxyl terminal domain, RNA polymerase II), polypeptide A4 phosphatase, subunit 1
10361	ENSG00000150595	ITPR1	12571.5	0.11	protein_coding	3	4533022	4589524	inositol 1,4,5-trisphosphate receptor, type 1
10452	ENSG00000190257	CHL3	12697.1	0.11	protein_coding	2	22534867	22540121	chull

16996	ENSG00000158497	HMBH1	17025	0.11	protein_coding	5	143191726	143200284	histomopathology (memor) HB-1
16997	ENSG00000203773	C22D3	17029	0.11	protein_coding	11	11891353	11891353	C22D3
16998	ENSG00000232362	ORX1	17063	0.11	protein_coding	3	9818534	9818940	olfactory receptor, family 5, subfamily K, member 1
16999	ENSG00000236398	ZNF2R39	17074	0.11	protein_coding	7	14280512	14288128	zinc finger protein, type 2, member 39
16999	ENSG00000162691	FLAMR	17228	0.11	protein_coding	1	20711310	20714307	Fc receptor, IgA, IgM, high affinity
16999	ENSG00000113115	MIR22	17289	0.11	miRNA	6	2663618	2663618	zinc finger protein 322
16999	ENSG00000167360	ZNF226	17346	0.11	protein_coding	19	4469226	4469234	zinc finger protein 226
16999	ENSG00000170471	FNWV	17385	0.11	protein_coding	9	21149631	21149146	interferon, omega 1
16999	ENSG00000162472	MIR22	17389	0.11	miRNA	6	2663618	2663618	zinc finger protein 322
16999	ENSG00000162524	CRFGC	17423	0.11	protein_coding	2	208962861	208964554	crystallin, gamma C
16999	ENSG00000165511	CPAR	17443	0.11	protein_coding	16	5427496	5424568	HCG204245: Uncharacterized protein
16999	ENSG00000112624	CDX4	17530	0.11	protein_coding	X	6833436	6833922	homeobox domain protein 4
16999	ENSG0000014562	ORL13	17577	0.11	protein_coding	10	8911425	8913452	NU1 family member 20
16999	ENSG00000185247	MAGE11	17656	0.11	protein_coding	X	14878984	14878984	olfactory receptor, family 2, subfamily L, member 13
16999	ENSG00000118094	TRH	17668	0.11	protein_coding	11	11852826	11855039	melanoma antigen family A, 11
16999	ENSG00000119169	KYF18	17668	0.11	protein_coding	17	2242249	2242169	trehalase (brush-border membrane glycoprotein)
16999	ENSG00000127377	CRVGN	17737	0.11	protein_coding	7	151125621	151137899	crystallin, gamma N
16999	ENSG00000197619	ZNF615	17749	0.11	protein_coding	19	5244555	52511483	zinc finger protein 615
16999	ENSG00000102923	MAGE16	17751	0.11	protein_coding	X	36714559	35727052	melanoma antigen family A, 16
16999	ENSG00000188219	POTE	17756	0.11	protein_coding	2	131975882	13202265	POTE arylsulfonamide family, member E
16999	ENSG00000166743	ACSM1	17794	0.11	protein_coding	16	20634559	20710212	acyl-CoA synthetase medium-chain family member 1
16999	ENSG00000101448	EPN1	17888	0.11	protein_coding	20	44169255	44176361	epididymal proteinase inhibitor
16999	ENSG00000162598	CHRF7	17892	0.11	protein_coding	1	6045294	6045842	chromosome 1 open reading frame 87
16999	ENSG00000254596	MTG1	17902	0.11	protein_coding	10	13524338	13523399	Mitochondrial GTPase 1
16999	ENSG00000102995	MIR25	17917	0.11	miRNA	6	6021263	6021766	matrix-attached ribonucleoprotein
16999	ENSG00000188884	AAOAC13	17935	0.11	protein_coding	1	1277618	1278726	arylsulfonamide decarboxylase-like 3
16999	ENSG00000189551	CT55	17947	0.11	protein_coding	X	13420461	13430522	cancer/breast antigen 55
16999	ENSG00000102959	SLC26A1	17953	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000153789	FAM2B	18038	0.11	protein_coding	16	8511965	8514614	family with sequence similarity 92, member B
16999	ENSG00000178600	PRKRA	18044	0.11	protein_coding	1	2258583	2258757	transmembrane protein 78
16999	ENSG00000102933	KRTAP10.3	18170	0.11	protein_coding	21	4591763	4591763	keratin associated protein 10.3
16999	ENSG00000148300	GPR8	18176	0.11	protein_coding	6	11029514	11030192	G protein-coupled receptor 8
16999	ENSG00000104300	S100A7A	18179	0.11	protein_coding	1	15338000	15339701	S100 calcium binding protein 7A
16999	ENSG00000102958	SLC26A1	18179	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000106436	MVL10	18208	0.11	protein_coding	7	10125665	10127278	myosin, light chain 10, regulatory
16999	ENSG00000300304	MUSK	18216	0.11	protein_coding	9	11341051	11356389	muscle, skeletal, receptor tyrosine kinase
16999	ENSG00000102958	FATE3	18216	0.11	protein_coding	11	12564818	12564818	prostate and testis expressed 2
16999	ENSG00000104108	TRIM1	18233	0.11	protein_coding	4	18800573	18809897	tripartite motif family-like 1
16999	ENSG00000144648	ACKR2	18238	0.11	protein_coding	3	4284264	4282946	atypical chemokine receptor 2
16999	ENSG00000102951	SLC26A1	18238	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000171403	KRT9	18241	0.11	protein_coding	17	3972296	3972810	soluble carrier family 9, subfamily IV, cytosolic protein (anterior) 1, member 1
16999	ENSG00000130948	HSD17B3	18243	0.11	protein_coding	9	9899758	9904434	hydroxysteroid (17-beta) dehydrogenase 3
16999	ENSG00000168916	VHOM1	18401	0.11	protein_coding	1	2081742	2081147	von Willebrand factor D domain containing 381
16999	ENSG00000102951	PRKTR4	18404	0.11	protein_coding	1	15332558	15332558	protein tyrosine phosphatase 281
16999	ENSG00000239332	LINC01119	18424	0.11	protein_coding	2	4704336	4708614	long intergenic non-protein coding RNA 1119
16999	ENSG00000202972	GLYATL3	18453	0.11	protein_coding	6	4646701	4646701	glycine N-acyltransferase-like 3
16999	ENSG00000102958	SLC26A1	18453	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000100764	PSCM1	18457	0.11	protein_coding	14	9072239	9073969	proteasome (prosome, macropain) 26S subunit, ATPase 1
16999	ENSG00000202124	EGZL	18459	0.11	protein_coding	6	13911063	13922203	epithelial cell transforming sequence 2 oncogene-like
16999	ENSG00000102958	SLC26A1	18459	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000244411	KRTAP7.7	18459	0.11	protein_coding	12	1273813	1273920	keratin associated protein 7-7
16999	ENSG00000295346	NKX3	18527	0.11	protein_coding	15	6922264	6935503	NADPH oxidase, EF-hand calcium binding domain 5
16999	ENSG00000102958	SLC26A1	18527	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000188739	FNX2	18574	0.11	protein_coding	9	2138424	2138536	glycylglycyltransferase 2
16999	ENSG00000131279	C1orf20	18577	0.11	protein_coding	3	1471696	1481451	interferon, alpha 2
16999	ENSG00000102958	SLC26A1	18577	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000198379	TMEM27	18736	0.11	protein_coding	3	19014644	19017665	chromosome 3 open reading frame 20
16999	ENSG00000187600	TMEM27	18738	0.11	protein_coding	2	4895629	4871184	transmembrane protein 207
16999	ENSG00000102958	SLC26A1	18738	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000125262	KONU1	18811	0.11	protein_coding	8	3684184	3679346	potassium channel, subfamily U, member 1
16999	ENSG00000162921	LRRRC16B	18835	0.11	protein_coding	1	7493552	7497208	leucine rich repeat containing 53
16999	ENSG00000102958	SLC26A1	18835	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000124574	ABCC10	18873	0.11	protein_coding	6	4339510	4341868	ATP-binding cassette, sub-family C (CFTR/MRP), member 10
16999	ENSG00000151838	CCDC175	18925	0.11	protein_coding	14	59971257	60043549	coiled-coil domain containing 175
16999	ENSG00000102958	SLC26A1	18925	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000243284	V5G8	18948	0.11	protein_coding	1	159824106	159824106	V-set and immunoglobulin domain containing 8
16999	ENSG00000202174	DNAH9	18954	0.11	protein_coding	17	11501748	11517305	dyxem, axonemal, heavy chain 9
16999	ENSG00000102958	SLC26A1	18954	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000151148	UBE3B	19068	0.11	protein_coding	12	109915207	109917507	ubiquitin protein ligase E3B
16999	ENSG00000204428	LYSG5C	19098	0.11	protein_coding	6	3164461	3165117	lymphocyte antigen 6 complex, locus G5C
16999	ENSG00000102958	SLC26A1	19098	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000258130	LOC101929849	19197	0.11	protein_coding	16	30215637	3022032	uncharacterized protein
16999	ENSG00000189342	ZNF442	19219	0.11	protein_coding	19	12461985	12467619	zinc finger protein 442
16999	ENSG00000102958	SLC26A1	19219	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000122548	NBRF3	19231	0.11	protein_coding	7	2857240	2857840	neurabin/alpha/beta-tubulin family, member 3
16999	ENSG00000148205	DMRT2	19250	0.11	protein_coding	19	4234886	4235641	DMRT-like family C2
16999	ENSG00000102958	SLC26A1	19250	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000102958	SLC26A1	19250	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG0000011909	MYO3B	19260	0.11	protein_coding	2	17103455	17103455	myosin IIB
16999	ENSG00000102958	SLC26A1	19260	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000102958	SLC26A1	19260	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000172971	GDJ4	19266	0.11	protein_coding	10	3599438	35997803	gap junction protein, delta 4, 20,1kDa
16999	ENSG00000102958	SLC26A1	19266	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000202958	ACOT6	19309	0.11	protein_coding	14	74077649	7409552	acyl-CoA thioesterase 6
16999	ENSG00000182732	RGS8	19311	0.11	protein_coding	14	7239156	7300364	regulator of G-protein signaling 8
16999	ENSG00000172071	L10c	19369	0.11	protein_coding	8	11794907	11810423	deleted in esophageal cancer 1
16999	ENSG00000102958	SLC26A1	19369	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000196345	ZKSCAN7	19440	0.11	protein_coding	3	4459685	4462475	zinc finger with KRAB and SCAN domains 7
16999	ENSG00000196345	CATSPER2	19569	0.11	protein_coding	15	4396701	4396701	cation channel, sperm associated 2
16999	ENSG00000102958	SLC26A1	19569	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000255692	19642	19642	0.11	protein_coding	12	12013753	12013816	uncharacterized protein
16999	ENSG00000243300	SPDY3	19676	0.11	protein_coding	12	6995326	6995919	speedy/RING3 cell cycle regulator family member E3
16999	ENSG00000102958	SLC26A1	19676	0.11	protein_coding	8	2683373	2683373	anion exchanger 1
16999	ENSG00000132570	PORD2	19746	0.11	protein_coding	5	13420598	134342649	plein-1 alpha-carboxylase dehydratase/oxidation cofactor of hepatocyte nuclear factor 1 alpha (Irf1) 2
16999	ENSG00000208173	PKR32	19747	0.11	protein_coding	19	1820369	1820827	PKR32 protein
16999	ENSG00000196666	FAM198B	19747	0.11	protein_coding	11	4760198	4761074	family with sequence similarity 180, member B
16999	ENSG00000184627	RIF1	19777						

10537	ENSG00000203097		12761.2	0.11	transcribed_processed_pseudo_gene	10	31649884	31650144	serine palmitoyltransferase, long chain base subunit 1 pseudogene 1
15703	ENSG00000134297	PLEKHAP1	16785.2	0.11	transcribed_processed_pseudo_gene	12	45566847	45609824	pleckstrin homology domain containing, family A member 8 pseudogene 1
17875	ENSG000002035812	ADAM21P1	18401.1	0.11	transcribed_processed_pseudo_gene	14	70712208	70714518	ADAM metalloproteinase domain 21 pseudogene 1
17959	ENSG00000215873		18460.9	0.11	transcribed_processed_pseudo_gene	1	82187378	82188743	suppression of tumorigenesis 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 20
18464	ENSG000002094168		18847.7	0.11	transcribed_processed_pseudo_gene	17	22024084	22025022	MT-ND1 pseudogene 15
4252	ENSG000002029391	HLA-DRB8	6598.4	0.11	transcribed_unprocessed_pseudo_gene	6	32520490	32527799	major histocompatibility complex, class II, DR beta 6 (pseudogene)
9867	ENSG00000171101	SIGLEC17P	12307.4	0.11	transcribed_unprocessed_pseudo_gene	19	51670585	51676780	sialic acid binding Ig-like lectin 17, pseudogene
14970	ENSG000002028409		16218.6	0.11	transcribed_unprocessed_pseudo_gene	7	65216129	65228341	chaperonin containing TCP1, subunit 8 (zeta) pseudogene 1
17569	ENSG00000128262	POM121LP	18178.9	0.11	transcribed_unprocessed_pseudo_gene	22	24647796	24661493	POM121 transmembrane nucleoporin-like 9, pseudogene
18127	ENSG000002032726	LOC101927507	18599.2	0.11	transcribed_unprocessed_pseudo_gene	1	16542404	16544522	aristamanin 7 pseudogene 1
18532	ENSG00000188681	MAFP	18697.6	0.11	transcribed_unprocessed_pseudo_gene	21	9907190	9908585	lectin 4 pseudogene 2
18791	ENSG00000176826	FKBP9L	19084.7	0.11	transcribed_unprocessed_pseudo_gene	7	55748767	55760945	FK506 binding protein 9-like
20066	ENSG00000205771	CATSPER2P1	20074.5	0.11	transcribed_unprocessed_pseudo_gene	15	44019116	44038292	catlin channel, sperm associated 2 pseudogene 1
20666	ENSG00000124549	BTN2AP3	20546.8	0.11	transcribed_unprocessed_pseudo_gene	6	28421619	28432611	butyrophilin, subfamily 2, member A3, pseudogene
16171	ENSG000002023448		17155.5	0.11	unitary_pseudogene	16	77256303	77265155	vomerinosa 2 receptor 10 pseudogene
16962	ENSG000002027411		17411.1	0.11	unitary_pseudogene	9	10006366	100101209	bile acid CoA: amino acid N-tetrahydrofolate pseudogene 1
17071	ENSG000002020627		17831.6	0.11	unitary_pseudogene	7	92042290	92068766	transmembrane BAX inhibitor motif containing 7, pseudogene
17352	ENSG000002158111		18627.6	0.11	unitary_pseudogene	1	22899336	229170006	butyrophilin-like 10
17473	ENSG000002047478	AOX2P	18114.2	0.11	unitary_pseudogene	2	30732762	30808199	aldehyde oxidase 2 pseudogene
17741	ENSG00000181201		18219.9	0.11	unitary_pseudogene	1	228651804	228652327	histone cluster 3, H2ba, pseudogene
17931	ENSG000002025519		18438.6	0.11	unitary_pseudogene	1	246935139	246936361	kinasin family member 28, pseudogene
19471	ENSG000002029471	TTLL3L	19837.2	0.11	unitary_pseudogene	15	15200702	15204116	tubulin tyrosine ligase-like family, member 13
19766	ENSG00000197847	SLC22A20	19844.7	0.11	unitary_pseudogene	11	64981311	65010228	solute carrier family 22, member 20
8538	ENSG000000781319		11174.8	0.11	unprocessed_pseudogene	7	99918615	99939531	postmeiotic segregation increased 2 pseudogene 1
15023	ENSG000002025978		16658.8	0.11	unprocessed_pseudogene	9	9045067	90462229	calthamitin 1, pseudogene 8
16542	ENSG000002035040		17428	0.11	unprocessed_pseudogene	6	32673901	32674732	MT-CO3 pseudogene 1
16988	ENSG00000270831		17863.7	0.11	unprocessed_pseudogene	15	21122015	21140687	neurorotaxin 1 pseudogene 1
16989	ENSG000002026979		17369.2	0.11	unprocessed_pseudogene	1	15200702	15204116	metabolin 1 pseudogene 1
17070	ENSG000002032173		17831.4	0.11	unprocessed_pseudogene	6	29541686	29542613	olfactory receptor, family 2, subfamily H, member 5 pseudogene
17309	ENSG00000185390		17894.4	0.11	unprocessed_pseudogene	21	14721586	14722969	fibroblast growth factor 7 pseudogene 2
18328	ENSG00000206790		18149.3	0.11	unprocessed_pseudogene	15	20596609	20600719	BM81 pseudogene 15
19191	ENSG000002049558		19825.6	0.11	unprocessed_pseudogene	3	106517736	106519538	MT-ND5 pseudogene 16
2044	ENSG000002040834		3220.5	0.11	unprocessed_pseudogene	2	90198535	90199190	immunoglobulin kappa variable 1D-12
4258	ENSG000002041172		6961.1	0.11	unprocessed_pseudogene	1	10116882	10116882	
4385	ENSG000002052328		6824.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
4883	ENSG000002043337		7470.9	0.11	unprocessed_pseudogene	1	10116882	10116882	
4928	ENSG000002047547		8725.9	0.11	unprocessed_pseudogene	1	10116882	10116882	
5143	ENSG000002044491		8933.5	0.11	unprocessed_pseudogene	1	10116882	10116882	
6325	ENSG000002050318		9113.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
6683	ENSG00000270346		9441.6	0.11	unprocessed_pseudogene	1	10116882	10116882	
7186	ENSG00000271112		9938.4	0.11	unprocessed_pseudogene	1	10116882	10116882	
7424	ENSG00000270101		10166.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
7572	ENSG00000206986		10317.2	0.11	unprocessed_pseudogene	1	10116882	10116882	
8008	ENSG00000202941		10715.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
8346	ENSG00000205936		11002.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
9027	ENSG000002027170		11567.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
9054	ENSG00000202726		11594.5	0.11	unprocessed_pseudogene	1	10116882	10116882	
9124	ENSG000002037719		11650.4	0.11	unprocessed_pseudogene	1	10116882	10116882	
9428	ENSG000002024152		11880.3	0.11	unprocessed_pseudogene	1	10116882	10116882	
9590	ENSG00000270669		12018.1	0.11	unprocessed_pseudogene	1	10116882	10116882	
9596	ENSG000002015284		12022.3	0.11	unprocessed_pseudogene	1	10116882	10116882	
10427	ENSG00000272962	SLC5A3	12672.3	0.11	unprocessed_pseudogene	21	35445670	35478561	sodium/iron-motilin cotransporter
10538	ENSG000002024727		12711.1	0.11	unprocessed_pseudogene	1	10116882	10116882	
10581	ENSG000002054287		12792.5	0.11	unprocessed_pseudogene	1	10116882	10116882	
10621	ENSG000002067904		12823	0.11	unprocessed_pseudogene	1	10116882	10116882	
10670	ENSG000002020203		12869.9	0.11	unprocessed_pseudogene	1	10116882	10116882	
10752	ENSG00000203400		12945.9	0.11	unprocessed_pseudogene	1	10116882	10116882	
10785	ENSG00000204988		12960.9	0.11	unprocessed_pseudogene	1	10116882	10116882	
10801	ENSG00000205933		12977.5	0.11	unprocessed_pseudogene	1	10116882	10116882	
10945	ENSG000002028007		12996.9	0.11	unprocessed_pseudogene	1	10116882	10116882	
11088	ENSG00000215843		13185.7	0.11	unprocessed_pseudogene	1	10116882	10116882	
11217	ENSG000002042531		13188.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
11871	ENSG000002042958		13320.7	0.11	unprocessed_pseudogene	1	10116882	10116882	
12437	ENSG000002020568		13882.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
12440	ENSG00000227598		14303.7	0.11	unprocessed_pseudogene	1	10116882	10116882	
12543	ENSG000002057395		14310.1	0.11	unprocessed_pseudogene	1	10116882	10116882	
12807	ENSG000002027595		14389.7	0.11	unprocessed_pseudogene	1	93303575	93303627	Small nucleolar RNA SNORA66
12816	ENSG000002020871		14484.2	0.11	unprocessed_pseudogene	1	10116882	10116882	
12818	ENSG00000273118		14592.4	0.11	unprocessed_pseudogene	1	10116882	10116882	
12931	ENSG000002020960		14668.7	0.11	unprocessed_pseudogene	1	10116882	10116882	
12948	ENSG000002041487		14679.9	0.11	unprocessed_pseudogene	1	10116882	10116882	
13016	ENSG000002033960		14726.6	0.11	unprocessed_pseudogene	1	10116882	10116882	
13108	ENSG000002056280		14736.7	0.11	unprocessed_pseudogene	1	10116882	10116882	
13184	ENSG00000191813		14839.3	0.11	unprocessed_pseudogene	1	10116882	10116882	
13431	ENSG00000191819		14859.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
13438	ENSG00000155282	LOC644249	15044.9	0.11	unprocessed_pseudogene	9	67987959	67987998	Protein LOC644249
13616	ENSG00000206795		15055.5	0.11	unprocessed_pseudogene	1	24338608	24339611	Uncharacterized protein
13807	ENSG00000205244		15230.2	0.11	unprocessed_pseudogene	1	10116882	10116882	
14085	ENSG00000272440		15535.6	0.11	unprocessed_pseudogene	1	10116882	10116882	
14196	ENSG00000206363		15617.2	0.11	unprocessed_pseudogene	1	10116882	10116882	
14197	ENSG00000206261		15617.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
14262	ENSG000002081542		15675.5	0.11	unprocessed_pseudogene	1	10116882	10116882	
14561	ENSG00000198302		15962.5	0.11	unprocessed_pseudogene	1	10116882	10116882	
14581	ENSG00000207490		15916.1	0.11	unprocessed_pseudogene	1	10116882	10116882	
15004	ENSG000002035586		16241.4	0.11	unprocessed_pseudogene	1	10116882	10116882	
15016	ENSG000002031196		16253.2	0.11	unprocessed_pseudogene	1	10116882	10116882	
15110	ENSG000002020317		16234.5	0.11	unprocessed_pseudogene	1	10116882	10116882	
15151	ENSG00000214006		16372.4	0.11	unprocessed_pseudogene	1	10116882	10116882	
15295	ENSG00000203240		16449.3	0.11	unprocessed_pseudogene	1	10116882	10116882	
15348	ENSG00000203117		16598.3	0.11	unprocessed_pseudogene	1	10116882	10116882	
15375	ENSG000002035811		16630.1	0.11	unprocessed_pseudogene	1	10116882	10116882	
15418	ENSG00000207167		16558.8	0.11	unprocessed_pseudogene	1	10116882	10116882	
15424	ENSG00000202748		16595.2	0.11	unprocessed_pseudogene	1	10116882	10116882	
15444	ENSG000002043179		16681.6	0.11	unprocessed_pseudogene	1	10116882	10116882	
15489	ENSG000002027531		16611.4	0.11	unprocessed_pseudogene	1	10116882	10116882	
15541	ENSG00000202090		16683.4	0.11	unprocessed_pseudogene	1	10116882	10116882	
15558	ENSG000002081291		16675.3	0.11	unprocessed_pseudogene	1	10116882	10116882	
15630	ENSG000002098676	MUC8	16732	0.11	unprocessed_pseudogene	12	13306934	13306978	mucin 8
15657	ENSG000002041138		16751.1	0.11	unprocessed_pseudogene	1	10116882	10116882	
15668	ENSG000002072909		16759.3	0.11	unprocessed_p				

16565	ENSG00000245293		17442.8	0.11					
16574	ENSG00000244417		17433.9	0.11					
16584	ENSG00000236889		17460.4	0.11					
16600	ENSG00000228060		17479.9	0.11					
16604	ENSG0000023474		17483.5	0.11					
16608	ENSG00000249338		17486.1	0.11					
16701	ENSG00000234356		17561.5	0.11					
16705	ENSG00000265997		17570.3	0.11					
16712	ENSG00000237193		17572.5	0.11					
16750	ENSG00000237324		17602.3	0.11					
16751	ENSG00000251416		17602.5	0.11					
16762	ENSG00000239884		17613.5	0.11					
16781	ENSG00000235782		17628	0.11					
16783	ENSG00000235027		17631	0.11					
16785	ENSG00000234129		17639	0.11					
16818	ENSG00000228872		17656.3	0.11					
16841	ENSG00000219887		17673.5	0.11					
16868	ENSG00000214628		17690.7	0.11					
16883	ENSG00000208992		17696.3	0.11					
16894	ENSG00000223461		17702	0.11					
16914	ENSG00000220023		17711.3	0.11					
16923	ENSG00000204752	19	17719.6	0.11	7011514	7013338			Uncharacterized protein
16988	ENSG00000284434		17746.1	0.11					
17002	ENSG00000250007		17825.2	0.11					
17072	ENSG00000203281		17832.1	0.11					
17084	ENSG00000248876		17840.2	0.11					
17108	ENSG00000201625		17854.6	0.11					
17111	ENSG00000254588		17857.9	0.11					
17117	ENSG00000208413		17861.7	0.11					
17119	ENSG00000235213		17862.5	0.11					
17133	ENSG00000249977		17872.9	0.11					
17135	ENSG00000226836		17874.1	0.11					
17153	ENSG00000206623		17893	0.11					
17156	ENSG00000270917		17895	0.11					
17164	ENSG00000224339		17900.6	0.11					
17175	ENSG00000234488		17906.9	0.11					
17182	ENSG00000205396		17908.6	0.11					
17184	ENSG00000226473		17909.2	0.11					
17198	ENSG00000202359		17914.8	0.11					
17192	ENSG00000287013		17916.3	0.11					
17213	ENSG00000284047		17928.6	0.11					
17215	ENSG00000204646		17929.7	0.11					
17228	ENSG00000203028		17939.4	0.11					
17232	ENSG00000285451		17942.3	0.11					
17248	ENSG00000201518		17947.9	0.11					
17266	ENSG00000254528		17956	0.11					
17275	ENSG00000245466		17971.7	0.11					
17284	ENSG00000287361		17983.3	0.11					
17299	ENSG00000237575		17988.3	0.11					
17337	ENSG00000257458		18014.1	0.11					
17342	ENSG00000235592		18021.3	0.11					
17343	ENSG00000202687		18021.4	0.11					
17350	ENSG00000225535		18026.6	0.11					
17362	ENSG00000248885		18036.2	0.11					
17365	ENSG00000204845		18038.9	0.11					
17367	ENSG00000254303		18037.1	0.11					
17372	ENSG00000204140		18039.4	0.11					
17389	ENSG00000202642		18048.7	0.11					
17402	ENSG00000203186		18057.8	0.11					
17408	ENSG00000237224		18066.9	0.11					
17409	ENSG00000205443		18066.5	0.11					
17419	ENSG00000205507		18074.7	0.11					
17423	ENSG00000214955		18078.5	0.11					
17428	ENSG00000203874		18082	0.11					
17429	ENSG00000208340		18082.4	0.11					
17435	ENSG00000249959		18086.2	0.11					
17461	ENSG00000200977		18097.6	0.11					
17463	ENSG00000208362		18107.8	0.11					
17466	ENSG00000243099		18110.3	0.11					
17471	ENSG00000205683		18114.2	0.11					
17480	ENSG00000208316		18119.7	0.11					
17486	ENSG00000249203		18124.3	0.11					
17487	ENSG00000241484		18134.5	0.11	7	72023729	72288777		rRNA-y1W synthesizing protein 1 homolog B (S. cerevisiae)
17496	ENSG00000235881		18130.1	0.11					
17496	ENSG00000237661		18132.2	0.11					
17512	ENSG00000203223		18162	0.11					
17517	ENSG00000205109		18144.9	0.11					
17530	ENSG00000205276		18154.7	0.11					
17540	ENSG00000204122		18163.4	0.11					
17544	ENSG00000237661		18164.8	0.11					
17549	ENSG00000235374		18167.6	0.11					
17554	ENSG00000237037		18172	0.11					
17574	ENSG00000221163		18183.2	0.11					
17575	ENSG00000242444		18184.3	0.11					
17576	ENSG00000226434		18184.6	0.11					
17581	ENSG00000245174		18190.5	0.11					
17586	ENSG000002084134		18190.4	0.11					
17593	ENSG00000249617		18194	0.11					
17613	ENSG00000204964		18209.5	0.11					
17618	ENSG00000237339		18215.5	0.11					
17645	ENSG00000265831		18235.4	0.11					
17647	ENSG00000205696		18236.5	0.11	4	40870886	40870887		Small nuclear RNA U13
17649	ENSG00000256596		18238.3	0.11					
17654	ENSG00000214996		18241.9	0.11					
17655	ENSG00000251128		18242.7	0.11	14	107281000	107281252		immunoglobulin heavy variable 4-80 (pseudogene)
17662	ENSG000002053923		18250	0.11					
17667	ENSG00000207239		18255.7	0.11					
17686	ENSG00000205478		18269.6	0.11					
17691	ENSG000002031063		18276.4	0.11					
17692	ENSG00000212355		18277.9	0.11					
17697	ENSG00000204629		18282.2	0.11					
17704	ENSG000002041003		18285.6	0.11	15	65192180	65192438		RNA 7SL, cytoplasmic 345, pseudogene
17719	ENSG00000235673		18299.6	0.11					
17720	ENSG00000205871		18299.6	0.11					
17728	ENSG000002084205		18307.6	0.11	5	178893834	178894126		RNA 7SL, cytoplasmic 71, pseudogene
17740	ENSG00000284451		18318.6	0.11					
17743	ENSG00000240941		18320.2	0.11					
17747	ENSG00000256041		18324.9	0.11					
17756	ENSG00000197414	GOLGA8L1	18332	0.11	15	22736246	22746002		galga1 A6 family-like 1
17769	ENSG00000231378		18333.8	0.11					
17773	ENSG00000232194		18338.3	0.11					
17780	ENSG00000208926		18341.1	0.11					
17781	ENSG00000231785		18342	0.11					
17785	ENSG00000228877		18344.5	0.11					
17786	ENSG00000272308		18345.1	0.11					
17789	ENSG00000202223		18345.3	0.11					
17791	ENSG00000205896		18347.5	0.11					
17796	ENSG000002081151		18352.2	0.11					
17816	ENSG00000233607		18363.8	0.11					
17820	ENSG00000251189		18364.7	0.11					
17827	ENSG00000236885		18371	0.11					
17838	ENSG00000236919		18376.8	0.11					
17838	ENSG00000228940		18379.7	0.11					
17842	ENSG00000226548		18382.2	0.11					
17854	ENSG00000205694		18388	0.11					
17855	ENSG00000272102		18389.6	0.11					
17861	ENSG000002056262		18392	0.11					
17874	ENSG00000241677		18399.6	0.11					
17878	ENSG00000205221		18403.1	0.11					
17882	ENSG00000227186		18404.8	0.11					
17887	ENSG00000226141		18408.6	0.11					
17890	ENSG00000203375		18409.6	0.11					
17899	ENSG000002087147		18422.8	0.11					
17901	ENSG00000247324		18422.4	0.11					
17908	ENSG00000245104		18425.4	0.11					
17910	ENSG000002068204		18426.8	0.11					
17919	ENSG00000219719		18432.3	0.11					
17922	ENSG00000245332		18432.9	0.11					
17923	ENSG00000237543		18433.8	0.11					
17928	ENSG00000225722		18437.1	0.11					
17941	ENSG00000202623		18448.7	0.11					
17952	ENSG00000205091		18457.6	0.11					
17957	ENSG00000272733		18459.8	0.11					
17958	ENSG00000201044		18460.5	0.11					
17960	ENSG00000202890		18462.1	0.11					
17963	ENSG00000241744		18463.8	0.11					
17968	ENSG00000202545		18469.3	0.11					
17972	ENSG00000237919		18472.6	0.11					
17988	ENSG00000271275		18486.7	0.11					
18003	ENSG00000234533		18488.6	0.11					
18014	ENSG00000205356		18504.8	0.11					

18025	ENSG00000296568	18519.3	0.11					
18026	ENSG00000216031	18522.3	0.11					
18030	ENSG00000289548	18523.1	0.11					
18031	ENSG00000256321	18524.9	0.11					
18041	ENSG00000296128	18533.5	0.11					
18052	ENSG00000232745	18536.1	0.11					
18055	ENSG00000240023	18540.1	0.11					
18065	ENSG00000248560	18548.6	0.11					
18067	ENSG00000284971	18549.4	0.11					
18068	ENSG00000242822	18549.8	0.11	2	95689292	95689588		RNA, 7SL, cytoplasmic 575, pseudogene
18080	ENSG00000242886	18561.4	0.11					
18086	ENSG00000252188	18562.2	0.11					
18090	ENSG00000253332	18566.9	0.11					
18105	ENSG00000229861	18581.3	0.11					
18112	ENSG00000202377	18584.2	0.11					
18122	ENSG000002030947	18592.2	0.11					
18123	ENSG00000225415	18592.6	0.11					
18128	ENSG00000237910	18596	0.11					
18129	ENSG00000272324	18600.2	0.11					
18136	ENSG00000240919	18607.2	0.11					
18138	ENSG00000249688	18607.3	0.11					
18148	ENSG00000208408	18618.9	0.11					
18153	ENSG00000204038	18620.8	0.11	10	82009496	82013395		Uncharacterized protein; cDNA FLH4261 fl. clone TEST14025062
18160	ENSG00000205997	18627.4	0.11	12	1116501	1116792		RNA, 7SL, cytoplasmic 852, pseudogene
18166	ENSG00000258036	18632.1	0.11					
18173	ENSG00000175558	18639.7	0.11					
18177	ENSG00000208493	18641.5	0.11	18	939583	9396217		RNA, 7SL, cytoplasmic 84, pseudogene
18179	ENSG00000272784	18647.9	0.11					
18180	ENSG00000208706	18648.2	0.11	10	111784012	111784315		RNA, 7SL, cytoplasmic 450, pseudogene
18191	ENSG00000208653	18656.3	0.11					
18197	ENSG000002087069	18658.3	0.11					
18205	ENSG00000212057	18664.1	0.11					
18221	ENSG00000201462	18673	0.11					
18223	ENSG00000207424	18673.3	0.11					
18225	ENSG00000204824	18675.3	0.11					
18233	ENSG000002021810	18684.4	0.11					
18254	ENSG00000200798	18694.5	0.11					
18256	ENSG00000208313	18694.7	0.11					
18262	ENSG00000201948	18699.3	0.11					
18263	ENSG00000255219	18700.8	0.11					
18284	ENSG000002024000	18700.9	0.11					
18271	ENSG00000208688	18705	0.11					
18278	ENSG00000255950	18712.8	0.11					
18280	ENSG00000258304	18713	0.11					
18286	ENSG00000208500	18720.6	0.11					
18287	ENSG00000208137	18720.6	0.11					
18291	ENSG00000235601	18722.8	0.11					
18295	ENSG00000208578	18723.3	0.11					
18300	ENSG00000205102	18725.2	0.11					
18303	ENSG00000238952	18727.2	0.11					
18306	ENSG000002054689	18729.4	0.11					
18307	ENSG00000207711	18729.9	0.11					
18309	ENSG00000224629	18731.4	0.11					
18312	ENSG00000232763	18734.3	0.11					
18328	ENSG00000202294	18745.6	0.11					
18348	ENSG000002054871	18762.2	0.11					
18348	ENSG00000204138	18763.3	0.11					
18355	ENSG00000201888	18771	0.11					
18356	ENSG00000270232	18771.7	0.11					
18357	ENSG000002087196	18771.7	0.11					
18359	ENSG00000204898	18773.5	0.11					
18360	ENSG000002038463	18773.8	0.11	13	95862598	95862702		Small nuclear RNA U13
18362	ENSG000002041840	18775.1	0.11					
18373	ENSG000002021810	18781.6	0.11					
18389	ENSG000002054935	18792.6	0.11					
18391	ENSG000002040006	18794.9	0.11					
18392	ENSG00000204396	18796.6	0.11					
18394	ENSG000002054755	18796.7	0.11					
18395	ENSG000002023795	18798.6	0.11					
18397	ENSG000002021031	18799.4	0.11					
18398	ENSG000002026014	18799.5	0.11					
18401	ENSG00000204558	18802.4	0.11					
18403	ENSG00000208677	18804.5	0.11					
18408	ENSG00000203395	18806.8	0.11					
18411	ENSG000002089483	18810.9	0.11					
18415	ENSG00000205668	18813.5	0.11					
18419	ENSG00000202986	18818.6	0.11					
18422	ENSG00000204539	18820.2	0.11					
18423	ENSG000002021533	18820.7	0.11					
18425	ENSG00000237450	18821.5	0.11					
18483	ENSG000002027872	18848.6	0.11					
18485	ENSG000002056877	18848.3	0.11					
18479	ENSG000002028322	18860.6	0.11					
18485	ENSG000002058446	18862.1	0.11					
18487	ENSG000002047771	18863.5	0.11					
18492	ENSG000002037663	18865.5	0.11					
18495	ENSG000002086183	18868.4	0.11					
18508	ENSG000002046593	18875.4	0.11					
18510	ENSG00000204314	18879.2	0.11					
18517	ENSG00000222318	18884.7	0.11					
18525	ENSG00000204548	18892.4	0.11					
18526	ENSG00000204010	18892.5	0.11					
18530	ENSG00000208598	18894.7	0.11					
18531	ENSG000002082263	18895.8	0.11					
18538	ENSG00000205301	18905.8	0.11					
18558	ENSG0000020146722	18914.2	0.11					
18566	ENSG000002043307	18918.9	0.11					
18570	ENSG00000204932	18922.3	0.11					
18572	ENSG000002058857	18923.3	0.11					
18576	ENSG000002071755	18926.7	0.11					
18583	ENSG000002056481	18929.3	0.11					
18592	ENSG000002057738	18936.3	0.11					
18593	ENSG00000202884	18937.1	0.11					
18596	ENSG00000204992	18938.3	0.11					
18610	ENSG000002035629	18954.1	0.11					
18614	ENSG000002082933	18957.5	0.11					
18616	ENSG00000205085	18960	0.11					
18635	ENSG000002032650	18972.5	0.11					
18643	ENSG00000208947	18975.4	0.11					
18648	ENSG00000203263	18977.8	0.11					
18651	ENSG000002087408	18978.5	0.11					
18659	ENSG00000208859	18988.1	0.11					
18667	ENSG00000205664	18995.6	0.11					
18672	ENSG000002024471	18997.4	0.11					
18691	ENSG000002048807	19010.3	0.11					
18704	ENSG000002028811	19016.3	0.11					
18706	ENSG000002087004	19019.4	0.11					
18707	ENSG000002024792	19020.6	0.11					
18717	ENSG000002034868	19030.3	0.11					
18721	ENSG00000205910	19032.3	0.11					
18729	ENSG000002083624	19038.2	0.11					
18738	ENSG00000208591	19046.8	0.11	12	131514221	131514789		Uncharacterized protein
18753	ENSG000002019410	19061	0.11					
18758	ENSG000002032446	19063.8	0.11					
18776	ENSG000002085913	19071.6	0.11					
18777	ENSG00000237328	19078	0.11					
18779	ENSG000002053865	19079.6	0.11					
18794	ENSG000002044358	19086.1	0.11					
18798	ENSG000002046451	19087.8	0.11					
18805	ENSG000002038462	19096.8	0.11					
18815	ENSG00000201593	19103.9	0.11					
18824	ENSG00000208932	19112	0.11	20	25207122	25207370		HCG2018896; Uncharacterized protein
18832	ENSG000002088401	19117.6	0.11					
18843	ENSG000002087111	19132.7	0.11					
18846	ENSG000002020295	19138.8	0.11					
18854	ENSG000002050872	19143.9	0.11					
18856	ENSG000002082963	19145.7	0.11					
18860	ENSG000002057147	19146.4	0.11					
18871	ENSG000002033523	19153.5	0.11					
18880	ENSG00000182376	19161.3	0.11					
18884	ENSG00000205669	19171.9	0.11					
18887	ENSG00000208856	19176.7	0.11					
18903	ENSG000002028180	19183.6	0.11					
18915	ENSG00000202570	19195.3	0.11					
18923	ENSG00000203209	19202.3	0.11					
18927	ENSG000002084747	19209.9	0.11					
18930	ENSG000002046431	19212.6	0.11	X	153724534	153724819		RNA, 7SL, cytoplasmic 742, pseudogene
18936	ENSG000002026147	19217.6	0.11					
18946	ENSG000002089935	19224.9	0.11					
18968	ENSG000002042568	19240.5	0.11					
18981	ENSG000002071218	19252.7	0.11					

17620	ENSG0000023396	RPS10P7	18215	7	0.1	incRNA	1	201487831	201499602		ribosomal protein S10 pseudogene 7
17638	ENSG0000021151	MIR1217	19278	17	0.1	miRNA	17	41153268	41153268		miR1217
18000	ENSG00000211742	LINC02062	19558	2	0.1	incRNA	16	65118402	65118403		long intergenic non-protein coding RNA 922
18445	ENSG00000202142	FAM230C	18834	9	0.1	incRNA	22	21652729	21679331		family with sequence similarity 230, member C
18803	ENSG00000229719	MIR194-2	19011	3	0.1	miRNA	11	52928827	52928827		miR194-2
18709	ENSG00000204950	OTX2-AS1	19251	4	0.1	incRNA	14	5791261	5791261		OTX2 antisense RNA 1 (head to head)
18995	ENSG00000253279	FAM183CP	19285	8	0.1	incRNA	8	29779029	29811240		family with sequence similarity 183, member C, pseudogene
19306	ENSG00000204041	LINC01011	19513	5	0.1	incRNA	6	2966201	29614407		long intergenic non-protein coding RNA 1011
19386	ENSG00000205163	LINC00818	19589	4	0.1	incRNA	14	37489916	37411731		long intergenic non-protein coding RNA 618
19445	ENSG00000257585	LINC00069	19596	2	0.1	incRNA	14	36539633	36534944		long intergenic non-protein coding RNA 609
19476	ENSG00000299891	LINC00559	19563	7	0.1	incRNA	13	11445203	11446541		long intergenic non-protein coding RNA 567
19489	ENSG00000227874	LINC00559	19576	1	0.1	incRNA	15	8071296	8071297		long intergenic non-protein coding RNA 559
19731	ENSG00000249378	LINC01060	19818	1	0.1	incRNA	4	18622180	18622205		long intergenic non-protein coding RNA 1060
19900	ENSG00000202455	CASC14	19971	0.1	incRNA	6	22135186	22135222		cancer susceptibility candidate 14 (non-protein coding)	
19968	ENSG000002023977	LINC020327	20035	2	0.1	incRNA	13	2400710	24081603		long intergenic non-protein coding RNA 327
20085	ENSG00000249352	RP11-141011.2	20090	6	0.1	incRNA	5	6826296	6825292		75K RNA
20086	ENSG00000202565		20091	9	0.1	incRNA	9	3368093	3365099		
20792	ENSG00000206388		20641	8	0.1	incRNA	13	48504290	48506757		cytochrome P450, family 4, subfamily F, polypeptide 26, pseudogene
20840	ENSG00000201309	LINC03077	20676	1	0.1	incRNA	6	105384109	105388402		long intergenic non-protein coding RNA 577
20854	ENSG00000202973	DPH6-AS1	20993	1	0.1	incRNA	15	3561309	3511202		DPH6 antisense RNA 1 (head to head)
20861	ENSG00000203373		20680	2	0.1	incRNA	2	5854934	59290001		long intergenic non-protein coding RNA 1122
21088	ENSG00000229558	SACS-AS1	20658	7	0.1	incRNA	13	23993110	24020218		SACS antisense RNA 1
21290	ENSG00000210786	LINC02077	21028	6	0.1	incRNA	15	6928296	6928360		long intergenic non-protein coding RNA 277
6542	ENSG000002021463	MIR1277	9341	1	0.1	miRNA	X	117520357	117520344		miR1277
7027	ENSG00000202770	MIR958	9800	0.1	miRNA	3	14035222	14035418		miR958	
7297	ENSG00000202596	MIR9421	10041	0.1	miRNA	1	7438267	7438266		miR9421	
13363	ENSG00000207624	MIR194-1	14892	6	0.1	miRNA	1	22021489	22021883		miR194-1
18184	ENSG000002027833	MIR505	16397	0.1	miRNA	X	13903607	13903690		miR505	
18998	ENSG00000211767	MIR1307	17133	5	0.1	miRNA	19	1812265	1812265		miR1307
17150	ENSG000002027780	MIR648	17897	2	0.1	miRNA	22	18463634	18463727		miR648
17606	ENSG00000204872	MIR4286	18205	9	0.1	miRNA	10	12871352	12872139		miR4286
17796	ENSG00000205520	MIR548V	18549	8	0.1	miRNA	8	1753169	1753169		miR548V
18006	ENSG00000205135	MIR5687	18573	6	0.1	miRNA	5	54804678	54804754		miR5687
18303	ENSG00000203389	MIR3973	18775	5	0.1	miRNA	11	36011648	36013754		miR3973
18547	ENSG00000204568	MIR6334	19033	22	0.1	miRNA	22	38336460	38336460		miR6334
18677	ENSG00000203409	MIR4747	19001	3	0.1	miRNA	19	4932999	4932972		miR4747
18884	ENSG000002027773	MIR842A	19163	3	0.1	miRNA	19	48178186	48178282		miR842a
19020	ENSG000002037843	MIR834	19481	17	0.1	miRNA	17	4471536	4471536		miR834
19343	ENSG00000205395	MIR3944	19527	3	0.1	miRNA	10	135185000	135185107		miR3944
19417	ENSG00000204802	MIR5181	19874	4	0.1	miRNA	1	20188836	20188785		miR5181
19594	ENSG00000204554	MIR3154	19920	2	0.1	miRNA	15	1873876	1873876		miR3154
20161	ENSG000002021952	MIR1303	20144	4	0.1	miRNA	5	15409338	15409421		miR1303
20199	ENSG000002015930	MIR942	20182	0.1	miRNA	1	117837265	117837350		miR942	
5420	ENSG00000206048		8156	0.1	misc. RNA	2	12064821	12064933		RNA, R-associated	
5447	ENSG00000199788		8158	0.1	misc. RNA	3	4969693	4969693		RNA, R-associated	
6930	ENSG000002020953		9327	0.1	misc. RNA	12	5150681	5150670		Y RNA	
6074	ENSG00000206062		12099	1	0.1	misc. RNA	18	8199524	8199528		75K RNA
10850	ENSG00000202096		13000	0.1	misc. RNA	16	47748446	47748444		Y RNA	
12090	ENSG00000202250		14048	4	0.1	misc. RNA	2	69651732	69651824		Y RNA
10882	ENSG00000204113		14451	0.1	misc. RNA	2	15222937	15222798		RNA, 75S, cytoplasmic 124, pseudogene	
13316	ENSG00000204331		14934	0.1	misc. RNA	2	42741617	42741617		RNA, 75S, cytoplasmic 145, pseudogene	
14134	ENSG00000202204		15665	4	0.1	misc. RNA	18	43656970	43657065		Y RNA
14532	ENSG000002026781		15859	0.1	misc. RNA	3	64737329	64737442		Y RNA	
14720	ENSG00000202534		16620	0.1	misc. RNA	11	58626311	58626207		Y RNA	
16616	ENSG00000204389		16755	4	0.1	misc. RNA	1	70645229	70646123		RNA, 75S, cytoplasmic 242, pseudogene
16314	ENSG000002026728		17252	3	0.1	misc. RNA	3	23315298	23315401		Y RNA
17252	ENSG00000202648		18211	0.1	misc. RNA	3	10312924	10312924		RNA, 75S, cytoplasmic 85, pseudogene	
16365	ENSG00000202979		18225	0.1	misc. RNA	10	105432916	105433023		Y RNA	
17748	ENSG000002038910		18325	0.1	misc. RNA	14	74641159	74641454		RNA, 75S, cytoplasmic 530, pseudogene	
18023	ENSG00000202979		18517	0.1	misc. RNA	4	11434998	11434130		RNA, 75S, cytoplasmic 184, pseudogene	
18278	ENSG00000202452		18940	2	0.1	misc. RNA	16	7389597	7389597		Y RNA
18816	ENSG000002022503		19104	6	0.1	misc. RNA	10	105432916	105433023		Y RNA
18911	ENSG000002027512		19188	5	0.1	misc. RNA	3	38549971	38547102		Y RNA
19011	ENSG00000202025		19208	3	0.1	misc. RNA	3	10184768	10184768		RNA, 75S, cytoplasmic 74, pseudogene
19058	ENSG00000202497		19319	9	0.1	misc. RNA	4	186631027	186631121		Y RNA
19099	ENSG000002041420		19320	3	0.1	misc. RNA	7	33085412	33085702		RNA, 75S, cytoplasmic 505, pseudogene
19178	ENSG000002021862		19401	1	0.1	misc. RNA	7	4291786	4291786		RNA, 75S, cytoplasmic 174, pseudogene
19185	ENSG000002040317		19402	1	0.1	misc. RNA	2	219967156	219967374		RNA, 75S, cytoplasmic 764, pseudogene
19300	ENSG000002040823		19489	9	0.1	misc. RNA	11	61211802	61211899		RNA, 75S, cytoplasmic 23, pseudogene
19312	ENSG00000203784		19500	2	0.1	misc. RNA	12	6266288	6266288		RNA, 75S, cytoplasmic 7, pseudogene
19562	ENSG000002043702		19710	4	0.1	misc. RNA	20	18572974	18573261		RNA, 75S, cytoplasmic 638, pseudogene
19746	ENSG000002020874		19828	6	0.1	misc. RNA	7	75142349	75142450		Y RNA
19832	ENSG00000202014		19842	2	0.1	misc. RNA	4	14871877	14871877		RNA, 75S, cytoplasmic 254, pseudogene
19953	ENSG000002043373		19991	9	0.1	misc. RNA	6	15885829	15885918		RNA, 75S, cytoplasmic 173, pseudogene
19977	ENSG000002027009		20011	8	0.1	misc. RNA	4	1888547	1888256		Y RNA
19978	ENSG00000202018		20012	0.1	misc. RNA	2	2341786	2341786		Y RNA	
20139	ENSG000002021246		20126	6	0.1	misc. RNA	12	5442975	5443086		Melanomagenesis associated parvulin RNA
20332	ENSG000002026790		20285	8	0.1	misc. RNA	12	100851466	100851568		Y RNA
19201	ENSG00000201978		20431	14	0.1	misc. RNA	14	2333787	2333787		Y RNA
7883	ENSG000002023822		10547	3	0.1	processed pseudogene	X	40965738	40965258		malonin ring finger protein 4, pseudogene
8633	ENSG000002027773		11191	1	0.1	processed pseudogene	12	10649975	10647104		suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 3
11203	ENSG000002022734		13992	2	0.1	processed pseudogene	1	1399284	1399284		heterogeneous nuclear ribonucleoprotein X, pseudogene 2
9528	ENSG00000118990		11972	7	0.1	processed pseudogene	5	161178454	161178774		glutathione (S-transferase) pseudogene 3
10076	ENSG000002014199		12407	0.1	processed pseudogene	2	10731787	10731512		eukaryotic translation elongation factor 1 alpha 1 pseudogene 12	
11203	ENSG00000204929		13180	0.1	processed pseudogene	5	1729637	1729662		SUD5 pseudogene 1	
11909	ENSG00000202915		13917	3	0.1	processed pseudogene	2	15347329	15347329		developmental polycomb associated 2 pseudogene 1
12327	ENSG000002049274		14225	8	0.1	processed pseudogene	3	8851032	8852037		POZ and LIM domain 1 pseudogene 4
14472	ENSG000002015277		15635	0.1	processed pseudogene	10	10495311	10493961		MALDIK-1 pseudogene 1	
14881	ENSG00000208490		16611	0.1	processed pseudogene	8	42027403	42027403		pleckstrin homology containing, family A, member 3 pseudogene 1	
15638	ENSG000002019074		16739	1	0.1	processed pseudogene	6	5306158	5306157		superoxide dismutase 1, soluble pseudogene 1
15721	ENSG00000205014		16850	0.1	processed pseudogene	11	8036478	8036952		ADP-ribosylation factor 6 interacting protein	

19196	ENSG00000237849	19659	0.1	processed_pseudogene	13	64559584	64559585	nuclear transcription factor Y, alpha pseudogene 1	
19200	ENSG00000239529	19659	0.1	processed_pseudogene	2	12361377	12361377	GRAM domain containing 4 pseudogene 2	
19221	ENSG00000236101	19432	0.1	processed_pseudogene	1	234162597	234162597	ras-related C3orf100 nuclear substrate 1 pseudogene 7	
19239	ENSG00000268030	19448	0.1	processed_pseudogene	8	94241867	94241867	Ubrachinectin protein	
19243	ENSG00000229554	19462	0.1	processed_pseudogene	X	102641741	102643115	MT-ND2 pseudogene 2	
19251	ENSG00000231564	19455	0.1	processed_pseudogene	4	179170403	179170391	eukaryotic translation initiation factor A1 pseudogene 11	
19270	ENSG00000242983	19467	0.1	processed_pseudogene	3	54081776	54082620	calcium binding tyrosine (Y)-phosphorylation regulated pseudogene 1	
19290	ENSG00000225520	19462	0.1	processed_pseudogene	4	127454965	127454961	DNA binding motif protein 40 pseudogene 1	
19330	ENSG00000209085	19530	0.1	processed_pseudogene	16	48932012	48932012	ADAM metalloprotease domain 38 (pseudogene)	
19352	ENSG00000217482	19532	0.1	processed_pseudogene	6	135957204	135957851	high mobility group box 1 pseudogene 17	
19360	ENSG00000181999	19534	0.1	processed_pseudogene	2	53891595	53891592	heterogeneous nuclear ribonucleoprotein A1 pseudogene 6.1	
19365	ENSG00000232585	19539	0.1	processed_pseudogene	2	141101695	141101695	ribosomal protein S2 pseudogene 28	
19477	ENSG00000234109	19624	0.1	processed_pseudogene	10	100807396	100809776	ribosomal protein L7 pseudogene 36	
19478	ENSG00000227339	19624	0.1	processed_pseudogene	3	31484324	31487389	thyroid hormone receptor associated protein 3 pseudogene 1	
19528	ENSG00000235115	19559	0.1	processed_pseudogene	19	32659767	32659645	interferon-induced protein with tetrapeptide repeats 1 pseudogene 1	
19588	ENSG00000238199	19705	0.1	processed_pseudogene	1	11338673	11339408	ubiquitin-conjugating enzyme E2 variant 2 pseudogene 3	
19590	ENSG00000231376	19710	0.1	processed_pseudogene	9	15588353	15588613	high mobility group nucleosomal binding domain 2 pseudogene 16	
19600	ENSG00000240266	19717	0.1	processed_pseudogene	2	210043569	210043742	MY31/E4-associated factor 3 pseudogene 1	
19634	ENSG00000243720	19737	0.1	processed_pseudogene	18	3406834	3406816	ribosomal protein L21 pseudogene 127	
19637	ENSG00000230157	19739	0.1	processed_pseudogene	14	106003198	106003676	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) pseudogene 1	
19639	ENSG00000230701	19740	0.1	processed_pseudogene	22	23605323	23605641	F-box and WD repeat domain containing 4 pseudogene 1	
19721	ENSG00000232656	19807	0.1	processed_pseudogene	1	100163788	100164734	high mobility group box 3 pseudogene 10	
19751	ENSG00000231937	19835	0.1	processed_pseudogene	6	43331317	43331367	ribosomal protein S2 pseudogene 28	
19776	ENSG00000258466	19848	0.1	processed_pseudogene	15	62374849	62375504	nucleophosmin 1 (nucleolar phosphoprotein B23, numatin) pseudogene 47	
19800	ENSG00000232683	19874	0.1	processed_pseudogene	3	38559539	38557321	D-dipicoline tautomerase pseudogene 1	
19810	ENSG00000235218	19879	0.1	processed_pseudogene	12	65812611	65812607	keratin 18 pseudogene 60	
19848	ENSG00000213844	19909	0.1	processed_pseudogene	3	11275842	11276268	coiled-coil-helix-coiled-coil-helix domain containing 4 pseudogene 4	
19854	ENSG00000208781	19912	0.1	processed_pseudogene	17	42308128	42307596	SHC (Src homology domain containing) transforming protein 1 pseudogene 2	
19864	ENSG00000243968	19967	0.1	processed_pseudogene	5	40067573	40067302	keratin 18 pseudogene 48	
19915	ENSG00000243968	19967	0.1	processed_pseudogene	5	40067573	40067302	keratin 18 pseudogene 56	
19962	ENSG00000232425	19997	0.1	processed_pseudogene	11	10327869	103297104	MT-ND1 pseudogene 36	
19978	ENSG00000232523	20019	0.1	processed_pseudogene	9	44448107	44448107	LOC1002852 protein: Uncharacterized protein	
19984	ENSG00000232470	20016	0.1	processed_pseudogene	X	45811197	45811197	mediator complex subunit 28 pseudogene 2	
20005	ENSG00000241622	20032	0.1	processed_pseudogene	3	7570785	7570876	retinoic acid receptor responder (zabromycin induced) 2 pseudogene 1	
20020	ENSG00000230528	20033	0.1	processed_pseudogene	3	38433059	38433171	ribosomal protein L31 pseudogene 20	
20040	ENSG00000229756	20051	0.1	processed_pseudogene	3	24472739	24472598	ribosomal protein L31 pseudogene 20	
20106	ENSG00000230256	20109	0.1	processed_pseudogene	X	102084870	102096237	MT-ND4 pseudogene 32	
20150	ENSG00000230568	20149	0.1	processed_pseudogene	11	103213469	103213469	MT-ND2 pseudogene 23	
20281	ENSG00000229048	20257	0.1	processed_pseudogene	21	33078866	33079177	high mobility group nucleosomal binding domain 1 pseudogene 2	
20346	ENSG00000230816	20259	0.1	processed_pseudogene	5	17202383	17202354	DOB1 and CLK4 associated factor 13 pseudogene 2	
20371	ENSG00000230816	20261	0.1	processed_pseudogene	6	15888117	15888117	transferrin 1 pseudogene 2	
20497	ENSG00000269849	20424	0.1	processed_pseudogene	18	56357598	56358195	mitochondrial ribosomal protein L37 pseudogene 1	
20512	ENSG00000214781	20430	0.1	processed_pseudogene	9	12837348	128378907	heterogeneous nuclear ribonucleoprotein A1 pseudogene 16	
20511	ENSG00000226520	20430	0.1	processed_pseudogene	9	14055577	14055939	Proteasome- β 1: Uncharacterized protein	
20522	ENSG00000219524	20514	0.1	processed_pseudogene	6	7891216	7891216	phosphotyrosine phosphatase kinase, type 1 pseudogene 1	
20537	ENSG00000228738	20525	0.1	processed_pseudogene	3	14158349	14158411	high mobility group nucleosomal binding domain 2 pseudogene 25	
20710	ENSG00000244494	20572	0.1	processed_pseudogene	1	8196124	8196230	heterogeneous nuclear ribonucleoprotein A3 pseudogene 14	
20750	ENSG00000244531	20595	0.1	processed_pseudogene	9	19383215	19383215	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3 pseudogene 3	
20784	ENSG00000214875	20636	0.1	processed_pseudogene	10	70754663	70754663	mediator complex subunit 28 pseudogene 1	
20832	ENSG00000229592	20675	0.1	processed_pseudogene	A	136142078	136144401	zinc finger 1-Y1E domain containing 1 pseudogene 1	
20836	ENSG00000276966	20676	0.1	processed_pseudogene	12	62624084	62624084	glutathione transferase $\alpha 1$ pseudogene 1	
20848	ENSG00000224421	20785	0.1	processed_pseudogene	21	37811176	37811176	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2-like pseudogene	
20997	ENSG00000215283	20795	0.1	processed_pseudogene	9	36303496	36304021	high mobility group box 3 pseudogene 24	
21006	ENSG00000226411	20817	0.1	processed_pseudogene	6	35652892	35652892	heterogeneous nuclear ribonucleoprotein A1 pseudogene 45	
21075	ENSG00000237446	20850	0.1	processed_pseudogene	11	18502969	18502969	Ras-homology enriched in brain pseudogene 3	
19074	ENSG00000179392	19121	0.1	processed_transcript	9	152082295	152087184	zinc finger 1-Y1E domain containing frame 106	
19245	ENSG00000231746	19245	0.1	processed_transcript	12	124868915	124868915	TTLL1 intron transcript 1 (non-protein coding)	
19341	ENSG00000231419	19341	0.1	processed_transcript	7	158789123	158789123	long intergenic non-protein coding RNA 689	
20058	ENSG00000232440	20058	0.1	processed_transcript	10	10989621	109894197	long intergenic non-protein coding RNA 710	
20276	ENSG00000232440	20058	0.1	processed_transcript	10	10989621	109894197	long intergenic non-protein coding RNA 710	
1810	ENSG00000133742	CA1	0.1	protein_coding	8	86238837	86231243	carbonic anhydrase 1	
2136	ENSG0000164822	DEFAB	3339	0.1	protein_coding	8	6782517	6782517	defensin, alpha D, Paneth cell-specific
3024	ENSG0000164143	RNASEB	2203	0.1	protein_coding	14	21941018	21941018	ribonuclease H2A family 48
3798	ENSG0000198692	EIF-1A1	5975	0.1	protein_coding	Y	22737611	22755400	eukaryotic translation initiation factor 1A, Y-linked
4324	ENSG0000177191	B3GNT8	6713	0.1	protein_coding	19	41912524	41904435	UDP-GlcNAc 6-epimerase 1, 3-N-acetylglucosaminyltransferase 8
4520	ENSG00000200173	CD7B	7003	0.1	protein_coding	6	62001419	62001419	CD7B-associated beta
4619	ENSG0000100079	MS4A4A	7123	0.1	protein_coding	11	60048014	60076445	membrane-spanning 4-domains, subfamily A, member 4A
4628	ENSG00001052329	TGFBI	7134	0.1	protein_coding	19	41807492	41808816	transforming growth factor, beta 1
4644	ENSG00000204632	HLA-C	7207	0.1	protein_coding	4	2978414	2978414	major histocompatibility complex, class I, C
4689	ENSG0000108431	FCAR	7227	0.1	protein_coding	19	5535704	5501838	Fc fragment of IgA ₁ receptor for rheumatoid factor
4825	ENSG00001030432	APOL1	7413	0.1	protein_coding	6	36649056	36649376	lipoprotein L1
4859	ENSG0000103810	TNFAIP8	7427	0.1	protein_coding	12	5522128	5522128	humor necrotizing alpha-induced protein 8
5046	ENSG00000228979	LTA	7704	0.1	protein_coding	6	3153881	31542101	lymphotxin alpha
5077	ENSG0000101104	FAM117A	7740	0.1	protein_coding	17	47787894	47886542	family with sequence similarity 117, member A
5124	ENSG00000219922	RNASEH1	7808	0.1	protein_coding	10	8008814	8008814	interferon-induced protein with tetrapeptide repeats 2
5363	ENSG0000144905	OSBP1L	8082	0.1	protein_coding	3	125247702	125213934	oxysterol binding protein-like 11
5406	ENSG0000116514	RNF198	8141	0.1	protein_coding	1	33402045	33402046	ring finger protein 198
5427	ENSG00001030118	PI3R2	8162	0.1	protein_coding	17	16288132	16288132	inositol 3-OH transferase 2
5469	ENSG0000141553	ARPC4	8208	0.1	protein_coding	3	9834719	984410	actin related protein 2/3 complex, subunit 4, 20kDa
5539	ENSG00001078173	LAR1	8274	0.1	protein_coding	3	49456362	49456105	leukocyte-associated immunoglobulin-like receptor 1
5562	ENSG0000103296	GABRA1	8287	0.1	protein_coding	17	7143107	7143107	GABA(A) receptor-associated protein 17
5638	ENSG00000252027	ITGB3	8396	0.1	protein_coding	17	4531212	4541658	integrin, beta 3 (platelet glycoprotein IIb, antigen CD61)
5668	ENSG0000073849	ITGAL1	8430	0.1	protein_coding	3	18664274	18679341	ST6 beta-galactosidase alpha-2,6-sialyltransferase 1
5721	ENSG0000111522	PTGER4	8476	0.1	protein_coding	5	46017600	46018367	prostaglandin H receptor 4 (subtype EP4)
5767	ENSG00001011461	RNF29	8524	0.1	protein_coding	8	13603605	13603605	RAF3, member of RAS oncogene family
5803	ENSG00001081087	OSTM1	8571	0.1	protein_coding	6	10836213	10848708	osteopontin associated transmembrane protein 1
5815	ENSG00000212592	MKVI1	8582	0.1	protein_coding	11	10594068	10594068	mouse retrovirus integration site 1 homolog
5880	ENSG00000200791	SLAMF7	8606	0.1	protein_coding	17	18079037	180724611	SLAMF7 family member 7
5915	ENSG0000186927	ZNF816	8663	0.1	protein_coding	19	5346388	53466164	zinc finger protein 816
6008	ENSG0000105267	JFH1	8840	0.1	protein_coding	2	19312598	193117213	interferon inducible with helix-coil domain 1
6086	ENSG0000164874	SYTL5	8863	0.1	protein_coding	12	15901046	15918208	synaptotagmin-like protein 5
6102	ENSG0000111335	OAS2	8891	0.1	protein_coding	12	11344620	11344628	2'-5'-oligoadenylate synthetase 2, B97F10
6113	ENSG0000112208	C6orf92	8892	0.1	protein_coding	24	2470589	24721064	chromosome 6 open reading frame 62
6119	ENSG0000184692	MSH4E	8892	0.1	protein_coding	16	11762702	11773610	transferrin
6302	ENSG00000214787	MSH4E	9089	0.1	protein_coding	11	59989728	60105861	membrane-spanning 4-domains, subfamily A, member 4E
6304	ENSG00000232183	UBA2	9095	0.1	protein_coding	19	18662540	18668380	ubiquitin A-N2 reductase/ubiquitin protein ligation product 1
6349	ENSG0000021218	MARCK2	9097	0.1	protein_coding	9	63601491	63601491	MAPK-related effector-regulating kinase 2
6355	ENSG00000217423	TLR10	9336	0.1	protein_coding	4	38773860	38784411	Toll-like receptor 10
6387	ENSG00000212359	ANKA11	9372	0.1	protein_coding	10	81910445	81965328	

9069	ENSG00000206513	BLK	11607	0.1	protein_coding	10	10572699	10578991	STE20-like kinase
9121	ENSG00000148420	NFKB2	11612	0.1	protein_coding	3	10154368	10154368	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta
9176	ENSG00000173011	TDAB2B	11668	0.1	protein_coding	4	7043026	705979	transpositional adaptor ZB
9261	ENSG00000100441	KHNYN	11756	0.1	protein_coding	14	2498462	2491040	KH and NYN domain containing
9273	ENSG00000149591	DNAH2	11765	0.1	protein_coding	11	4633458	4662744	disylglycyl kinase, zeta
9275	ENSG00000153113	CWC22	11765	0.1	protein_coding	1	18087603	18087603	CWC22 spliceosome-associated protein homolog (S. cerevisiae)
9353	ENSG00000125551	PLG82	11828	0.1	protein_coding	2	8804766	8805612	plannogram-like B2
9402	ENSG00000126558	RHO1	11837	0.1	protein_coding	17	9048473	9050360	ras homolog family member T1
9482	ENSG00000143265	CRWD1	11838	0.1	protein_coding	3	7343204	7343204	COWI domain containing 5
9564	ENSG00000116747	ATXN7	12077	0.1	protein_coding	3	6386233	6386233	ataxin 7
9571	ENSG00000126052	TROVE2	12052	0.1	protein_coding	1	19368552	19368552	TROVE domain family member 2
9794	ENSG00000143265	CCL10A1	12184	0.1	protein_coding	6	11644780	11644780	chemokine type X, alpha 1
9820	ENSG00000131374	TBC1D5	12278	0.1	protein_coding	3	1719854	1848309	TBC1 domain family member 5
10006	ENSG00000143952	VPS34	12280	0.1	protein_coding	2	6411520	6424206	vesicular protein sorting 34 homolog (S. cerevisiae)
10070	ENSG00000163926	BCL2L1	12426	0.1	protein_coding	11	6475415	6475415	basic leucine zipper transcription factor ATF-like 2
10130	ENSG00000164576	SAP30L	12447	0.1	protein_coding	5	15382517	15384014	SAP30-like
10407	ENSG00000152242	C16orf25	12656	0.1	protein_coding	18	4373319	4384949	chromosome 16 open reading frame 25
10408	ENSG00000200827	RIKLE1	12656	0.1	protein_coding	20	3667919	3667775	static and tandem tyrosine kinase 1, subunit beta
10445	ENSG00000147854	UHRF1	12662	0.1	protein_coding	9	6411515	6507704	ubiquitin-like with PHD and ring finger domains 2, E3 ubiquitin protein ligase
10524	ENSG00000202536	TECPK1	12749	0.1	protein_coding	7	9784306	9788193	lectin-like protein receptor containing 1
10571	ENSG00000133121	USP91	12750	0.1	protein_coding	2	12696814	12696814	UDP-glucose glycoyltransferase 1
10632	ENSG00000183161	FANCF	12831	0.1	protein_coding	11	2264407	2264387	Fanconi anemia, complementation group F
10676	ENSG00000102445	KIAA0226L	12873	0.1	protein_coding	13	4891139	4701225	KIAA0226-like
10681	ENSG00000158552	ZFAND9	12878	0.1	protein_coding	2	22002669	22024713	zinc finger AN1-type domain 2B
10756	ENSG00000115662	LXN1	12849	0.1	protein_coding	2	10670979	10681079	UDP-glucuronate decarboxylase 2
10810	ENSG00000188171	ZNF228	13002	0.1	protein_coding	19	2062267	2044402	zinc finger protein 228
10814	ENSG00000153466	ZFY1	13004	0.1	protein_coding	8	4507093	4507093	chromodomain protein, Y-like
10824	ENSG00000121417	ZNF211	13068	0.1	protein_coding	19	5814761	5814477	zinc finger protein 211
10870	ENSG00000198836	OPAI1	13040	0.1	protein_coding	3	18331093	18341152	optic atrophy 1 (autosomal dominant)
10884	ENSG00000171620	BTAF	13051	0.1	protein_coding	9	5081145	5081145	down-regulator of transcription 1, TBP-and/or TBP-associated cofactor 2
10973	ENSG00000133063	CHIT1	13130	0.1	protein_coding	1	20318155	20324769	chitinase T1 (chitinohydrolase)
11108	ENSG00000006715	VPS41	13224	0.1	protein_coding	7	3872563	3897194	vesicular protein sorting 41 homolog (S. cerevisiae)
11281	ENSG00000102831	C12orf12	13242	0.1	protein_coding	8	8188167	8188167	chromosome 12 open reading frame 12
11178	ENSG00000199911	KPNAS1	13285	0.1	protein_coding	6	11700230	11700329	karyopherin alpha 5 (importin alpha 6)
11187	ENSG00000102886	GDPD3	13263	0.1	protein_coding	16	30116131	30125177	glycerophosphodiester phosphatase domain containing 3
11528	ENSG00000143891	BTAF2	13263	0.1	protein_coding	18	15781064	15781064	arginine transferase class 1, alpha 1
11548	ENSG00000154957	ZNF176	13515	0.1	protein_coding	17	1180756	11800827	zinc finger protein 176
11681	ENSG00000198604	BAZ1A	13706	0.1	protein_coding	14	35221937	35344863	bromodomain adjacent to zinc finger domain, 1A
11684	ENSG00000198584	BTAF1	13802	0.1	protein_coding	18	1088810	1088810	BTAF1 RNA polymerase II B/TIF transcription factor-associated, 170kDa
11881	ENSG00000178163	ZNF518B	13896	0.1	protein_coding	4	1044158	1045034	zinc finger protein 518B
11940	ENSG00000197538	DISC3	13939	0.1	protein_coding	12	3855721	3840282	Down syndrome critical region gene 3
11971	ENSG00000102929	ZNF229	13939	0.1	protein_coding	16	424616	424616	phosphotyrosine kinase, beta
11993	ENSG00000092439	TRPM7	13974	0.1	protein_coding	15	5084470	5097012	transient receptor potential cation channel, subfamily M, member 7
12098	ENSG00000169597	MCCP2	14051	0.1	protein_coding	X	153287024	15328312	methyl CoG binding protein 2 (Reti syndrome)
12100	ENSG00000169573	ADH1B	14051	0.1	protein_coding	15	6596217	6596215	ADH1B gamma subunit
12106	ENSG00000181718	TMEM252	14056	0.1	protein_coding	8	71151468	71155783	transmembrane protein 252
12123	ENSG00000154305	MA3	14071	0.1	protein_coding	1	222781428	222841354	melanoma inhibitory activity family, member 3
12148	ENSG00000189132	FQSD	14090	0.1	protein_coding	2	2562460	25739884	FIVE, RHOGEF and PH domain containing
12158	ENSG00000140020	SLC25A1	14090	0.1	protein_coding	2	24702400	24702400	AT hook contains transcription factor 1
12194	ENSG00000187627	RSPD2	14124	0.1	protein_coding	2	87135076	87141104	RANBP2-like and GRP domain containing 1
12341	ENSG00000138878	USP21	14236	0.1	protein_coding	2	10269917	10269147	ubiquitin specific peptidase 20
12342	ENSG00000198705	ZNF431	14236	0.1	protein_coding	19	21321402	21321402	zinc finger protein 431
12570	ENSG00000153317	ASAP1	14416	0.1	protein_coding	8	13106433	13145006	ARF-GAP with SH3 domain, ankyrin repeat and PH domain 1
12617	ENSG00000094849	RSP1	14444	0.1	protein_coding	11	71731041	71753203	remodeling and spacing factor
12744	ENSG00000102962	MTRF1	14453	0.1	protein_coding	47	41752025	41752025	mitochondrial transfer RNA release factor 1
12863	ENSG00000184939	ZFP90	14629	0.1	protein_coding	16	6856393	6856975	ZFP90 zinc finger protein
12865	ENSG00000188903	CLN3	14629	0.1	protein_coding	16	2847793	2850849	central lipase/neutral 3
12866	ENSG00000102495	SLC37A2	14629	0.1	protein_coding	12	12491263	12491263	solute carrier family 37 (inositol phosphate transporter), member 2
12871	ENSG00000134183	GNAT2	14687	0.1	protein_coding	1	11014889	11015579	guanine nucleotide binding protein (G protein), alpha transducing activity polypeptide 2
13029	ENSG00000184834	MEI21	14736	0.1	protein_coding	X	70334006	70334003	meiotic cohesin subunit 12
13075	ENSG00000184834	ZNF162	14736	0.1	protein_coding	8	12561205	12561205	zinc finger E1B domain containing 6
13079	ENSG00000181827	RFX7	14774	0.1	protein_coding	15	5637478	5635483	regulatory factor X, 7
13117	ENSG00000139437	TCBP	14803	0.1	protein_coding	12	11033669	110421646	trichoplein, keratin filament binding
13181	ENSG00000127899	MTOR	14776	0.1	protein_coding	18	91121152	91121152	mitochondrial transfer RNA elongation factor
13367	ENSG00000197114	ZOPAT	14899	0.1	protein_coding	20	6233817	62367494	zinc finger, CCHC-type with G patch domain
13506	ENSG00000122696	SLC35A1	15103	0.1	protein_coding	9	37819400	37804350	solute carrier family 35, member 1
13540	ENSG00000111431	ANM1	15124	0.1	protein_coding	12	11851241	11851241	antagonist of mitral cell AN1 binding (S. cerevisiae)
13602	ENSG00000075966	DHX8	15172	0.1	protein_coding	17	41561233	41621831	DEAH (Asp-Glu-Ala-His) box polypeptide B
13667	ENSG00000092343	ZNF578	15225	0.1	protein_coding	19	5831199	5837018	zinc finger protein 578
13884	ENSG00000102951	ZNF578	15225	0.1	protein_coding	12	4383446	4383446	zinc finger protein 740
14124	ENSG00000180917	CMT2F	15560	0.1	protein_coding	16	71315262	71326318	cap methyltransferase 2
14191	ENSG00000114827	DCAF17	15614	0.1	protein_coding	2	17229077	17234162	DOB1 and CUL4 associated factor 17
14232	ENSG00000102460	NFKB2	15627	0.1	protein_coding	3	18411789	18411789	nuclear factor kappa B subunit family, member A3
14401	ENSG00000123810	BSD2	15778	0.1	protein_coding	19	41890326	41890778	B5 protein domain 2
14770	ENSG00000180013	PTGR3	16080	0.1	protein_coding	19	47123725	47128375	prostaglandin D2 (prostanoid) receptor (IP)
14791	ENSG00000102815	NMR2	16083	0.1	protein_coding	15	6071768	6071768	NMR2 nuclear regulator 2
14878	ENSG00000152386	ZNF75A	16145	0.1	protein_coding	16	3355406	3358852	zinc finger protein 75a
15037	ENSG00000189821	ANFL	16289	0.1	protein_coding	2	6886493	6886804	apoptin and PNKP like factor
15127	ENSG00000195528	ANFL	16289	0.1	protein_coding	18	5308168	5308168	zinc finger protein 28
15422	ENSG00000173431	RNASEH	16564	0.1	protein_coding	14	2152981	21529814	ribonuclease, RNase A family, 8
15444	ENSG00000134905	CARS2	16665	0.1	protein_coding	14	11269759	11316950	cysteinyl-RNA synthetase 2, mitochondrial (putative)
15572	ENSG00000102962	ANFL	16665	0.1	protein_coding	12	4338117	4338117	mitogen-activated protein kinase kinase 14
15660	ENSG00000173239	LPM	16778	0.1	protein_coding	10	90552487	9059030	spase, family member M
15767	ENSG00000121933	ADORA3	16829	0.1	protein_coding	1	112025970	11210684	adenosine A3 receptor
15813	ENSG00000170949	ZNF160	16812	0.1	protein_coding	19	5306969	5306969	zinc finger protein 160
15843	ENSG00000102815	CYR11	16812	0.1	protein_coding	19	7861208	7862058	G patch domain containing 2-like
15919	ENSG00000133067	LRG6	16856	0.1	protein_coding	1	20216329	20228909	leucine-rich repeat containing G protein-coupled receptor 6
16091	ENSG00000126278	PCLM	17101	0.1	protein_coding	4	4411184	4412138	polymerase (DNA directed), mu
16119	ENSG00000152226	UGT2B9B	17124	0.1	protein_coding	4	70146217	70146218	UDP glucuronosyltransferase 2 family, polypeptide B2B
16130	ENSG00000173335	CST9	17125	0.1	protein_coding	20	23588513	23588513	cytoskeleton (beta-tubulin)
16263	ENSG00000184835	GLT3L1	17224	0.1	protein_coding	20	6566999	6566999	glutamate-glutamine translocase light chain 1
16428	ENSG00000168288	ANFL	17241	0.1	protein_coding	11	13112485	13112486	acyl-CoA oxidase long chain family member 6
16520	ENSG00000162383	SLC1A7	17411	0.1	protein_coding	1	5355285	5356289	solute carrier family 1 (glutamate transporter), member 7
16573	ENSG00000177689	MED14	17451	0.1	protein_coding	8	2969840	3002202	membrane bound O-acyltransferase domain containing 4
16681	ENSG00000171200	ZNF120	17456	0.1	protein_coding	16	33089445	33089445	chromodomain protein, Y-like
16804	ENSG00000189409	MMP23B	17546	0.1	protein_coding	1	1576474	1576398	matrix metalloproteinase Z3B
16804	ENSG00000192217	SETBP1	17648	0.1	protein_coding	18	42260136	42484475	SET binding protein 1

19129	ENSG0000015598	ILTR2	19633	0.1	protein_coding	2	102933433	102964462	interleukin 1 receptor-like 2
19163	ENSG0000015609	C1orf165	19633	0.1	protein_coding	1	51561328	51561332	chromosome 1 open reading frame 185
19189	ENSG00000189127	ANKRD34B	19633	0.1	protein_coding	5	79852574	79865307	ankyrin repeat domain 34B
19211	ENSG00000173000	RFXPA	19633	0.1	protein_coding	10	155911480	155912625	relaxin/insulin-like family peptide receptor 4
19225	ENSG0000029298	LOC101928	19633	0.1	protein_coding	15	40509297	40509307	Uncharacterized protein
19230	ENSG0000015426	LOC101928	19633	0.1	protein_coding	17	78947256	78947260	Uncharacterized protein
19265	ENSG00000146276	GABRR1	19633	0.1	protein_coding	6	89847220	89849097	gamma-aminobutyric acid (GABA) A receptor, rho 1
19299	ENSG00000188868	ZNF903	19633	0.1	protein_coding	19	12428297	12444534	zinc finger protein 903
19334	ENSG0000011380	BCL2L14	19633	0.1	protein_coding	12	12292618	12292618	BCL2-like 14 (apoptosis facilitator)
19338	ENSG00000175711	B3GNTL1	19633	0.1	protein_coding	17	80900031	80900031	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1
19366	ENSG00000248973	STING2	19633	0.1	protein_coding	6	17162489	17173163	stromal derived cell cycle 27
19379	ENSG00000184471	C10orf169	19633	0.1	protein_coding	6	11460095	11460095	Uncharacterized protein
19408	ENSG00000145757	SPATA9	19633	0.1	protein_coding	5	94987885	95034415	Ctq and tumor necrosis factor related protein 8 spermatozeugon associated 9
19499	ENSG00000152011	CAKPL	19633	0.1	protein_coding	5	35044397	35048881	calyphosine-like cytochrome
19524	ENSG00000130427	EPO	19633	0.1	protein_coding	7	100318423	100321323	erythropoietin
19611	ENSG00000171189	GRK1	19723	0.1	protein_coding	21	33092524	33132351	glutamate receptor, ionotropic, kainate 1
19630	ENSG00000204176	SVT15	19735	0.1	protein_coding	10	46954444	46971400	synaptotagmin XV
19678	ENSG00000153363	AMELX	19771	0.1	protein_coding	X	11311333	11318881	amelogenin, X-linked
19709	ENSG00000095837	TL2	19784	0.1	protein_coding	10	98124363	98273875	iodulin-like 2
19726	ENSG00000044897	CDC27	19815	0.1	protein_coding	17	45195099	45206788	cell division cycle 27
19768	ENSG00000244999	LOC101928	19852	0.1	protein_coding	5	17647681	17649024	Uncharacterized protein
19784	ENSG00000165816	VWA2	19853	0.1	protein_coding	10	11599018	11605172	von Willebrand factor A domain containing 2
19815	ENSG00000105549	THEG	19883	0.1	protein_coding	19	361750	370113	the spermated protein
19893	ENSG00000043238	EFCAB1	19912	0.1	protein_coding	8	49823348	49824700	EF-hand calcium binding domain 1
19887	ENSG00000138197	Ctcr25	19938	0.1	protein_coding	7	42948325	42951904	chromosome 7 open reading frame 25
19888	ENSG00000197919	IFNA1	19943	0.1	protein_coding	9	21440440	21441315	interferon, alpha 1
19891	ENSG00000145295	DRD2	19946	0.1	protein_coding	11	413200318	41326413	dopamine receptor 22
19903	ENSG00000125787	GHRH2	19955	0.1	protein_coding	20	3024288	3026383	gonadotropin-releasing hormone 2
19947	ENSG00000188038	NWD1	19988	0.1	protein_coding	19	16838787	16839774	NACHT and WD repeat domain containing 1
19916	ENSG00000107335	PRMT8	19977	0.1	protein_coding	9	3442828	3442828	lysine methyltransferase chain 1
20021	ENSG00000171804	WR57	20043	0.1	protein_coding	8	38375483	38397317	WD repeat domain 87
20024	ENSG00000174227	PIG	20044	0.1	protein_coding	4	492589	533985	phosphatidylinositol glycan anchor biosynthesis, class G
20041	ENSG00000168623	TRPC7	20053	0.1	protein_coding	11	14000210	14000210	transient receptor potential cation channel, subfamily C, member 7
20045	ENSG00000197497	ZNF665	20057	0.1	protein_coding	19	53062458	53066639	zinc finger protein 665
20051	ENSG00000169918	OTUD7A	20063	0.1	protein_coding	15	17373729	17374992	OTU domain containing 7A
20059	ENSG00000152133	PRMT8	20072	0.1	protein_coding	12	3498128	3498128	transient receptor potential cation channel, subfamily C, member 8
20157	ENSG00000144134	RAB2A	20142	0.1	protein_coding	2	11438400	11440073	RAB, member of RAS oncogene family-like 2A
20173	ENSG00000173947	ODF3	20154	0.1	protein_coding	11	196738	202021	outer dense fiber of sperm tails 3
20185	ENSG00000105528	SLC35B8	20156	0.1	protein_coding	17	738127	7386383	solute carrier family 35, member 8B
20210	ENSG00000178997	EXD1	20190	0.1	protein_coding	15	41474923	41522841	exonuclease 5'-5' domain containing 1
20233	ENSG00000089250	NOS1	20209	0.1	protein_coding	12	11784587	11788975	nitric oxide synthase 1 (neuronal)
20271	ENSG00000109919	TRPC7	20257	0.1	protein_coding	8	1355455	1355455	transient receptor potential cation channel, subfamily C, member 7
20300	ENSG00000091538	MYO15A	20287	0.1	protein_coding	17	1801200	1808316	myosin XVa
20306	ENSG00000225236	C3orf83	20270	0.1	protein_coding	3	1256433	12620258	chromosome 3 open reading frame 83
20316	ENSG00000164420	LOC101928	20277	0.1	protein_coding	11	12004268	12006913	glutamate receptor, ionotropic, kainate 4
20320	ENSG00000171608	ZNF274	20287	0.1	protein_coding	11	8673428	8673428	zinc finger protein 274
20368	ENSG00000174038	Ctcf131	20322	0.1	protein_coding	9	35041092	35045988	chromosome 9 open reading frame 131
20376	ENSG00000186599	OTOD	20333	0.1	protein_coding	12	8063230	80772870	otodogin-like 1
20466	ENSG00000204365	C10orf106	20377	0.1	protein_coding	10	29116337	29116337	chromosome 10 open reading frame 126
20488	ENSG00000117400	MPL	20415	0.1	protein_coding	1	43630478	43618443	myeloproliferative leukemia virus oncogene
20510	ENSG00000141665	RFXC7	20429	0.1	protein_coding	18	17140588	17151130	RFX protein 305
20546	ENSG00000169331	RFXP3	20493	0.1	protein_coding	18	33938493	33938493	relaxin/insulin-like family peptide receptor 3
20558	ENSG00000198440	ZNF583	20470	0.1	protein_coding	19	56909335	56947404	zinc finger protein 583
20564	ENSG00000205334	LOC101928	20536	0.1	protein_coding	2	2792893	2793899	Uncharacterized protein
20576	ENSG00000166586	WR16	20536	0.1	protein_coding	8	9470244	9470244	WD repeat domain 16
20771	ENSG00000151006	PRSS53	20623	0.1	protein_coding	13	13054748	13100499	protease, serine, 53
20835	ENSG00000188116	STP42	20716	0.1	protein_coding	4	9810244	98094391	sperm tail PG-rich repeat containing 2
20837	ENSG00000102946	MEDL1	20717	0.1	protein_coding	19	8843274	8843274	medfly-Gli3 binding domain protein 3-like 1
20858	ENSG00000258881	LOC101928	20690	0.1	protein_coding	2	71168448	71222468	Uncharacterized protein
20897	ENSG00000165972	CDC3C8	20717	0.1	protein_coding	12	9620826	9620826	collet-coil domain containing 38
20904	ENSG00000192698	HRS4B	20717	0.1	protein_coding	12	1521786	1521786	chromosome 4B
21030	ENSG00000182450	KCNK4	20815	0.1	protein_coding	11	64058774	64067503	potassium channel, subfamily K, member 4
21038	ENSG00000179397	C1orf101	20817	0.1	protein_coding	1	24461769	24484719	chromosome 1 open reading frame 101
21093	ENSG00000144427	GALNT18	20817	0.1	protein_coding	11	1227180	1227180	UDP-N-acetyl-alpha-D-galactose 4-epimerase/transferase-like 6
21224	ENSG00000162526	TSK3	20973	0.1	protein_coding	9	3281722	32829913	testis-specific serine kinase 3
21247	ENSG00000166704	ZNF406	20991	0.1	protein_coding	19	5844819	58451717	zinc finger protein 406
21293	ENSG00000150020	FAM98B	21052	0.1	protein_coding	13	12291013	12291013	family with sequence similarity 86, member B2
21278	ENSG00000102128	RAB40A	21057	0.1	protein_coding	X	10216200	10219328	RAB40A, member RAS oncogene family-like
21321	ENSG00000148404	TULP2	21050	0.1	protein_coding	19	49384222	49401900	tubby like protein 2
21328	ENSG00000169928	ANK	21055	0.1	protein_coding	9	13566788	13576414	ankyrin-like protein 8
21362	ENSG00000197066	TM2D2	21108	0.1	protein_coding	11	64852451	64858847	transmembrane protein 262
21453	ENSG00000175697	GPR156	21181	0.1	protein_coding	3	119883492	120003941	G protein-coupled receptor 156
21513	ENSG00000191388	ZNF223	21203	0.1	protein_coding	11	4452348	4452348	zinc finger protein 223
21786	ENSG00000178025	C11orf16	21436	0.1	protein_coding	11	884123	885453	chromosome 11 open reading frame 16
21803	ENSG00000186997	GPR61	21430	0.1	protein_coding	1	110082484	110091288	G protein-coupled receptor 61
21932	ENSG00000145428	TMR6B	21527	0.1	protein_coding	11	1583327	1583327	T-cell leukemia invasion and metastasis 2
22327	ENSG00000170940	KCNAB3	21817	0.1	protein_coding	17	7825177	7831211	potassium voltage-gated channel, shaker-related subfamily, beta member 3
14303	ENSG00000202123	LOC101928	15688	0.1	rRNA	15	29868655	29883767	rRNA, 5S ribosomal pseudogene 390
19303	ENSG00000202113	LOC101928	15688	0.1	rRNA	11	14000781	14000781	rRNA, 5S ribosomal pseudogene 247
17230	ENSG00000252942	LOC101928	17841	0.1	rRNA	9	10198122	10198248	rRNA, 5S ribosomal pseudogene 290
17441	ENSG00000202303	LOC101928	18930	0.1	rRNA	5	5544296	5544293	rRNA, 5S ribosomal pseudogene 184
18284	ENSG00000202347	LOC101928	18538	0.1	rRNA	11	1785148	1785148	rRNA, 5S ribosomal pseudogene 199
18379	ENSG00000252793	LOC101928	18784	0.1	rRNA	5	14595562	14595763	rRNA, 5S ribosomal pseudogene 198
18619	ENSG00000199592	LOC101928	18962	0.1	rRNA	10	7834887	7834917	rRNA, 5S ribosomal pseudogene 321
19053	ENSG00000202182	LOC101928	19629	0.1	rRNA	21	15443102	15443102	rRNA, 5S ribosomal pseudogene 488
19694	ENSG00000202974	LOC101928	19911	0.1	sense_intronic	4	11189144	11189210	REVS, intronic transcript 1 (non-protein coding)
19830	ENSG00000234233	LOC101928	19901	0.1	sense_intronic	1	21130530	21130616	KCNH1 intronic transcript 1 (non-protein coding)
19861	ENSG00000181211	LOC101928	19916	0.1	sense_intronic	7	4317496	4302768	HECW1 intronic transcript 1 (non-protein coding)
19810	ENSG00000233786	LOC101928	20044	0.1	sense_intronic	22	29388709	2941608	ZNF3 intronic transcript 1 (non-protein coding)
19336	ENSG000002021467	LOC101928	17138	0.1	sncRNA	4	17062503	17062504	Small nuclear RNA SNORA16B/SNORA16A family
19801	ENSG00000201944	SNORA16B	17138	0.1	sncRNA	1	20570349	20570448	Small nuclear RNA SNORA72
19788	ENSG00000201221	SNORA16C	18209	0.1	sncRNA	11	8275256	8275256	small nuclear RNA, HACA box 70E
17859	ENSG00000252877	SNORA16E	18291	0.1	sncRNA	11	19291911	19292080	Small nuclear RNA SNORA81
19116	ENSG00000212498	SNORA16F	18888	0.1	sncRNA	4	1112672	1112691	Small nuclear RNA SNORA48
19761	ENSG00000212495	SNORA16G	19049	0.1	sncRNA	12	12048984	12049280	Small nuclear RNA SNORA111
19380	ENSG00000212432	SNORA16H	19533	0.1	sncRNA	12	8959784	8959781	Small nuclear RNA SNORA75
19566	ENSG000002021827								

19123	ENSG00000014544		19960.6	0.1	transcribed_unprocessed_pseudogene	7	72656902	72694143	GTF2I repeat domain containing 2 pseudogene 1
19508	ENSG00000238021		19646	0.1	transcribed_unprocessed_pseudogene	10	27547091	27577753	armadillo repeat containing 4 pseudogene 1
20435	ENSG00000253771		20373.4	0.1	transcribed_unprocessed_pseudogene	13	25498815	25424225	transmembrane phosphoinositide 3-kinophase and tensin homolog 2 pseudogene 1
20503	ENSG00000187172		20426	0.1	transcribed_unprocessed_pseudogene	21	10996026	11098908	B melanoma antigen family, member 2
17411	ENSG00000248553		18971.3	0.1	unitary_pseudogene	11	5572892	5573793	olfactory receptor, family 52, subfamily H, member 2 pseudogene
18849	ENSG00000239822		19226.5	0.1	unitary_pseudogene	19	41314430	41317295	cytochrome P450, family 2, subfamily T, polypeptide 2, pseudogene
18019	ENSG00000260511	HYALP1	18562.6	0.1	unitary_pseudogene	7	123454193	123469258	hyaluronoglucosaminidase pseudogene 1
20384	ENSG00000262125		20315.5	0.1	unitary_pseudogene	2	97388474	97370624	ten-likes 5 (C, degen)
828	ENSG00000230521		10959.7	0.1	unprocessed_pseudogene	6	29855071	29855045	HLA complex group 4 pseudogene 7
16523	ENSG00000226102		17113	0.1	unprocessed_pseudogene	7	39885904	36013282	septin 7 pseudogene 3
18975	ENSG00000202698		17733.6	0.1	unprocessed_pseudogene	4	9186023	9171696	asparagine-linked glycosylase 1-like 14, pseudogene
17862	ENSG00000176289		18392.1	0.1	unprocessed_pseudogene	X	148693540	148607582	iduronate 2-sulfatase pseudogene 1
16289	ENSG00000196153		18722.2	0.1	unprocessed_pseudogene	19	22897369	22899534	zinc finger protein 849, pseudogene
18431	ENSG00000202956		18625.6	0.1	unprocessed_pseudogene	2	131947407	131955068	neurofascin 1 pseudogene 8
18432	ENSG00000228547		18626.1	0.1	unprocessed_pseudogene	10	15041049	15042054	olfactory receptor, family 7, subfamily E, member 26 pseudogene
18506	ENSG00000260960		18875.7	0.1	unprocessed_pseudogene	17	36230653	36251183	family with sequence similarity 106, member D, pseudogene
18848	ENSG00000232393	DDX11L2	19139.8	0.1	unprocessed_pseudogene	2	114326606	114339144	DIS3D1-like-Glu-Xa/Ka/Ki16 box helicase 11 like 2
18861	ENSG00000180042		19238.6	0.1	unprocessed_pseudogene	17	3289224	3289132	olfactory receptor, family 1, subfamily R, member 1 pseudogene
19320	ENSG00000230531		19507.8	0.1	unprocessed_pseudogene	7	57261964	57263761	MIT-ND5 pseudogene 7
19340	ENSG00000211648	SPATA31B1	19525.9	0.1	unprocessed_pseudogene	9	84612562	84617657	SPATA31 subfamily B, member 1
19689	ENSG00000234402		19781.7	0.1	unprocessed_pseudogene	14	106012947	106016031	ELK2B, member of ETS oncogene family, pseudogene
19896	ENSG00000234890		19948.6	0.1	unprocessed_pseudogene	2	159278487	159281815	heterogeneous nuclear ribonucleoprotein D-like pseudogene 2
20483	ENSG00000202725		20413.4	0.1	unprocessed_pseudogene	17	18620110	18620361	MT-ND2 pseudogene 12
1672	ENSG00000235886		2071.3	0.1		2	80273879	80274235	immunoglobulin kappa variable 3D-7
4895	ENSG0000021841		7514.2	0.1					
5589	ENSG00000202581		8341.3	0.1					
5694	ENSG00000288903		8434.8	0.1					
6156	ENSG00000187534		8937.8	0.1					
6584	ENSG00000202338		9372.3	0.1					
7880	ENSG00000152022	LIX1L	10593.6	0.1		1	145477085	145501609	Lix1 homolog (mouse)-like
7897	ENSG00000224856		10607.9	0.1					
8548	ENSG00000131071		11343.7	0.1					
10460	ENSG00000258581		12706.9	0.1					
10763	ENSG00000289958		12954.2	0.1					
10831	ENSG00000219980		13011.4	0.1					
10838	ENSG00000270940		13018.5	0.1					
10900	ENSG00000251194		13065.1	0.1					
11033	ENSG00000202353		13189.9	0.1					
11414	ENSG00000228232		13497.9	0.1					
11483	ENSG00000226004		13548.3	0.1					
11488	ENSG00000266948		13559.4	0.1					
11673	ENSG00000236955		13718.9	0.1					
11790	ENSG00000243452	NBP15	13822.2	0.1		1	148559579	148596267	neuroblastoma breakpoint family, member 15
11811	ENSG00000225794		13837.7	0.1					
11911	ENSG00000225796		13919.9	0.1					
11978	ENSG00000248771		13966.7	0.1					
12021	ENSG00000231104		13999.6	0.1					
2166	ENSG00000281142		14097.0	0.1					
12279	ENSG00000230515		14183.4	0.1					
12456	ENSG00000229233		14320.3	0.1					
13001	ENSG00000251729		14672.2	0.1					
13421	ENSG00000235159		15039.9	0.1					
13492	ENSG00000298862		15096.1	0.1					
13829	ENSG00000185262		15194.3	0.1		22	22468236	22472374	aldohydrolase domain containing 17A pseudogene 5
13884	ENSG00000232725		15245.6	0.1					
13836	ENSG00000281087		15245.3	0.1					
13886	ENSG00000215468		15256.4	0.1					
14201	ENSG00000287298		15625.4	0.1					
14488	ENSG00000224187		15845.6	0.1					
14643	ENSG00000265903		15987.3	0.1					
14839	ENSG00000253017		16113	0.1					
14971	ENSG00000251721		16219	0.1		2	158390712	158390796	Small nuclear RNA 25
15105	ENSG00000231963		16348.9	0.1					
15227	ENSG00000272403		16430	0.1					
15256	ENSG00000212998		16449.7	0.1		8	94752349	94753001	RBM12B antisense RNA 1
15303	ENSG00000202163		16474.4	0.1					
15458	ENSG00000271550		16592.5	0.1					
15487	ENSG00000285049		16610.7	0.1					
15618	ENSG00000181117		16718.3	0.1		1	173250216	173250309	Small nuclear RNA U13
15638	ENSG00000273395		16735	0.1					
15882	ENSG00000270388		16808.8	0.1					
15907	ENSG00000265981		16849.2	0.1		10	90830788	90820888	Small nuclear RNA U13
15911	ENSG00000202545		16951.1	0.1					
15988	ENSG00000249088		16987.5	0.1					
16084	ENSG00000202988		17082.3	0.1					
16065	ENSG00000229587		17095.6	0.1					
16081	ENSG00000228197		17095.7	0.1					
16237	ENSG00000231687		17209.4	0.1					
16257	ENSG00000232489		17221.7	0.1		9	43399987	43401315	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1 pseudogene 5
16270	ENSG00000226493		17226.3	0.1					
16308	ENSG00000215653		17249.6	0.1		2	187361840	187365393	Uncharacterized protein
16325	ENSG00000206153		17291.7	0.1					
16343	ENSG00000232403		17282.1	0.1					
16367	ENSG00000268272		17287	0.1					
16387	ENSG00000202628		17314.6	0.1					
16602	ENSG00000255562		17481.6	0.1					
16624	ENSG00000265862		17493.3	0.1					
16667	ENSG00000285451		17526.4	0.1					
16874	ENSG00000254205		17535.5	0.1					
16883	ENSG00000238483		17547.1	0.1		13	46809805	46809908	Small nuclear RNA U13
16702	ENSG00000249338		17564.2	0.1					
16749	ENSG00000256916		17602.1	0.1					
16752	ENSG00000244952		17605.1	0.1					
16761	ENSG00000244960		17618.5	0.1					
16778	ENSG00000250580		17624.3	0.1					
16796	ENSG00000299551		17642	0.1					
16807	ENSG00000195222	RMBP3	17658.4	0.1		22	20456003	20461786	RMB3 binding protein 3
16854	ENSG00000268457		17679	0.1					
16899	ENSG00000259760		17704.6	0.1					
16901	ENSG00000232688		17706.4	0.1					
16945	ENSG00000257769		17736.2	0.1					
16983	ENSG00000215923		17748.4	0.1					
16978	ENSG00000202648		17755.5	0.1					
17002	ENSG00000225728		17779.2	0.1					
17024	ENSG00000232197		17796.5	0.1					
17053	ENSG00000206903		17819.5	0.1					
17055	ENSG00000213556		17820.3	0.1					
17079	ENSG00000287681		17836.9	0.1					
17124	ENSG00000231361		17866	0.1					
17146	ENSG00000273192		17883.9	0.1					
17178	ENSG00000258586		17908.1	0.1					
17217	ENSG00000231713		17930.7	0.1					
17220	ENSG00000220540		17933.3	0.1					
17265	ENSG00000228472		17962.7	0.1					
17318	ENSG00000254872		18000.3	0.1					
17339	ENSG00000247137		18018.7	0.1					
17382	ENSG00000219993		18044	0.1					
17409	ENSG00000289699		18077.3	0.1					
17422	ENSG00000249054		18078.3	0.1					
17486	ENSG00000228155		18107	0.1					
17491	ENSG00000225490		18126.9	0.1					
17514	ENSG00000272382		18143.3	0.1					
17527									

17989	ENSG00000228014		18488	1	0.1				
17991	ENSG00000227790		18493	3	0.1				
18013	ENSG00000214908		18504	7	0.1				
18034	ENSG00000207127		18526	0.1					
18048	ENSG00000206289		18534	8	0.1				
18084	ENSG00000206289		18592	0.1					
18101	ENSG00000232723		18575	8	0.1				
18115	ENSG00000203753		18586	3	0.1				
18151	ENSG00000208181		18620	2	0.1				
18156	ENSG00000237024		18625	1	0.1				
18200	ENSG00000204139		18660	0.1					
18206	ENSG00000205262		18644	6	0.1				
18209	ENSG00000207593		18668	4	0.1				
18214	ENSG00000228085		18670	1	0.1				
18220	ENSG00000201491		18682	4	0.1				
18242	ENSG00000203423		18686	8	0.1				
18244	ENSG00000203365		18688	8	0.1				
18252	ENSG00000205752		18694	3	0.1				
18272	ENSG00000202741		18705	9	0.1				
18273	ENSG00000205071		18706	7	0.1				
18281	ENSG00000202048		18713	6	0.1				
18290	ENSG00000207185		18722	7	0.1				
18292	ENSG00000202716		18722	8	0.1				
18301	ENSG00000208764		18727	1	0.1				
18315	ENSG00000202316		18736	4	0.1				
18326	ENSG00000202035		18744	1	0.1				
18337	ENSG00000203183		18754	5	0.1				
18339	ENSG00000208720		18755	2	0.1				
18349	ENSG00000202605		18765	0.1					
18354	ENSG00000202502		18770	3	0.1				
18368	ENSG00000202097		18778	5	0.1				
18374	ENSG00000208137		18782	5	0.1				
18378	ENSG00000203113		18784	8	0.1				
18387	ENSG00000202076		18790	5	0.1				
18388	ENSG00000205191		18791	8	0.1				
18390	ENSG00000204443		18793	2	0.1				
18404	ENSG00000209999		18805	0.1					
18434	ENSG00000205421		18820	5	0.1				
18441	ENSG00000202168		18833	8	0.1				
18444	ENSG00000205978		18834	8	0.1				
18457	ENSG00000208305		18843	3	0.1				
18462	ENSG00000202741		18846	0.1					
18469	ENSG00000208749		18851	0.1					
18474	ENSG00000207248		18857	9	0.1				
18480	ENSG00000206691		18867	0.1					
18494	ENSG00000205131		18868	3	0.1				
18502	ENSG00000203153		18873	6	0.1				
18506	ENSG00000208228		18874	6	0.1				
18524	ENSG00000202086		18891	8	0.1				
18528	ENSG00000203090		18893	6	0.1				
18540	ENSG00000205017		18899	0.1					
18550	ENSG00000203708		18910	1	0.1				
18554	ENSG00000202356		18911	8	0.1				
18556	ENSG00000204103		18913	6	0.1				
18562	ENSG00000203033		18928	3	0.1				
18589	ENSG00000203135		18933	9	0.1				
18597	ENSG00000207119		18938	8	0.1				
18614	ENSG00000202053		18956	5	0.1				
18621	ENSG00000207188		18964	2	0.1				
18626	ENSG00000203073		18965	3	0.1				
18640	ENSG00000203183		18974	8	0.1				
18647	ENSG00000202857		18976	0.1					
18654	ENSG00000208916		18979	7	0.1				
18664	ENSG00000202784		18993	1	0.1				
18666	ENSG00000208424		18994	4	0.1				
18676	ENSG00000205148		19000	9	0.1				
18679	ENSG00000202083		19007	7	0.1				
18714	ENSG00000208111		19025	4	0.1				
18718	ENSG00000209643		19030	4	0.1				
18725	ENSG00000204473		19038	8	0.1				
18730	ENSG000002033018		19039	1	0.1				
18733	ENSG00000202934		19042	2	0.1				
18742	ENSG00000204842		19052	1	0.1				
18744	ENSG00000205079		19055	1	0.1				
18756	ENSG00000205743		19062	7	0.1				
18757	ENSG00000202558		19063	7	0.1				
18768	ENSG00000202787		19070	9	0.1				
18776	ENSG00000213863		19077	8	0.1				
18780	ENSG00000203178		19078	8	0.1				
18783	ENSG00000202365		19080	1	0.1				
18787	ENSG00000202921		19082	2	0.1				
18798	ENSG00000202023		19086	3	0.1				
18800	ENSG00000202474		19088	2	0.1				
18801	ENSG00000202142		19089	4	0.1				
18809	ENSG00000204188		19099	2	0.1				
18811	ENSG00000207273		19100	6	0.1				
18821	ENSG00000203143		19108	9	0.1				
18827	ENSG00000206231		19111	6	0.1				
18829	ENSG00000208921		19112	1	0.1				
18830	ENSG00000202872		19116	1	0.1				
18840	ENSG00000203318		19131	1	0.1				
18845	ENSG00000204828		19137	5	0.1				
18853	ENSG00000207345		19143	4	0.1				
18855	ENSG00000207189		19144	6	0.1				
18867	ENSG00000204083		19152	0.1					
18869	ENSG00000205838		19152	4	0.1				
18879	ENSG00000202517		19161	2	0.1				
18904	ENSG00000204212		19183	7	0.1				
18913	ENSG00000208716		19190	3	0.1				
18916	ENSG00000205262		19197	4	0.1				
18921	ENSG00000202041		19213	3	0.1				
18938	ENSG00000207329		19219	6	0.1				
18956	ENSG00000204500		19233	4	0.1				
18960	ENSG00000202051		19236	5	0.1				
18968	ENSG00000207016		19243	1	0.1				
18971	ENSG00000203075		19245	5	0.1				
18976	ENSG00000203493		19248	9	0.1				
18977	ENSG00000208584		19250	3	0.1				
18984	ENSG00000204810		19255	6	0.1				
18994	ENSG00000205185		19265	5	0.1				
19000	ENSG00000205336		19268	9	0.1				
19002	ENSG00000205491		19269	8	0.1				
19004	ENSG00000202102		19270	8	0.1				
19008	ENSG00000203710		19274	9	0.1				
19024	ENSG00000203863		19285	5	0.1				
19038	ENSG00000205762		19295	5	0.1				
19038	ENSG00000204041		19299	4	0.1				
19043	ENSG00000208732		19302	9	0.1				
19048	ENSG00000204188		19304	0.1					
19053	ENSG00000202581		19316	8	0.1				
19068	ENSG00000208237		19318	6	0.1				
19080	ENSG00000203014		19327	7	0.1				
19083	ENSG00000214362		19328	5	0.1				
19089	ENSG00000204890		19333	9	0.1				
19093	ENSG00000205094		19335	0.1					
19098	ENSG00000203558		19341	6	0.1				
19105	ENSG00000202680		19347	8	0.1				
19108	ENSG00000205034		19349	7	0.1				
19111	ENSG00000203581		19352	1	0.1				
19117	ENSG00000208134		19356	6	0.1				
19124	ENSG00000202046		19361	2	0.1				
19128	ENSG00000205111		19362	5	0.1				
19138	ENSG00000205072		19371	4	0.1				
19139	ENSG00000205707		19371	8	0.1				
19145	ENSG00000217227		19373	5	0.1				
19162	ENSG00000205806		19381	6	0.1				
19172	ENSG00000205237		19385	7	0.1				
19176	ENSG00000217248	C17orf100	19386	5	0.1				
19176	ENSG00000204900		19387	2	0.1				
19178	ENSG00000205038		19388	4	0.1				
19180	ENSG00000205028		19390	0.1					
19183	ENSG00000205378		19401	1	0.1				
19184	ENSG000002071874		19401	8	0.1				
19188	ENSG00000204138		19413	7	0.1				
19206	ENSG000002024814		19418	9	0.1				
19210	ENSG00000205022		19423	7	0.1				
19220	ENSG00000202061		19429	7	0.1				
19233	ENSG00000202824		19443	8	0.1				
19244	ENSG00000202472		19450	4	0.1				
19254	ENSG00000204158		19455	8	0.1				
19261	ENSG000002023629		19460	9	0.1				

20166	ENS00000229985		20151	0.1					
20168	ENS00000227118		20153	0.1					
20178	ENS000002059118		20159.6	0.1					
20178	ENS000002228229		20160.7	0.1					
20180	ENS000002262308		20165.9	0.1					
20184	ENS000002270481		20173.1	0.1					
20185	ENS000002021806		20174.1	0.1					
20189	ENS000002081638		20174.2	0.1					
20190	ENS000002024102		20174.5	0.1					
20190	ENS000002261449		20177.8	0.1					
20191	ENS000002020140		20178.9	0.1					
20205	ENS000002025542		20190.2	0.1					
20214	ENS000002015736		20194.1	0.1					
20219	ENS000002027484		20200	0.1					
20224	ENS000002027316		20205	0.1					
20228	ENS0000020264149		20207.2	0.1					
20227	ENS0000020260949		20207.6	0.1					
20234	ENS000002025299		20209.7	0.1					
20242	ENS0000020272797		20221.8	0.1					
20243	ENS000002024004		20222.5	0.1					
20263	ENS000002020956		20230.7	0.1					
20271	ENS0000020281442		20245.9	0.1					
20273	ENS0000020289911		20246.6	0.1					
20294	ENS000002027627		20263.7	0.1					
20304	ENS000002025346		20269.8	0.1					
20308	ENS0000020272328		20271	0.1					
20328	ENS0000020265237		20283.6	0.1					
20337	ENS000002028981		20289.6	0.1					
20338	ENS000002026066		20290.8	0.1					
20345	ENS0000020289617		20296	0.1					
20347	ENS000002023586		20300.4	0.1					
20355	ENS0000020287005		20305.9	0.1					
20358	ENS000002021365		20310.3	0.1					
20360	ENS0000020218566		20311.1	0.1					
20381	ENS0000020266607		20335	0.1					
20383	ENS000002026468		20338.2	0.1					
20389	ENS0000020213561		20339.8	0.1					
20399	ENS0000020285511		20345.5	0.1					
20402	ENS0000020281427		20348.1	0.1					
20420	ENS0000020280036		20359.7	0.1					
20424	ENS0000020280405		20361.5	0.1					
20428	ENS000002025889		20362.1	0.1					
20441	ENS0000020215159		20376.7	0.1					
20454	ENS000002027332		20386.2	0.1					
20477	ENS000002027472		20400.4	0.1					
20481	ENS0000020252569		20412.3	0.1	17	4778921	4779205		RNA 75L, cytoplasmic 171, pseudogene
20482	ENS0000020213365		20412.8	0.1					
20495	ENS000002026237		20423.4	0.1					
20498	ENS000002048514		20424.4	0.1					
20501	ENS00000188888	GPR179	20424.9	0.1	17	36481413	36499730		G protein-coupled receptor 179
20513	ENS0000020281527		20431.1	0.1					
20520	ENS0000020270915		20442.8	0.1					
20522	ENS0000020254370		20443.4	0.1					
20534	ENS000002027489		20451.1	0.1					
20554	ENS0000020219952		20473.1	0.1					
20564	ENS0000020270424		20477.3	0.1					
20611	ENS000002026207		20506	0.1					
20615	ENS000002023261		20526.1	0.1					
20620	ENS0000020265445		20512.7	0.1					
20632	ENS0000020271163		20521.4	0.1					
20634	ENS000002022688		20521	0.1	9	35381056	35381282		HCG17281, PR00038, Uncharacterized protein
20641	ENS0000020230065		20527	0.1					
20647	ENS0000020250007		20532.8	0.1					
20659	ENS0000020215330		20540.1	0.1					
20665	ENS0000020228536		20566.7	0.1					
20706	ENS0000020253172		20573.9	0.1					
20724	ENS000002020488		20585.4	0.1					
20741	ENS0000020214347		20604.8	0.1					
20743	ENS0000020280545		20608.1	0.1					
20761	ENS000002025468		20612.1	0.1					
20772	ENS0000020244009		20624.2	0.1					
20785	ENS0000020285413		20636.3	0.1					
20786	ENS000002025420		20642.1	0.1					
20803	ENS00000196390		20651.6	0.1					
20808	ENS0000020280742		20654.3	0.1					
20809	ENS000002028535		20657	0.1					
20818	ENS000002025278		20663.3	0.1					
20826	ENS0000020282789		20671.3	0.1					
20841	ENS0000020274228		20679.5	0.1					
20842	ENS0000020272078		20680.3	0.1					
20863	ENS000002027202		20693.4	0.1					
20865	ENS0000020281118		20693.3	0.1					
20871	ENS0000020252500		20695.9	0.1					
20912	ENS0000020254966		20732.8	0.1					
20920	ENS0000020265279		20740.3	0.1					
20923	ENS0000020254028		20742.4	0.1					
20945	ENS000002024764		20755.4	0.1					
20951	ENS000002028412		20757.2	0.1					
20961	ENS000002028621		20769.8	0.1					
20983	ENS0000020246567		20781.1	0.1					
20986	ENS00000186019		20784.9	0.1					
20989	ENS000002021756		20794.6	0.1					
21008	ENS0000020225647		20795.5	0.1					
21033	ENS0000020289981		20816.2	0.1					
21048	ENS000002026138		20825.5	0.1					
21056	ENS0000020230221		20830.4	0.1					
21065	ENS0000020234206		20840.6	0.1					
21122	ENS0000020240891		20866.4	0.1					
21136	ENS0000020238628		20868.1	0.1					
21146	ENS000002027416		20905.3	0.1					
21190	ENS0000020243311		20927.1	0.1					
21195	ENS0000020248863		20948.9	0.1					
21229	ENS000002024899		20976.4	0.1					
21285	ENS000002020774		21024	0.1					
21325	ENS0000020229901		21053	0.1					
21349	ENS0000020281286		21068.6	0.1					
21378	ENS000002027066		21094.5	0.1					
21384	ENS0000020203614		21101.3	0.1					
21396	ENS0000020228814		21114.9	0.1					
21477	ENS0000020203001		21175.8	0.1	1	2143380	2145620		Uncharacterized protein
21500	ENS000002027378		21195	0.1					
21506	ENS0000020281447		21196.8	0.1					
21509	ENS000002021520		21200	0.1					
21524	ENS0000020289473		21210	0.1					
21719	ENS0000020284068		21372.3	0.1					
21798	ENS0000020231959		21386.8	0.1					
21800	ENS0000020289177		21429.1	0.1					
21840	ENS0000020273249		21440	0.1					
21884	ENS0000020289598		21463	0.1					
22008	ENS000002023979		21583.2	0.1					
22156	ENS0000020282891		21686	0.1					
22451	ENS000002024474		21910.3	0.1					
6890	ENS0000020289036	MIR3615	9695	0.09	antisense	17	72743458	72745051	microRNA 3615
14362	ENS0000020253352	TUG1	18750	0.09	antisense	22	31366663	31375381	tsurme_up-regulated 1 (non-protein coding)
15073	ENS0000020244660		19207	0.09	antisense	3	15049726	15048025	SNHG antisense RNA 1
17281	ENS000002027865	LDLRAD4-AS1	17975.3	0.09	antisense	16	13419420	13417478	LDLRAD4 antisense RNA 1
17834	ENS00000177337	DLGAP1-AS1	18277.5	0.09	antisense	18	3597370	3598330	DLGAP1 antisense RNA 1
18270	ENS000002027863	DGUK-AS1	18704.9	0.09	antisense	2	74114769	7405846	DGUK antisense RNA 1
19194	ENS0000020289691	BRF2-AS1	18828.8	0.09	antisense	3	13318813	13317420	BRF2 antisense RNA 1
19279	ENS000002029356	LRRC3-AS1	19476	0.09	antisense	21	45870869	45875167	LRRC3 antisense RNA 1 (head to head)
19471	ENS000002025260	PCDH9-AS3	19618	0.09	antisense	13	6735194	6735998	PCDH9 antisense RNA 3
19504	ENS000002027128	RNF187-AS1	19940.6	0.09	antisense	17	74136937	74130731	RNF187 antisense RNA 1
20100	ENS0000020242925		20099.6	0.09	antisense	3	155203562	155204910	PLCH1 antisense RNA 2
20122	ENS000002044124		20116.1	0.09	antisense	3	141637394	141637393	ATP10 antisense RNA 1
20276	ENS000002024048	CDKN2B-AS1	20194.5	0.09	antisense	9	21994777	22121096	CDKN2B antisense RNA 1
20285	ENS0000020240254		20259.5	0.09	antisense	3	118945333	118909913	BAGAL4 antisense RNA 1
20327	ENS0000020289820	FDXN1-AS1	20383.4	0.09	antisense	14	89864998	89869137	FDXN1 antisense RNA 1
20377	ENS0000020226187	PAXBP1-AS1	20693.2	0.09	antisense	7	34100426	34115433	PAXBP1 antisense RNA 1
20937	ENS0000020235889	MORC2-AS1	20750.2	0.09	antisense	22	31318256	31328366	MORC2 antisense RNA 1
21009	ENS0000020253865	FERT1L6-AS2	20800.3	0.09	antisense	8	125058114	125183783	FERT1L6 antisense RNA 2
21183	ENS0000020249691		20950.7	0.09	antisense	3	465953	457478	CHL antisense RNA 1
21312	ENS0000020236891	EDRF1-AS1	21043.6	0.09	antisense	10	127432296	127440679	EDRF1 antisense RNA 1
21472	ENS0000020280630	SNHG-AS1	21173.4	0.09	antisense	16	88729706	88753594	SNHG antisense RNA 1
21590	ENS000002024720	PCOLCE-AS1	21201.1	0.09	antisense	9	100017025	100010299	PCOLCE antisense RNA 1
21604	ENS000002027528	DIAPH3-AS1	21271.1	0.09	antisense	13	605868		

22971	ENSG00000205913	SRRAS2-AS1	22326	2	0.09	antisense	16	2780777	2802901	SRRAS2 antisense RNA 1	
22978	ENSG00000205919	EXTL3-AS1	22000	8	0.09	antisense	8	2855081	2855081	EXTL3 antisense RNA 1	
2787	ENSG00000211895		4328	5	0.09	IG_C_gene	14	10613457	10617502	immunoglobulin heavy constant alpha 1	
5207	ENSG00000220207		7904	7	0.09	IG_C_pseudogene	22	23241707	23262023	immunoglobulin lambda constant 6 (Karr+Oz; marker_gene/pseudogene)	
2936	ENSG00000211670		3429	4	0.09	IG_V_gene	22	23141507	23141507	immunoglobulin lambda variable 3-3 (pseudogene)	
2936	ENSG00000211974		3885	19	0.09	IG_V_gene	14	10717920	10717920	immunoglobulin heavy variable 2-7	
3001	ENSG00000211866		4684	4	0.09	IG_V_gene	22	23101189	23101189	immunoglobulin lambda variable 2-14	
5442	ENSG00000205109		12172	0	0.09	IG_V_pseudogene	2	8989901	89891307	immunoglobulin kappa variable 20-40	
9773	ENSG00000205911		12172	0	0.09	IG_V_pseudogene	2	8989901	89891307	immunoglobulin kappa variable 20-30	
13884	ENSG00000205709		15237	7	0.09	IG_V_pseudogene	14	106662580	106662580	immunoglobulin heavy variable 1-14 (pseudogene)	
17278	ENSG00000205289		17874	1	0.09	IG_V_pseudogene	14	106812091	106812091	immunoglobulin heavy variable 5-32 (pseudogene)	
6977	ENSG00000205912	MIAT	10592	0	0.09	lincRNA	22	27047438	27047438	myocatalin antisense transcript (non-protein coding)	
11140	ENSG000002083753	LINC000667	12525	0	0.09	lincRNA	18	5232875	5232875	long intergenic non-protein coding RNA 667	
14505	ENSG00000208247	LINC03099	15858	6	0.09	lincRNA	18	7225910	7225910	long intergenic non-protein coding RNA 909	
16265	ENSG00000202987	MIR371A	17200	9	0.09	lincRNA	19	5420981	5420981	microRNA 371b	
17379	ENSG000002023663		18642	0	0.09	lincRNA	Y	19644689	19681634	family with sequence similarity 224, member B (non-protein coding)	
17669	ENSG00000215483	LINC00598	18257	6	0.09	lincRNA	13	41025131	41055143	long intergenic non-protein coding RNA 598	
17756	ENSG000002029897	LINC01146	18327	4	0.09	lincRNA	14	88490984	88519778	long intergenic non-protein coding RNA 1146	
17835	ENSG000002023610	LINC00462	18378	0	0.09	lincRNA	13	49151110	49152224	long intergenic non-protein coding RNA 462	
19682	ENSG00000204043		19714	9	0.09	lincRNA	12	109171920	109174194	Small nucleolar RNA (SNORA4)	
19761	ENSG000002021558	ADAM20P1	19942	3	0.09	lincRNA	14	10262020	10262043	ADAM metalloprotease domain 20 (pseudogene)	
19928	ENSG000002088941		19976	3	0.09	lincRNA	20	57209828	57207722	HCG1785561_MGC244 protein, Uncharacterized protein	
19990	ENSG000002029521	LINC00484	20020	7	0.09	lincRNA	20	49898953	49899732	long intergenic non-protein coding RNA 494	
20018	ENSG000002025686	FAM122B	20043	3	0.09	lincRNA	9	115801618	115827390	family with sequence similarity 225, member B (non-protein coding)	
20037	ENSG0000020203645	LINC00501	20049	3	0.09	lincRNA	3	17701230	17704206	long intergenic non-protein coding RNA 501	
20059	ENSG000002022993		20098	2	0.09	lincRNA	X	5312327	53136196	long intergenic non-protein coding RNA 1155	
20206	ENSG000002020700	LINC01010	20188	6	0.09	lincRNA	8	51828954	51830219	long intergenic non-protein coding RNA 1010	
20319	ENSG000002028134	LINC00924	20278	5	0.09	lincRNA	15	8597834	86051076	long intergenic non-protein coding RNA 924	
20628	ENSG00000204544		20520	1	0.09	lincRNA	11	12335106	12333118	long intergenic non-protein coding RNA 1059	
11138	ENSG000002020348	LINC01016	20581	1	0.09	lincRNA	20	1382108	1382108	long intergenic non-protein coding RNA 1016	
21260	ENSG000002021793		21004	5	0.09	lincRNA	19	5341849	53426723	zinc finger protein 688	
21337	ENSG000002022702	LINC00111	21060	3	0.09	lincRNA	21	4309341	43117498	long intergenic non-protein coding RNA 111	
1195	ENSG00000202521		2108	5	0.09	lincRNA	5	502817	502817	long intergenic non-protein coding RNA 1028	
21406	ENSG000002024914		21119	3	0.09	lincRNA	10	89102493	89117639	long intergenic non-protein coding RNA 863	
21611	ENSG00000189149	CRYM-AS1	21279	2	0.09	lincRNA	16	21312170	21329912	CRYM antisense RNA	
21653	ENSG00000202783		21308	1	0.09	lincRNA	16	7111308	7111308	long intergenic non-protein coding RNA 1143	
21608	ENSG000002029214	LINC00242	21433	7	0.09	lincRNA	6	17018888	17019821	long intergenic non-protein coding RNA 242	
21860	ENSG000002022258	AC08927.1	21439	3	0.09	lincRNA	3	667376	6681736	GRM7 antisense RNA 3	
21891	ENSG00000189199		21488	16	0.09	lincRNA	15	1528078	1528078	microRNA 1180.4	
22216	ENSG000002024652	LINC00885	21742	3	0.09	lincRNA	3	19589507	19588761	long intergenic non-protein coding RNA 885	
22320	ENSG000002045897	GENF-AS1	21813	3	0.09	lincRNA	5	37840540	37875901	GENF antisense RNA 1 (head to head)	
20323	ENSG00000204421	MIR4451	21868	1	0.09	miRNA	4	866438	866438	microRNA 4451	
19846	ENSG000002047171	MIR4305	21907	8	0.09	miRNA	13	40238171	40238272	microRNA 4305	
17318	ENSG00000204580	MIR592B	18014	4	0.09	miRNA	21	44371038	44371124	microRNA 592b	
17824	ENSG00000204741	MIR450	18420	1	0.09	miRNA	14	74208	74208	microRNA 450	
8074	ENSG00000205941	MIR329	18553	5	0.09	miRNA	8	33514051	33514051	microRNA 329	
18308	ENSG000002046758	MIR386-1	18730	1	0.09	miRNA	16	29610500	29610586	microRNA 386-2	
18308	ENSG000002046758	MIR386-1	18730	1	0.09	miRNA	16	29610500	29610586	microRNA 386-2	
18950	ENSG00000204580	MIR780	18863	3	0.09	miRNA	19	46522190	46522190	microRNA 780	
19068	ENSG00000204102	MIR448	19118	1	0.09	miRNA	11	21514556	21514556	microRNA 448	
19296	ENSG00000189884	MIR348	19357	1	0.09	miRNA	14	4639792	46398034	microRNA 348	
19296	ENSG00000189884	MIR348	19357	1	0.09	miRNA	14	4639792	46398034	microRNA 348	
20242	ENSG00000201632	MIR508	20249	6	0.09	miRNA	18	10071749	10071749	microRNA 508	
20633	ENSG00000204483	MIR5008	20521	8	0.09	miRNA	1	228129201	228129384	microRNA 5008	
20976	ENSG00000199065	MIR101-2	20714	6	0.09	miRNA	9	4892091	4892091	microRNA 101-2	
11056	ENSG000002026189	MIR3186	20718	1	0.09	miRNA	12	79418214	79418214	microRNA 3186	
21168	ENSG000002015973	MIR323	20926	3	0.09	miRNA	2	176032301	176032337	microRNA 323	
21225	ENSG000002017622	MIR189	20934	4	0.09	miRNA	12	10923084	10923082	microRNA 189	
472	ENSG000002022426	MIR451	20954	0	0.09	miRNA	19	19861280	19861280	microRNA 451	
7750	ENSG0000020201470		10481	3	0.09	rnc	RNA	2	12855477	12855672	RNA, Rn-associated V4 pseudogene 7
6983	ENSG00000201724		11204	6	0.09	rnc	RNA	15	100221981	10022288	Y RNA
1704	ENSG000002020164		14056	1	0.09	rnc	RNA	17	8922267	8922267	Y RNA
12253	ENSG000002026822		14163	7	0.09	rnc	RNA	14	64088478	64088889	Y RNA
12992	ENSG00000202769		14709	3	0.09	rnc	RNA	7	91811527	91811648	Y RNA
13328	ENSG0000020164		14956	1	0.09	rnc	RNA	17	6922268	6922268	Y RNA
14518	ENSG000002025228		15870	3	0.09	rnc	RNA	17	33424579	33424676	Vault RNA
16311	ENSG000002022224		16492	3	0.09	rnc	RNA	2	29150109	29150206	Y RNA
16905	ENSG000002022224		16521	6	0.09	rnc	RNA	17	4563724	4563724	Y RNA
16481	ENSG000002020419		17385	5	0.09	rnc	RNA	15	4584182	4584283	Y RNA
17894	ENSG000002020834		18482	7	0.09	rnc	RNA	9	33830976	33831076	Y RNA
18298	ENSG00000201158		19099	12	0.09	rnc	RNA	12	11282784	11282784	Y RNA
18789	ENSG000002023974		19583	8	0.09	rnc	RNA	19	4545207	4545483	Y RNA
18835	ENSG000002041587		19123	9	0.09	rnc	RNA	3	68374279	68374574	RNA, 7SL cytoplasmic 121, pseudogene
18943	ENSG00000201788		19583	8	0.09	rnc	RNA	3	68374279	68374574	RNA, 7SL cytoplasmic 482, pseudogene
19401	ENSG00000199218		19588	6	0.09	rnc	RNA	20	20868317	20868317	RNA, 7SL small nuclear pseudogene 20
19462	ENSG00000204139		19813	3	0.09	rnc	RNA	3	119840766	119841051	RNA, 7SL cytoplasmic 387, pseudogene
19541	ENSG00000204538		19813	3	0.09	rnc	RNA	3	119840766	119841051	RNA, 7SL cytoplasmic 311, pseudogene
19562	ENSG00000201913		19880	7	0.09	rnc	RNA	7	9928400	9928400	Y RNA
19596	ENSG00000204232		19705	4	0.09	rnc	RNA	3	12892390	12892488	RNA, 7SL cytoplasmic 688, pseudogene
19596	ENSG00000201997		19705	4	0.09	rnc	RNA	3	12892390	12892488	RNA, 7SL cytoplasmic 323, pseudogene
19605	ENSG000002022685		19875	9	0.09	rnc	RNA	2	4758664	4758664	RNA, 7SL small nuclear pseudogene 119
19817	ENSG000002028847		19883	3	0.09	rnc	RNA	11	12890354	12890467	Y RNA
19840	ENSG00000201783		19921	17	0.09	rnc	RNA	17	6073695	6073695	Y RNA
19872	ENSG000002022421		19927	2	0.09	rnc	RNA	9	13059414	13059522	Y RNA
19952	ENSG0000020230143		19971	7	0.09	rnc	RNA	2	8556018	8556018	Y RNA
20008	ENSG00000202708		20049	2	0.09	rnc	RNA	14	5895952	5895970	Y RNA
20371	ENSG00000202414		20321	6	0.09	rnc	RNA	14	2511634	2511634	Y RNA
20417	ENSG000002040927		20359	3	0.09	rnc	RNA	15	10231342	10231376	RNA, 7SL cytoplasmic 209, pseudogene
20436	ENSG00000204484		20373	6	0.09	rnc	RNA	4	15324180	15324243	RNA, 7SL cytoplasmic 697, pseudogene
20586	ENSG000002026683		20500	4	0.09	rnc	RNA	17	10002376	10002376	RNA, 7SL small nuclear pseudogene 26
20927	ENSG000002026863		20745	0	0.09	rnc	RNA	X	20093277	20093277	Y RNA
21001	ENSG00000202										

19716	ENSG0000023290	19802	0.09	processed_pseudogene	X	13299623	13299710	ribosomal protein SA pseudogene 63	
19794	ENSG0000029548	1796	0.09	processed_pseudogene	2	1796	1798	DnaJ (Hsp40) homolog, subfamily B, member 1 pseudogene 6	
19842	ENSG0000022722	19905	0.09	processed_pseudogene	13	7823548	7823799	serine palmitoyltransferase, long chain base, subunit 1 pseudogene 5	
19884	ENSG0000021508	19947	0.09	processed_pseudogene	21	3485387	3485402	ribosomal protein S8 pseudogene 3	
19924	ENSG0000025444	19979	0.09	processed_pseudogene	11	7419299	7419307	cytochrome c, somatic pseudogene 27	
19968	ENSG0000025624	20023	0.09	processed_pseudogene	4	10959450	10959450	RAN, member RAN oncogene family pseudogene 5	
20000	ENSG0000023480	20050	0.09	processed_pseudogene	7	2370930	2370140	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1 pseudogene 3	
20066	ENSG0000026959	20091	0.09	processed_pseudogene	13	25591541	25591475	Lymphocyte-specific protein 1, Uncharacterized protein	
20115	ENSG0000023989	20115	0.09	processed_pseudogene	6	10014829	10014829	heterogeneous nuclear ribonucleoprotein A1 pseudogene 27	
20131	ENSG0000025246	20122	0.09	processed_pseudogene	15	6729315	6729315	high mobility group nucleosomal binding domain 2 pseudogene 47	
20168	ENSG0000025652	20152	0.09	processed_pseudogene	12	2472498	2472483	lysine-rich nuclear protein 1 pseudogene 1	
20200	ENSG0000025711	20202	0.09	processed_pseudogene	10	13210280	13210280	NIP1, nucleolar protein DNA processing protein pseudogene 2	
20392	ENSG00000225171	20343	0.09	processed_pseudogene	1	16683785	16683846	deoxyuridine triphosphatase pseudogene 6	
20398	ENSG00000214295	20343	0.09	processed_pseudogene	5	18026140	18025768	forward box O1B pseudogene 1	
20461	ENSG00000235490	20393	0.09	processed_pseudogene	10	12411211	12412058	ribosomal protein S16a pseudogene 1	
20549	ENSG00000244142	20482	0.09	processed_pseudogene	3	111197584	111197780	ATPase, H ⁺ transporting, yeast-like, V0 subunit c pseudogene 2	
20563	ENSG00000214424	20490	0.09	processed_pseudogene	15	9730217	97301826	family with sequence similarity 143, member B1 pseudogene 1	
20726	ENSG00000229496	20598	0.09	processed_pseudogene	X	12296463	12296612	ubiquitin, beta 4 class VIIa pseudogene 1	
20745	ENSG00000231206	20611	0.09	processed_pseudogene	X	73692852	73693788	heterogeneous nuclear ribonucleoprotein A1 pseudogene 25	
20829	ENSG00000213333	20672	0.09	processed_pseudogene	11	74790310	74791176	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 50	
20883	ENSG00000230564	20707	0.09	processed_pseudogene	X	12411290	12411072	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 49	
20887	ENSG00000256704	20710	0.09	processed_pseudogene	18	57677224	57678375	serologically defined colon cancer antigen 3 pseudogene 1	
20989	ENSG00000252922	20785	0.09	processed_pseudogene	15	90929046	90929295	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3 pseudogene 4	
21019	ENSG00000230260	20809	0.09	processed_pseudogene	1	18040355	18040371	voltage-dependent anion channel 1 pseudogene 4	
21024	ENSG00000230818	20810	0.09	processed_pseudogene	10	20036752	20037550	MT-NDS2 pseudogene 16	
21094	ENSG00000241788	20822	0.09	processed_pseudogene	17	48791052	48791321	cytochrome c oxidase subunit Vb polypeptide 1 (ubiquinol) pseudogene 2	
21117	ENSG00000229322	20860	0.09	processed_pseudogene	5	6454954	6454954	ribulose-5-phosphate lyase pseudogene 1	
21128	ENSG00000223476	20888	0.09	processed_pseudogene	7	64383851	64383984	vomeronasal 1 receptor 42 pseudogene 2	
21141	ENSG00000232709	20903	0.09	processed_pseudogene	10	84178424	84180632	MAP1B/microtubule affinity-regulating kinase 2 pseudogene 9	
21161	ENSG00000230404	20917	0.09	processed_pseudogene	9	14772085	14772085	Yes-associated protein 1 pseudogene 17	
21192	ENSG00000229215	20947	0.09	processed_pseudogene	12	124205793	12420618	ribosomal protein L27 pseudogene 12	
21200	ENSG00000224311	20950	0.09	processed_pseudogene	1	68515043	68515428	ADP-ribosylation factor-like SA pseudogene 3	
21281	ENSG00000230213	21007	0.09	processed_pseudogene	3	10029137	10029137	cytochrome c, somatic pseudogene 4	
21452	ENSG00000235422	21160	0.09	processed_pseudogene	18	2593973	2593973	kataxin p80 subunit B-like 1 pseudogene 3	
21455	ENSG00000225671	21164	0.09	processed_pseudogene	1	50871102	50871096	FCF1 pseudogene 6	
21538	ENSG00000259952	21241	0.09	processed_pseudogene	15	35413774	35414285	DEAD1 (Asp-Glu-Ala-Asp) box polypeptide 50 pseudogene 2	
21645	ENSG00000261333	21309	0.09	processed_pseudogene	15	56383619	56383637	PREL1 domain containing 1 pseudogene 6	
21722	ENSG00000230268	21309	0.09	processed_pseudogene	8	7402618	7402618	CD24 molecule pseudogene 1	
21914	ENSG00000216708	21513	0.09	processed_pseudogene	11	34452427	34453196	ribosomal protein SA pseudogene 41	
22032	ENSG00000226309	21605	0.09	processed_pseudogene	6	85139302	85140520	SWISN1 related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 2	
22330	ENSG00000247872	21821	0.09	processed_pseudogene	5	816461	817116	signal peptidase complex subunit 2 homolog (S. cerevisiae) pseudogene 3	
9298	ENSG00000228315	GUSBP1	11734	0.09	processed_transcript	22	23980874	24059543	glucuronidase, beta pseudogene 11
21845	ENSG00000197665	WRSPCL1	21681	0.09	processed_transcript	6	34688124	34911194	WRSP1 antisense RNA
24248	ENSG00000225251	CRS2	21952	0.09	processed_transcript	6	84953368	84953368	long interspersed nuclear coding RNA 475
2746	ENSG00000145384	FABP2	4271	0.09	protein_coding	4	120238405	120235445	fatty acid binding protein 2, intestinal
3112	ENSG00000179163	FUCAT1	4962	0.09	protein_coding	1	24171967	24171967	fucosyltransferase, alpha-L-1,3
3163	ENSG00000176318	FCER1A	5392	0.09	protein_coding	1	15932604	15932614	Fc fragment of IgE, high affinity, receptor for alpha polypeptide
3476	ENSG00000202617	HBM	5453	0.09	protein_coding	18	203891	203891	hemoglobin, mu
3762	ENSG00000171798	OMP	5872	0.09	protein_coding	6	16438811	16439780	guanosine monophosphate reductase
3848	ENSG00000202494	FCGR2B	6803	0.09	protein_coding	16	161951101	161951101	Fc fragment of IgG, low affinity, IIb, receptor (CD32)
4455	ENSG00000173221	GLRX	6916	0.09	protein_coding	5	95087023	95158709	glutaredoxin (thioltransferase)
4529	ENSG00000188818	LILRB4	7014	0.09	protein_coding	15	55153440	55153170	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4
4541	ENSG00000145458	HLA-DPB5	7025	0.09	protein_coding	14	140011313	140011313	HLA-DPB4 molecule
4650	ENSG00000158714	SLMFB	7184	0.09	protein_coding	1	15978540	15980739	SLM1 family member 8
4670	ENSG00000199186	CTC4	7259	0.09	protein_coding	1	22911223	22911403	complement component 1, g subcomponent, C chain
4714	ENSG00000191860	CD14	7268	0.09	protein_coding	1	8212088	8212088	complement component 1, g subcomponent, C chain
4813	ENSG00000188939	SPRY3	7404	0.09	protein_coding	X	145847474	14585121	sprouty homolog 3 (Drosophila)
4842	ENSG00000139508	SLC6A3	7580	0.09	protein_coding	13	29274201	29293107	solute carrier family 6, member 3
4920	ENSG00000191860	CD14	7268	0.09	protein_coding	1	8212088	8212088	complement component 1, g subcomponent, C chain
4982	ENSG00000198804	CDC3A	7631	0.09	protein_coding	19	531714	542007	cell division cycle 34
5039	ENSG00000175597	UCP2	7693	0.09	protein_coding	11	73685712	73694352	uncoupling protein 2 (mitochondrial, protein carrier)
5094	ENSG00000184952	HLA-DPB5	7207	0.09	protein_coding	14	140011313	140011313	major histocompatibility complex, class II, DR beta 5
5101	ENSG00000107521	HPS1	7776	0.09	protein_coding	10	100175965	100206884	Hermansky-Pudlak syndrome 1
5121	ENSG00000196182	STK40	7807	0.09	protein_coding	1	38855225	38851497	serine/threonine kinase 40
5340	ENSG00000150966	HLA-DQB2	7843	0.09	protein_coding	6	6895285	6895285	HLA-DQB2 molecule
5568	ENSG00000101160	CTS2	8345	0.09	protein_coding	20	57570240	57582302	cathepsin 2
5628	ENSG00000204797	OKX	8593	0.09	protein_coding	X	37545012	37591383	X-linked Klu brain group (Klu) end syndrome
5653	ENSG00000191861	HLA-DQB1	8613	0.09	protein_coding	14	55558268	55558268	HLA-DQB1 molecule
5900	ENSG00000232629	HLA-DQB2	8619	0.09	protein_coding	6	32723875	32731311	major histocompatibility complex, class II, DQ beta 2
5956	ENSG00000140588	EAP2	8772	0.09	protein_coding	3	12156430	12160573	ELL associated factor 2
5991	ENSG00000188628	STK33	8778	0.09	protein_coding	1	48847761	48847761	CCNA1-interacting protein (CENP), beta
6056	ENSG00000100911	PSME2	8838	0.09	protein_coding	14	24812574	24812574	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)
6080	ENSG00000134886	PHC2	8839	0.09	protein_coding	1	33789624	33896653	poly(ADP-ribose) polymerase 2 (Drosophila)
6085	ENSG00000191860	CD14	7268	0.09	protein_coding	1	8212088	8212088	complement component 1, g subcomponent, C chain
6120	ENSG00000213255	SEPPIN1	8903	0.09	protein_coding	6	2825296	2842240	serpin peptidase inhibitor, class B (ovalbumin), member 1
6148	ENSG00000144848	RSU1	8938	0.09	protein_coding	10	18632810	18695827	Ras suppressor protein 1
6191	ENSG00000191860	CD14	7268	0.09	protein_coding	1	8212088	8212088	complement component 1, g subcomponent, C chain
6252	ENSG00000103454	P2RX5	9037	0.09	protein_coding	17	3575493	3596908	major histocompatibility complex, class II, DO alpha
6257	ENSG00000208927	FXYD5	9037	0.09	protein_coding	19	35645633	3569008	FXYD domain containing ion transport regulator 5
6287	ENSG00000191860	CD14	7268	0.09	protein_coding	1	8212088	8212088	complement component 1, g subcomponent, C chain
6336	ENSG00000185262	UBALD2	9120	0.09	protein_coding	17	74291233	74297375	UBA-like domain containing 2
6387	ENSG00000287645	POK1R2J	9173	0.09	protein_coding	7	10227496	10231208	polymerase (RNA) (DNA directed) polypeptide J2
6454	ENSG00000135363	LTK1	9242	0.09	protein_coding	11	33887107	3391828	LIM domain only 2 (thrombosin-like 1)
6458	ENSG00000191860	CD14	7268	0.09	protein_coding	1	8212088	8212088	complement component 1, g subcomponent, C chain
6505	ENSG00000164054	SHISA5	9301	0.09	protein_coding	3	48509197	48544259	shisa family member 5
6548	ENSG00000125913	PHLMB	9343	0.09	protein_coding	8	24645782	24655358	PH2 and PH3 domain 2 (myristate)
6681	ENSG00000164885	ZBTB16	9613	0.09	protein_coding	1	15491577	15498998	zinc finger protein BTB domain containing 16
6845	ENSG00000143549	TFM3	9623	0.09	protein_coding	1	15417784	15416724	trypomycin 3
6851	ENSG00000145691	TNP1	9772	0.09	protein_coding	5	15049056	15047138	TNPAP1 interacting protein 1
7002	ENSG00000102111	CR2	9821	0.09	protein_coding	1	545261	545261	CD22 molecule
7036	ENSG00000123728	RAP2C	9828	0.09	protein_coding	X	131337053	131335741	RAP2C, member of RAS oncogene family
7078	ENSG00000255339	NDUF8	9845	0.09	protein_coding	10	102265385	102289638	NADH dehydrogenase (ubiquinone) 1 beta subcomplex subunit 8, mitochondrial, Uncharacterized
7087	ENSG00000182952	HMGNA2	9851	0.09	protein_coding	6	26538633	26546482	high mobility group nucleosomal binding domain 4
7098	ENSG00000190348	IMPDH1	9852	0.09	protein_coding	7	12803213	12809308	IMP dehydrogenase 1
7181	ENSG00000130295	IMPDH2	9852	0.09	protein_coding	2	2847028	2847028	intran mitochondrial interface 2
7377	ENSG00000171984	C20orf196	10119	0.09	protein_coding	20	5731039	5844558	chromosome 20 open reading frame 196
7422	ENSG00000104774	MAN2B1	10161	0.09	protein_coding	19	12757325	12777556	mannosidase, alpha, class 2B, member 1
7508	ENSG00000131348	NEGR1	10249	0.09	protein				

11016	ENSG00000189050	RNF11	13159	0.09	protein_coding	17	58029001	58042122	ring finger protein, transmembrane 1
11227	ENSG00000105681	RNF41	13209	0.09	protein_coding	5	17591208	17591208	17 ring finger protein 44
11304	ENSG00000202922	MRE11A	13403	0.09	protein_coding	11	94152895	94227074	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)
11457	ENSG0000079805	DNM2	13541	0.09	protein_coding	19	10828755	10844164	dynamin 2
11458	ENSG00000191860	SGTB	13578	0.09	protein_coding	5	64961759	65001262	small glutamine-rich tetrapeptide repeat (TPR)-containing, beta
11460	ENSG00000203681	AP3B2	13595	0.09	protein_coding	1	24451736	24451736	adenylyl cyclase synthase
11593	ENSG00000100938	GMPPR2	13651	0.09	protein_coding	14	24701628	24708448	guanosine monophosphate reductase 2
11601	ENSG00000000756	RIMS	13659	0.09	protein_coding	3	50128341	50128454	RNA binding motif protein 5
11852	ENSG00000180011	ZNF42	13875	0.09	protein_coding	18	72927063	72927063	zinc binding alcohol dehydrogenase domain containing 2
11853	ENSG00000122992	SMU1	13875	0.09	protein_coding	9	53041762	53076665	smu-1 suppressor of me-8 and unc-52 homolog (C. elegans)
11853	ENSG00000131725	WDR44	13877	0.09	protein_coding	4	117480306	117588264	WD repeat domain 44
2039	ENSG00000189785	STRN1	14013	0.09	protein_coding	14	31893005	31893005	stratin, octadecanul binding protein 3
10283	ENSG00000111853	ING4	14445	0.09	protein_coding	12	6758446	6772314	inhibitor of growth family member 4
12269	ENSG00000145246	ATP10D	14174	0.09	protein_coding	4	41481305	41709503	ATPase, class V, type 10D
20334	ENSG00000139398	APX	14229	0.09	protein_coding	9	100437481	100459638	xeroderma pigmentosum complementation group A
12414	ENSG00000166747	AP1G1	14289	0.09	protein_coding	16	71762913	71843104	adaptor-related protein complex 1, gamma 1 subunit
12424	ENSG00000110172	CHORDC1	14293	0.09	protein_coding	11	89943426	89965632	cysteine and histidine-rich domain (CHORD) containing 1
10567	ENSG00000145534	NAK3B	14413	0.09	protein_coding	7	11762498	11762498	N-acetyltransferase 3, N-ac ac auditory subunit
12638	ENSG00000100393	EP300	14457	0.09	protein_coding	22	41487790	41476081	E1A binding protein p300
12796	ENSG00000107329	LARP4B	14475	0.09	protein_coding	10	854844	873764	La ribonucleoprotein domain family, member 4B
10008	ENSG00000131750	ALDH9B1	14592	0.09	protein_coding	11	10212452	10218972	aldehyde dehydrogenase family 9, class 2
10049	ENSG00000165591	FAAH2	14573	0.09	protein_coding	8	57313139	57315629	fatty acid amide hydrolase 2
10305	ENSG00000090886	USP41	14755	0.09	protein_coding	1	2204791	22110099	ubiquitin specific peptidase 48
10307	ENSG00000107538	DHR13	14785	0.09	protein_coding	17	27224789	27220009	dehydrogenase (GDR family), member 13
13125	ENSG00000202577	MUC12	14809	0.09	protein_coding	7	100812904	100862230	mucin 12, cell surface associated
13294	ENSG00000106933	COAT1	14847	0.09	protein_coding	7	43848055	43897816	cytochrome c oxidase assembly factor 1 homolog (S. cerevisiae)
13415	ENSG00000100888	CHCH4	15034	0.09	protein_coding	14	21853353	21854285	chromodomain helicase DNA binding protein 8
13484	ENSG00000105863	ADAP1	15068	0.09	protein_coding	7	937540	950643	AdGAP with dual PH domains 1
13523	ENSG00000085256	SPEN	15115	0.09	protein_coding	1	4671359	46826955	spen family transcriptional repressor
13586	ENSG00000107862	CHST2	15133	0.09	protein_coding	4	11731208	11732078	chondroitinase VI, nuclear domain 91
13768	ENSG00000143614	GATAD2B	15288	0.09	protein_coding	1	15377201	15385851	GATA zinc finger domain containing 2B
13903	ENSG00000144820	GPR128	15403	0.09	protein_coding	3	100328433	100414233	G protein-coupled receptor 128
14054	ENSG0000014373	CEP350	15513	0.09	protein_coding	12	17692375	17692375	cephalopod-specific protein 11, member 2
14156	ENSG00000127960	PEX1	15585	0.09	protein_coding	7	92116334	92157845	peroxisomal biogenesis factor 1
14369	ENSG00000111554	MDM1	15754	0.09	protein_coding	12	68662223	68726126	Mdm1 nuclear protein homolog (mouse)
14403	ENSG00000105513	SLIT1	15761	0.09	protein_coding	17	60117683	60117683	netrin-1-like protein 1
14451	ENSG00000198466	ZNF587	15821	0.09	protein_coding	19	58361225	58376480	zinc finger protein 587
14476	ENSG000000009413	REV3L	15838	0.09	protein_coding	6	111602234	11180418	REV3-like polymerase (DNA directed), zeta, catalytic subunit
14476	ENSG00000105498	REV3B	15838	0.09	protein_coding	16	237316	237316	endoplasmic reticulum protein 30, alpha subunit
14693	ENSG00000154265	ABCA3	15851	0.09	protein_coding	17	67240452	67253385	ATP-binding cassette, sub-family A (ABC1), member 5
14764	ENSG00000101839	CEP128	16053	0.09	protein_coding	18	12991381	13125051	centrosomal protein 192kDa
15028	ENSG00000105688	FLRT2	16044	0.09	protein_coding	14	7804148	7804148	feline leukemia virus subgroup C cellular receptor family, member 2
15228	ENSG00000173585	CCR3	16431	0.09	protein_coding	3	45927996	45944667	chemokine (C-C motif) receptor 5
15239	ENSG00000186211	SPIC	16436	0.09	protein_coding	12	10186199	10188075	Sp1-C transcription factor (Sp1-1PU1 related)
15286	ENSG0000006524	LINC	16447	0.09	protein_coding	15	41758826	41800065	ribonucleic receptor tyrosine kinase 4
15362	ENSG00000150484	CLEC1A	16518	0.09	protein_coding	10	10221221	10221221	C-type lectin domain family 1, member A
15428	ENSG00000120519	SLC10A7	16589	0.09	protein_coding	4	14717127	147443123	solute carrier family 10, member 7
15513	ENSG00000202580	ERC2C	16635	0.09	protein_coding	10	50863416	50747564	excision repair cross-complementing repair deficiency, complementation group 6
15517	ENSG00000204713	TRIP12	16637	0.09	protein_coding	16	160071077	160071077	thyroid receptor interacting protein 27
15903	ENSG00000196670	ZFP62	16649	0.09	protein_coding	5	18027411	18028286	ZFP62 zinc finger protein
15930	ENSG00000086739	AT12B1	16662	0.09	protein_coding	14	96747395	96836207	autophagy related 26
15984	ENSG0000017626	RPS142	17002	0.09	protein_coding	11	22918054	22949418	ribosomal protein S4, T-linked 2
16088	ENSG00000079134	THOC1	17099	0.09	protein_coding	18	214520	260550	THO complex 1
16246	ENSG00000129156	SERF3C	17217	0.09	protein_coding	11	17609959	1804379	secretion regulating guanine nucleotide exchange factor
16376	ENSG00000100669	CHH2	17219	0.09	protein_coding	17	29161890	29161890	chromatin remodelling factor 2
16383	ENSG00000137070	IL1RA	17313	0.09	protein_coding	9	34650569	34681889	interleukin 1 receptor, alpha
16524	ENSG00000128883	NUP214	17415	0.09	protein_coding	9	13400598	134110057	nucleoporin 214kDa
16591	ENSG00000100786	SLC22A1	17520	0.09	protein_coding	13	4214082	42512667	von Willibrand factor A domain containing 8
16653	ENSG00000132517	SLC22A1	17521	0.09	protein_coding	17	4535885	4595304	solute carrier family 22 (nifluminate transporter), member 1
16689	ENSG00000197969	VPS13A	17550	0.09	protein_coding	9	79792299	80036457	vacuolar protein sorting 13 homolog A (S. cerevisiae)
16728	ENSG00000100612	CHH3	17612	0.09	protein_coding	12	61564811	61564811	basic acid binding to the lectin (hemagglutinin)
16838	ENSG00000137486	IL18BP	17671	0.09	protein_coding	11	71709587	71716781	interleukin 18 binding protein
16961	ENSG00000119944	IL23A	17747	0.09	protein_coding	12	5873265	58734193	interleukin 23, alpha subunit p19
16980	ENSG00000100637	TRIP13	17759	0.09	protein_coding	12	9847365	9847365	transformator/transcription factor-associated protein
16990	ENSG00000149635	OSTAMP	17768	0.09	protein_coding	20	45168585	45179213	osteoclast stimulatory transmembrane protein
17064	ENSG00000000525	OSBP1P	17827	0.09	protein_coding	17	45584738	45599200	osvaldin binding protein-like 7
1712	ENSG00000118320	ATP10B	17830	0.09	protein_coding	5	15999107	16029221	ATPase, class V, type 10B
17323	ENSG00000198670	LPA	18006	0.09	protein_coding	6	16095215	16108740	lipoprotein, Lp(a)
17424	ENSG00000104285	TRPM2	18079	0.09	protein_coding	21	45770445	45829264	transient receptor potential cation channel, subfamily M, member 2
17533	ENSG00000103138	RASGEF2	18168	0.09	protein_coding	8	80226176	80226176	Ras protein-specific guanine nucleotide-releasing factor 2
17560	ENSG00000204360	ITFG2	18168	0.09	protein_coding	12	4305282	43091517	zinc finger protein 487
17616	ENSG0000011203	ITFG2	18169	0.09	protein_coding	12	2921788	2986957	integrin alpha 5-GAP repeat containing 2
17643	ENSG00000100959	SLC22A1	18244	0.09	protein_coding	13	18569138	18569138	solute carrier family 22, alpha subunit 1
17830	ENSG00000184999	SLC22A10	18371	0.09	protein_coding	10	62905339	63137190	solute carrier family 22, member 10
17883	ENSG00000191940	FBLN13	18485	0.09	protein_coding	7	102453306	102715886	F-box and leucine-rich repeat protein 13
17917	ENSG00000100558	TRIP12	18492	0.09	protein_coding	16	789827	789827	glycyl-aspartic acid kinase 3
18011	ENSG00000201484	FER1L8	18503	0.09	protein_coding	8	124884227	12512302	fer-1-like (C. elegans)
18072	ENSG00000198172	ZNF681	18552	0.09	protein_coding	19	23991987	23991987	zinc finger protein 681
18211	ENSG0000015468	ELMO3	18583	0.09	protein_coding	16	8588195	8588195	ELMO/CED-12 domain containing 3
18370	ENSG00000158222	SLC22A1	18779	0.09	protein_coding	15	85427885	85518876	solute carrier family 28 (concentrative nucleoside transporter), member 1
18376	ENSG00000208302	ZNF234	18783	0.09	protein_coding	19	44845710	44845710	zinc finger protein 234
18484	ENSG00000100197	CCDC42	18865	0.09	protein_coding	17	853465	853465	coiled-coil domain containing 42
18548	ENSG00000181103	USP30	18909	0.09	protein_coding	22	1983424	1983424	Ubiquitin-like protein 22
18556	ENSG000000006194	ZNF263	18912	0.09	protein_coding	16	3313743	3351401	ZNF263-like protein 263
18607	ENSG00000192139	KCNK13	18943	0.09	protein_coding	14	66520109	66520109	potassium channel, subfamily K, member 13
18669	ENSG00000117601	TRIP13	18943	0.09	protein_coding	16	17110679	17110679	lysin spermatid monooxygenase 1, Lys100
18797	ENSG00000183350	MARGP1	19068	0.09	protein_coding	11	3248628	3253616	MAS-related GPR, member E
18824	ENSG00000138635	RGS3	19109	0.09	protein_coding	8	116039113	116039113	regulator of G protein signaling 3
18841	ENSG00000100268	SLC18A3	19131	0.09	protein_coding	17	72918154	72949687	SLC18A3-like protein 3
18808	ENSG00000079974	RABL2B	19187	0.09	protein_coding	22	51205629	51222091	RAB, member of RAS oncogene family-like 2
18834	ENSG00000186596	C12orf93	19216	0.09	protein_coding	12	8686349	8709933	chromosome 12 open reading frame 55
18846	ENSG00000100684	SKI3	19216	0.09	protein_coding	12	48202663	48218407	skid, RAS effector 3
18945	ENSG000002046789	USP28	19222	0.09	protein_coding	5	51303865	51303865	Ubiquitin-related protein
18957	ENSG000001001704	RIPE	19224	0.09	protein_coding	6	26091509	26095971	homonucleotins
18961	ENSG00000182786	ORF729	19226	0.09	protein_coding	2	248721784	248721784	olfactory receptor family 2, subfamily 1, member 29

20642	ENSG00000144229	THSD7B	20527.3	0.09	protein_coding	2	137523115	138435287	thrombospondin, type I, domain containing 7B
20643	ENSG00000105441	CCZC172	20527.3	0.09	protein_coding	10	118091401	118109140	collet-coil domain containing 172
20664	ENSG00000189777	TAS2R1	20546.0	0.09	protein_coding	5	9629109	9712490	taste receptor, type 2, member 1
20683	ENSG00000202626	SMN21	20559.2	0.09	protein_coding	18	73121431	73139658	small integral membrane protein 21
20715	ENSG00000151912	SLC39F4	20579.1	0.09	protein_coding	14	5803207	5803207	solute carrier family 39, member 4
20722	ENSG00000111231	KCNMB3	20579.1	0.09	protein_coding	1	17895730	178984796	potassium large conductance calcium-activated channel, subfamily M beta member 3
20739	ENSG00000206549	PRSS50	20602.2	0.09	protein_coding	3	46738065	46854064	protease, serine, 50
20760	ENSG00000071346	MOV10L1	20616.2	0.09	protein_coding	22	50528206	50600119	Mov10L1, Moloney leukemia virus 10-like 1, homolog (mouse)
20764	ENSG00000003938	DNMHS	20619.9	0.09	protein_coding	5	13693440	13693440	5,6-dimethyl-tryptophan, homolog, heavy chain 5
20765	ENSG00000224586	GPK5	20621.9	0.09	protein_coding	6	28493702	28502729	glutathione peroxidase 5 (epididymal androgen-related protein)
20790	ENSG00000214611	CYFPA3	20639.9	0.09	protein_coding	16	94622636	94663718	cytochrome P450, family 3, subfamily A, polypeptide 43
20800	ENSG00000231738	TSPAN19	20648.8	0.09	protein_coding	12	85408094	85430065	transmembrane protein 19
20849	ENSG00000180053	NKX2-6	20683.7	0.09	protein_coding	8	23599964	23641111	NK2 homeobox 6
20856	ENSG00000204391	ZNF692	20699.2	0.09	protein_coding	2	23729913	23747214	zinc finger protein 692
20884	ENSG00000206478	GUCY2D	20723.3	0.09	protein_coding	17	7909912	7923697	guanylate cyclase 2D, membrane (retina-specific)
20901	ENSG00000136653	NDOR1	20734.6	0.09	protein_coding	4	13248919	13250332	N-deacetyl-N-omega-tyrosine (tyrosine glucosaminyl) 4
20948	ENSG00000183629	GOLGA8G	20755.5	0.09	protein_coding	15	28764757	28778160	golgin A8 family, member G
20970	ENSG00000185910	DBX2	20770.4	0.09	protein_coding	12	45444855	45444862	developing brain homeobox 2
20996	ENSG00000202132	ZNF75	20795.0	0.09	protein_coding	20	24391524	24391619	zinc finger protein 75
21022	ENSG00000100433	KCNK10	20808.1	0.09	protein_coding	14	88649113	88765251	potassium channel, subfamily K, member 10
21064	ENSG00000225556	CD3D4D	20840.2	0.09	protein_coding	1	151810295	151810333	C2 calcium-dependent domain containing 4D
21120	ENSG00000101959	CPSF4	20928.5	0.09	protein_coding	17	71244989	71258461	cleavage and polyadenylation specific factor 4 like
21187	ENSG00000164411	GAB7	20943.8	0.09	protein_coding	6	87959286	88038966	gap junction protein, beta 7, 25kDa
21194	ENSG00000129749	CHRNA10	20948.6	0.09	protein_coding	11	3688871	3692914	cholinergic receptor, nicotinic, alpha 10 (neuronal)
21226	ENSG00000102996	TMEM65	20981.0	0.09	protein_coding	17	7293442	7293506	transmembrane protein 65
21240	ENSG00000183067	IGSF5	20985.1	0.09	protein_coding	21	41117334	41147023	immunoglobulin superfamily, member 5
21273	ENSG00000153884	ALG12	21013.7	0.09	protein_coding	15	28623767	28627170	ALG12, alpha 1, 6-mannosyltransferase
21300	ENSG00000100000	C22orf2	21013.7	0.09	protein_coding	32	5232304	5232304	chromosome 22 open reading frame 24
21394	ENSG00000153593	ACOXL	21109.2	0.09	protein_coding	2	111480150	111487579	acyl-CoA oxidase-like
21489	ENSG00000204446	Cser170	21182.2	0.09	protein_coding	9	89733559	89774471	chromosome 9 open reading frame 170
21578	ENSG0000011778	NEL1	21267.7	0.09	protein_coding	2	21994887	21994887	neuroblastoma and pancreas 1
21592	ENSG00000118869	ZNF52	21267.7	0.09	protein_coding	19	56904914	56904914	zinc finger protein 52
21613	ENSG00000134445	FOXK4	21279.4	0.09	protein_coding	12	109715784	109747025	forkhead box M4
21633	ENSG00000103317	NR1H3	21321.0	0.09	protein_coding	12	38111807	38111807	NR1H3 receptor A10
21745	ENSG00000100341	STVL	21394.7	0.09	protein_coding	1	113069140	113163447	suppression of tumorigenicity 7 like
21749	ENSG00000182858	ALG12	21396.5	0.09	protein_coding	22	50258877	50312106	ALG12, alpha 1, 6-mannosyltransferase
21753	ENSG00000100453	ZNF568	21409.8	0.09	protein_coding	14	21498021	21498021	zinc finger protein 568
21791	ENSG00000139549	DHH	21421.0	0.09	protein_coding	12	49483204	49489602	desert hedgehog
21827	ENSG00000213285	TSGA13	21447.8	0.09	protein_coding	7	13033488	13037288	tetraspanin, class 13
21868	ENSG00000100456	C5orf7	21468.7	0.09	protein_coding	8	9166578	9166578	chromosome 5 open reading frame 47
21938	ENSG00000178342	KCNKG2	21528.7	0.09	protein_coding	18	77962368	77969184	potassium voltage-gated channel, subfamily G, member 2
21940	ENSG00000183370	PCBP3	21530.8	0.09	protein_coding	21	47063808	47362368	poly(C) binding protein 3
21945	ENSG00000100960	PCDH7	21536.3	0.09	protein_coding	5	140213969	140391629	protodiscin alpha 7
21989	ENSG00000101138	SLC9C1	21569.0	0.09	protein_coding	3	111091744	111091744	solute carrier family 9, subfamily C (Na ⁺ -transporting carboxylic acid decarboxylase), member 1
22026	ENSG00000200852	CLCC16A	21602.0	0.09	protein_coding	16	11076046	11270768	C-type lectin domain family 16, member A
22151	ENSG00000183632	GOLG3L	21630.6	0.09	protein_coding	16	63965032	63965032	chromosome 3 open reading frame 49
22171	ENSG00000105261	OVOL3	21703.6	0.09	protein_coding	19	36604104	36604413	ovolo-like zinc finger 3
22177	ENSG00000189157	FAM147	21709.3	0.09	protein_coding	4	71131939	71204933	family with sequence similarity 47, member E
22187	ENSG00000166466	GRM2	21710.4	0.09	protein_coding	4	61741096	61741096	glutamate receptor, metabotropic 2
22196	ENSG00000253767	PCMG3	21726.3	0.09	protein_coding	5	140772381	140892346	protocadherin gene subfamily A, member 8
22205	ENSG00000110353	MIR3H8	21734.4	0.09	protein_coding	20	35729629	35807961	maestro host-like repeat family member B
22254	ENSG00000200276	ZNF839	21739.4	0.09	protein_coding	12	102713174	102713174	zinc finger protein 839
22273	ENSG00000155974	GRIP7	21778.7	0.09	protein_coding	12	68741211	67197966	glutamate receptor interacting protein 1
22281	ENSG00000198836	RTR3	21781.9	0.09	protein_coding	15	33863193	34158303	tyrosine receptor 3
22286	ENSG00000140026	ESRR2	21782.0	0.09	protein_coding	15	84502692	84578439	estrogen receptor 2 (ER beta)
22408	ENSG00000119522	DENDIA1	21878.8	0.09	protein_coding	9	126141933	12689241	DENMAD domain containing 1A
22446	ENSG00000112721	ACAD10	21908.1	0.09	protein_coding	12	112128857	112194993	acyl-CoA dehydrogenase family, member 10
22511	ENSG00000111921	KIF11	21934.6	0.09	protein_coding	12	131563541	131563541	cytosine cytoskeletal motor, cytoplasmic
22589	ENSG00000214378	VSTM2	22099.2	0.09	protein_coding	11	93551398	93558897	V-set and transmembrane domain containing 5
22601	ENSG00000102953	ZC1H12B	22181.5	0.09	protein_coding	X	64709815	64727767	zinc finger CCHC-type containing 12B
22613	ENSG00000181118	ZDHHC11	22181.5	0.09	protein_coding	8	7102119	7102119	zinc finger, DHHC-type containing 11
23057	ENSG00000258495	ZNF52	22396.9	0.09	protein_coding	15	80637195	80695917	zinc finger protein 52
23115	ENSG00000173040	EVCC2	22437.7	0.09	protein_coding	4	5544499	55711275	Uchradactylin protein
23174	ENSG00000105613	LMBL1L1	22496.4	0.09	protein_coding	20	12444444	12444444	ELAV-like protein 1 (Drosophila)
23286	ENSG00000198724	ZNF418	22567.2	0.09	protein_coding	19	58433252	58446761	zinc finger protein 418
23523	ENSG00000080991	DZANK1	22748.2	0.09	protein_coding	20	18364011	18417625	double zinc finger and ankyrin repeat domains 1
23622	ENSG00000100433	KCNK10	22748.2	0.09	protein_coding	14	2417806	2417806	RNA, SS ribosomal pseudogene 88
19916	ENSG00000212497	rRNA	19969.4	0.09	rRNA	19	12138728	12138728	RNA, SS ribosomal pseudogene 405
20060	ENSG00000252060	rRNA	20067.2	0.09	rRNA	19	21107624	21207731	RNA, SS ribosomal pseudogene 484
20423	ENSG00000100448	rRNA	20423.2	0.09	rRNA	19	7396381	7396381	RNA, SS ribosomal pseudogene 343
20649	ENSG00000252246	rRNA	20534.2	0.09	rRNA	2	33557955	33558074	RNA, SS ribosomal pseudogene 92
20657	ENSG00000212578	rRNA	20638.7	0.09	rRNA	19	12217312	12217428	RNA, SS ribosomal pseudogene 467
20661	ENSG00000183628	rRNA	20638.7	0.09	rRNA	19	24388708	24388708	ATG10 intronic transcript 1 (non-protein coding)
21883	ENSG00000228447	sense_intronic	21883.0	0.09	sense_intronic	5	81287814	81288300	ATG10 intronic transcript 1 (non-protein coding)
19747	ENSG00000215333	LINC0189	18612.9	0.09	sense_intronic	21	30565801	30608026	long intergenic non-protein coding RNA 189
19857	ENSG00000100433	rRNA	19857.0	0.09	rRNA	6	5681076	5681076	Small nuclear RNA, SNORA46
19889	ENSG00000252118	rRNA	19838.7	0.09	rRNA	6	43511881	43512007	Small Cajal body specific RNA 15
19781	ENSG00000252230	rRNA	18627.1	0.09	rRNA	19	35128601	35128686	Small nuclear RNA, SNORD111
19806	ENSG00000100433	rRNA	19806.0	0.09	rRNA	6	39510788	39510788	Small nuclear RNA, SNORA67
19908	ENSG00000209907	SNORA70B	19421.3	0.09	rRNA	2	61644379	61644513	small nuclear RNA, HIACA box 70B
19934	ENSG00000202094	rRNA	19939.3	0.09	rRNA	10	73940816	73940747	Small nuclear RNA, SNORA36 family
20197	ENSG00000236026	rRNA	20191.4	0.09	rRNA	15	67510789	67570871	Small nuclear RNA, U113
20612	ENSG00000112624	rRNA	20606.4	0.09	rRNA	14	62190448	62190568	Small nuclear RNA, SNORA26
21610	ENSG00000211384	rRNA	21275.9	0.09	rRNA	14	77967369	77967483	Small nuclear RNA, SNORA32
19154	ENSG00000202697	rRNA	19154.6	0.09	rRNA	3	121314322	121314451	RNA, U6 small nuclear 62, pseudogene
19803	ENSG00000201891	rRNA	19803.3	0.09	rRNA	15	85933054	85933115	RNA, U6 small nuclear 78, pseudogene
12438	ENSG00000198335	rRNA	14381.8	0.09	rRNA	4	3045828	3045934	RNA, U6 small nuclear 204, pseudogene
14596	ENSG00000202601	rRNA	14591.1	0.09	rRNA	7	44162136	44162227	RNA, U6 small nuclear 109B, pseudogene
16214	ENSG00000202926	rRNA	16214.8	0.09	rRNA	6	38607940	38607940	RNA, U6 small nuclear 715, pseudogene
18542	ENSG00000202692	rRNA	18542.9	0.09	rRNA	7	111412416	111412535	RNA, U6 small nuclear 960, pseudogene
19186	ENSG00000202651	rRNA	19186.9	0.09	rRNA	13	42479524	42479580	RNA, U6 small nuclear 74, pseudogene
19187	ENSG00000202692	rRNA	19186.9	0.09	rRNA	13	80269411	80269477	RNA, U6 small nuclear 92, pseudogene
19345	ENSG00000211720	rRNA	19345.9	0.09	rRNA	12	52381441	52381441	RNA, U6 small nuclear 574, pseudogene
19478	ENSG00000211972	rRNA	19478.9	0.09	rRNA	1	64002382	64002441	RNA, U7 small nuclear 1

2229	ENSG00000198496	NBR2	21747.7	0.09	transcribed_unprocessed_pseu dogene	17	41277627	41030688	neighbor of BRCA1 gene 2 (non-protein coding)
2256	ENSG00000184845		22912.2	0.09	transcribed_unprocessed_pseu dogene	12	8385108	8395544	family with sequence similarity 30, member F, pseudogene
21815	ENSG00000242600	MLL1P	21837.6	0.09	unitary_pseudogene	10	81664654	81710062	mammose-binding lectin (protein A1), pseudogene
21848	ENSG00000239268	ABCAT1P	21982.1	0.09	unitary_pseudogene	10	239151	2476700	ATP-binding cassette, sub-family A (ABC1), member 11, pseudogene
4626	ENSG00000237888		7132.5	0.09	unprocessed_pseudogene	6	29520996	29521943	olfactory receptor, family 2, subfamily L, member 1, pseudogene
18670	ENSG00000239050		18596.9	0.09	unprocessed_pseudogene	4	25719704	25721700	MT-ND4 pseudogene 3
18784	ENSG00000239358		18942.3	0.09	unprocessed_pseudogene	1	119981624	119988199	hydroxy-delta-5-steroid dehydrogenase, 3 beta, pseudogene 2
19013	ENSG00000172971		19278	0.09	unprocessed_pseudogene	3	75688657	75673000	unc-59 homolog B3 pseudogene (C, elegans)
19344	ENSG00000176115		19527.6	0.09	unprocessed_pseudogene	9	6162331	61648373	agglutinin V, pseudogene 4
20288	ENSG00000229887		20341.8	0.09	unprocessed_pseudogene	Y	13488005	13488271	double homeobox 4 like 19
20339	ENSG00000215180	OR7E1P	20452.9	0.09	unprocessed_pseudogene	1	58513847	58514963	heterogeneous nuclear ribonucleoprotein A1 pseudogene 6
20874	ENSG00000203452		20481.6	0.09	unprocessed_pseudogene	17	15919786	15919857	olfactory receptor, family 2, subfamily E, member 122 pseudogene
20830	ENSG00000258567		20520.9	0.09	unprocessed_pseudogene	Y	13422584	13423057	zinc finger protein 25, pseudogene
20992	ENSG00000239929		20585	0.09	unprocessed_pseudogene	Y	13417233	13418499	double homeobox 4 like 18
20718	ENSG00000227584		20583	0.09	unprocessed_pseudogene	7	37294021	37291775	double homeobox 4 like 18
21180	ENSG00000235690		20939.2	0.09	unprocessed_pseudogene	10	45622766	45644382	MT-ND4 pseudogene 5
22748	ENSG00000236278		22147.4	0.09	unprocessed_pseudogene	3	75444221	75471294	cubilin (intrinsic factor-cobalamin receptor) pseudogene 3
3426	ENSG00000210268		3394.9	0.09	unprocessed_pseudogene	3	75444221	75471294	asparagine-linked glycosylation 1-like 6, pseudogene
4439	ENSG00000198444	FBA1	6895.7	0.09		X	154611749	154613449	coagulation factor VIII-associated 2
4708	ENSG00000228427		7247.1	0.09					
4758	ENSG00000202178		7322.8	0.09					
5573	ENSG00000236438		8314.2	0.09					
5886	ENSG00000238900		8640.3	0.09					
5931	ENSG00000227462		8711.6	0.09					
7462	ENSG00000226256		10206.8	0.09					
7474	ENSG00000213443		10219.1	0.09					
7905	ENSG00000237445		10340	0.09					
8448	ENSG0000021581		11089.2	0.09					
8845	ENSG0000021347		11249	0.09					
9104	ENSG00000243523		11631.7	0.09					
9486	ENSG00000213252		11919	0.09					
9686	ENSG00000250918		12007.8	0.09					
9829	ENSG00000239288		12219.8	0.09					
9929	ENSG0000021043		12287.4	0.09					
10785	ENSG00000251070		12956.9	0.09		10	48181416	48192556	BMX1 pseudogene 6
10771	ENSG0000025168		12985.1	0.09					
11154	ENSG00000258704		13265.9	0.09					
11247	ENSG00000231025		13341.5	0.09					
11398	ENSG0000025219		13478.1	0.09					
11427	ENSG00000238422		13511.2	0.09		8	124278882	124278985	Small nuclear RNA U13
11553	ENSG00000213872		13618.7	0.09					
11587	ENSG00000241679		13628.6	0.09					
11681	ENSG00000239268		13724.4	0.09					
11782	ENSG00000272849		13815.8	0.09					
11859	ENSG00000234202		13881.4	0.09					
11916	ENSG00000258411		13921.9	0.09					
12099	ENSG00000227413		14052	0.09					
12274	ENSG00000215585		14228.7	0.09					
12717	ENSG00000250911		14514.9	0.09					
12728	ENSG00000269553		14523.5	0.09					
13110	ENSG00000238402		14786.1	0.09		2	967237.1	9672474	Small nuclear RNA U13
13166	ENSG0000021169		14839.7	0.09					
13224	ENSG00000272812		14894.1	0.09					
13644	ENSG00000239533		15207.7	0.09					
13688	ENSG0000025267		15226.7	0.09					
13738	ENSG00000257246		15280.4	0.09					
14072	ENSG00000231834		15524.4	0.09					
14412	ENSG0000021700		15786.3	0.09					
14421	ENSG0000021046		15793.7	0.09					
14453	ENSG00000239636		15821.9	0.09					
14465	ENSG00000213443		15844.7	0.09					
14757	ENSG00000287627		16047.4	0.09					
14841	ENSG00000252181		16116.7	0.09					
15008	ENSG0000021156		16270	0.09					
15078	ENSG00000237169		16310.5	0.09					
15212	ENSG00000298891		16420.2	0.09		7	74999908	75005425	Uncharacterized protein
15283	ENSG00000251713		16485.3	0.09					
15388	ENSG00000272378		16538.5	0.09					
15556	ENSG00000258436		16674.6	0.09					
15688	ENSG0000027682		16681.3	0.09					
15692	ENSG00000132832		16698.6	0.09					
15681	ENSG00000232186		16754.6	0.09					
15691	ENSG0000025026	RMBP3B	16758	0.09		22	21737863	21743446	RBM3 binding protein 3B
15757	ENSG00000229870		16825.2	0.09					
15768	ENSG00000240040		16830.6	0.09					
16033	ENSG00000230538		17028.3	0.09					
16272	ENSG00000270294		17226.7	0.09					
16287	ENSG0000021732		17236.9	0.09		7	142104121	142104553	T cell receptor beta variable 6-9
16328	ENSG00000231528		17383.3	0.09					
16362	ENSG00000238401		17592.4	0.09		1	207212039	207212145	Small nuclear RNA U13
16459	ENSG00000249249		17668.9	0.09					
16684	ENSG00000242600		17655.6	0.09					
16728	ENSG00000217424		17659.6	0.09					
16789	ENSG00000263013		17812.7	0.09					
16821	ENSG00000246157		17868.7	0.09					
16811	ENSG00000216286		17711.6	0.09					
16852	ENSG00000223391		17741.4	0.09					
17011	ENSG00000248991		17788.1	0.09					
17040	ENSG00000239268		17898	0.09					
17087	ENSG00000250348		17843	0.09					
17298	ENSG00000281217		17855.6	0.09					
17368	ENSG00000202650		17866.9	0.09					
17288	ENSG00000272444		17879	0.09		10	48001603	48055018	N-acetylphosphine amidohydrolase (non-lysosomal ceramidase) 2C
17308	ENSG00000289431		17953.6	0.09					
17360	ENSG00000264726		18020.9	0.09					
17432	ENSG00000237520		18084.5	0.09					
17445	ENSG00000254407		18092.9	0.09					
17686	ENSG0000023103		18126.3	0.09					
17668	ENSG00000266368		18257.4	0.09					
17683	ENSG00000244894		18268	0.09					
17784	ENSG00000212703		18343.5	0.09					
17815	ENSG00000231648		18363.3	0.09					
17847	ENSG00000289176		18384	0.09					
17853	ENSG0000021931		18388.5	0.09					
17867	ENSG00000288601		18396.8	0.09		11	120328880	120330047	Uncharacterized protein
17898	ENSG00000238931		18418	0.09		1	86037232	86037335	Small nuclear RNA U13
17918	ENSG0000021513		18433.3	0.09					
17930	ENSG00000231576		18438.1	0.09					
17932	ENSG00000211990		18441.4	0.09					
17968	ENSG00000239267		18487.5	0.09					
17981	ENSG00000203511		18490.7	0.09					
18022	ENSG00000241782		18517.4	0.09					
18027	ENSG00000231638		18520.8	0.09					
18059	ENSG00000241042		18543	0.09					
18135	ENSG00000259390		18603	0.09					
18182	ENSG00000258249		18651	0.09					
18194	ENSG00000270344		18658	0.09					
18208	ENSG00000228190		18688.3	0.09					
18213	ENSG00000234431		18670.1	0.09					
18218	ENSG00000258115		18671.3	0.09					
18238	ENSG00000251852		18684.9	0.09					
18238	ENSG00000250991		18685.6	0.09					
18251	ENSG00000250991		18694.2	0.09					
18305	ENSG00000256604		18728.5	0.09					
18314	ENSG000002877								

18838	ENSG00000231780		19125.4	0.09				
18844	ENSG00000231488		19135.3	0.09				
18861	ENSG00000227824		19146.9	0.09				
18876	ENSG00000248719		19158.3	0.09				
18877	ENSG00000231720		19159.9	0.09				
18886	ENSG00000227388		19165.5	0.09				
18892	ENSG00000233741		19171.3	0.09				
18896	ENSG00000217746		19179.1	0.09				
18907	ENSG00000225268		19185.7	0.09				
18919	ENSG00000227852		19188.1	0.09				
18925	ENSG00000224947		19203.0	0.09	1	50965430	50965520	Y RNA
18928	ENSG00000237819	LOC10096701	19210.1	0.09	12	131780087	131782783	Protein-LOC10096701
18929	ENSG00000273148		19211.2	0.09				
18932	ENSG00000228818		19214.2	0.09	1	16237392	16237492	Small nuclear RNA U13
18961	ENSG00000225489		19231.3	0.09				
18969	ENSG00000224235		19244.9	0.09				
18972	ENSG00000225408		19246.5	0.09				
18973	ENSG00000225763		19246.8	0.09				
19003	ENSG00000248954		19270.1	0.09				
19030	ENSG00000252465		19291.6	0.09	2	161253340	161253479	RNA component of mitochondrial RNA processing endoribonuclease pseudogene 3
19049	ENSG00000229273		19300.4	0.09				
19066	ENSG00000228337		19318.4	0.09				
19112	ENSG00000248439		19352.4	0.09				
19121	ENSG00000223853		19359.7	0.09				
19130	ENSG00000224676		19365.4	0.09				
19164	ENSG00000239701		19393.6	0.09				
19180	ENSG00000215598		19400.6	0.09				
19203	ENSG00000214871		19418.6	0.09	7	23210780	23214503	Uncharacterized protein
19216	ENSG00000237025		19428.2	0.09				
19224	ENSG00000228620		19435.6	0.09	15	30935128	30935255	l18 small nuclear RNA
19226	ENSG0000021262		19438.6	0.09				
19246	ENSG00000208165		19451.3	0.09				
19268	ENSG00000224201		19464.2	0.09				
19289	ENSG00000233410		19481.2	0.09				
19291	ENSG000002087183		19483.1	0.09				
19292	ENSG00000211599		19483.9	0.09				
19306	ENSG00000200396		19494.9	0.09				
19311	ENSG00000272305		19500.1	0.09				
19324	ENSG00000228169		19510.4	0.09				
19339	ENSG00000258450		19525.6	0.09				
19346	ENSG00000228433		19528.7	0.09				
19357	ENSG00000228688		19533.9	0.09				
19387	ENSG00000228742		19559.1	0.09				
19391	ENSG00000258113		19562.1	0.09				
19398	ENSG00000208768		19567.1	0.09				
19424	ENSG00000245725		19582.5	0.09				
19428	ENSG00000236095		19584	0.09				
19432	ENSG00000224769		19588.1	0.09				
19461	ENSG00000270060		19612.4	0.09				
19473	ENSG00000240364		19621	0.09				
19474	ENSG00000225043		19622.6	0.09				
19478	ENSG00000217622		19626.4	0.09				
19500	ENSG00000208460		19637.4	0.09				
19519	ENSG00000208911		19653.5	0.09				
19553	ENSG00000222941		19677.3	0.09				
19554	ENSG00000208765		19677.3	0.09				
19563	ENSG000002081007		19681.4	0.09				
19604	ENSG00000209012		19717	0.09				
19632	ENSG00000236140		19735.5	0.09				
19643	ENSG00000236512		19742.2	0.09	15	62206624	62206875	RNA 7SL cytoplasmic 613, pseudogene
19646	ENSG00000228168		19744.1	0.09				
19650	ENSG00000208393		19745.9	0.09				
19673	ENSG00000208057		19749	0.09				
19676	ENSG00000221290		19771.5	0.09				
19680	ENSG00000271970		19772.9	0.09				
19683	ENSG000002081318		19775.1	0.09				
19684	ENSG00000228663		19776.1	0.09				
19690	ENSG000002084128		19782.4	0.09				
19723	ENSG00000258418		19808.7	0.09				
19728	ENSG00000223488		19817.3	0.09				
19730	ENSG00000228053		19817.9	0.09				
19734	ENSG00000208482		19822.2	0.09				
19768	ENSG00000255131		19839.8	0.09				
19769	ENSG00000259767		19846.5	0.09				
19770	ENSG00000236824		19848.8	0.09				
19774	ENSG00000228758		19847.1	0.09				
19778	ENSG00000231867		19849.6	0.09				
19783	ENSG00000233045		19851.6	0.09				
19811	ENSG00000231298		19881.7	0.09				
19813	ENSG00000257341		19881.9	0.09				
19814	ENSG00000248921		19882.1	0.09				
19821	ENSG00000231683		19892.3	0.09				
19825	ENSG00000259493		19897.7	0.09				
19833	ENSG00000218793		19902.3	0.09				
19846	ENSG00000232077		19907.9	0.09				
19851	ENSG000002007168		19910.8	0.09				
19858	ENSG00000236310		19913.3	0.09				
19874	ENSG00000208621		19932.4	0.09				
19881	ENSG00000208091		19933.4	0.09				
19910	ENSG00000258640		19962	0.09				
19911	ENSG00000227695		19963.5	0.09				
19912	ENSG00000248441		19965.6	0.09				
19917	ENSG00000228888		19970.6	0.09				
19919	ENSG00000216374		19970.7	0.09	6	48325899	48326093	eukaryotic translation elongation factor 1 alpha 1 pseudogene 42
19921	ENSG00000228438		19971.1	0.09				
19928	ENSG000002083547		19977.6	0.09				
19930	ENSG00000228573		19977.8	0.09				
19939	ENSG000002045115		19984	0.09				
19954	ENSG00000235721		19993	0.09				
19957	ENSG00000217617		19994.9	0.09				
19966	ENSG00000205431		19995.9	0.09				
19964	ENSG00000216917		19998.4	0.09				
19974	ENSG00000205331		20008.6	0.09				
19982	ENSG00000228962		20013.7	0.09				
20007	ENSG00000228062		20032.8	0.09				
20011	ENSG00000228897		20035.6	0.09				
20013	ENSG00000201084		20038.5	0.09				
20044	ENSG00000228243		20056.5	0.09				
20046	ENSG00000237032		20058.6	0.09				
20057	ENSG00000231645		20063.9	0.09				
20062	ENSG000002084009		20070.6	0.09				
20066	ENSG00000242088		20068.7	0.09				
20068	ENSG00000233688		20068.9	0.09				
20109	ENSG00000251144		20106.5	0.09				
20114	ENSG00000229777		20108.5	0.09				
20121	ENSG00000228633		20112.5	0.09				
20119	ENSG00000244281		20113	0.09				
20120	ENSG00000224174		20113.3	0.09				
20128	ENSG000002284893		20117.1	0.09				
20129	ENSG000002083802		20120.9	0.09				
20144	ENSG000002084413		20131.5	0.09				
20148	ENSG00000208737		20133.8	0.09				
20149	ENSG00000259446		20134.5	0.09				
20152	ENSG00000236021		20135.6	0.09				
20160	ENSG00000216076		20144.2	0.09				
20165	ENSG00000208423		20150.8	0.09				
20170	ENSG00000237920		20153.2	0.09				
20171	ENSG0000023172		20153.6	0.09				
20184	ENSG00000208942		20178.1	0.09				
20204	ENSG000002081568		20185.9	0.09				
20205	ENSG00000208695		20186.5	0.09				
20222	ENSG00000258495		20202	0.09	20	48338486	48338782	RNA 7SL cytoplasmic 197, pseudogene
20225	ENSG00000208683		20210.1	0.09				
20237	ENSG00000226113		20212.6	0.09				
20244	ENSG00000231168		20223.8	0.09				
20253	ENSG00000257811		20229.3	0.09				
20257	ENSG000002087000		20233.1	0.09				
20261	ENSG00000258448		20235.5	0.09				
20280	ENSG00000259299		20256.7	0.09				
20283	ENSG00000233928		20258.7	0.09				
20297	ENSG00000233624		20265.5	0.09				
20307	ENSG00000227863		20270.6	0.09				
20310	ENSG00000259710		20272.3	0.09				
20311	ENSG00000208316		20272.5	0.09				
20314	ENSG00000208632		20273.7	0.09	15	42073346	42076229	Uncharacterized protein
20315	ENSG00000226005		20274.3	0.09				
20317	ENSG00000208261		20277.6	0.09				
20323	ENSG00000232090		20280.7	0.09				
20325	ENSG000002086345		20281.4	0.09	22	36711989	36712246	RNA 7SL cytoplasmic 349, pseudogene
20333	ENSG00000244657		20287.1	0.09				
20336	ENSG000002087466		20289.5	0.09				

20340	ENSG00000239044		20294	0.09					
20343	ENSG00000211193		20397	0.09					
20349	ENSG00000204460		20303	0.09					
20350	ENSG000002089110		20303	0.09					
20352	ENSG000002097028		20304	0.09					
20364	ENSG000002011231		20317	0.09					
20365	ENSG000002081863		20317	0.09					
20367	ENSG000002040418		20319	0.09					
20372	ENSG000002029962		20326	0.09					
20379	ENSG000002060303		20334	0.09					
20381	ENSG000002025956		20339	0.09					
20405	ENSG000002030404		20349	0.09					
20409	ENSG000002037903		20354	0.09					
20412	ENSG000002022811		20359	0.09					
20418	ENSG000002021728		20359	0.09					
20425	ENSG000002066835		20361	0.09					
20427	ENSG000002044625		20361	0.09					
20428	ENSG000002027271		20361	0.09					
20444	ENSG000002072371		20375	0.09					
20459	ENSG00000204394		20390	0.09					
20466	ENSG000002020598		20396	0.09					
20467	ENSG000002058861		20400	0.09					
20470	ENSG000002020853		20404	0.09					
20491	ENSG000002022222		20417	0.09					
20493	ENSG000002072728		20422	0.09					
20494	ENSG000002050969		20422	0.09					
20504	ENSG000002029693		20426	0.09					
20507	ENSG000002023232		20427	0.09					
20508	ENSG000002026230		20428	0.09					
20528	ENSG000002041138		20445	0.09					
20533	ENSG000002036303		20450	0.09					
20544	ENSG000002083786		20457	0.09					
20547	ENSG000002029320		20459	0.09					
20566	ENSG000002072808		20479	0.09					
20568	ENSG000002022621		20479	0.09					
20569	ENSG000002023551		20485	0.09					
20581	ENSG000002020734		20489	0.09					
20585	ENSG000002068839		20491	0.09					
20593	ENSG000002029977		20494	0.09					
20601	ENSG000002081478		20499	0.09					
20604	ENSG000002072243		20500	0.09					
20608	ENSG000002024474		20501	0.09					
20608	ENSG000002071955	10	99179228	99185831				LOC64215 protein, Uncharacterized protein	
20616	ENSG000002033937		20506	0.09					
20617	ENSG000002024190		20510	0.09					
20627	ENSG000002028321		20520	0.09					
20644	ENSG000002024910		20527	0.09					
20652	ENSG000002025529		20537	0.09					
20656	ENSG000002045488		20542	0.09					
20663	ENSG000002047311		20544	0.09					
20670	ENSG000002029430		20548	0.09					
20674	ENSG000002049095		20555	0.09					
20680	ENSG000002026816		20556	0.09					
20684	ENSG000002073290		20559	0.09					
20685	ENSG000002020337	13	95351479	95351756				RNA, 7SL, cytoplasmic 585, pseudogene	
20688	ENSG000002057443		20561	0.09					
20687	ENSG000002083906		20562	0.09					
20684	ENSG000002029261		20566	0.09					
20686	ENSG000002028537		20568	0.09					
20700	ENSG000002024370	15	72904161	72904401				RNA, 7SL, cytoplasmic 485, pseudogene	
20701	ENSG000002025628		20571	0.09					
20702	ENSG000002083880	14	76821072	76821382				RNA, 7SL, cytoplasmic 747, pseudogene	
20712	ENSG000002037107		20576	0.09					
20728	ENSG000002020328		20587	0.09					
20731	ENSG000002028660		20593	0.09					
20732	ENSG000002071219		20593	0.09					
20733	ENSG000002024698		20594	0.09					
20738	ENSG000002068328		20599	0.09					
20744	ENSG000002051257	2	70129482	70129841				Uncharacterized protein	
20748	ENSG000002029922		20612	0.09					
20751	ENSG000002049923		20616	0.09					
20758	ENSG000002024630		20619	0.09					
20768	ENSG000002021405		20623	0.09					
20774	ENSG000002024165		20626	0.09					
20780	ENSG000002087373		20633	0.09					
20789	ENSG000002020508		20636	0.09					
20791	ENSG000002027540		20640	0.09					
20801	ENSG000002025434		20649	0.09					
20804	ENSG000002025587		20652	0.09					
20815	ENSG000002026914		20660	0.09					
20819	ENSG000002028845		20666	0.09					
20820	ENSG000002028912		20669	0.09					
20825	ENSG000002053591		20669	0.09					
20831	ENSG000002015263		20675	0.09					
20838	ENSG000002029691		20678	0.09					
20860	ENSG000002019704		20690	0.09					
20866	ENSG000002025112	10	72194585	72196314				Uncharacterized protein	
20873	ENSG000002024494		20697	0.09					
20882	ENSG000002020206		20707	0.09					
20889	ENSG000002087061		20711	0.09					
20891	ENSG000002046591		20715	0.09					
20896	ENSG000002020626		20718	0.09					
20905	ENSG000002037783		20725	0.09					
20910	ENSG000002020226		20730	0.09					
20917	ENSG000002022622		20738	0.09					
20933	ENSG000002070225		20747	0.09					
20935	ENSG000002025209		20748	0.09					
20949	ENSG000002028113		20756	0.09					
20952	ENSG000002056913		20757	0.09					
20954	ENSG000002051273		20758	0.09					
20964	ENSG000002020342		20760	0.09					
20961	ENSG000002055542		20764	0.09					
20972	ENSG000002099998		20771	0.09					
20973	ENSG000002067075		20772	0.09					
20974	ENSG000002072411		20772	0.09					
20981	ENSG000002023218		20780	0.09					
20990	ENSG000002024138		20788	0.09					
20995	ENSG000002058645		20794	0.09					
21006	ENSG000002082061		20799	0.09					
21013	ENSG000002020241		20802	0.09					
21017	ENSG000002028168		20804	0.09					
21029	ENSG000002082158		20814	0.09					
21032	ENSG000002021862		20815	0.09					
21042	ENSG000002020287		20821	0.09					
21045	ENSG000002024691		20822	0.09					
21049	ENSG000002021253		20825	0.09					
21050	ENSG000002059681		20826	0.09					
21054	ENSG000002035096		20829	0.09					
21072	ENSG000002051079		20845	0.09					
21089	ENSG000002059474		20859	0.09					
21099	ENSG000002023874		20866	0.09					
21103	ENSG000002041719		20868	0.09					
21110	ENSG000002011987		20874	0.09					
21123	ENSG000002057061		20886	0.09					
21128	ENSG000002043537		20887	0.09					
21131	ENSG000002089923		20893	0.09					
21132	ENSG000002077236		20894	0.09					
21134	ENSG000002086286		20896	0.09					
21142	ENSG000002086266		20904	0.09					
21145	ENSG000002054847		20905	0.09					
21150	ENSG000002029407		20911	0.09					
21154	ENSG000002018451		20915	0.09					
21176	ENSG000002037978		20935	0.09					
21178	ENSG000002024448		20937	0.09					
21181	ENSG000002026278		20938	0.09					
21184	ENSG000002025367		20942	0.09					
21186	ENSG000002031291		20942	0.09					
21188	ENSG000002023264		20948	0.09					
21201	ENSG000002058753		20950	0.09					
21202	ENSG000002029230		20950	0.09					
21205	ENSG000002011842		20951	0.09					
21207	ENSG000002068689	5	176787675	176787919				RNA, 7SL, cytoplasmic 862, pseudogene	
21216	ENSG000002080008		20968	0.09					
21220	ENSG000002020245		20970	0.09					
21222	ENSG000002049908		20973	0.09					
21221	ENSG000002053952		20975	0.09					
21232	ENSG000002060670	3	185699825	185700083				RNA, 7SL, cytoplasmic 637, pseudogene	
21236	ENSG000002072084		20982	0.09					
21242	ENSG000002040553		20986	0.09					
21243	ENSG000002025193		20986	0.09					
21244	ENSG000002025350		20988	0.09					

21249	ENS0000020251478		20993.2	0.09					
21254	ENS000002021198		20999.1	0.09					
21279	ENS0000020256159		21018.4	0.09	9	46385691	46387031		family with sequence similarity 27, member E1
21289	ENS0000020220443		21026.9	0.09					
21291	ENS000002024163		21027.6	0.09					
21295	ENS000002021756		21030.9	0.09					
21299	ENS0000020224184		21032.9	0.09					
21306	ENS000002022901		21037.9	0.09					
21309	ENS000002024925		21054.8	0.09					
21342	ENS0000020256557		21063.4	0.09					
21344	ENS0000020256876		21065.9	0.09					
21354	ENS0000020256484		21073.3	0.09					
21358	ENS0000020230884		21075.5	0.09					
21360	ENS00000196987	LOC100996465	21078.1	0.09	X	153148127	153154444		Putative lung carcinoma-associated protein 10
21366	ENS000002022905		21084.4	0.09					
21367	ENS000002022905		21084.1	0.09					
21372	ENS000002026186		21089.8	0.09					
21381	ENS000002022768		21098.7	0.09					
21386	ENS0000020251538		21110.6	0.09					
21397	ENS0000020258592		21111.7	0.09					
21401	ENS0000020220293		21114.4	0.09					
21408	ENS0000020254632		21123.4	0.09					
21412	ENS0000020272479		21125.8	0.09					
21422	ENS000002021045		21132.8	0.09					
21443	ENS0000020225123		21152	0.09					
21449	ENS0000020268844		21156.7	0.09					
21457	ENS0000020228492		21165.1	0.09					
21461	ENS0000020285516		21167.7	0.09					
21475	ENS0000020281839		21175.4	0.09					
21502	ENS0000020258662		21185.6	0.09					
21505	ENS0000020229109		21196.5	0.09					
21511	ENS000002024865		21201.2	0.09					
21512	ENS000002021212		21201.3	0.09	17	36387075	36387176		Y RNA
21520	ENS0000020258179		21209.2	0.09					
21526	ENS0000020259615		21211.5	0.09					
21528	ENS0000020227627		21211.7	0.09					
21534	ENS0000020277115		21216	0.09					
21541	ENS0000020238526		21222.1	0.09	1	150234093	150234196		Small nuclear RNA U13
21542	ENS0000020226929		21223.4	0.09					
21545	ENS0000020251574		21224.5	0.09					
21549	ENS0000020224609		21226.9	0.09					
21553	ENS0000020229298		21232.3	0.09					
21556	ENS000002021412		21236	0.09					
21568	ENS0000020228115		21245.8	0.09					
21574	ENS0000020246661		21252.3	0.09					
21587	ENS0000020229681		21256.8	0.09					
21627	ENS000002021709		21290.8	0.09					
21629	ENS0000020248978		21292.7	0.09					
21636	ENS0000020234264		21298.6	0.09					
21638	ENS0000020236580		21299.8	0.09					
21642	ENS0000020269941		21304	0.09					
21649	ENS0000020251164		21310.4	0.09					
21657	ENS0000020269686		21317.6	0.09	2	133874577	133876625		HCG2006742; Protein LOC100996885
21660	ENS000002027845		21319	0.09					
21661	ENS0000020269695		21321.4	0.09					
21668	ENS0000020243813		21330.7	0.09					
21678	ENS0000020253984		21334.6	0.09					
21682	ENS0000020211985		21338.6	0.09					
21687	ENS000002027070		21343.3	0.09					
21711	ENS0000020228192		21363.1	0.09					
21721	ENS0000020258192		21371.3	0.09					
21728	ENS0000020272444		21379.8	0.09					
21731	ENS0000020259049		21381.6	0.09					
21736	ENS0000020221291		21384.5	0.09					
21737	ENS0000020256108		21384.7	0.09					
21746	ENS0000020241761		21395.3	0.09	7	66445107	66445395		RNA, 7SL, cytoplasmic 43, pseudogene
21766	ENS0000020210269		21399.6	0.09					
21764	ENS000002023109		21402	0.09					
21766	ENS0000020237752		21405.8	0.09					
21767	ENS000002021632		21406.3	0.09					
21769	ENS0000020251138		21407.7	0.09					
21787	ENS0000020269892		21416.6	0.09					
21792	ENS000002021214		21421.1	0.09					
21794	ENS0000020225905		21421.4	0.09					
21806	ENS0000020239851		21433.2	0.09					
21811	ENS0000020210268		21433.5	0.09					
21816	ENS0000020261771		21438.8	0.09					
21830	ENS0000020228293		21451.2	0.09					
21847	ENS0000020226577		21461.8	0.09	2	85759467	85759749		RNA, 7SL, cytoplasmic 830, pseudogene
21851	ENS0000020255991		21463.2	0.09					
21887	ENS0000020218346		21497.1	0.09	6	26630782	26632007		vomerin5L1 receptor 14 pseudogene
21893	ENS0000020252077		21501.1	0.09					
21898	ENS0000020249440		21502.5	0.09					
21913	ENS0000020272070		21512.9	0.09					
21916	ENS000002021868		21514	0.09					
21918	ENS000002021195		21516.7	0.09					
21939	ENS0000020215504		21530.2	0.09	11	85543600	85565986		CDNA FLJ26432 fs, clone KDN01418. Uncharacterized protein
21951	ENS0000020246034		21542	0.09	5	140240341	140243224		Uncharacterized protein; cDNA FLJ34090 fs, clone FC6BF3006399
21957	ENS0000020254971		21546.6	0.09					
21967	ENS0000020219755		21552.4	0.09					
21988	ENS0000020269207		21562.6	0.09					
21988	ENS0000020231168		21563.3	0.09					
21992	ENS0000020272945		21567.2	0.09					
21993	ENS0000020260729		21567.8	0.09					
21996	ENS0000020249696		21569.6	0.09					
22029	ENS0000020260790		21603.3	0.09					
22065	ENS0000020236602		21632	0.09					
22068	ENS0000020226916		21633.5	0.09					
22080	ENS0000020236431		21643.9	0.09					
22110	ENS0000020253961		21662.6	0.09					
22121	ENS0000020237693		21664.8	0.09					
22123	ENS0000020231839		21669.7	0.09					
22143	ENS0000020244885		21684.1	0.09					
22146	ENS000002023198		21687.7	0.09					
22147	ENS0000020253299		21689.5	0.09					
22162	ENS0000020216475		21712.9	0.09					
22202	ENS0000020230779		21730.6	0.09					
22210	ENS0000020244410		21736.3	0.09					
22222	ENS0000020270304		21744.5	0.09					
22224	ENS0000020221842		21746.3	0.09					
22228	ENS0000020248777		21747.5	0.09					
22230	ENS000002021181		21751.2	0.09					
22271	ENS0000020227068		21765.7	0.09					
22338	ENS0000020272983		21825.2	0.09					
22350	ENS0000020262185		21834.7	0.09					
22371	ENS000002021178		21854.3	0.09					
22381	ENS000002027298		21858.9	0.09					
22392	ENS000002024862		21865.3	0.09					
22398	ENS0000020226337		21867.8	0.09					
22399	ENS0000020249655		21873.1	0.09					
22410	ENS000002027082		21879	0.09					
22498	ENS000002023265		21941.3	0.09					
22504	ENS000002023393		21942.9	0.09					
22509	ENS0000020243568		21947.9	0.09					
22510	ENS000002023296		21949.2	0.09					
22513	ENS0000020229385		21950.3	0.09					
22519	ENS0000020213703		21956.5	0.09					
22580	ENS0000020290790		22010.3	0.09					
22584	ENS0000020232906		22011.6	0.09					
22593	ENS0000020264949		22021.9	0.09	9	507258	507553		RNA, 7SL, cytoplasmic 412, pseudogene
22619	ENS0000020262772		22041.6	0.09					
22648	ENS0000020260493		22066	0.09					
22818	ENS0000020258471		22201.8	0.09					
22877	ENS00000202187765		22247.4	0.09	19	52095036	52097630		HCG2008157; Uncharacterized protein; cDNA FLJ30403 fs, clone BRACE2008480
22884	ENS000002026969		22254.2	0.09					
22957	ENS0000020235934		22316.7	0.09					
23018	ENS000002021161		22370.5	0.09					
23069	ENS000002027292		22406.5	0.09					
23522	ENS0000020253966		22745.4	0.09					
12732	ENS000002027409		14207.2	0.08	antisense	1	39824423	39831878	ZMYM4 antisense RNA 1
16265	ENS0000020211402	C20orf166-AS1	17342.5	0.08	antisense	20	61141550	61148733	C20orf166 antisense RNA 1
16380	ENS0000020228111	MED4-AS1	18787.4	0.08	antisense	13	48651273	48654127	MED4 antisense RNA 1
18451	ENS0000020232160	RAP2C-AS1	18838.1	0.08	antisense	X	1131351175	113166890	RAP2C antisense RNA 1
20960	ENS0000020210984	ATP11A-AS1	20511.6	0.08	antisense	15	113389763	113390907	ATP11A antisense RNA 1
19618	ENS0000020287080	ASB16-AS1	19728.3	0.08	antisense	17	42253341	42264085	ASB16 antisense RNA 1
19981	ENS0000020236859	NIFK-AS1	20073.6	0.08	antisense	2	122407228		

20853	ENSG00000184566	20888	1	0.08	antisense	11	33902189	33903338		HCG178579: PRK3787: Uncharacterized protein
20921	ENSG00000139927	20118	0.08	antisense	13	86116988	86116988			CLDN10 antisense RNA 1
20944	ENSG00000227352	20754	0.08	antisense	13	11779052	11779080			ARHGEP7 antisense RNA 1
21034	ENSG00000233695	20817	0.08	antisense	13	114518603	11454231			GAS1 antisense RNA 1
21168	ENSG00000206552	20924	0.08	antisense	3	42975741	42976277			RIBD301 antisense RNA 1
21546	ENSG00000231959	21028	0.08	antisense	3	110289511	11029473			STC4B antisense RNA 1
21608	ENSG00000237556	21274	0.08	antisense	1	112451958	11245553			KCNJ5 antisense RNA 1
21643	ENSG00000246031	21805	0.08	antisense	X	102981004	102981420			TCEAL3 antisense RNA 1
21762	ENSG00000237368	21414	0.08	antisense	10	11117094	11140436			HOXA distal transcript antisense RNA
21783	ENSG00000237368	21414	0.08	antisense	10	11117094	11140436			GELF2 antisense RNA 2
21885	ENSG00000231944	21475	0.08	antisense	X	7195209	71952190			FRHA1 antisense RNA 1
21908	ENSG00000173811	21225	0.08	antisense	3	42714921	42718950			CR13 antisense RNA 1
22131	ENSG00000269942	21673	0.08	antisense	2	241526117	241526117			CAPN10 antisense RNA 1 (head to head)
22201	ENSG00000232797	21942	0.08	antisense	3	40352293	40484620			ENP103 antisense RNA 1
22465	ENSG00000231814	21450	0.08	antisense	13	111160526	111160526			COL4A3C antisense RNA 1
22759	ENSG00000248786	22150	0.08	antisense	3	15477678	15480109			EAP1 antisense RNA 1
22973	ENSG00000225235	22257	0.08	antisense	X	134654008	134654599			DDX203 antisense RNA 1
23076	ENSG00000232779	22412	0.08	antisense	7	118184693	118192771			microRNA_2256-1
23267	ENSG00000235897	22556	0.08	antisense	3	196045201	196055401			TMSF19 antisense RNA 1
23463	ENSG00000225203	22703	0.08	antisense	13	79449647	79501420			TBC1D4 antisense RNA 1
23779	ENSG00000230920	22952	0.08	antisense	2	10411602	10411602			ROPN1L antisense RNA 1
23860	ENSG00000235903	23048	0.08	antisense	13	46626941	46627467			CPB2 antisense RNA 1
23927	ENSG00000213904	23086	0.08	antisense	19	4291280	43135007			LIPE antisense RNA 1
3379	ENSG00000211890	5327	0.08	IG_C_gene	14	10903226	10904272			immunoglobulin heavy constant alpha 2 (A2m marker)
3424	ENSG00000211562	5383	0.08	IG_C_gene	2	89156674	89157196			immunoglobulin kappa constant
1884	ENSG00000254030	16932	0.08	IG_C_pseudogene	22	23257805	23258097			immunoglobulin lambda constant 5 (pseudogene)
1957	ENSG00000230963	31092	0.08	IG_V_gene	2	23029190	23029375			immunoglobulin lambda variable 3.2
2209	ENSG00000211659	3455	0.08	IG_V_gene	2	23029190	23029375			immunoglobulin lambda variable 3.25
2483	ENSG00000211611	3821	0.08	IG_V_gene	2	89452625	89459859			immunoglobulin kappa variable 5-21 (non-functional)
3603	ENSG00000234466	4314	0.08	IG_V_gene	2	89243865	89243865			immunoglobulin lambda variable 1.5
2876	ENSG00000211644	4311	0.08	IG_V_gene	2	22876828	22877336			immunoglobulin lambda variable 1.5-1
3102	ENSG00000241755	4902	0.08	IG_V_gene	2	89304979	89310012			immunoglobulin kappa variable 1-9
1818	ENSG00000219338	4501	0.08	IG_V_pseudogene	14	10651400	10651400			immunoglobulin heavy variable 3-7
3701	ENSG00000233951	5727	0.08	IG_V_gene	2	89442057	89442643			immunoglobulin kappa variable 3-20
19328	ENSG00000233889	19516	0.08	IG_V_pseudogene	14	10687342	106873995			immunoglobulin heavy variable (H) 3B-1 (pseudogene)
19343	ENSG00000233889	19516	0.08	IG_V_pseudogene	14	10687342	106873995			immunoglobulin heavy variable 1.42 (pseudogene)
7549	ENSG00000235366	10293	0.08	lncRNA	13	46255225	46256554			long intergenic non-protein coding RNA 1055
18679	ENSG00000268429	18629	0.08	lncRNA	17	10692630	10707416			long intergenic non-protein coding RNA 675
17638	ENSG00000175685	18223	0.08	lncRNA	2	11193397	11226977			MIR4581 host gene (non-protein coding)
18480	ENSG00000249697	18860	0.08	lncRNA	11	8278108	82817781			RAB30 antisense RNA 1 (head to head)
18488	ENSG00000229989	18863	0.08	lncRNA	1	18877652	18890958			MIR181A1 host gene (non-protein coding)
18983	ENSG00000237817	19254	0.08	lncRNA	8	1432768	1432768			cytochrome P450, family 4, subfamily F, polypeptide 3B, pseudogene
20296	ENSG00000229140	20294	0.08	lncRNA	8	13038937	13038942			coiled-coil domain containing 28
20961	ENSG00000253138	20476	0.08	lncRNA	8	67104328	67109550			long intergenic non-protein coding RNA 967
20881	ENSG00000269796	20493	0.08	lncRNA	16	14417394	14492577			osteocalcin and osteonin receptor pseudogene 3
19639	ENSG00000229169	20582	0.08	lncRNA	6	6173345	6173345			highly accelerated region 1A (non-protein coding)
20770	ENSG00000175699	20623	0.08	lncRNA	14	84463816	84467800			long intergenic non-protein coding RNA 521
20762	ENSG00000261772	20634	0.08	lncRNA	2	6750227	6750267			hla-mi-7515
19812	ENSG00000221272	20759	0.08	lncRNA	2	67502446	67503481			long intergenic non-protein coding RNA 1140
21060	ENSG00000225298	20835	0.08	lncRNA	21	2904668	2912352			long intergenic non-protein coding RNA 110
21102	ENSG00000178676	20960	0.08	lncRNA	18	61742243	61746264			long intergenic non-protein coding RNA 305
1836	ENSG00000191744	21217	0.08	lncRNA	14	204001515	204010393			long intergenic non-protein coding RNA 303
21645	ENSG00000212514	21285	0.08	lncRNA	20	61668500	61668300			long intergenic non-protein coding RNA 29
22403	ENSG00000233996	22092	0.08	lncRNA	8	19195621	1924644			KIF18B11 overlapping transcript 1 (non-protein coding)
20275	ENSG00000231866	22092	0.08	lncRNA	8	44881914	44881914			long intergenic non-protein coding RNA 313
22714	ENSG00000227477	22118	0.08	lncRNA	20	43592435	43592435			STK4 antisense RNA 1 (head to head)
23468	ENSG00000229735	22708	0.08	lncRNA	14	104314058	104324386			long intergenic non-protein coding RNA 637
1922	ENSG00000269512	892	0.08	miRNA	4	10632682	10632682			miR-4539
7357	ENSG00000207697	10103	0.08	miRNA	4	24521815	24521815			miR-573
14836	ENSG00000264419	16109	0.08	miRNA	1	11710268	11710273			miR-548c
15145	ENSG00000231465	16109	0.08	miRNA	1	1345966	1345966			miR-590
16257	ENSG00000221184	16449	0.08	miRNA	10	70518075	70519171			miR-591a-1
16216	ENSG00000237648	16792	0.08	miRNA	11	6485869	6485871			miR-591a-2
16965	ENSG00000217651	16929	0.08	miRNA	16	1184456	1184456			miR-591a-2b
17560	ENSG00000207562	18186	0.08	miRNA	8	15812763	15812850			miR-591a-30b
18192	ENSG00000237654	18657	0.08	miRNA	2	13642967	13642968			miR-591a-12b-1
18664	ENSG00000237653	18658	0.08	miRNA	12	3271713	3271713			miR-591a-55b
19041	ENSG00000265176	19302	0.08	miRNA	X	15324648	15324628			miR-591a-320a-1
19096	ENSG000002098104	19436	0.08	miRNA	20	61918160	61918218			miR-591a-432b
19540	ENSG00000230234	19524	0.08	miRNA	7	2972044	2972044			miR-591a-350a-3
20229	ENSG00000207586	20058	0.08	miRNA	12	9795750	9795769			miR-591a-135a-2
20373	ENSG00000269657	20327	0.08	miRNA	8	10416842	10416917			miR-591a-3151
19515	ENSG00000246375	20428	0.08	miRNA	6	1019845	1019845			miR-591a-42b5
20845	ENSG00000233495	20682	0.08	miRNA	2	20754759	20754832			miR-591a-310a-1
20893	ENSG00000269721	20715	0.08	miRNA	19	13031134	13031218			miR-591a-5695
21018	ENSG0000021862	20808	0.08	miRNA	11	3498347	3498347			miR-591a-1343
21100	ENSG00000233926	20868	0.08	miRNA	6	37523141	37523198			miR-591a-4452
21338	ENSG00000269688	21081	0.08	miRNA	7	97593717	97593933			miR-591a-592c-2
21584	ENSG00000205087	21206	0.08	miRNA	12	233843	233843			miR-591a-6717
21651	ENSG00000235111	21313	0.08	miRNA	10	687629	687718			miR-591a-569
21788	ENSG00000237340	21477	0.08	miRNA	3	11181648	11181745			miR-591a-567
22042	ENSG00000215291	21108	0.08	miRNA	18	11827209	11827313			miR-591a-125b-1
22266	ENSG00000268704	21774	0.08	miRNA	12	12059328	12059338			miR-591a-4458
22293	ENSG00000265596	21793	0.08	miRNA	2	11907501	11907651			miR-591a-548b
24042	ENSG00000237551	21873	0.08	miRNA	10	10273472	10273483			miR-591a-608
22996	ENSG00000237551	21873	0.08	miRNA	10	10273472	10273483			miR-591a-9710
8391	ENSG00000206920	11044	0.08	misc. RNA	13	5210068	5210068			RNA, R-associated Y1 pseudogene 6
10800	ENSG00000236964	12995	0.08	misc. RNA	6	8449996	84499275			RNA, 7SL cytoplasmic 74a, pseudogene
12927	ENSG00000202511	14809	0.08	misc. RNA	6	8896781	8896781			RNA, 7SL cytoplasmic 74b, pseudogene
14284	ENSG00000209922	15686	0.08	misc. RNA	9	74517371	74517466			Y RNA
15199	ENSG00000198551	16458	0.08	misc. RNA	18	2103635	2103641			RNA, 7SL, cytoplasmic 737, pseudogene
15864	ENSG00000204915	16920	0.08	misc. RNA	20	83963263	83963244			Y RNA
16115	ENSG00000231488	17209	0.08	misc. RNA	20	32971971	32971971			Y RNA
16224	ENSG00000232080	18922	0.08	misc. RNA	19	5891678	5891678			RNA, 7SL, cytoplasmic 84b, pseudogene
19066	ENSG00000240318	19627	0.08	misc. RNA	2	21527759	21528292			Y RNA
19924										

8990	ENSG00000103568	VITB1B	11535.7	0.08	protein_coding	14	68113792	68141548	vesicle transport through interaction with 15NNAE5 1B
9034	ENSG00000103568	EIF4B	11535.7	0.08	protein_coding	12	53392362	53401362	autophagy transition initiation factor 4B
9041	ENSG00000170937	GRP27	11562.2	0.08	protein_coding	3	71953201	71955447	G protein-coupled receptor 27
9075	ENSG00000111445	ELK3	11810.1	0.08	protein_coding	12	96581860	96636313	ELK3, ETS-domain protein (SRF accessory protein 2)
9119	ENSG00000215171	TMEM77B	11647.7	0.08	protein_coding	1	109632425	109639656	transmembrane protein 77B
9542	ENSG00000103568	TRKB	11810.1	0.08	protein_coding	1	12931015	12931015	tyrosine phosphatase 4
9547	ENSG00000169299	PGM2	12007.8	0.08	protein_coding	4	37828255	37844558	phosphoglucomutase 2
9548	ENSG00000196459	TRAPPC2	12020.9	0.08	protein_coding	X	13740368	13752154	trafficking protein particle complex 2
9561	ENSG00000189465	HERC5	12050.1	0.08	protein_coding	4	89378268	89427314	HECT and RLD domain containing E3 ubiquitin protein ligase 5
9621	ENSG00000202020	PP5R23C	12076.9	0.08	protein_coding	14	95554673	95591723	protein phosphatase 2, regulatory subunit B', gamma
9610	ENSG00000136148	TRAFD1	12201.6	0.08	protein_coding	12	112265305	112291407	TRAF-type zinc finger domain containing 1
9660	ENSG00000206865	PTC1	12278.1	0.08	protein_coding	12	110989101	1117394126	PTC1 protein phosphatase homolog (S. cerevisiae)
10054	ENSG00000300419	IKZF2	12291.4	0.08	protein_coding	2	213864429	21417151	IKAROS family zinc finger 2 (Helios)
10069	ENSG00000158062	NCK1	12402.3	0.08	protein_coding	3	13691050	13698868	NCK adaptor protein 1
10086	ENSG00000303816	MICAL2	12435.2	0.08	protein_coding	11	12185543	12205334	microtubule associated monooxygenase, carbon and LIM domain containing 2
10200	ENSG00000169228	RAB24	12500.8	0.08	protein_coding	5	176728199	176730745	RAB24, member RAS oncogene family
10306	ENSG00000128099	CHM1L1	12615.6	0.08	protein_coding	2	190635049	190649097	CHM1-like 1 (S. cerevisiae)
10384	ENSG00000100968	C11orf98	12619.1	0.08	protein_coding	11	16624639	16717428	chromosome 11 open reading frame 58
10513	ENSG00000172238	ATOH1	12741.6	0.08	protein_coding	4	94750042	94751221	atoh1 homolog 1 (Drosophila)
10533	ENSG00000109220	CHC2	12759.3	0.08	protein_coding	4	54815966	54830057	cytosolic-rich hydrophobic domain 2
10568	ENSG00000152020	CCNB3	12777.3	0.08	protein_coding	2	19831017	19834032	cyclin B3/homolog B (S. cerevisiae)
10569	ENSG00000112893	MAN2A1	12783.7	0.08	protein_coding	5	109025067	109025208	mannosidase, alpha class 2A, member 1
10600	ENSG00000186143	PP1R14D	12807	0.08	protein_coding	15	41107850	41120907	protein phosphatase 1, regulatory (inhibitor) subunit 14D
10686	ENSG00000300692	TBC1D1	13020	0.08	protein_coding	4	67982708	68140708	TBC1 (the DUSP) RGS2, zinc-finger domain family, member 1
10687	ENSG00000204439	C6orf47	13062.8	0.08	protein_coding	6	31628075	31628549	chromosome 6 open reading frame 47
10692	ENSG00000187824	TMEM220	13074.6	0.08	protein_coding	17	10628332	10638333	transmembrane protein 220
10928	ENSG00000105927	KDM1B	13094	0.08	protein_coding	4	18185960	18204984	lysine (K)-specific demethylase 1B
11006	ENSG00000142867	BCL10	13154.1	0.08	protein_coding	1	85731931	85742773	B-cell CLL1 lymphoma 10
11077	ENSG00000189661	PIAZ	13205.9	0.08	protein_coding	5	108970410	108974595	praja ring finger 2, E3 ubiquitin protein ligase
11123	ENSG00000100968	MIR6815	13250.1	0.08	protein_coding	1	19121	19121	major facilitator domain containing 5
11141	ENSG00000134884	ARSLG11	13255.3	0.08	protein_coding	13	107180410	107220512	arginine and glutamate rich 1
11211	ENSG00000089874	SRBD1	13311.9	0.08	protein_coding	2	45615819	45619304	SR RNA binding domain 1
11215	ENSG00000103785	SLC18A4	13328.8	0.08	protein_coding	1	158118280	158118280	solute carrier family 18, member 44
11219	ENSG00000153113	CAST	13322.2	0.08	protein_coding	5	95860971	96115299	calpastatin
11286	ENSG00000300300	PAI1	13387.4	0.08	protein_coding	15	68345517	68430306	protein inhibitor of activated STAT 1
11311	ENSG00000151718	CHST14	13392.1	0.08	protein_coding	15	75440274	75440274	chondroitin 6-sulfate transferase 14
11561	ENSG00000147905	ZCHC7	13525.1	0.08	protein_coding	9	37120536	37159146	zinc finger, CCHC domain containing 7
11611	ENSG00000136152	COG3	13667.3	0.08	protein_coding	13	40039060	40110705	component of oligosaccharyl glycosyl complex 3
11678	ENSG00000103568	ZNF108	13720	0.08	protein_coding	11	11418100	11418100	zinc finger, DHRF-type containing 6
11692	ENSG00000115419	CLS	13737.9	0.08	protein_coding	2	191745553	191830278	glutaminase
11768	ENSG00000189001	TRMT4	13806.7	0.08	protein_coding	2	70436676	70475792	TRMT4 cytosolic granule-associated RNA binding protein
11778	ENSG00000103568	NANP4	13821.1	0.08	protein_coding	1	296811	296811	nucleosome assembly protein 4-like 4
11788	ENSG00000410710	TRP	13821.6	0.08	protein_coding	1	186280784	186344825	translocated promoter region, nuclear basket protein
11931	ENSG00000138592	USP8	13926.2	0.08	protein_coding	15	50716577	50738280	ubiquitin specific peptidase 8
11984	ENSG00000006550	TYRO3	13971.3	0.08	protein_coding	4	65249385	65269940	heparin sulfate repeat domain 22
2005	ENSG00000303778	UBA5	13971.3	0.08	protein_coding	4	68411801	68411801	ubiquitin-like modifier activating enzyme 5
2049	ENSG00000107551	RASSF4	14017.8	0.08	protein_coding	10	45448555	45491339	Ras association (RasGDS/JAF) domain family member 4
12247	ENSG000002041059	NBSJN6	14149	0.08	protein_coding	10	18844409	18849051	NCP2-SIM domain family, member 6
2336	ENSG00000176911	TRAF3IP1	14200.6	0.08	protein_coding	5	25639475	25639475	TRAF3-interacting protein 1 (like 1)
12338	ENSG00000181481	RNF135	14231.4	0.08	protein_coding	1	29245803	29245929	ring finger protein 135
12348	ENSG00000179554	RPS27	14312	0.08	protein_coding	11	15396328	15396426	ribosomal protein S27
2484	ENSG00000184486	BXN1B	14328.6	0.08	protein_coding	1	18143385	18143385	UDP-GlcNAc 6-epimerase 1 (beta)
12510	ENSG00000155568	ROPD5	14438.8	0.08	protein_coding	2	110553035	110515272	RANBP2-like and GRP domain containing 5
12594	ENSG00000127965	CASD1	14439.6	0.08	protein_coding	7	94138331	94138331	CAS1 domain containing 1
2814	ENSG00000141084	RANBP10	14439.6	0.08	protein_coding	11	67747005	67747005	RAN binding protein 10
12640	ENSG00000145012	LPP	14460.5	0.08	protein_coding	3	187871072	187880480	LIM domain containing preferred translocation partner in lipoma
12776	ENSG00000170246	PTC2BP	14460.9	0.08	protein_coding	3	33849844	33911194	programmed cell death 8 interacting protein
2946	ENSG00000164506	STC1	14462.5	0.08	protein_coding	3	147525611	147525611	stromal cell derived factor 1 (homolog)
2976	ENSG00000183374	YY1AP1	14468.1	0.08	protein_coding	1	155629237	155629237	YY1 associated protein 1
13033	ENSG00000128222	CALCOCC1	14744	0.08	protein_coding	12	54149603	54121529	calcium binding and coiled-coil domain 1
13044	ENSG00000103568	ALG12	14752.5	0.08	protein_coding	3	34179215	34179215	ALG12, alpha-1,2-galactosyltransferase
13245	ENSG00000096717	SIRT1	14909.9	0.08	protein_coding	10	68644227	68647147	sirtuin 1
13425	ENSG00000239305	RNF103	15043.3	0.08	protein_coding	2	89830516	89830589	ring finger protein 103
13507	ENSG00000143453	HORMAD1	15050.1	0.08	protein_coding	1	15050194	15050194	HORMAD associated protein 1
13532	ENSG00000174288	NAT1	15123	0.08	protein_coding	8	18027986	18081186	N-acetyltransferase 1 (arilamine N-acetyltransferase)
13544	ENSG00000119906	FAM178A	15123.2	0.08	protein_coding	10	102972328	102724993	family with sequence similarity 178, member A
13608	ENSG00000103568	SCN10A	15176.3	0.08	protein_coding	21	349145047	349145047	SCN 10A sodium channel 10
13613	ENSG00000140992	POPK1	15180.1	0.08	protein_coding	16	2653189	2653189	3-phosphoinositide dependent protein kinase-1
13647	ENSG00000180304	ROPD1	15209.8	0.08	protein_coding	2	88055474	88058309	RANBP2-like and GRP domain containing 2
13748	ENSG00000196574	ADAMTS1	15249.1	0.08	protein_coding	2	284031	284031	adhesin 1 (alpha)
13845	ENSG00000196546	ZNF136	15353.9	0.08	protein_coding	19	12273879	12300034	zinc finger protein 136
13871	ENSG00000103568	SRR	15374	0.08	protein_coding	22	26879843	26880624	SRR1 domain containing 1
13883	ENSG00000103568	CHST14	15374	0.08	protein_coding	10	10366498	10366498	chromosome 10 open reading frame 76
14069	ENSG00000143437	ARNT	15523.4	0.08	protein_coding	1	150791181	150845244	aryl hydrocarbon receptor nuclear translocator
14164	ENSG00000117523	PRRC2C	15583.3	0.08	protein_coding	1	171454651	171562890	proline-rich coiled-coil 2C
14236	ENSG00000103568	TRAF3	15583.3	0.08	protein_coding	1	103383	103383	TNF receptor-associated factor 3
14249	ENSG00000117360	PRPF3	15587.5	0.08	protein_coding	1	15029325	15029371	pre-mRNA processing factor 3
14286	ENSG00000170242	UBAP2	15680.2	0.08	protein_coding	11	11869270	11868870	ubiquitin specific peptidase 47
14290	ENSG00000103568	PANX2	15680.8	0.08	protein_coding	X	551051	551051	P2 purinergic channel family, member 2B
14347	ENSG00000122998	CS2HTA	15738.5	0.08	protein_coding	16	11844422	11891123	zinc finger CCHC-type containing 7A
14360	ENSG00000103568	EP3B3	15749	0.08	protein_coding	1	110292702	110306999	EP3B3-like 3
14373	ENSG00000103568	SLC18A3	15751.8	0.08	protein_coding	17	2885517	2885517	solute carrier family 18 (sodium-dependent dicarboxylate transporter), member 2
14389	ENSG00000030366	YTHDC1	15773.5	0.08	protein_coding	4	6917105	69215807	YTH domain containing 1
14410	ENSG00000120008	WDR11	15785.4	0.08	protein_coding	10	122010687	122669036	WD repeat domain 11
14515	ENSG00000103568	COSE1	15785.4	0.08	protein_coding	10	6605827	66076271	coiled-coil serine-rich protein 2
14811	ENSG00000103568	MTFR2	15795.2	0.08	protein_coding	2	242011584	242011747	MTFR domain containing 2
14909	ENSG00000272756	TRNT1	16173.2	0.08	protein_coding	3	3168600	3162863	TRNA nucleoside(5')transferase, CCA-adding, 1
14973	ENSG00000197363	CPGN	16219.3	0.08	protein_coding	16	9671080	9685431	phosphotyrosylated glycan anchor biosynthesis, class N
15129	ENSG00000145986	CSKAL1	16230.8	0.08	protein_coding	18	20524486	21028255	C/EBP beta subunit associated protein 1 (like 1)
15139	ENSG00000157450	RNF11	16284.7	0.08	protein_coding	15	59197374	59198818	ring finger protein 111
15191	ENSG00000183736	BGAL15	16402.4	0.08	protein_coding	21	6959389	6949504	UDP-Glc6P:GlcNAc 6-epimerase 1 (beta)
15216	ENSG00000103568	RPRB	16428.6	0.08	protein_coding	27	67444172	67444172	retinoblastoma protein 1 (p107)
15306	ENSG00000155360	UBP1	16478.8	0.08	protein_coding	3	33428826	33428826	upstream binding protein 1 (UBP-1a)
15369	ENSG00000103076	FAM118A	16528.6	0.08	protein_coding	12	45748489	45737836	family with sequence

20097	ENSG000001066707	ZYCHC18	20074.9	0.08	protein_coding	X	103356822	103305333	zinc finger, CCHC domain containing 18
20128	ENSG00000109491	PYRROX2	20074.9	0.08	protein_coding	10	100110100	100100841	pyridine nucleotide-kinase/oxidoreductase domain 2
20138	ENSG00000258947		20126.1	0.08	protein_coding	14	66424015	66471241	Uncharacterized protein
20145	ENSG00000198885	ITPRRL1	20133.4	0.08	protein_coding	2	96991069	96994091	inositol 1,4,5-trisphosphate receptor interacting protein-like 1
20291	ENSG00000101251	SELL2	20227.7	0.08	protein_coding	20	12628993	12628993	sex-1 suppressor of lin-12-like 2 (C. elegans)
20278	ENSG00000209493	SLC12B1	20254.3	0.08	protein_coding	1	15698789	15698789	SLC domain, member 1
20298	ENSG00000137878	GCOM1	20296.1	0.08	protein_coding	15	57884106	58009453	GRIN1/1A complex locus 1
20313	ENSG00000188918	PKCKNT1	20273.6	0.08	protein_coding	2	68910721	68922708	proteasome regulator 1
20418	ENSG00000098781	GTF2A1L	20359.8	0.08	protein_coding	1	48730864	48730864	STG18 GTF2A1L readthrough
20476	ENSG00000156291	CLDN14	20408.9	0.08	protein_coding	21	37832919	37832919	claudin 14
20531	ENSG00000134249	ADAM8	20449.5	0.08	protein_coding	7	120438106	120439116	ADAM metalloprotease domain 30
20538	ENSG00000204886	ZNF783	20539.3	0.08	protein_coding	7	14894398	14894398	zinc finger family member 783
20588	ENSG00000101883	RHOXP1	20486.1	0.08	protein_coding	X	119240311	119249847	RhoGDI family, member 1
20599	ENSG00000133555	PCDH17	20498.4	0.08	protein_coding	5	141321150	141349304	protodiscornin 12
20618	ENSG00000201383	ZDNHC15	20571.7	0.08	protein_coding	X	74589262	74743337	zinc finger, DNH1-type containing 15
20640	ENSG00000187838	PLSCR3	20526.9	0.08	protein_coding	17	7293046	7307416	TMEM256-PLSCR3 readthrough (NM0 candidate)
20689	ENSG00000116981	NTS1C1A	20563.4	0.08	protein_coding	1	40124793	40137170	5'-nucleotidase, cytosolic 1A
20701	ENSG00000101628	ZKSCAN4	20575.5	0.08	protein_coding	6	28212401	28212401	zinc finger with KRAK and SCAN domains 4
20785	ENSG00000255501	CARD18	20643.5	0.08	protein_coding	11	10500848	105010453	caspase recruitment domain family, member 18
20807	ENSG00000201762	CSBP1L5	20652.9	0.08	protein_coding	11	3103834	3107969	cytoskeletal binding protein-like 5
20824	ENSG00000101129	DNAK17	20559.9	0.08	protein_coding	15	41000097	41009675	DnaK (Hsc70) homolog, subfamily C, member 17
20833	ENSG00000001936	SWAP	20675.7	0.08	protein_coding	12	132195628	13228482	splicing factor, suppressor of white-apoptosis homolog (Drosophila)
20911	ENSG00000188176	DUPD1	20731.9	0.08	protein_coding	10	78797594	78818272	dual specificity phosphatase and pro isomerase domain containing 1
20930	ENSG00000101121	KRCOB1	20732.4	0.08	protein_coding	X	46309292	46309292	KRCOB box domain containing 4
21020	ENSG00000155686	KDM8	20807.8	0.08	protein_coding	16	27214807	27233089	lysine (K)-specific demethylase 8
21023	ENSG00000194808	DHDH	20808.1	0.08	protein_coding	19	49439399	49448226	dehydrodolichyl diphosphate (dimeric)
21028	ENSG00000103370	RSSR1	20814.3	0.08	protein_coding	17	63133849	63229261	regulator of G-protein signaling 9
21121	ENSG00000142606	MMEL1	20885.3	0.08	protein_coding	1	2520078	2564481	membrane metallo-endopeptidase-like 1
21125	ENSG00000107138	FAM8B	20887	0.08	protein_coding	X	8992273	9132860	family with sequence similarity 5, member 8
21146	ENSG00000201960	ZKSCAN3	20917.8	0.08	protein_coding	8	86724083	86724083	zinc finger and SCAN domain containing 3D
21173	ENSG00000193888	C1orf84	20931.3	0.08	protein_coding	1	16330731	16335302	chromosome 1 open reading frame 64
21196	ENSG00000102603	CHRNA2	20949	0.08	protein_coding	8	27317279	27337400	cholinergic receptor, nicotinic, alpha 2 (neuronal)
21288	ENSG00000101148	CASP16	20935.6	0.08	protein_coding	6	3198428	31984284	caspase 16, apoptosis-related cysteine peptidase (putative)
21241	ENSG00000251247	ZNF345	20985.6	0.08	protein_coding	19	37341263	37403931	zinc finger protein 345
21292	ENSG00000176034	CHDC2	20996.5	0.08	protein_coding	X	36053908	36183187	catheonin homology domain containing 2
21298	ENSG00000102571	CHD9	20998.6	0.08	protein_coding	11	11381133	11381133	protein 2, vitreous, vitreous vitellin glycoprotein
21298	ENSG00000004835	POU1F1	21032.7	0.08	protein_coding	3	8730854	87325737	POU class 1 homeobox
21317	ENSG00000208210	OCLM	21047.2	0.08	protein_coding	1	186389704	186370887	occludin
21351	ENSG00000106918	TSFYB1	21052.8	0.08	protein_coding	2	54402209	54402209	TSFY family 8
21363	ENSG00000188739	RMBS4	21081.2	0.08	protein_coding	1	23529448	23532472	RNA binding motif protein 34
21427	ENSG00000188786	FOXJ2	21135.9	0.08	protein_coding	10	129535499	129539450	forkhead box L2
21458	ENSG00000101408	BTBD18	21158.8	0.08	protein_coding	11	275111	275111	BTB (POZ) domain containing 18
21459	ENSG00000227471	AKR1B15	21166.6	0.08	protein_coding	7	13423388	13426427	sialo-esterase family 1, member B15
21466	ENSG00000182747	SLC35D3	21170.1	0.08	protein_coding	6	13724362	137246777	solute carrier family 35, member D3
21472	ENSG00000186240	URHG1G	21173.6	0.08	protein_coding	17	7291276	7291931	Usher syndrome 1G (autosomal recessive)
21480	ENSG00000186986	RSR1	21178.3	0.08	protein_coding	17	65238	65238	HUS1 checkpoint homolog 1 (S. pombe)
21483	ENSG00000232560	AS21	21182.4	0.08	protein_coding	21	188112038	18821103	chromosome 21 open reading frame 37
21483	ENSG00000104538	AS21	21186.9	0.08	protein_coding	7	11700378	11706817	ankyrin repeat, SAM and basic leucine zipper domain containing 1
21497	ENSG00000200581	CXCR5D	21191.2	0.08	protein_coding	X	36248735	36248735	chemokine, X open reading frame 30
21501	ENSG00000089123	TASP1	21195.4	0.08	protein_coding	20	13248709	13919587	transmembrane aspartase, 1
21508	ENSG00000182643	WDR94	21239.9	0.08	protein_coding	12	24181580	24196635	WD repeat domain 64
21517	ENSG00000184271	POU3F1	21249.7	0.08	protein_coding	11	215880719	215911477	POU class 4 homeobox 1
21521	ENSG00000177892	SPATA31E1	21266.7	0.08	protein_coding	9	90497471	90503814	SPATA31 subfamily E, member 1
21621	ENSG00000137877	SPTBN8	21285.9	0.08	protein_coding	15	42140345	42186275	spectrin, beta, non-erythrocytic 8
21628	ENSG00000200299	SPTBN8	21285.9	0.08	protein_coding	15	34102865	34102865	chromosome 21 open reading frame 62
21635	ENSG00000107886	EPHA8	21297.9	0.08	protein_coding	1	22890057	22890057	EPH receptor A8
21663	ENSG00000183746	PLSCR2	21325	0.08	protein_coding	3	14619628	14621378	phospholipid scramblase 2
21681	ENSG00000186265	TRAF3	21334.2	0.08	protein_coding	19	100001628	100001628	chromosome 7 open reading frame 61
21717	ENSG00000202204	RAB6C	21370.8	0.08	protein_coding	2	13073725	13074011	RAB6C, member RAS oncogene family
21802	ENSG00000205209	SCGB2B2	21430	0.08	protein_coding	19	35084234	35186804	secretoglobin, family 2B, member 2
21811	ENSG00000105428	EPHA2	21440	0.08	protein_coding	16	1920264	1920264	E2F-binding domain, member B
21857	ENSG00000181628	ANKRD82	21466.6	0.08	protein_coding	18	12093852	12129748	ankyrin repeat domain 82
21894	ENSG00000142449	FBN3	21501.3	0.08	protein_coding	19	3142898	31427430	fibillin 3
21934	ENSG00000101609	GLIS3	21569.4	0.08	protein_coding	19	13418268	134208248	transcription factor, like 3
21954	ENSG00000186710	CCDC42B	21545.8	0.08	protein_coding	12	113587663	113587681	coiled-coil domain containing 42B
21972	ENSG00000184313	MROH7	21554.9	0.08	protein_coding	1	25107463	25107599	maestro heat-like repeat family member 7
21978	ENSG00000101343	TRAF3	21554.9	0.08	protein_coding	19	1920264	1920264	transmembrane repeat domain 12
22004	ENSG00000174578	NPAS4	21576.5	0.08	protein_coding	11	66188475	66194178	neuronal PAS domain protein 4
22056	ENSG00000187992	WVCE2	21622.1	0.08	protein_coding	11	61025762	61026396	von Willibrand factor C and EGF domains
22076	ENSG00000101348	TRAF3	21622.1	0.08	protein_coding	19	1920264	1920264	zinc finger protein 813
22149	ENSG00000107037	GSMT1	21622.5	0.08	protein_coding	22	25202236	25202236	small G protein signaling modulator 1
22192	ENSG00000189181	GSGL1	21753.5	0.08	protein_coding	16	2719855	28074830	GSGL1-like
22197	ENSG00000101722	C1orf11	21753.5	0.08	protein_coding	14	16222693	16222693	chromosome 1 open reading frame 111
22237	ENSG000001045107	TMSF19	21759.7	0.08	protein_coding	3	19604913	19605574	transmembrane 4 L-like family member 19
22245	ENSG00000186438	TRMR8	21783.2	0.08	protein_coding	11	8633884	8634313	heparan sulfate methyltransferase 8
22262	ENSG00000101083	TSM1E1	21823.1	0.08	protein_coding	11	13238811	13238811	15ARBC domain containing 1
22317	ENSG00000202464	C1orf195	21811.9	0.08	protein_coding	1	15460840	15469713	chromosome 1 open reading frame 195
22386	ENSG00000197362	ZNF785	21851.3	0.08	protein_coding	7	14878675	14878874	zinc finger protein 785
22390	ENSG00000205688	LRRC12	21852.3	0.08	protein_coding	17	1586877	1586877	leucine rich repeat containing 72
22489	ENSG00000145832	SLC22A8	21934.8	0.08	protein_coding	5	13510338	13522438	solute carrier family 25, member 48
22494	ENSG00000182177	ASB1B	21940	0.08	protein_coding	2	23712095	23713652	ankyrin repeat and SOCS box containing 18
22504	ENSG00000101974	TRAF3	21940	0.08	protein_coding	19	1920264	1920264	matricin 1 associated protein
22543	ENSG00000124493	GRAM4	21980.3	0.08	protein_coding	6	33999628	34123399	glutamate receptor, metabotropic 4
22566	ENSG00000155897	ADCY8	21999.6	0.08	protein_coding	8	131724247	132054872	adenylyl cyclase 8 (brain)
22600	ENSG00000186133	CGP7	22024.5	0.08	protein_coding	19	46657531	46657531	chronic granulomatous, beta polypeptide 7
22609	ENSG00000186211	CHRT11	22025.1	0.08	protein_coding	9	13508410	135148104	nicotinic acetylcholine receptor subunit epsilon 11
22639	ENSG00000124251	TPST3G5	22058.5	0.08	protein_coding	20	44005226	44035029	TPST3 target 5
22684	ENSG00000186268	ITFC1A	22140.3	0.08	protein_coding	3	39149132	39180394	histone H3K9me3 repeat domain 21A
22706	ENSG00000101248	MTFHSB	22158.6	0.08	protein_coding	16	86563762	86563841	methyltransferase, synthase domain containing
22728	ENSG00000219435	TEX4D	22207.4	0.08	protein_coding	11	64068763	64072242	testis expressed 40
22844	ENSG00000187131	CCDC103	22223	0.08	protein_coding	17	42916510	42926758	coiled-coil domain containing 103
22886	ENSG00000200261	NKX63	22261.6	0.08	protein_coding	17	3415269	3415269	homeobox transcription factor 60
22888	ENSG00000109825	CPZ	22280.3	0.08	protein_coding	4	858487	8621488	carboxypeptidase Z
22966	ENSG00000186290	ODF3L1	22324.6	0.08	protein_coding	15	7601618	7602029	outer dense fiber of sperm tail 3-like 1

21424	ENSG00000209961		21333.5	0.08	snRNA	2	170584382	170584513	Small nuclear RNA SNORA51
20864	ENSG00000209969	SNORA70F	22343.7	0.08	snRNA	2	105541483	105542187	small nuclear RNA, HACA box 70F
10739	ENSG00000202352		12933.5	0.08	snRNA	5	64900488	64900588	RNA, U6 small nuclear 540, pseudogene
13109	ENSG00000202359		14797.2	0.08	snRNA	3	81558627	81558815	RNA, U2 small nuclear 28, pseudogene
16379	ENSG00000201834		17207.8	0.08	snRNA	9	15411897	15423208	RNA, U6 small nuclear 319, pseudogene
9750	ENSG00000202021		17433.9	0.08	snRNA	19	44538836	44539782	RNA, U6 small nuclear 902, pseudogene
16861	ENSG00000200731		17680.9	0.08	snRNA	8	42928617	42928717	RNA, U1 small nuclear 124, pseudogene
16986	ENSG00000202687		17787.3	0.08	snRNA	16	89509726	89509832	RNA, U6 small nuclear 430, pseudogene
17034	ENSG00000199698		17805.7	0.08	snRNA	18	45339876	45339972	RNA, U6 small nuclear 856, pseudogene
19200	ENSG00000207128		19415.5	0.08	snRNA	8	10333733	10333839	RNA, U6 small nuclear 729, pseudogene
16276	ENSG00000202764		19472.2	0.08	snRNA	6	101695716	101696002	RNA, U6 small nuclear 1092, pseudogene
19600	ENSG00000203054		19744.5	0.08	snRNA	10	35444371	35444430	RNA, U7 small nuclear 77, pseudogene
19653	ENSG00000202234		19747.5	0.08	snRNA	7	65860178	65860273	RNA, U6 small nuclear 96, pseudogene
20063	ENSG00000212598		20070.9	0.08	snRNA	7	86361175	86362178	RNA, U6 small nuclear 1254, pseudogene
20653	ENSG00000202189		20335.5	0.08	snRNA	3	10079236	10079339	RNA, U6 small nuclear 870, pseudogene
20668	ENSG00000212597		20347.3	0.08	snRNA	11	12886312	12886325	RNA, U6 small nuclear 876, pseudogene
21294	ENSG00000202502		21029	0.08	snRNA	3	172420914	172421015	RNA, U6 small nuclear 547, pseudogene
21770	ENSG00000202011		21409.1	0.08	snRNA	10	116729219	116729327	RNA, U6 small nuclear 1121, pseudogene
21771	ENSG00000201135		21409.4	0.08	snRNA	1	12137938	12138041	RNA, U6 small nuclear 777, pseudogene
21955	ENSG00000202270		21545.9	0.08	snRNA	5	13977608	139777029	RNA, U4 small nuclear 144, pseudogene
21981	ENSG00000201824		21550.7	0.08	snRNA	4	83924595	83924670	RNA, U6 small nuclear 855, pseudogene
22139	ENSG00000202590		21680.6	0.08	snRNA	7	23490277	23490341	RNA, U7 small nuclear 143, pseudogene
22141	ENSG00000201298		21680.7	0.08	snRNA	5	13403662	13403998	RNA, U6 small nuclear 1164, pseudogene
22415	ENSG00000198445		21981.2	0.08	snRNA	7	138581105	138581111	RNA, U6 small nuclear 1272, pseudogene
8223	ENSG00000211714		10905.3	0.08	TR_V_gene	7	142247109	142247815	T cell receptor beta variable 7-3
8333	ENSG00000205890		10992.3	0.08	TR_V_gene	14	22938033	22938690	T cell receptor beta variable 3
5602	ENSG00000240531		8348.8	0.08	transcribed_processed_pseudo_gene	17	28043297	28043703	ribosomal protein L21 pseudogene 123
17347	ENSG00000203510		18025.5	0.08	transcribed_processed_pseudo_gene	1	160683938	160684769	SET pseudogene 9
20240	ENSG00000205178	REXO1L1	20215	0.08	transcribed_processed_pseudo_gene	8	86568695	86575726	REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1, pseudogene
20545	ENSG000002081784		20457.1	0.08	transcribed_processed_pseudo_gene	16	72762515	72763793	keratin 18 pseudogene 16
21606	ENSG00000187686		21273.3	0.08	transcribed_processed_pseudo_gene	11	124983057	12499677	keratin 18 pseudogene 59
22081	ENSG00000215802		21644.4	0.08	transcribed_processed_pseudo_gene	1	24096308	24096733	riboflavin kinase pseudogene 1
22306	ENSG000002066405	CBX3P2	21802.8	0.08	transcribed_processed_pseudo_gene	18	2652169	2652594	chromobox homolog 3 pseudogene 2
22851	ENSG000002036797		22225.2	0.08	transcribed_processed_pseudo_gene	10	77142151	77142602	sperm autoantigenic protein 17 pseudogene 1
23046	ENSG00000207150	PGAM1P5	22391.7	0.08	transcribed_processed_pseudo_gene	12	96043031	96007775	phosphoglycerate mutase 1 pseudogene 5
23253	ENSG000002054305		22552.9	0.08	transcribed_processed_pseudo_gene	8	77515475	77516087	mitochondrial ribosomal protein L9 pseudogene
23371	ENSG000002030067		22646.4	0.08	transcribed_processed_pseudo_gene	3	38808608	38825658	heat shock 70kDa protein 1 (chaperonin) pseudogene 6
12917	ENSG00000214425	LRR37A4P	14862.6	0.08	transcribed_unprocessed_pseudo_gene	17	43579685	43627701	leucine rich repeat containing 37, member A4, pseudogene
17301	ENSG00000242294	STAT3L5P	17960.9	0.08	transcribed_unprocessed_pseudo_gene	17	99933702	99949523	stromal antigen 3-like 5 pseudogene
18343	ENSG000002027300	KRT16P2	18761	0.08	transcribed_unprocessed_pseudo_gene	17	16733313	16736147	keratin 16 pseudogene 2
18668	ENSG00000214313	AZGP1P1	18996.7	0.08	transcribed_unprocessed_pseudo_gene	7	99576385	99585158	alpha-2-glycoprotein 1, zinc-binding pseudogene 1
19103	ENSG000002055986	MT1JP	19345.6	0.08	transcribed_unprocessed_pseudo_gene	16	56669651	56670998	metallothionein 1, pseudogene
20563	ENSG00000108126		20477.2	0.08	transcribed_unprocessed_pseudo_gene	6	29758731	29765598	major histocompatibility complex, class I, V (pseudogene)
21014	ENSG00000188755	TBC1D3P2	20802.5	0.08	transcribed_unprocessed_pseudo_gene	17	60432066	60533016	TBC1 domain family, member 3 pseudogene 2
21583	ENSG000002031431	LOC40910	21257.5	0.08	transcribed_unprocessed_pseudo_gene	2	130248308	130266841	fatty acyl CoA reductase 2 pseudogene 4
22035	ENSG000002036145	P2RX6P	21607.5	0.08	transcribed_unprocessed_pseudo_gene	22	21389532	21389306	purinergic receptor P2X, ligand-gated ion channel, 6 pseudogene
22440	ENSG00000186104	MIR162	21900.4	0.08	transcribed_unprocessed_pseudo_gene	15	62520095	62545434	has-mir-7162
22556	ENSG000002059404		21992.4	0.08	transcribed_unprocessed_pseudo_gene	15	84748920	84795356	elongation factor Tu GTP binding domain containing 1 pseudogene 1
22615	ENSG00000197588	KLKP1	22039.8	0.08	transcribed_unprocessed_pseudo_gene	19	51385352	51396954	kallikrein pseudogene 1
22652	ENSG000002025449	RAB6C-AS1	22069.1	0.08	transcribed_unprocessed_pseudo_gene	2	130724165	130738039	RAB6C antisense RNA 1
23077	ENSG00000160766	GBAP1	22412.5	0.08	transcribed_unprocessed_pseudo_gene	1	155183616	155197214	glucosylase, beta, acid pseudogene 1
23948	ENSG000002051689		23999.4	0.08	transcribed_unprocessed_pseudo_gene	4	3943487	3957146	family with sequence similarity 86, member E, pseudogene
24178	ENSG000002053540		23296.1	0.08	transcribed_unprocessed_pseudo_gene	3	129817935	129830315	family with sequence similarity 86, member H, pseudogene
21096	ENSG00000182997	PRORS1P1	20862.7	0.08	uniprot_pseudogene 2	2	55505455	55511658	prolyl-4-hydroxylase associated domain containing 1, pseudogene
11659	ENSG00000201799	CCDC16P	22147.8	0.08	uniprot_pseudogene 6	1	109612231	109676366	coiled-coil domain containing 102, pseudogene
23524	ENSG00000218233		22746.8	0.08	uniprot_pseudogene 6	1	117954959	117962590	neuropilin, pseudogene
4448	ENSG000002025217	HSPA7	6909	0.08	uniprot_pseudogene 1	1	161576081	161578007	heat shock 70kDa protein 7 (HSP70B)
17914	ENSG00000213546		18429.5	0.08	uniprot_pseudogene 1	1	137657890	137669757	eukaryotic translation elongation factor 1 alpha 1, pseudogene 32
19253	ENSG00000203962		19455.9	0.08	uniprot_pseudogene 9	1	33613646	33614407	proboscis, alpha, 3 pseudogene 4
19665	ENSG000002071705		19712	0.08	uniprot_pseudogene 13	1	81447510	81448130	ribosomal protein L17 pseudogene 3
20679	ENSG000002025121		20555	0.08	uniprot_pseudogene 6	6	64190309	64191781	eukaryotic translation elongation factor 1 beta 2, pseudogene 5
11003	ENSG00000203644		20738.5	0.08	uniprot_pseudogene 2	2	85429064	85429204	cytochrome P450, family 4, subfamily F, polypeptide 32, pseudogene
21151	ENSG000002041198		20938.9	0.08	uniprot_pseudogene 3	3	108044367	108045681	heterogeneous nuclear ribonucleoprotein A1 pseudogene 17
21625	ENSG000002049745		21445.5	0.08	uniprot_pseudogene 4	4	41844171	41845987	high mobility group box 1 pseudogene 26
20115	ENSG000002031952		21596.1	0.08	uniprot_pseudogene 1	1	32882869	32878182	GPI1B, pseudogene 2
22659	ENSG000002029259		22075.4	0.08	uniprot_pseudogene 1	1	32888815	32892390	leucine rich repeat containing 37, member A12, pseudogene
22776	ENSG000002037911		22161.7	0.08	uniprot_pseudogene 17	17	20319106	20320010	signal recognition particle 88kDa pseudogene 3
4556	ENSG000002028724		695.4	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
5758	ENSG000002034004		8522.7	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
6807	ENSG000002038084		9579.7	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
6919	ENSG000002029862		9668.3	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
7175	ENSG000002050090		9922.5	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
7283	ENSG000002028116		9999.9	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
7786	ENSG000002040388		10507.8	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
7950	ENSG00000219201		10663.8	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
7951	ENSG00000217204		10664	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
8025	ENSG00000217184		10733.8	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
8242	ENSG000001986444	GPR89C	10917.8	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
9199	ENSG000002054373		11713.2	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
9458	ENSG00000206313		11811.9	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
10250	ENSG000002033137		12549.3	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
10983	ENSG000002077442		12884.4	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
11011	ENSG000002043554		13196.7	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
11177	ENSG000002025135		13283.4	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
11395	ENSG00000204851		13483.5	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
11488	ENSG00000201870		13551.9	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
11907	ENSG000002029044		13949.9	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
12556	ENSG000002072655		14409	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
12970	ENSG00000211738		14695.3	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
13140	ENSG000002021465		14818.5	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
13571	ENSG000002022684		15150.2	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
13688	ENSG00000202037		15225.8	0.08	uniprot_pseudogene 1	1	145883868	145824373	G protein-coupled receptor 89C
13718	ENSG00000204745		15266.6	0.08					

17621	ENSG00000236976	18215.7	0.08					
17683	ENSG00000234659	18278.3	0.08					
17730	ENSG00000225018	18308.6	0.08					
17792	ENSG00000249234	18348	0.08					
17984	ENSG00000244273	18491.8	0.08					
17999	ENSG00000213366	18493.8	0.08					
18051	ENSG00000225487	18536	0.08					
18130	ENSG00000272777	18601	0.08					
18143	ENSG00000293931	18614.2	0.08					
18169	ENSG00000266030	18636.5	0.08					
18174	ENSG00000242751	18640.5	0.08					
18219	ENSG00000292895	18671.5	0.08					
18258	ENSG00000251902	18696.3	0.08	13	21573506	21573606		RNA_U6 small nuclear 51_pseudogene
18384	ENSG00000260171	18776.2	0.08					
18414	ENSG00000227288	18811.9	0.08					
18440	ENSG00000226324	18833.5	0.08					
18486	ENSG00000267107	18849.1	0.08					
18476	ENSG00000232018	18859.4	0.08					
18500	ENSG00000263317	18873	0.08					
18839	ENSG00000227466	19227.7	0.08					
18872	ENSG00000232688	19174	0.08					
18912	ENSG00000239157	19188.8	0.08	20	48556833	48556937		Small nuclear RNA U13
19001	ENSG00000239556	19269	0.08					
19042	ENSG00000224525	19302.3	0.08					
19077	ENSG00000265042	19323.3	0.08					
19153	ENSG00000224294	19381.1	0.08					
19157	ENSG00000250008	19397.7	0.08					
19163	ENSG00000268051	19392.1	0.08					
19196	ENSG00000299953	19409	0.08					
19382	ENSG0000027768	19335.5	0.08					
19383	ENSG00000232271	19554.2	0.08					
19481	ENSG00000272033	19627	0.08					
19489	ENSG00000228651	19633.7	0.08					
19491	ENSG00000271225	19632.4	0.08					
19496	ENSG00000269905	19634.5	0.08					
19503	ENSG00000232683	19642	0.08					
19520	ENSG00000228541	19653.5	0.08					
19526	ENSG00000251588	19658.8	0.08					
19534	ENSG00000235554	19665	0.08	5	159718795	159719067		RNA_7SL cytoplasmic 295_pseudogene
19545	ENSG00000251550	19672.9	0.08					
19582	ENSG00000256951	19702.8	0.08					
19588	ENSG00000232685	19713.9	0.08					
19602	ENSG00000231298	19716	0.08					
19686	ENSG00000238039	19752.3	0.08					
19683	ENSG00000260268	19763	0.08					
19752	ENSG00000281590	19836.6	0.08					
19773	ENSG00000236905	19847.2	0.08					
19779	ENSG00000245894	19849.7	0.08					
19782	ENSG00000253334	19851	0.08	4	83970321	83970397		Small nuclear RNA R42
19802	ENSG00000267242	19872.2	0.08					
19838	ENSG00000232971	19902.2	0.08					
19858	ENSG00000218722	19915.5	0.08					
19879	ENSG00000251223	19933.1	0.08					
19880	ENSG00000259847	19944.5	0.08					
19883	ENSG00000259810	19946.8	0.08					
19888	ENSG00000245904	19950.1	0.08					
19904	ENSG00000249839	19957.2	0.08					
19907	ENSG00000292840	19959.2	0.08					
19918	ENSG00000259907	19970.6	0.08					
19945	ENSG00000251455	19986.4	0.08					
19983	ENSG00000213488	19995	0.08					
20017	ENSG00000260103	20039.8	0.08					
20030	ENSG00000224459	20046.9	0.08					
20053	ENSG00000234814	20055.1	0.08					
20083	ENSG00000228613	20090.1	0.08					
20087	ENSG00000230189	20092.5	0.08					
20091	ENSG00000233563	20094.5	0.08					
20112	ENSG00000242097	20107.3	0.08					
20113	ENSG00000259126	20108.1	0.08					
20150	ENSG00000214000	20134.8	0.08					
20175	ENSG00000258775	20157.4	0.08					
20177	ENSG00000232900	20159.8	0.08					
20183	ENSG00000238538	20171.1	0.08					
20216	ENSG00000268295	20196.2	0.08					
20217	ENSG00000228997	20196.3	0.08					
20221	ENSG00000231127	20201.7	0.08					
20231	ENSG00000243537	20208.8	0.08					
20238	ENSG00000211495	20213.5	0.08					
20241	ENSG00000225198	20217.7	0.08					
20248	ENSG00000232160	20224.8	0.08					
20290	ENSG00000228140	20226.7	0.08					
20298	ENSG00000231689	20233.9	0.08					
20298	ENSG00000253365	20233.8	0.08					
20270	ENSG00000231017	20245.7	0.08					
20272	ENSG00000255095	20246.4	0.08					
20291	ENSG00000241723	20290.1	0.08					
20290	ENSG00000227370	20282.8	0.08					
20302	ENSG00000236494	20287.6	0.08					
20312	ENSG00000236296	20272.5	0.08					
20328	ENSG00000246974	20282.1	0.08					
20394	ENSG00000295178	20355	0.08					
20375	ENSG00000269694	20333.2	0.08					
20380	ENSG00000259268	20334.3	0.08					
20384	ENSG00000271241	20338.7	0.08					
20388	ENSG00000231453	20339.8	0.08					
20391	ENSG00000232882	20341	0.08					
20403	ENSG00000236186	20346.2	0.08					
20408	ENSG00000233862	20351.5	0.08					
20452	ENSG00000253811	20385.8	0.08					
20484	ENSG00000297138	20414.5	0.08					
20485	ENSG00000232621	20415.1	0.08					
20488	ENSG00000230944	20416.7	0.08					
20506	ENSG00000250708	20426.3	0.08					
20514	ENSG00000250106	20411.9	0.08					
20518	ENSG00000268826	20436.7	0.08					
20529	ENSG00000231482	20447.5	0.08					
20548	ENSG00000232798	20460.5	0.08					
20557	ENSG00000251385	20473.6	0.08					
20584	ENSG00000296035	20490.9	0.08					
20590	ENSG00000232444	20492.8	0.08					
20596	ENSG00000228951	20495	0.08					
20607	ENSG00000271156	20501.7	0.08					
20621	ENSG00000232650	20514.2	0.08					
20629	ENSG00000248763	20520.5	0.08					
20651	ENSG00000257642	20534.6	0.08					
20672	ENSG00000259259	20548.9	0.08					
20693	ENSG00000267123	20566.3	0.08					
20714	ENSG00000244382	20578.8	0.08					
20718	ENSG00000259673	20580	0.08					
20723	ENSG00000219773	20584.7	0.08					
20728	ENSG00000254731	20591.8	0.08					
20748	ENSG00000268709	20602.9	0.08					
20759	ENSG00000255410	20619.5	0.08					
20780	ENSG00000230746	20620.3	0.08					
20783	ENSG0000021779	20627.6	0.08					
20793	ENSG00000237777	20641.5	0.08					
20799	ENSG00000237828	20645.4	0.08					
20816	ENSG00000264488	20661.3	0.08					
20823	ENSG00000254758	20669.5	0.08					
20844	ENSG00000267968	20681.8	0.08					
20857	ENSG00000259895	20689.6	0.08					
20864	ENSG00000272444	20693.0	0.08					
20875	ENSG00000252048	20698.1	0.08	4	184097914	184098084		Small nuclear RNA U3
20877	ENSG00000255101	20700.9	0.08					
20884	ENSG00000259251	20710	0.08					
20888	ENSG00000254254	20710.9	0.08					
20890	ENSG00000239305	20714.6	0.08					
20894	ENSG00000231364	20715.7	0.08					
20898	ENSG00000234722	20717.5	0.08					
20903	ENSG00000269294	20724.1	0.08					
20904	ENSG00000251377	20724.5	0.08					
20916	ENSG00000241499	20736.6	0.08					
20922	ENSG00000235347	20741.2	0.08					
20925	ENSG00000246555	20743.8	0.08					
20939	ENSG00000231866	20751.2	0.08					
20955	ENSG00000252075	20758.9	0.08					
20968	ENSG00000264837	20761	0.08					
20960	ENSG00000203266	20763.6	0.08					
20982	ENSG00000252099	20781	0.08					
20993	ENSG00000232447	20786.6	0.08					
21002	ENSG00000227563	20798.1	0.08					

21025	ENSG00000259278	20812.5	0.08					
21026	ENSG00000259299	20815.5	0.08					
21040	ENSG00000214113	20820.2	0.08					
21041	ENSG00000226522	20821.2	0.08					
21048	ENSG00000230709	20823.4	0.08					
21051	ENSG00000238442	20826.3	0.08					
21068	ENSG00000261843	20844.4	0.08					
21074	ENSG00000234692	20847	0.08					
21076	ENSG00000251497	20851	0.08					
21078	ENSG00000235691	20853.3	0.08					
21107	ENSG00000259291	20872	0.08					
21112	ENSG00000239861	20876.1	0.08	2	197079943	197080046		Small nuclear RNA U13
21115	ENSG00000239861	20877.2	0.08					
21119	ENSG00000228392	20883.6	0.08					
21130	ENSG00000209718	20892.5	0.08					
21137	ENSG00000227845	20898.3	0.08					
21158	ENSG00000249805	20915.2	0.08	21	46511596	46515493		HCG401283, PRED57 protein, Uncharacterized protein
21165	ENSG00000225933	20923.9	0.08					
21169	ENSG00000268763	20927.9	0.08					
21175	ENSG00000259124	20933	0.08					
21188	ENSG00000231229	20943.7	0.08					
21197	ENSG00000227218	20949.5	0.08					
21203	ENSG00000223834	20951.1	0.08					
21211	ENSG00000224653	20958.7	0.08					
21217	ENSG00000232642	20968.8	0.08					
21218	ENSG00000249299	20969.7	0.08					
21228	ENSG00000219455	20974.7	0.08					
21227	ENSG00000270883	20974.9	0.08					
21233	ENSG00000229520	20980.1	0.08	17	34046907	34047461		ribosomal protein L17 pseudogene 42
21250	ENSG00000225205	20993.3	0.08					
21274	ENSG00000266312	21014.3	0.08					
21276	ENSG00000252291	21016.5	0.08					
21277	ENSG00000221847	21017.5	0.08	8	143811652	143812504		voltage-dependent anion channel 1 pseudogene 8
21280	ENSG00000224359	21018.6	0.08					
21288	ENSG00000213414	21025.6	0.08					
21292	ENSG00000237889	21028.1	0.08					
21302	ENSG00000233311	21035.6	0.08					
21307	ENSG00000230109	21039	0.08					
21308	ENSG00000231099	21039.3	0.08					
21313	ENSG00000231908	21043.7	0.08					
21316	ENSG00000232023	21045.5	0.08					
21319	ENSG00000232158	21048.7	0.08					
21324	ENSG00000282339	21052.8	0.08					
21330	ENSG00000225988	21058.4	0.08					
21333	ENSG00000249202	21067.8	0.08					
21346	ENSG00000258435	21067.8	0.08	19	49187292	49187563		RNA, 75S, cytoplasmic 345, pseudogene
21350	ENSG00000260886	21071	0.08					
21355	ENSG00000259365	21073.3	0.08					
21391	ENSG00000259139	21107.6	0.08					
21403	ENSG00000217854	21117.2	0.08					
21404	ENSG00000274019	21118	0.08					
21407	ENSG00000233443	21120.2	0.08					
21415	ENSG00000250748	21128.5	0.08					
21418	ENSG00000273006	21130.8	0.08					
21420	ENSG00000225456	21131.7	0.08					
21425	ENSG00000235139	21134.6	0.08					
21428	ENSG00000223719	21136.2	0.08					
21429	ENSG00000265313	21136.8	0.08					
21432	ENSG00000242596	21139.6	0.08					
21433	ENSG00000234559	21143.1	0.08					
21434	ENSG00000235981	21143.1	0.08					
21446	ENSG00000238896	21153.9	0.08	6	11079248	11079346		Small nuclear RNA U13
21451	ENSG00000224077	21159.9	0.08					
21462	ENSG00000215281	21168.5	0.08					
21467	ENSG00000270423	21170.2	0.08					
21469	ENSG00000205177	21170.6	0.08					
21470	ENSG00000221602	21171.5	0.08					
21479	ENSG00000255639	21175.9	0.08					
21488	ENSG00000228303	21185.7	0.08					
21518	ENSG00000230138	21203	0.08					
21529	ENSG00000271778	21204.5	0.08					
21530	ENSG00000221761	21214.3	0.08					
21535	ENSG00000228568	21214.3	0.08					
21536	ENSG00000272095	21217.2	0.08					
21539	ENSG00000224374	21219	0.08	15	83188579	83188581		golin A6 family-like 21, pseudogene
21550	ENSG00000222690	21226.7	0.08					
21558	ENSG00000255532	21237.6	0.08					
21560	ENSG00000225001	21240	0.08					
21562	ENSG00000270902	21257.4	0.08					
21599	ENSG00000228932	21267.7	0.08					
21600	ENSG00000233717	21267.8	0.08					
21609	ENSG00000225119	21274.3	0.08	10	38717074	38736420		long intergenic non-protein coding RNA 999
21612	ENSG00000259820	21279.2	0.08					
21623	ENSG00000258815	21287.4	0.08					
21646	ENSG00000231225	21299.8	0.08					
21650	ENSG00000221258	21311.2	0.08					
21666	ENSG00000229590	21328.7	0.08					
21670	ENSG00000253334	21331.5	0.08					
21677	ENSG00000261340	21334.5	0.08					
21679	ENSG00000221469	21335.5	0.08					
21686	ENSG00000235345	21343.1	0.08					
21688	ENSG00000227278	21344.4	0.08					
21691	ENSG00000234432	21348.5	0.08					
21692	ENSG00000224387	21348.8	0.08					
21699	ENSG00000226252	21358.3	0.08					
21710	ENSG00000271253	21362.2	0.08					
21714	ENSG00000206468	21371.5	0.08					
21725	ENSG00000208460	21379.6	0.08					
21735	ENSG00000271029	21384.3	0.08					
21740	ENSG00000225330	21388.1	0.08					
21743	ENSG00000233891	21391.1	0.08	17	39993316	39993380		RNA, 75S, cytoplasmic 871, pseudogene
21747	ENSG00000228741	21395.9	0.08					
21751	ENSG00000231103	21397.5	0.08					
21754	ENSG00000255308	21398.2	0.08					
21755	ENSG00000257725	21398.4	0.08					
21761	ENSG00000213747	21400.2	0.08					
21768	ENSG00000225349	21406.7	0.08					
21773	ENSG00000219088	21410.8	0.08					
21776	ENSG00000204893	21411.5	0.08					
21778	ENSG00000250900	21413.6	0.08					
21795	ENSG00000242569	21421.7	0.08					
21798	ENSG00000221312	21424	0.08					
21804	ENSG00000228781	21431	0.08					
21810	ENSG00000241811	21434.5	0.08	8	25038946	25039235		RNA, 75S, cytoplasmic 651, pseudogene
21813	ENSG00000221764	21437.1	0.08					
21814	ENSG00000239870	21437.2	0.08					
21829	ENSG00000226889	21450.4	0.08					
21843	ENSG00000233538	21461	0.08					
21849	ENSG00000265461	21462.9	0.08					
21852	ENSG00000213779	21464.4	0.08					
21854	ENSG00000204267	21465.3	0.08					
21856	ENSG00000256598	21466.1	0.08					
21866	ENSG00000280425	21476.9	0.08					
21868	ENSG00000246375	21479.1	0.08					
21876	ENSG00000182971	21486.1	0.08					
21879	ENSG00000281215	21487.7	0.08					
21888	ENSG00000206956	21497.7	0.08					
21889	ENSG00000257225	21498	0.08					
21909	ENSG000002681302	21509.5	0.08					
21910	ENSG00000249815	21510	0.08					
21911	ENSG00000256545	21510.6	0.08					
21915	ENSG000002328665	21513.7	0.08	13	20449327	20449425		Small nuclear RNA U13
21925	ENSG00000248103	21523.2	0.08					
21928	ENSG00000229762	21523.8	0.08					
21930	ENSG00000231533	21526.2	0.08					
21960	ENSG00000230124	21541.7	0.08					
21965	ENSG00000206289	21550.9	0.08					
21989	ENSG00000268989	21564.5	0.08					
22010	ENSG00000209534	21588.1	0.08					
22013	ENSG00000221359	21591.7	0.08					
22014	ENSG00000233138	21595.8	0.08					
22016	ENSG00000254226	21597	0.08					
22019	ENSG00000252910	21597.7	0.08					
22022	ENSG00000250409	21600.2	0.08					
22023	ENSG00000264159	21601.3	0.08	19	3501316	3501587		RNA, 75S, cytoplasmic 866, pseudogene
22030	ENSG00000249944	21604.7	0.08					
22033	ENSG00000271420	21606.2	0.08					
22054	ENSG00000259822	21621.4	0.08					
22058	ENSG00000221443	21634.7	0.08					
22063	ENSG00000271806	21628.3	0.08					

22069	ENSG00000271334		21634	0.08					
22070	ENSG00000271163		21634	0.08					
22071	ENSG00000231197		21635.4	0.08					
22074	ENSG00000258345		21636.3	0.08					
22082	ENSG00000244262		21646	0.08					
22083	ENSG00000248241		21647.1	0.08					
22092	ENSG00000258433		21650.9	0.08					
22116	ENSG00000265022		21667.1	0.08					
22118	ENSG00000265115		21667.7	0.08					
22128	ENSG00000262362		21671.1	0.08					
22127	ENSG00000249510		21671.3	0.08					
22129	ENSG00000265207		21671.6	0.08					
22132	ENSG00000263499		21673.6	0.08					
22136	ENSG00000229956		21695.6	0.08					
22157	ENSG00000253420		21696.5	0.08					
22159	ENSG00000213253		21697.1	0.08					
22170	ENSG00000233444		21703.4	0.08					
22173	ENSG00000259207		21705	0.08	13	21716330	21716629		RNA, 7SL, cytoplasmic 80, pseudogene
22186	ENSG00000248120		21717.4	0.08					
22194	ENSG00000244251		21724.1	0.08					
22196	ENSG00000252911		21725	0.08					
22199	ENSG00000260163		21729.5	0.08					
22214	ENSG00000226857		21741	0.08					
22219	ENSG00000231107		21743.1	0.08					
22220	ENSG00000223570		21743.8	0.08					
22234	ENSG00000261916		21754.7	0.08					
22251	ENSG00000246903		21766.3	0.08					
22268	ENSG00000270810		21775	0.08					
22270	ENSG00000292362		21775.5	0.08					
22280	ENSG00000231711		21781.1	0.08					
22288	ENSG00000234038		21790.3	0.08					
22296	ENSG00000232089		21794.2	0.08					
22305	ENSG00000251553		21801.3	0.08					
22310	ENSG00000251615		21806.9	0.08					
22311	ENSG00000232526		21807.8	0.08					
22321	ENSG00000232399		21814	0.08					
22328	ENSG00000259575		21818.9	0.08					
22333	ENSG00000258829		21822.8	0.08					
22338	ENSG00000232528		21825.9	0.08					
22347	ENSG00000259160		21832.3	0.08					
22357	ENSG00000269733		21840.4	0.08					
22376	ENSG00000237698		21854	0.08					
22372	ENSG00000268168		21854.5	0.08					
22385	ENSG00000232523		21862.1	0.08					
22388	ENSG00000260586		21869	0.08					
22390	ENSG00000252525		21864.7	0.08					
22396	ENSG00000238290		21868.8	0.08					
22403	ENSG00000247744		21875.6	0.08					
22412	ENSG00000253161		21880.5	0.08					
22413	ENSG00000260190		21880.7	0.08					
22418	ENSG00000252107		21884	0.08					
22421	ENSG00000234716		21884.4	0.08					
22425	ENSG00000227470		21886.8	0.08					
22430	ENSG00000235339		21889.5	0.08					
22431	ENSG00000256468		21891.6	0.08					
22432	ENSG00000238186		21893.6	0.08					
22434	ENSG00000239098		21894.7	0.08	20	34708884	34708984		Small nuclear RNA U13
22438	ENSG00000251658		21899.3	0.08					
22444	ENSG00000232762		21904.9	0.08					
22464	ENSG00000230165		21917	0.08					
22465	ENSG00000248163		21917.3	0.08					
22467	ENSG00000238003		21917.5	0.08					
22472	ENSG00000234453		21920.6	0.08					
22478	ENSG00000230783		21923.8	0.08					
22477	ENSG00000264396		21924.6	0.08	X	71443094	71443403		RNA, 7SL, cytoplasmic 80, pseudogene
22483	ENSG00000230319		21930.6	0.08					
22490	ENSG00000246963		21931.5	0.08					
22500	ENSG00000245662		21941.6	0.08					
22514	ENSG00000230801		21951.1	0.08					
22516	ENSG00000259657		21953.4	0.08					
22549	ENSG00000226067		21960.8	0.08					
22553	ENSG00000232763		21984.9	0.08					
22570	ENSG00000271860		22001.9	0.08					
22576	ENSG00000258234		22006.1	0.08					
22581	ENSG00000230168		22008	0.08					
22586	ENSG00000224949		22012.5	0.08					
22596	ENSG00000273077		22022.5	0.08					
22618	ENSG00000268724		22041.3	0.08					
22621	ENSG00000250396		22043.3	0.08					
22626	ENSG00000230984		22047.3	0.08					
22633	ENSG00000225167		22050.3	0.08					
22632	ENSG00000259711		22053	0.08					
22635	ENSG00000248478		22054.2	0.08					
22636	ENSG00000227895		22056.9	0.08					
22640	ENSG00000231622		22059	0.08					
22656	ENSG00000270733		22070.8	0.08					
22657	ENSG00000226298		22071.4	0.08					
22671	ENSG00000228411		22084.1	0.08					
22688	ENSG00000222024		22095.6	0.08					
22688	ENSG00000251052		22097.5	0.08					
22699	ENSG00000224264		22106.7	0.08					
22701	ENSG00000250295		22108.4	0.08					
22709	ENSG00000269251		22114.1	0.08					
22710	ENSG00000246947		22114.7	0.08					
22716	ENSG00000268950		22119.7	0.08	1	31902152	31902614		HCG1787699; Uncharacterized protein
22717	ENSG00000252557		22119.7	0.08	7	148963533	148963604		Small nuclear RNA SNORD112
22724	ENSG00000254467		22117.2	0.08					
22740	ENSG00000226107		22142.7	0.08					
22744	ENSG00000244899		22145.6	0.08					
22753	ENSG00000249311		22149.1	0.08					
22758	ENSG00000225898		22150.4	0.08					
22773	ENSG00000272472		22161.2	0.08					
22774	ENSG00000226364		22161.3	0.08					
22797	ENSG00000268978		22179.5	0.08					
22800	ENSG00000226988		22181.1	0.08					
22803	ENSG00000230218		22183.9	0.08					
22804	ENSG00000268467		22185.5	0.08	X	122844694	122844692		RNA, 7SL, cytoplasmic 29, pseudogene
22820	ENSG00000234878		22203.1	0.08					
22823	ENSG00000252522		22206.3	0.08					
22833	ENSG00000233593		22214.3	0.08					
22840	ENSG00000268458		22219.6	0.08					
22842	ENSG00000251537		22222.4	0.08					
22847	ENSG00000233924		22224	0.08					
22861	ENSG00000232218		22231	0.08					
22870	ENSG00000226013		22237.5	0.08					
22874	ENSG00000248792		22242.3	0.08					
22885	ENSG00000266549		22253.1	0.08					
22891	ENSG00000271290		22257.8	0.08					
22901	ENSG00000247363		22265.3	0.08					
22918	ENSG00000270861		22282.4	0.08					
22924	ENSG00000232657		22285.4	0.08					
22947	ENSG00000224644		22307.1	0.08					
22950	ENSG00000230922		22309.5	0.08					
22987	ENSG00000250799		22346.7	0.08					
22994	ENSG00000269584		22352.1	0.08					
23005	ENSG00000272056		22360.6	0.08					
23009	ENSG00000271676		22372.6	0.08					
23022	ENSG00000231853		22373.1	0.08					
23024	ENSG00000226684		22374	0.08					
23036	ENSG00000231198		22376.4	0.08					
23038	ENSG00000250664		22382	0.08					
23043	ENSG00000234654		22385.8	0.08					
23062	ENSG00000249807		22400	0.08					
23067	ENSG00000254574		22405.4	0.08					
23071	ENSG00000230320		22407.1	0.08					
23072	ENSG00000226897		22407.4	0.08					
23084	ENSG00000252525		22417.8	0.08					
23089	ENSG00000229857		22421.5	0.08					
23101	ENSG00000226987		22430.2	0.08					
23108	ENSG00000224271		22434.5	0.08					
23122	ENSG00000258821		22440.3	0.08					
23125	ENSG00000259987		22444.1	0.08					
23127	ENSG00000225115		22445.2	0.08					
23133	ENSG00000196114		22448.9	0.08					
23161	ENSG00000250361		22473	0.08					
23166	ENSG00000226628		22480	0.08					
23171	ENSG00000237118		22482.8	0.08					
23175	ENSG00000234271		22485.6	0.08					
23177	ENSG00000231798		22487.6	0.08					
23180	ENSG00000260410		22489.6	0.08					

21183	ENSG00000206193		22491	7	0.08						
21202	ENSG00000214118		22513	0.08							
21205	ENSG00000217353		22513	0.08							
21213	ENSG00000256542		22520	0.08							
21220	ENSG00000266550		22529	0.08							
21228	ENSG00000203198		22533	5	0.08						
21231	ENSG00000225498		22534	0.08							
21233	ENSG00000226204		22535	6	0.08						
21236	ENSG00000226551		22538	2	0.08						
21250	ENSG00000259577		22548	2	0.08						
21270	ENSG00000275423		22557	2	0.08						
21286	ENSG00000275282		22562	2	0.08						
21288	ENSG00000233060		22570	1	0.08						
21344	ENSG00000202621		22584	1	0.08						
21348	ENSG00000230958		22582	2	0.08						
21352	ENSG00000202098		22593	3	0.08						
21358	ENSG000002071045		22660	1	0.08						
21345	ENSG00000230239		22685	9	0.08						
21441	ENSG00000211624		22693	9	0.08						
21449	ENSG00000255238		22693	7	0.08						
21520	ENSG00000206037		22742	1	0.08						
21558	ENSG00000229815		22772	3	0.08						
21566	ENSG00000258462		22775	9	0.08						
21580	ENSG00000233006		22787	2	0.08						
21587	ENSG00000215871		22791	5	0.08						
21590	ENSG00000234091		22792	1	0.08						
21598	ENSG00000241851		22793	3	0.08						
21642	ENSG00000214328		22834	1	0.08						
21662	ENSG00000253704		22859	3	0.08						
21684	ENSG00000254855		22879	5	0.08						
21687	ENSG00000214841		22882	8	0.08						
21691	ENSG00000272604		22883	8	0.08						
21696	ENSG00000287666		22888	6	0.08						
21708	ENSG00000213333		22892	11	0.08						
21762	ENSG00000229431		22943	1	0.08						
21788	ENSG00000240098		22967	2	0.08						
21801	ENSG00000215688		22983	2	0.08						
21852	ENSG00000217973		23021	2	0.08						
21885	ENSG00000254162		23045	6	0.08						
21918	ENSG00000229728		23068	1	0.08						
21926	ENSG00000229380		23068	2	0.08						
21991	ENSG00000202941		23137	2	0.08						
24038	ENSG00000201076		23196	4	0.08						
24095	ENSG00000226198		23231	5	0.08						
24251	ENSG00000214597	TMEM249	23342	2	0.08						transmembrane protein 249
24388	ENSG00000216599		23624	6	0.08						
24605	ENSG00000201615		23698	7	0.08						
24688	ENSG00000211396		23717	4	0.07						
14038	ENSG00000206148	BZDFP1-AS1	15602	1	0.07	antisense	17	56402811	56403127		BZDFP1 antisense RNA 1
18922	ENSG00000206273	SETD5-AS1	19199	3	0.07	antisense	3	93913213	94400583		SETD5 antisense RNA 1
20362	ENSG00000233483		20114	6	0.07	antisense	X	2770781	2771801		GYG2 antisense RNA 1
20788	ENSG00000229796	DBH-AS1	20637	7	0.07	antisense	9	13691978	136522435		DBH antisense RNA 1
21211	ENSG00000229276		21559	5	0.07	antisense	3	42744165	42748154		RHAI1 antisense RNA 1
21964	ENSG00000233880	TSPAR-AS1	21550	9	0.07	antisense	2	45926999	45935738		TSPAR antisense RNA 1
22003	ENSG00000244302	RP11791G22.1	21621	4	0.07	antisense	3	178616017	178639983		PENL5 antisense RNA 2
22096	ENSG00000202696	LINC02058	21644	8	0.07	antisense	8	2425531	94172681		long intergenic non-protein coding RNA 535
22784	ENSG00000228862	HCS23	22168	6	0.07	antisense	6	32358287	32361483		HLA complex group 23 (non-protein coding)
22799	ENSG00000233893	EZR-AS1	22180	1	0.07	antisense	6	19223043	19241628		EZR antisense RNA 1
22806	ENSG00000233928	CAC17A-AS1	22184	8	0.07	antisense	8	2425531	94172681		long intergenic non-protein coding RNA 35
23283	ENSG00000226238	LEM1-AS1	22563	1	0.07	antisense	1	20534280	20535668		LEM1 antisense RNA 1
23315	ENSG00000233506		22592	4	0.07	antisense	3	29857466	29864300		RBM53 antisense RNA 2
23454	ENSG00000214871		22627	1	0.07	antisense	12	50221258	50234068		ISG15 antisense RNA 1
23504	ENSG00000241684	ADAMTS-AS2	22732	4	0.07	antisense	3	64670585	64697143		ADAMTS antisense RNA 2
23697	ENSG00000245112	SMARCA5-AS1	22892	2	0.07	antisense	4	14443425	144433788		SMARCA5 antisense RNA 1
23788	ENSG00000202991		23013	5	0.07	antisense	3	38312005	38317177		long intergenic non-protein coding RNA 517
23844	ENSG00000228214	LINC00083	23128	2	0.07	antisense	3	28616282	28799831		long intergenic non-protein coding RNA 693
24164	ENSG00000196810	CTBP1-AS2	23280	1	0.07	antisense	4	1243088	1242079		CTBP1 antisense RNA 2 (head to head)
24230	ENSG00000202696	CAC17A-AS1	23282	19	0.07	antisense	19	26072425	3811938		CAC17A antisense RNA 1
24666	ENSG00000204034	ATP10E2-AS1	23728	6	0.07	antisense	7	14856748	148577699		ATP10E2 antisense RNA 1
24768	ENSG00000202441		23788	9	0.07	antisense	13	100151981	100153308		long intergenic non-protein coding RNA 449
24968	ENSG00000201663	BCDN-AS1	24133	3	0.07	antisense	12	50221258	50234068		BCDN antisense RNA 1
3839	ENSG00000211896	LDC101930374	57058	5	0.07	IG_C_gene	14	106202880	106205048		immunoglobulin heavy constant gamma 1 (IG1m marker)
4840	ENSG00000218677		7434	2	0.07	IG_C_gene	22	23243156	23243617		immunoglobulin lambda constant 2 (Karr-Ox marker)
9893	ENSG00000202098		22983	2	0.07	IG_C_gene	14	106330397	106330845		immunoglobulin heavy joining 2
4952	ENSG00000242041		7048	4	0.07	IG_C_gene	14	106330425	106330470		immunoglobulin heavy joining 4
10092	ENSG00000211593		12420	6	0.07	IG_C_gene	2	89160080	89180117		immunoglobulin kappa joining 5
10971	ENSG00000211685		48127	22	0.07	IG_C_gene	22	2388548	2388548		immunoglobulin lambda variable 3-16
3526	ENSG00000231478		51113	5	0.07	IG_V_gene	14	106802029	106805716		immunoglobulin heavy variable 4-31
3888	ENSG00000202371		6085	6	0.07	IG_V_gene	2	89619383	89619904		immunoglobulin kappa variable 1-39 (pseudogene)
4046	ENSG00000211631		22827	22	0.07	IG_V_gene	22	22827	22827		immunoglobulin lambda variable 4-69
4283	ENSG00000202473		6660	8	0.07	IG_V_gene	14	107081806	107083830		immunoglobulin heavy variable 4-59
14950	ENSG00000211957		16203	14	0.07	IG_V_gene	14	106845323	106845789		immunoglobulin heavy variable 3-35 (non-functional)
16800	ENSG00000211568		19097	10	0.07	IG_V_gene	14	106866546	106866934		immunoglobulin heavy variable 3-38 (non-functional)
16851	ENSG00000225174		20445	2	0.07	IG_V_pseudogene	14	106579164	106579303		immunoglobulin heavy variable 1-12 (pseudogene)
16545	ENSG00000254056		18699	6	0.07	IG_V_pseudogene	14	107183396	107183557		immunoglobulin heavy variable 3-71 (pseudogene)
15481	ENSG00000202451		18781	1	0.07	IG_V_pseudogene	14	106204943	106204943		immunoglobulin lambda variable 2-29 (pseudogene)
16884	ENSG00000202618	LINC00044	19208	7	0.07	antisense	8	127214383	127226657		long intergenic non-protein coding RNA 844
17311	ENSG00000202481	LINC00193	17686	4	0.07	antisense	4	185815025	185820068		long intergenic non-protein coding RNA 1093
18996	ENSG00000190181	TIPET1	17596	2	0.07	antisense	22	71062777	71179632		transmembrane phosphatase with tetra helicity pseudogenes 1
20541	ENSG00000202381	OSER1-AS1	19200	2	0.07	antisense	20	42939800	42939867		OSER1 antisense RNA 1 (head to head)
20541	ENSG00000202381	DKFZP434H714	20455	5	0.07	antisense	4	153467146	153468015		miRcRNA 4453
20786	ENSG00000228221	LINC00578	20522	2	0.07	antisense	3	177199709	177470993		long intergenic non-protein coding RNA 578
21176	ENSG00000204346	LINC00368	21057	4	0.07	antisense	14	92951805	93110738		long intergenic non-protein coding RNA 668
21212	ENSG00000243829	LINC00080	21863	4	0.07	antisense	3	156789456	156840793		long intergenic non-protein coding RNA 860
22240	ENSG00000202467	LINC00019	21760	1	0.07	antisense	10	44340794	44340790		long intergenic non-protein coding RNA 619
22291	ENSG00000202921	LINC00454	21706	1	0.07	antisense	3	114501823	114506824		long intergenic non-protein coding RNA 654
22275	ENSG00000205181	LINC00654	21777	8	0.07	antisense	20	5478713	5485259		long intergenic non-protein coding RNA 654
22275	ENSG00000214145		21857	1	0.07	antisense	3	184014254	184033092		long intergenic non-protein coding RNA 887
22474	ENSG00000202921	LINC00309	21707	2	0.07	antisense	14	64412217	64412217		long intergenic non-protein coding RNA 309
22565	ENSG00000229537	LINC00379	21876	13	0.07	antisense	13	91778667	91783661		long intergenic non-protein coding RNA 379
22683	ENSG00000233532	LINC00460	22093	5	0.07	antisense	10	107028911	107030565		long intergenic non-protein coding RNA 460
22843	ENSG00000202461	LINC01102	22207	2	0.07	antisense	14	105012225	105012225		long intergenic non-protein coding RNA 1102
22854	ENSG00000228208		22227	3	0.07	antisense	1	218683438	218699320		chromosome 1 open reading frame 143
23323	ENSG00000233807		22598	3	0.07	antisense	5	123641923	12374072		long intergenic non-protein coding RNA 1170
23478	ENSG00000204118	LINC01018	22714	7	0.07	antisense	5	341296	352629		long intergenic non-protein coding RNA 1019
23630	ENSG00000230651	RGPD4-AS1	22882	9	0.07	antisense	2	108439519	108443347		RGPD4 antisense RNA 1 (head to head)
23763	ENSG00000231458	LINC00032	22844	1	0.07	antisense	9	27245882	27282791		long intergenic non-protein coding RNA 32
24058	ENSG00000233687		23170	1	0.07	antisense	12	49131218	49135568		long intergenic non-protein coding RNA 935
24499	ENSG00000259714		23561	7	0.07	antisense	15	40664026	40664677		long intergenic non-protein coding RNA 594
24548	ENSG000002024981	LINC01057	23562	2	0.07	antisense	1	95104017	95288537		long intergenic non-protein coding RNA 1057
24701	ENSG00000231574	FAM86B	23732	9	0.07	antisense	8	7192183	7212876		family with sequence similarity 66, member B
24820	ENSG00000259673	IQCH-AS1	23840	7	0.07	antisense	15	67695957	67814182		

2321	ENSG00000199962		22528.2	0.07	misc RNA	21	18949118	18949228		Y RNA
2328	ENSG0000011229		22570	0.07	processed pseudogene	20	42633048	42633174		RNA 75S, cytoplasmic 443, pseudogene
23318	ENSG00000203472		22593	0.07	misc RNA	18	29298556	29299171		RNA 75S small nuclear pseudogene 44
23428	ENSG00000202127		22682.7	0.07	misc RNA	17	47494106	47494212		Y RNA
23528	ENSG00000204330		23002.2	0.07	misc RNA	18	14699761	14699811		RNA 75S, cytoplasmic 274, pseudogene
24600	ENSG00000204562		23354.4	0.07	misc RNA	18	41270518	41270511		RNA 75S, cytoplasmic 326, pseudogene
25324	ENSG00000206753		24252.1	0.07	misc RNA	1	15127343	15127349		RNA 75S, cytoplasmic 444, pseudogene
25150	ENSG00000206801	MRGHP5	21695	0.07	polymorphic pseudogene	8	142463929	142517330		histone H4-like repeat family member 5
25386	ENSG00000209762		22456.6	0.07	processed pseudogene	Y	42633074	42633078		cytochrome P450 family 2, subfamily D, polypeptide 1, pseudogene
6238	ENSG00000229129		90133	0.07	processed pseudogene	Y	19868881	19868905		actin, gamma 1 pseudogene 2
6528	ENSG00000238103		96652.2	0.07	processed pseudogene	A	23854781	23854789		ribosomal protein L5 pseudogene 7
7907	ENSG00000232526		10954.1	0.07	processed pseudogene	X	22550031	22551618		eukaryotic translation elongation factor 1 alpha 1 pseudogene 6
8745	ENSG00000245880		11330.5	0.07	processed pseudogene	9	52646296	52646299		ribosomal protein L37 pseudogene 23
9289	ENSG00000243222		11778.7	0.07	processed pseudogene	X	92542732	92543736		suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 18
10688	ENSG00000171197		12987.4	0.07	processed pseudogene	13	49926220	49926302		PEST containing nuclear protein pseudogene 5
11280	ENSG00000188459		13378.3	0.07	processed pseudogene	X	47637325	47684188		WAS protein family, member 4, pseudogene
11671	ENSG00000243899		13718.4	0.07	processed pseudogene	5	84760232	84781128		ribosomal protein L5 pseudogene 17
12007	ENSG00000176378		14133.6	0.07	processed pseudogene	1	21766249	21766275		profilin 1 pseudogene 10
12763	ENSG000002028417		14553	0.07	processed pseudogene	10	97949122	97949175		nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 25
12874	ENSG00000187762		14638.5	0.07	processed pseudogene	6	34911299	34911038		heat shock 10kDa protein 1 pseudogene 11
13395	ENSG00000232923		15022.2	0.07	processed pseudogene	1	45202699	45202697		ribosomal protein S15a pseudogene 11
14821	ENSG00000213707		16099.3	0.07	processed pseudogene	22	28958492	28958494		high mobility group box 1 pseudogene 10
16221	ENSG00000211544		16720.1	0.07	processed pseudogene	18	55505706	55506198		ribosomal L24 domain containing 1 pseudogene 11
18141	ENSG00000211989	PPH7R2P3	17138.2	0.07	processed pseudogene	5	19027549	19027639		protein phosphatase 1, regulatory (inhibitor) subunit 2, pseudogene 3
17577	ENSG00000218331		18185.3	0.07	processed pseudogene	6	26195794	26195999		histone cluster 1, H1, pseudogene 1
17588	ENSG00000232064		18191.1	0.07	processed pseudogene	2	34064849	34065745		solute carrier family 25 (mitochondrial carrier, adenosine nucleotide translocator), member 5
18228	ENSG00000226376		18676.7	0.07	processed pseudogene	10	89789962	89789109		POU class 5 homeobox 1 pseudogene 5
18313	ENSG00000218803	GSTM2P1	18734.9	0.07	processed pseudogene	6	111388071	111388724		glutathione S-transferase mu 2 (mu class) pseudogene 1
18470	ENSG00000204134		18821.1	0.07	processed pseudogene	11	58621173	58621108		high mobility group nucleosome binding domain 1 pseudogene 28
19533	ENSG00000287352		19684.5	0.07	processed pseudogene	17	86130816	86131745		SH3 domain GRG2-like domain 1 pseudogene 3
19664	ENSG00000202207		19757.6	0.07	processed pseudogene	3	138486674	138487552		glyceroldehyde 3 phosphate dehydrogenase pseudogene 39
19703	ENSG00000211703		19937.8	0.07	processed pseudogene	11	39937541	39937541		poly(A) binding protein pseudogene 1
19798	ENSG00000234152		19988.5	0.07	processed pseudogene	13	25939937	25940293		transcription elongation factor B (SII), polypeptide 2 (18kDa, elongin B) pseudogene 1
19901	ENSG00000213771		19953.8	0.07	processed pseudogene	10	8556565	8557069		keratin 8 pseudogene 37
19950	ENSG00000204920		20005.8	0.07	processed pseudogene	2	4106822	4106822		glyceroldehyde 3 phosphate dehydrogenase pseudogene 37
19969	ENSG00000228551		20005.8	0.07	processed pseudogene	2	109687879	109688102		small nuclear ribonucleoprotein polypeptide G pseudogene 9
20226	ENSG00000204704		20205.3	0.07	processed pseudogene	3	170073959	170073886		knappa-like factor 7 pseudogene 1
20289	ENSG00000205690		20205.3	0.07	processed pseudogene	3	30251620	30251620		ribosomal protein S20 pseudogene 16
20490	ENSG00000228783		20417.3	0.07	processed pseudogene	9	125448212	125445051		lactadherin-like kinase 1 pseudogene 1
20562	ENSG00000211434		20477.1	0.07	processed pseudogene	6	12704181	12704092		ribosomal protein S4X pseudogene 9
20388	ENSG00000205919		20528.9	0.07	processed pseudogene	8	8658289	8658289		glyceroldehyde 3 phosphate dehydrogenase pseudogene 88
20742	ENSG00000233959		20607	0.07	processed pseudogene	9	39874807	39874917		NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 pseudogene 4
20777	ENSG00000205749		20629.5	0.07	processed pseudogene	12	14407848	14408186		guanine nucleotide binding protein (G-protein), alpha inhibiting activity polypeptide 2 pseudogene 2
20839	ENSG00000204129		20678.9	0.07	processed pseudogene	3	138543905	138545171		eukaryotic translation elongation factor 1 alpha 1 pseudogene 25
20867	ENSG000002040298		20694.9	0.07	processed pseudogene	11	25610021	25610389		ribosomal protein L36a pseudogene 40
20888	ENSG000002032734		20695	0.07	processed pseudogene	10	71193278	71193278		ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) pseudogene 7
20908	ENSG000002059105		20727.4	0.07	processed pseudogene	14	35937478	35938356		ribosomal protein S3A pseudogene 4
21152	ENSG00000215594		20909.8	0.07	processed pseudogene	2	38512502	38513364		glyceroldehyde 3 phosphate dehydrogenase pseudogene 26
21206	ENSG00000203718		20929.0	0.07	processed pseudogene	13	134618135	134618833		ribosomal protein S21 pseudogene 42
21267	ENSG000002062402		21002.6	0.07	processed pseudogene	18	49139009	49139480		ribosomal L24 domain containing 1 pseudogene 9
21334	ENSG00000214249	CTAGE11P	21058.1	0.07	processed pseudogene	13	78182090	78184432		CTAGE family, member 11, pseudogene 1
21438	ENSG00000202879		21146.8	0.07	processed pseudogene	13	19249375	19249381		form 1 homolog 1 (G. elegans) pseudogene 4
21522	ENSG00000225658		21209.3	0.07	processed pseudogene	2	74578281	74578644		TAF13 RNA polymerase II, TATA box binding protein (TBP) associated factor, 18kDa pseudogene 2
21654	ENSG00000205547		21315.1	0.07	processed pseudogene	11	100207588	100208357		replication protein A2 pseudogene 3
21665	ENSG00000226908		21328.2	0.07	processed pseudogene	13	22057973	22058131		histone cluster 1, H2b, pseudogene 3
21667	ENSG00000231381		21328.9	0.07	processed pseudogene	12	51789702	51789753		adenylate kinase 4 pseudogene 3
21707	ENSG00000203543		21339.1	0.07	processed pseudogene	11	55695821	55695821		high mobility group nucleosome binding domain 1 pseudogene 30
21724	ENSG00000225843		21377	0.07	processed pseudogene	7	90948443	90950418		non imprinted in Prader-Willi/Angelman syndrome 2 pseudogene 1
21935	ENSG000002041562		21528.4	0.07	processed pseudogene	15	100091587	100091542		ribosomal protein L7 pseudogene 1
21944	ENSG00000205501		21538.4	0.07	processed pseudogene	5	20079344	20079344		ribosomal protein S4L pseudogene 4
22038	ENSG000002053421		21608	0.07	processed pseudogene	8	143939770	143840213		zinc finger, HRT-type containing 1 pseudogene 1
22160	ENSG00000243592		21698.2	0.07	processed pseudogene	5	55432006	55433358		ribosomal protein L17 pseudogene 22
22213	ENSG00000205449		21722.2	0.07	processed pseudogene	11	11010492	110104721		ribosomal protein L19 pseudogene 1
22401	ENSG000002057223		21873.9	0.07	processed pseudogene	12	73004458	73005096		coiled-coil-helix-coiled-coil-helix domain containing 3 pseudogene 2
22517	ENSG000002041112		21955.2	0.07	processed pseudogene	5	148924946	148924946		ribosomal protein S14 pseudogene 14
22786	ENSG00000207178		22484.1	0.07	processed pseudogene	14	7484182	74841823		ribosomal protein S16 pseudogene 1
22834	ENSG000002050835		22514.3	0.07	processed pseudogene	4	143238381	143238699		LSM3 pseudogene 4
22896	ENSG00000209028		22529.2	0.07	processed pseudogene	15	43423206	43423884		signal peptidase complex subunit 2 homolog (S. cerevisiae) pseudogene 1
22948	ENSG00000213543		22309.4	0.07	processed pseudogene	10	13545092	135451386		retinoid acid nuclear receptor, beta class (retinoid) 2 pseudogene 2
22967	ENSG000002052565		22323.8	0.07	processed pseudogene	11	58543710	58543727		translation machinery associated 16 homolog pseudogene 1
22992	ENSG00000238860		22350.7	0.07	processed pseudogene	13	102915386	102915562		ribosomal protein L39 pseudogene 29
23000	ENSG00000215548		22362.7	0.07	processed pseudogene	7	8286382	8286382		MTOR pseudogene 12
23025	ENSG00000213530		22374.1	0.07	processed pseudogene	7	82219164	82220007		methylenealdehyddehydrogenase (NAD(P)+ dependent) 2, methylenealdehyddehydrogenase pseudogene 5
23092	ENSG00000205858		22423.1	0.07	processed pseudogene	14	103814954	103815745		ribosomal protein L21 pseudogene 12
23138	ENSG000002048400		22451.6	0.07	processed pseudogene	5	82264707	82272972		suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 12
23186	ENSG00000232823		22483.5	0.07	processed pseudogene	10	12142639	12144335		biotendin pseudogene 1
23194	ENSG00000201159		22483.5	0.07	processed pseudogene	11	7933159	7933159		ribosomal protein L11 pseudogene 11
23242	ENSG000002054151		22542.8	0.07	processed pseudogene	8	82529455	82530795		non imprinted in Prader-Willi/Angelman syndrome 2 pseudogene 4
23246	ENSG00000232862		22545	0.07	processed pseudogene	9	75270748	75271108		ribosomal protein S20 pseudogene 24
23265	ENSG00000204207		22556.2	0.07	processed pseudogene	12	64260519	64260604		ribosomal protein L36a pseudogene 41
23273	ENSG00000203336		22559.4	0.07	processed pseudogene	7	51814520	51815221		ribosomal protein S2 pseudogene 48
23341	ENSG000002065790		22597.1	0.07	processed pseudogene	17	20862522	20862993		ribonuclease H1 pseudogene 1
23345	ENSG00000204083		22624.9	0.07	processed pseudogene	5	87617774	87617942		ribosomal protein S3a pseudogene 22
23349	ENSG00000204161		22624.9	0.07	processed pseudogene	5	43174157	43174989		ribosomal protein S10 pseudogene 28
23380	ENSG00000175319		22650.7	0.07	processed pseudogene	18	14152998	14157941		neurofilament 1 pseudogene 8
23416	ENSG00000202584		22672.6	0.07	processed pseudogene	A	3622615	3622976		high mobility group box 1 pseudogene 16
23418	ENSG000002026226		22672.6	0.07	processed pseudogene	A	229841298	229841298		alpha-tubulin 2 (Drosophila) pseudogene 1
23428	ENSG00000232422		22679.7	0.07	processed pseudogene	6	73969036	73969743		lysine-rich nuclear protein 1 pseudogene 4
23495	ENSG000002049870		22725.2	0.07	processed pseudogene	8	99794283	99794498		ribosomal protein L19 pseudogene 14
23801	ENSG000002026480		22911.3	0.07	processed pseudogene	8	2916781	2916781		sterile alpha motif domain containing 1 pseudogene 1
23745	ENSG000002013812		22928.7	0.07						

7664	ENSG00000131378	RFNT1	10396	3	0.07	protein_coding	3	16355081	16655533	ratfin, lipa1 raft linker 1
7666	ENSG00000104564	CHST2	10428	7	0.07	protein_coding	19	22923	22923	omithine decarboxylase anionzyme 1
7666	ENSG00000008159	PXN	10416	4	0.07	protein_coding	12	12054250	12070374	betafin
7724	ENSG00000164749	HM14G	10451	4	0.07	protein_coding	8	7632049	76479078	hepatocyte nuclear factor 4, gamma
7725	ENSG00000125077	ENIC	10453	3	0.07	protein_coding	3	10004221	10052800	ER membrane protein complex subunit 3
7797	ENSG00000163398	GALNT3	10473	7	0.07	protein_coding	2	16966181	16969149	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3)
7801	ENSG00000008398	SLC15A1	10601	7	0.07	protein_coding	2	9632605	9643488	solute carrier family 15 (oligopeptide transporter), member 1
7834	ENSG00000183734	ASCL2	10647	1	0.07	protein_coding	13	2289275	2292192	ascl2, basic helix-loop-helix transcription factor 2
8083	ENSG00000146386	ABRA1	10775	9	0.07	protein_coding	6	13954819	13954819	ABRA C-terminal like
8186	ENSG00000180089	TMEM88B	10855	6	0.07	protein_coding	19	5674800	56744148	transmembrane protein 88B
8210	ENSG00000145291	PSKH1	10882	4	0.07	protein_coding	12	15485862	15486899	pre-B-cell leukemia protein interacting protein 1
8213	ENSG00000139117	CPNE8	10885	4	0.07	protein_coding	12	3904024	39041232	copine VIII
8232	ENSG00000115225	DDK1	10910	5	0.07	protein_coding	2	7478153	74784881	docking protein 1, 62kDa (downstream of lysine kinase 1)
8396	ENSG00000105988	FAM78A	11048	4	0.07	protein_coding	20	814358	814358	family with sequence similarity 110, member A
8466	ENSG00000110719	TCERG1	11106	1	0.07	protein_coding	11	6780483	67818362	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3
8493	ENSG00000119277	RILPL2	11131	3	0.07	protein_coding	12	12369936	123691294	Rab interacting lysosomal protein-like 2
8519	ENSG00000184460	3.5ex	11358	2	0.07	protein_coding	17	7271961	72649678	
8644	ENSG00000174004	NROOS	11248	3	0.07	protein_coding	3	19636557	19638875	negative regulator of reactive oxygen species
8697	ENSG00000180745	CLRN3	11287	6	0.07	protein_coding	10	12967105	129691211	clarin 3
8720	ENSG00000105250	HDR	11306	3	0.07	protein_coding	2	13872150	13872150	histamine h-methyltransferase
8763	ENSG00000170915	PAQR8	11349	4	0.07	protein_coding	6	5222819	52272575	progestin and adipoQ receptor family member VIII
8800	ENSG00000115295	MAP3K7CL	11403	4	0.07	protein_coding	21	30449792	30454210	MAP3K7 C-terminal like
8837	ENSG00000100971	ACAK1	11413	5	0.07	protein_coding	3	38144620	38179333	acetyl-CoA acyltransferase 1
8844	ENSG00000004153	RAB27B	11417	7	0.07	protein_coding	18	5238509	5238747	RAB27B, member RAS oncogene family
8847	ENSG00000101445	PPP1R18B	11419	2	0.07	protein_coding	20	3743438	37551587	protein phosphatase 1, regulatory subunit 18B
8961	ENSG00000110260	SLAMF1	11518	1	0.07	protein_coding	2	16907890	16907890	signaling lymphocytic activation molecule family member 1
8966	ENSG00000132826	PPP1R3D	11521	0.07	protein_coding	20	5851184	5851352	protein phosphatase 1, regulatory subunit 3D	
9035	ENSG00000186873	HIST1H2AC	11577	6	0.07	protein_coding	6	2612473	2613944	histone cluster 1, H2ac
9082	ENSG00000184815	SH3GLB1	11657	3	0.07	protein_coding	16	1328192	1328192	synfilin 10
9101	ENSG00000105703	SH3BP1	11657	3	0.07	protein_coding	1	87170259	87171367	SH3 domain GRB2-like endophilin B1
9180	ENSG00000110407	EH1	11683	2	0.07	protein_coding	11	64619114	64655768	EH-domain containing 1
9244	ENSG00000117603	CD55	11821	4	0.07	protein_coding	8	800240	800240	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
9325	ENSG00000119632	CD55	11811	1	0.07	protein_coding	1	20744853	20754311	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
9383	ENSG00000006366	ACSL4	11852	0.07	protein_coding	X	108887473	10887632	acyl-CoA synthetase long-chain family member 4	
9508	ENSG00000132480	ZNF341	11852	2	0.07	protein_coding	12	564217	564217	zinc finger protein 341 (Zn finger)
9518	ENSG00000138867	GLUCD1	11957	5	0.07	protein_coding	22	24936406	24931003	glucanil cyclase domain containing 1
9536	ENSG00000144579	CTDSP1	11979	0.07	protein_coding	2	21922979	21927064	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A1) small phosphatase 1	
9537	ENSG00000100516	ZNF341	11982	0.07	protein_coding	12	7144816	7144816	zinc finger protein 341 (Zn finger)	
9718	ENSG00000154167	LSM6	12127	0.07	protein_coding	4	14709837	14711215	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)	
9722	ENSG00000185257	ARF5	12127	2	0.07	protein_coding	14	5035810	5035810	ADP-ribosylation factor 5
9808	ENSG00000185331	ADAMTS1	12281	4	0.07	protein_coding	10	10101788	11021973	adhesin-like metalloproteinase domain 2
10000	ENSG00000111269	CREBL2	12378	0.07	protein_coding	12	12764781	12796042	cAMP responsive element binding protein-like 2	
10088	ENSG00000108819	PPP1R3B	12402	2	0.07	protein_coding	17	48211104	48227991	protein phosphatase 1, regulatory subunit 3B
10088	ENSG00000100502	PPP1R3B	12416	6	0.07	protein_coding	12	122146903	122146903	protein phosphatase 1, regulatory subunit 3B
10277	ENSG00000100230	ATMR3	12500	0.07	protein_coding	22	2621544	2621544	mycobactin related protein 3	
10442	ENSG00000128004	IRF5	12891	5	0.07	protein_coding	7	12857766	12858009	interferon regulatory factor 5
10510	ENSG00000175960	GPR180	12740	4	0.07	protein_coding	3	16975577	16980319	G-protein-coupled receptor 180
10607	ENSG00000100921	CSMD3	12900	0.07	protein_coding	3	8818886	8821379	chromosome 11 open reading frame 38	
10618	ENSG00000203896	LME1	12921	6	0.07	protein_coding	20	6236881	6237456	Lck interacting transmembrane adaptor 1
10721	ENSG00000182457	DCLRE1C	12922	6	0.07	protein_coding	10	14919336	14946431	DNA cross-link repair 1C
10764	ENSG00000186164	BRD1	12934	1	0.07	protein_coding	10	50347366	50350445	BRD1 domain containing 7
10844	ENSG00000122545	7.5p	13020	7	0.07	protein_coding	7	35840542	35844917	septin 7
10874	ENSG00000130813	R18H8	13046	1	0.07	protein_coding	10	10196798	10203928	chromosome 19 open reading frame 86
10975	ENSG00000202271	RTT10C1	13107	0.07	protein_coding	2	55041347	55041347	replication termination factor 2 domain containing 1	
11007	ENSG00000183844	PRMTK	13171	3	0.07	protein_coding	4	8817872	8820521	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1K
11088	ENSG00000147268	TALC1	13214	2	0.07	protein_coding	8	38686704	38710346	transforming, acidic coiled-coil containing protein 1
11124	ENSG00000100298	ALDH3A1	13242	1	0.07	protein_coding	8	2445700	2445700	aldehyde dehydrogenase 3 family, member A1
11193	ENSG00000211455	STK38L	13297	1	0.07	protein_coding	12	2739801	2747882	serine/threonine kinase 38 like
11202	ENSG00000138163	ETNK1	13303	6	0.07	protein_coding	12	2277809	22843599	ethanolamine kinase 1
11245	ENSG00000100511	UBXN3	13342	1	0.07	protein_coding	12	1182369	1182369	ubiquitin protein factor ECA
11315	ENSG00000005332	EPK2C	13409	4	0.07	protein_coding	2	3732633	3734208	eukaryotic translation initiation factor 2-alpha kinase 2
11368	ENSG00000186198	SLC15B	13486	3	0.07	protein_coding	15	6531708	6534547	solute carrier family 15, beta subunit
11603	ENSG00000100404	CWIP2	13502	1	0.07	protein_coding	10	10714183	10714183	CWIP2-like 2, cell cycle control (S. pombe)
11668	ENSG00000167434	CA4	13742	0.07	protein_coding	17	5827297	5828260	carbonic anhydrase IV	
11704	ENSG00000158922	UBXN11	13745	5	0.07	protein_coding	1	26607819	26644854	UBX domain protein 11
11797	ENSG00000185222	HEPPL2	13822	4	0.07	protein_coding	20	5724092	5724092	hepatocellular carcinoma protein 2
11848	ENSG00000185963	BICD2	13869	4	0.07	protein_coding	9	9547364	95627094	bicaudal D homolog 2 (Drosophila)
11917	ENSG00000122557	HERPUD2	13922	4	0.07	protein_coding	7	35672269	35735181	HERPUD family member 2
12138	ENSG00000145988	ARHGAP2	14035	6	0.07	protein_coding	13	17067819	17067819	arrestin related protein 2
12223	ENSG00000180304	GAZ2	14136	5	0.07	protein_coding	15	6497972	64995480	omithine decarboxylase anionzyme 2
12266	ENSG00000086850	HTP11A	14140	6	0.07	protein_coding	13	11334463	11334462	ATPase, class VI, type 11A
12353	ENSG00000105988	CAPS	14200	3	0.07	protein_coding	28	6214288	6214288	helicase with zinc finger 2, transcriptional coactivator
12417	ENSG00000105519	CAPS	14200	0.07	protein_coding	19	5911718	5911588	calphostinase	
12423	ENSG00000187912	CLEVA7	14262	6	0.07	protein_coding	19	14893886	14721969	C-type lectin domain family 7, member A
12444	ENSG00000130928	LTBR2	14302	2	0.07	protein_coding	19	573332	573332	leukotriene B4 receptor 2
12573	ENSG00000103322	IL2IR2	14417	8	0.07	protein_coding	16	27413453	2748211	interleukin 2 receptor 2
12603	ENSG00000189339	SLC35E2B	14419	5	0.07	protein_coding	1	1592839	1624167	solute carrier family 35, member 2B
12637	ENSG00000100993	RE3T	14431	1	0.07	protein_coding	14	10201868	10201868	RE3T co-receptor 1
12688	ENSG00000111850	SMIM8	14484	0.07	protein_coding	6	8802301	8802301	small integral membrane protein 8	
12689	ENSG00000141395	CYBBP1D2	14631	2	0.07	protein_coding	3	50388126	50395891	cytochrome b561 family, member D2
12918	ENSG00000100593	SUL1A3	14633	0.07	protein_coding	16	202924	202924	sulfotransferase family, cytosolic, 1A, plasma membrane, member 3	
12954	ENSG00000116514	GALNT2	14686	3	0.07	protein_coding	9	10156991	10161283	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12)
12984	ENSG00000202187	HNS2	14703	0.07	protein_coding	18	61616538	61640089	histocompatibility (minor) sepin domain containing	
13006	ENSG00000105981	TRIMAP	14704	6	0.07	protein_coding	3	5741777	5741788	transmembrane associated protein
13118	ENSG00000102010	BMX	14791	5	0.07	protein_coding	X	15452369	15574652	BMX non-receptor tyrosine kinase
13175	ENSG00000006305	MEF2A	14845	6	0.07	protein_coding	15	100017370	10025991	myocyte enhancer factor 2A
13286	ENSG00000185346	RBML1	14855	6	0.07	protein_coding	14	88441519	114262026	RNA binding motif protein, X-linked like 1
13297	ENSG00000189046	WBS1	14850	1	0.07	protein_coding	17	25621167	25640697	WD repeat and SOCS box containing 1
13336	ENSG00000188308	LINEK	14858	6	0.07	protein_coding	4	88431126	88430479	lin-54 (Xenopus, L. elegans)
13360	ENSG00000185348	HINK1	14858	3	0.07	protein_coding	4	114118184	114262026	homocysteine interacting protein kinase 1
13368	ENSG00000177044	DGKD	15028	1	0.07	protein_coding	2	234283153	234380750	dactylin/kinase, delta 130kDa
13787	ENSG00000180260	WAPAL	15013							

17074	ENSG00000004225	BTSGAL6	17832	0.07	protein_coding	3	98451080	98540005	ST3 beta-galactosidase alpha 2, sialyltransferase 6
17088	ENSG0000014448	KARSD1	17088	0.07	protein_coding	2	21108107	21108107	KAT5 regulator NSL complex subunit 1 like
17127	ENSG00000172967	XKR3	17868	0.07	protein_coding	22	17254302	17302589	XX, Kall blood group complex subunit-related family, member 3
17148	ENSG00000182528	CDK12	17887	0.07	protein_coding	17	37617764	37721100	cyclin-dependent kinase 12
17188	ENSG00000145244	CDK7	17070	0.07	protein_coding	47	850875	850875	discypher2 kinase, theta 10kDa
17474	ENSG00000145144	CY5B1T3	18114	0.07	protein_coding	11	81119117	61129171	cyclochrome b561, family, member A3
17481	ENSG00000192094	OSGEP	18120	0.07	protein_coding	1	20914570	20923264	O-sialylglycoprotein endopectidase
17561	ENSG00000175137	SHIBPL	18176	0.07	protein_coding	1	249140468	249120632	SH3-binding domain protein 5 like
17564	ENSG00000189466	ACE3	18194	0.07	protein_coding	17	81544452	81589205	angiotensin converting enzyme
17564	ENSG00000172058	SERF1A	18250	0.07	protein_coding	5	109196462	70214357	small ERK5-like factor 1A (leukemia)
17584	ENSG00000124181	PLCC1	18267	0.07	protein_coding	20	98746660	98811626	phospholipase C, gamma 1
17584	ENSG00000159682	GDC1	18288	0.07	protein_coding	2	127202972	127326885	GRIN1-associated domain containing 1
17707	ENSG00000181754	AMG01	18335	0.07	protein_coding	1	110048787	110052380	adhesion molecule with Ig-like domain 1
17811	ENSG00000203251	IER3P1	18381	0.07	protein_coding	5	64954992	64952618	CDNA FLJ20957 fs. clone SLV00486; Uncharacterized protein
17811	ENSG00000203982	IER3P1	18381	0.07	protein_coding	18	44981007	44702652	Immediate early response 3, interacting protein 1
17862	ENSG00000089882	RBM41	18482	0.07	protein_coding	X	106376600	106362057	RNA binding motif protein 41
17866	ENSG00000157426	AASDH	18483	0.07	protein_coding	4	57254456	57253466	aminoadipate-serine/lysine dehydrogenase
18044	ENSG00000102798	INTS6	18539	0.07	protein_coding	13	51926213	52012400	integrator complex subunit 6
18120	ENSG00000157368	IL34	18591	0.07	protein_coding	16	70613798	70648485	interleukin 34
18137	ENSG00000202564	LOC101930102	18608	0.07	protein_coding	X	37326569	37418888	HC01981372, isoform CCA; Uncharacterized protein
18164	ENSG00000144401	MEL11A	18632	0.07	protein_coding	20	20845355	20845352	methylenetetrahydrofolate transferase 21A
18168	ENSG00000158111	CDK19	18634	0.07	protein_coding	6	110931181	111137161	cyclin-dependent kinase 19
18234	ENSG00000183307	CFCR6	18684	0.07	protein_coding	22	17591189	17602257	cell eye syndrome chromosome region, candidate 6
18297	ENSG00000099991	CABIN1	18725	0.07	protein_coding	17	24407642	24474596	calcineurin binding protein 1
18396	ENSG00000011258	MBDT0	18800	0.07	protein_coding	17	49254786	49337524	mit domain containing 1
18483	ENSG00000187548	KMT2D	18881	0.07	protein_coding	12	48412758	48453357	lysine (K)-specific methyltransferase 20
18498	ENSG00000119231	SEPR5	18886	0.07	protein_coding	3	18989427	189891585	SLMO1/leucine-specific phosphatase 5
18514	ENSG00000158650	UROCC1	18883	0.07	protein_coding	3	12820124	12823816	urocorate hydratase 1
18543	ENSG00000170190	SLC16A5	18908	0.07	protein_coding	17	73683822	73702257	solute carrier family 16 (monocarboxylate transporter), member 5
18584	ENSG00000160568	MFBP1	18922	0.07	protein_coding	2	2421201	2421201	major facilitator superfamily domain containing 28
18613	ENSG00000202038	PKHD1L1	18957	0.07	protein_coding	8	110374700	110542559	polycystic kidney and hepatic disease 1 (autosomal recessive) like 1
18620	ENSG00000186140	SIGLEC11	18964	0.07	protein_coding	19	50452242	50464429	sialic acid binding Ig-like lectin 11
18624	ENSG00000123377	SLC6A2	18962	0.07	protein_coding	29	29912282	29912282	solute carrier family 12, member 2
18629	ENSG00000105793	TFRPBP1	18966	0.07	protein_coding	7	89964537	90020769	GTP-binding protein 10 (putative)
18637	ENSG00000188833	ENTPD8	18973	0.07	protein_coding	9	14032816	140339268	endonucleotidic triphosphatase diphosphohydrolase 8
18663	ENSG00000154031	TRAF3A	18974	0.07	protein_coding	18	38338172	38338172	zinc finger protein 37A
18701	ENSG00000124772	CNPF5	19014	0.07	protein_coding	6	36705826	36807778	opsin V
18731	ENSG00000131023	LATS1	19039	0.07	protein_coding	6	149979289	15003932	large tumor suppressor kinase 1
18731	ENSG00000164191	TRIM15	19043	0.07	protein_coding	15	30154873	30154873	tripartite motif containing 15
18775	ENSG00000137842	TMEM82	19076	0.07	protein_coding	15	43415477	43471344	transmembrane protein 82
18851	ENSG00000188626	GOLGA8M	19149	0.07	protein_coding	15	28841700	28853350	golgin A8 family, member M
18918	ENSG00000190971	CY2PA6	19188	0.07	protein_coding	4	4138116	4138116	cyclochrome P450, family 2, subfamily A, polypeptide 7
19028	ENSG00000252292	IGTSG4M	19288	0.07	protein_coding	11	11957627	112064258	Uncharacterized protein 11
19040	ENSG00000198874	TW11	19302	0.07	protein_coding	7	6840160	6874001	irRNA-IV synthesizing protein 1 homolog (S. cerevisiae)
19040	ENSG00000171241	C12orf68	19335	0.07	protein_coding	7	14345242	143454789	CTCF2 family, member 6
19154	ENSG00000199331	RBM4	19393	0.07	protein_coding	11	68384809	68341153	RNA binding motif protein 11
19241	ENSG00000237765	FAM200B	19449	0.07	protein_coding	4	15681238	15707188	family with sequence similarity 200, member B
19337	ENSG00000200548	EACCC1A	19525	0.07	protein_coding	14	10356481	10357086	exocyst complex component 2-like A
19444	ENSG00000101191	IRX4	19500	0.07	protein_coding	20	81563006	81563006	IRX4 inducer-co-receptor 1
19510	ENSG00000197134	ZNF257	19646	0.07	protein_coding	19	22214524	22274282	zinc finger protein 257
19530	ENSG00000209797	KLF8F2	19681	0.07	protein_coding	12	10044489	10044482	killer cell lectin-like receptor subfamily F, member 2
19536	ENSG00000181115	PKNOX1	19688	0.07	protein_coding	15	30844183	30844183	gonion A8 family, member Q
19603	ENSG00000178852	EFCAB13	19716	0.07	protein_coding	17	45400566	45418678	EF-hand calcium binding domain 13
19641	ENSG00000193510	KAT5	19741	0.07	protein_coding	16	31127075	31142714	Kylin/amyloidosis 8
19641	ENSG00000204968	PKNOX2	19742	0.07	protein_coding	16	55115441	55115475	Pargamin family, member 2 (prostate associated)
19641	ENSG00000198022	TPRSS11F	19718	0.07	protein_coding	4	68918916	68955580	transmembrane protein, serine 11F
19686	ENSG00000188997	KCTD21	19872	0.07	protein_coding	11	77862295	77869888	potassium channel tetramerization domain containing 21
19687	ENSG00000165340	MIR6814	19874	0.07	protein_coding	2	20006786	20119275	transmembrane and collagen-coil domain 4
19693	ENSG00000108417	KRT17	20022	0.07	protein_coding	17	36877006	36870775	keratin 17
20061	ENSG00000186387	ZNF140	20069	0.07	protein_coding	12	13368424	13368430	zinc finger protein 140
20143	ENSG00000190221	FOXP1	20149	0.07	protein_coding	12	16283300	16283300	POTE activator domain, family, member H
20163	ENSG00000143412	ANKA9	20145	0.07	protein_coding	1	150584493	15068810	annexin A9
20211	ENSG00000088734	GCKR	20192	0.07	protein_coding	2	27719709	27746524	glucokinase (hexokinase 4) regulator
20218	ENSG00000101087	ANKK1	20197	0.07	protein_coding	12	13002188	13002418	D-aminooxalate oxidase
20282	ENSG00000155256	ZFVVEZ7	20277	0.07	protein_coding	10	99468878	99520084	zinc finger, FYVE domain containing 27
20286	ENSG00000154448	TPRSS15	20260	0.07	protein_coding	21	19841433	19858197	transmembrane protein, serine 15
20293	ENSG00000165723	VPRX1	20257	0.07	protein_coding	27	22952127	22952127	zinc B lymphocyte 1
20322	ENSG00000151138	BTBD11	20238	0.07	protein_coding	12	107712180	108053419	BTB/POZ domain containing 119
20415	ENSG00000183401	CCDC159	20280	0.07	protein_coding	19	11445360	11445620	coiled-coil domain containing 159
20446	ENSG00000192521	MUC11	20128	0.07	protein_coding	3	5286123	5286123	mucoadhesin, embryonic nuclear protein 1
20487	ENSG00000202197	C5orf36	20416	0.07	protein_coding	3	133648952	133648956	chromosome 5 open reading frame 36
20496	ENSG00000170382	LPRN2	20424	0.07	protein_coding	1	204586298	204584861	leucine rich repeat neuronal 2
20508	ENSG00000160298	C12orf68	20426	0.07	protein_coding	15	14128146	14128146	chromosome 15 open reading frame 15
20567	ENSG00000105795	ZNF85	20479	0.07	protein_coding	19	21106028	21135503	zinc finger protein 85
20573	ENSG00000188992	GPRR8B	20480	0.07	protein_coding	1	14740596	14748573	zinc finger-coupled receptor 80B
20584	ENSG00000160538	ANKK2	20483	0.07	protein_coding	1	38133805	38133805	olfactory receptor family 5, subfamily K, member 3
20619	ENSG00000118525	TRIM2	20512	0.07	protein_coding	1	33671003	33647680	triple helix motif containing 2
20676	ENSG00000202769	ANKX	20553	0.07	protein_coding	12	13374888	13381281	anomalous homeobox
20759	ENSG00000184548	NOX3	20603	0.07	protein_coding	2	24885819	24885819	noncatalytic myosin associated protein
20781	ENSG00000120262	CCDC10	20634	0.07	protein_coding	6	15181545	15194238	coiled-coil domain containing 170
20841	ENSG00000131558	EJCOC4	20668	0.07	protein_coding	7	13293789	13375142	exocyst complex component 4
20844	ENSG00000195694	CDT1F	20667	0.07	protein_coding	3	3208128	3208128	POTE activator domain family, member F
20862	ENSG00000185015	CA13	20662	0.07	protein_coding	8	86132816	86196302	carbonic anhydrase XII
21044	ENSG00000233816	IFNA13	20622	0.07	protein_coding	8	21367371	21368075	interferon, alpha 13
21081	ENSG00000048009	SLC22A16	20637	0.07	protein_coding	6	11074589	11070784	solute carrier family 22 (organic cation/anion transporter), member 16
21087	ENSG00000195369	SLC16A7	20641	0.07	protein_coding	6	14391391	14409424	SLC16A7/ROBO-RT-PCR GTPase activating protein 2B
21089	ENSG00000176945	MUC20	20844	0.07	protein_coding	3	18544753	18546794	mucin 20, cell surface associated
21088	ENSG00000186433	GLB4	20656	0.07	protein_coding	1	35223342	35229235	gap junction protein, beta 4, 30.3kDa
21101	ENSG00000202022	TPRSS10	20652	0.07	protein_coding	2	23833093	23833093	transmembrane and collagen-coil domain 2
21104	ENSG00000202697	ZNF869	20669	0.07	protein_coding	7	1733446	1733961	LOC401296 protein, Uncharacterized protein
21127	ENSG00000089200	RPRBP1	20687	0.07	protein_coding	14	2176086	21819460	retinoid X receptor G-protein regulator interacting protein 1
21261	ENSG00000189558	RK24L	21030	0.07	protein_coding	16	13000150	13000150	olfactory receptor family 2, subfamily A, member 4
21356	ENSG00000144819	PAD15	21074	0.07	protein_coding	1	17575593	17670728	peptidyl arylamine deaminase, type III
21377	ENSG00000189206	MSUD2	21063	0.07	protein_coding	4	875818	882220	major facilitator superfamily domain containing 7
21446	ENSG00000165723	SLAMPB	21033	0.07	protein_coding	2	15981282	15984124	

23297	ENSG00000170599	DDCD1	22554.2	0.07	protein_coding	11	30851916	31391357	doublecortin domain containing 1
23298	ENSG00000105218	ITDRI	22554.7	0.07	protein_coding	22	23452493	23454178	inhibitor of tumor necrosis factor receptor 1
23385	ENSG00000189558	OR2G6	22562.7	0.07	protein_coding	1	248684919	248685994	olfactory receptor, family 2, subfamily G, member 6
23487	ENSG00000204899	KIFL4	22706.6	0.07	protein_coding	19	46543006	46603736	KIF-like family member 4
23488	ENSG00000184729	NPWW1	22725.5	0.07	protein_coding	8	53850991	53853007	neuropigins BDNF receptor 1
23500	ENSG00000166446	C17orf2	22725.9	0.07	protein_coding	16	80631826	80631826	chromosomal protein, Y-like 2
23510	ENSG00000167837	ZNF283	22734.9	0.07	protein_coding	19	44331444	44333307	zinc finger protein 283
23511	ENSG00000171495	MROCH28	22735.5	0.07	protein_coding	5	40968116	41021444	maestro heat-like repeat family member 28
23544	ENSG00000209865	PCCHAB	22736.3	0.07	protein_coding	1	14029169	14029169	proteobactera alpha 8
23577	ENSG00000196418	ZNF124	22736.7	0.07	protein_coding	1	24728527	24733518	zinc finger protein 124
23596	ENSG00000198246	CACNA1E	22737.5	0.07	protein_coding	1	18136228	18177219	calcium channel, voltage-dependent, R type, alpha 1E subunit
23598	ENSG00000154266	CTHKL1	22738.3	0.07	protein_coding	17	7283953	7283953	chromosome kinase, non-receptor 1
23598	ENSG00000101751	POLI	22737.2	0.07	protein_coding	18	51795774	51847638	polymerase (DNA directed) iota
23602	ENSG00000154605	LMBL1L	22801.6	0.07	protein_coding	18	5954105	6415238	L3mb1-like 4 (Drosophila)
23603	ENSG00000173266	ABSC4	22803.9	0.07	protein_coding	11	11901922	11903390	ATP-binding cassette, sub-family G (WHITE), member 4
23649	ENSG00000205750	P2RX3	22847	0.07	protein_coding	7	3566357	3599488	P2RX5-TAXTBP1 readthrough (NMD candidate)
23665	ENSG00000153495	TEC2D	22860.6	0.07	protein_coding	13	11199631	11199636	letm3 expressed 29
23678	ENSG00000173401	GLP1R1L1	22974.9	0.07	protein_coding	12	75228419	75743440	GLI pathogenesis-related 1 like 1
23724	ENSG00000186367	KIAA1024L	22969.3	0.07	protein_coding	5	12908372	12910245	KIAA1024-like
23730	ENSG00000130307	USHBP1	22911.5	0.07	protein_coding	17	17399865	17399935	Usher syndrome 1C binding protein 1
23766	ENSG00000130268	PKCKE11	22966.4	0.07	protein_coding	1	15699452	121915162	Rho guanine nucleotide exchange factor (GEF) 11
23799	ENSG00000162971	TWWS	22962.7	0.07	protein_coding	2	200784688	200804200	rRNA-VII synthesizing protein 5
23845	ENSG00000168876	KCTD19	23013.3	0.07	protein_coding	16	6732331	67309066	potassium channel tetramerization domain containing 19
23870	ENSG00000200430	RUP12	23035.5	0.07	protein_coding	10	70100964	70107051	RUN and FUS2 domain containing 2
23883	ENSG00000187122	SLIT1	23042.9	0.07	protein_coding	10	9875795	98845677	slit homophilic 1 (Drosophila)
23922	ENSG00000148910	CHP1Y	23092.5	0.07	protein_coding	7	15258891	15529557	canopy FGF signaling regulator 1
23924	ENSG00000104827	MTCF1	23094.6	0.07	protein_coding	X	54628969	54637612	mature T cell proliferation 1
23925	ENSG00000185019	UBOX5	23086	0.07	protein_coding	20	3088219	3140842	U-box domain containing 5
23929	ENSG00000206474	TMEM133	23088.4	0.07	protein_coding	14	32414059	32419888	Unc119-associated protein
23943	ENSG00000103687	GALR2	23139.2	0.07	protein_coding	7	7402185	7402185	gamma amino acid receptor 2
23994	ENSG00000148350	TBC1D32	23139.5	0.07	protein_coding	6	121400840	121658991	TBC1 domain family, member 32
24007	ENSG00000152433	ZNF547	23150.4	0.07	protein_coding	19	57814845	57809033	zinc finger protein 547
24027	ENSG00000102168	ZNF527	23150.7	0.07	protein_coding	19	37861983	37861983	zinc finger protein 527
24041	ENSG00000205581	CDCDC168	23174.2	0.07	protein_coding	8	144788664	144790279	coiled-coil domain containing 168
24052	ENSG00000123407	HOKX12	23179.9	0.07	protein_coding	12	54348618	54352740	homeobox C12
24058	ENSG00000102683	ZNF505	23179.9	0.07	protein_coding	19	4658249	4658249	coiled-coil domain containing 61
24103	ENSG00000198458	ZNF605	23228.8	0.07	protein_coding	12	133489019	133523992	zinc finger protein 605
24118	ENSG000002015475	SHAH3	23243.7	0.07	protein_coding	13	46354405	46425471	shah E3 ubiquitin protein ligase family member 3
24137	ENSG00000189783	MALM3	23260.3	0.07	protein_coding	14	14068138	14068138	malformin like 3 (Drosophila)
24139	ENSG00000184492	FONDAL1	23260.3	0.07	protein_coding	2	114259661	114259728	fordhook box D4-like 1
24144	ENSG00000123901	GPR83	23262.9	0.07	protein_coding	11	94110477	94134585	G-protein-coupled receptor 83
24248	ENSG00000102658	TRAF3	23262.9	0.07	protein_coding	12	1973222	19821000	TRAF domain containing 3
24256	ENSG00000182218	HHP1L1	23266.4	0.07	protein_coding	14	10011447	100140906	guanine nucleotide binding protein, beta polypeptide 1-like
24269	ENSG00000118997	DNAH7	23275.6	0.07	protein_coding	2	18660247	18663336	dyx1c, ancestral, heavy chain 7
24289	ENSG00000176024	ZNF913	23284.4	0.07	protein_coding	19	59414070	59425012	zinc finger protein 913
24310	ENSG00000205375	MTCF2	23284.4	0.07	protein_coding	X	72315675	72315675	maturation onset protein
24338	ENSG00000197889	MEIG1	23426.3	0.07	protein_coding	10	150011438	15000409	meiosis/spemmiogenesis associated 1
24340	ENSG00000185696	SIN3A	23426.3	0.07	protein_coding	22	32690539	32694358	Sin3 family protein 58A
24362	ENSG00000096961	P2RX6	23427.4	0.07	protein_coding	2	213844997	213841158	purinergic receptor P2X6, ligand-gated ion channel, 6
24393	ENSG00000174527	MYO1H	23482.3	0.07	protein_coding	12	109785708	109803328	myosin IIH
24398	ENSG00000196967	ZNF583A	23482.5	0.07	protein_coding	19	37591636	37603943	zinc finger protein 583A
24413	ENSG00000202362	CT16	23482.5	0.07	protein_coding	12	71462562	71467153	gamma-tubulin complex subunit 62
24427	ENSG00000182256	GABRG3	23505.5	0.07	protein_coding	15	27214299	27278123	gamma-aminobutyric acid (GABA) A receptor, gamma 3
24434	ENSG00000108474	PIGL	23511.5	0.07	protein_coding	17	16120295	16252115	phosphatidylinositol glycan anchor biosynthesis, class L
24444	ENSG00000200495	FRCK7	23517.7	0.07	protein_coding	17	37092659	37126657	F-Box protein 7
24478	ENSG00000157429	ZNF19	23541	0.07	protein_coding	16	37194853	37188992	zinc finger protein 19
24484	ENSG00000148484	ARRHGFP3	23548.2	0.07	protein_coding	2	9117021	95022650	Rho guanine nucleotide exchange factor (GEF) 33
24496	ENSG00000102086	C16orf11	23568.1	0.07	protein_coding	10	67861260	67861260	chromosome 16 open reading frame 51
24516	ENSG00000130711	PRDM12	23571.6	0.07	protein_coding	9	13353981	13355848	PR domain containing 12
24519	ENSG00000202124	SVZC	23574.3	0.07	protein_coding	2	20066267	200715986	laminin/delta-type cytodominant N-terminal like
24520	ENSG00000102018	MESP2	23576.5	0.07	protein_coding	2	75319697	75320000	genetic locus protein 2c
24569	ENSG00000148049	KAAG1	23610.4	0.07	protein_coding	6	24357131	24358112	kidney associated antigen 1
24595	ENSG00000152467	ZSCAN1	23630.6	0.07	protein_coding	19	5854500	58565999	zinc finger and SCAN domain containing 1
24621	ENSG00000105490	OR8A11	23630.6	0.07	protein_coding	19	15200163	15200163	olfactory receptor
24632	ENSG00000203666	EFCAB2	23670	0.07	protein_coding	1	245133007	24520466	EF-hand calcium binding domain 2
24640	ENSG000002097106	C16orf62	23672.7	0.07	protein_coding	19	9731967	9736572	chromosome 16 open reading frame 62
24714	ENSG00000143463	AMZ1	23676.9	0.07	protein_coding	19	2711766	2811414	arabidopsis 15 (Arabidopsis 1)
24777	ENSG00000206559	ZCWPW2	23684.7	0.07	protein_coding	3	2839037	2851931	zinc finger, CW1 type with PWFP domain 2
24788	ENSG00000144407	PTHR	23911.9	0.07	protein_coding	2	20922438	20921927	parathyroid hormone 2 receptor
24808	ENSG00000102148	PCDH19	23911.9	0.07	protein_coding	20	6122266	6122266	HC2019282: Unclassified protein
24840	ENSG00000203465	PHN1Y	23964.5	0.07	protein_coding	19	14080592	14088116	phosphatase A2 inhibitor and Y6PLAUR domain containing
24878	ENSG00000120322	PCHDB8	23985.1	0.07	protein_coding	5	400557371	400600881	proboscoid beta 8
24925	ENSG00000102695	MESP2	23985.1	0.07	protein_coding	2	75319697	75320000	meiodominant protein 2c (mouse)
24967	ENSG00000130518	KIAA1083	23984	0.07	protein_coding	19	18397906	18398319	KIAAT6B3
25071	ENSG00000198337	ZNF565	23987.7	0.07	protein_coding	19	38673188	38731159	zinc finger protein 565
25084	ENSG00000102578	OR8A11	23988.1	0.07	protein_coding	19	6840037	6840037	oral cilia neurosensory 1
25137	ENSG00000174520	TMEM81	24091.1	0.07	protein_coding	1	20505228	20505228	transmembrane protein 81
25171	ENSG00000132877	RHBG	24130.6	0.07	protein_coding	1	18333003	18333003	Rh family, glycoprotein (gempleptidogen)
25174	ENSG00000105917	SETD4	24130.6	0.07	protein_coding	21	2744385	2744387	SET domain containing 4
25205	ENSG00000189367	KIAA0408	24137.9	0.07	protein_coding	6	12781488	12778536	KIAA0408
25211	ENSG000001077182	CLVS1	24161.4	0.07	protein_coding	8	61969717	62414204	clavata 1
25243	ENSG00000105650	PCOLCE	24170.1	0.07	protein_coding	18	1811719	18102829	phospholipase Cc, cAMP specific
25272	ENSG00000171435	KSR2	24209.1	0.07	protein_coding	12	11789017	118400788	kinase suppressor of ras 2
25289	ENSG00000063761	ADCK1	24222	0.07	protein_coding	14	7826426	78401355	asf domain containing kinase 1
25318	ENSG00000184305	CCSER1	24244	0.07	protein_coding	4	6104307	6252304	coiled-coil serine-rich protein 1
25334	ENSG00000131764	MMP2K5	24246.6	0.07	protein_coding	6	17590165	17590165	mibogen-activated protein kinase kinase 5
25475	ENSG00000183208	GDPGF1	24383.3	0.07	protein_coding	15	9077040	90785315	GDP-G-protein phosphohylase 1
25541	ENSG00000200452	ZNF704	24429	0.07	protein_coding	19	12511996	12644668	zinc finger protein 704
25551	ENSG00000198125	FAM188B	24430.3	0.07	protein_coding	3	30811033	30811033	family with sequence similarity 188, member B
25571	ENSG00000178187	ZNF454	24444	0.07	protein_coding	5	17838819	17839344	zinc finger protein 454
25739	ENSG00000406499	ZNF286B	24458.6	0.07	protein_coding	17	18681142	18685575	zinc finger protein 286B
25774	ENSG00000102696	ZNF84B	24458.6	0.07	protein_coding	17	17612481	17709551	zinc finger protein 84B
25840	ENSG00000162994	CHUC1	24479.1	0.07	protein_coding	2	55401927	55459899	claftrin heavy chain linker domain containing 1
25940	ENSG00000187860	CCDC157	24750.5	0.07	protein_coding	22	30752624	30774847	coiled-coil domain containing 157
26008	ENSG00000206456	C16orf65	24810.9						

24233	ENSG00000183935	HTR7P1	23347.9	0.07	transcribed_unprocessed_pseudo	12	13152812	13155768	5-hydroxytryptamine (serotonin) receptor 7 pseudogene 1
12604	ENSG00000298714	MYO15B	14437.2	0.07	transcribed_unprocessed_pseudo	17	73564139	73622929	myosin XVb pseudogene
17556	ENSG00000146556	WASHBP	18174.6	0.07	transcribed_unprocessed_pseudo	2	114341664	114356655	WAS protein family homolog 2 pseudogene
20588	ENSG00000145198	CY4K2P	20492.2	0.07	transcribed_unprocessed_pseudo	1	47308767	47366109	cytochrome P450, family 4, subfamily 2, polypeptide 2, pseudogene
21057	ENSG00000243406	MRRSP3IP5	20833.5	0.07	transcribed_unprocessed_pseudo	13	52741844	52788600	mitochondrial ribosomal protein S31 pseudogene 5
21239	ENSG00000134612		20983.8	0.07	transcribed_unprocessed_pseudo	11	89371883	89431886	folate hydrolase 1B
22204	ENSG00000230966	CEACAM2P	21732	0.07	transcribed_unprocessed_pseudo	19	45041045	45124119	carcinoembryonic antigen-related cell adhesion molecule 2, pseudogene
22761	ENSG00000250878	METTL21EP	22151	0.07	transcribed_unprocessed_pseudo	13	103532449	103548383	methyltransferase like 21E, pseudogene
23111	ENSG00000250959		22435.5	0.07	transcribed_unprocessed_pseudo	10	75490320	75497009	glutamate dehydrogenase 1, pseudogene 3
23633	ENSG00000250420	AACSP1	22828.3	0.07	transcribed_unprocessed_pseudo	5	17819182	17824536	acetylacetyl-CoA synthetase pseudogene 1
23737	ENSG00000188886		22916	0.07	transcribed_unprocessed_pseudo	5	1568637	1594735	succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 3
23804	ENSG00000257542		22985.2	0.07	transcribed_unprocessed_pseudo	12	52473480	52502045	olfactory receptor, family 7, subfamily E, member 47 pseudogene
23940	ENSG00000235370		23063.8	0.07	transcribed_unprocessed_pseudo	15	84953014	8496399	DNM1 pseudogene 51
24364	ENSG00000171084	FAM83UP	23461.4	0.07	transcribed_unprocessed_pseudo	3	125635463	125648867	family with sequence similarity 86, member j, pseudogene
24422	ENSG00000196115	ADAM5	22677.4	0.07	unitary_pseudogene	8	39172110	39274887	ADAM metalloproteinase domain 5, pseudogene
24558	ENSG00000230269	AFCKL1P	21272.5	0.07	unitary_pseudogene	16	90039994	90039999	AFCK3-like AAA A1/Thaps 1, pseudogene
17356	ENSG00000236259	DEFABP	18031.9	0.07	unitary_pseudogene	8	6808248	6809121	defensin, alpha 8 pseudogene
19384	ENSG00000250425		19556.9	0.07	unprocessed_pseudogene	4	9756522	9757402	olfactory receptor, family 7, subfamily E, member 35 pseudogene
19571	ENSG00000237688		19657.3	0.07	unprocessed_pseudogene	6	33098993	33111102	major histocompatibility complex, class II, DR alpha 3 (pseudogene)
19639	ENSG00000240261		19905.4	0.07	unprocessed_pseudogene	7	143873833	143874235	olfactory receptor, family 7, subfamily AD, member 1 pseudogene
20010	ENSG00000231915		20035	0.07	unprocessed_pseudogene	3	23031314	23033073	sea-lake transcription factor 4 pseudogene 5
20759	ENSG00000230269		20759.3	0.07	unprocessed_pseudogene	2	23533881	23536427	tear shock 100.0 protein 1 pseudogene 3
21179	ENSG00000250412		20937.8	0.07	unprocessed_pseudogene	4	12025484	12029938	kelch-like family member 2 pseudogene 1
21572	ENSG00000214727		21249.9	0.07	unprocessed_pseudogene	22	50151275	50152628	ribosomal protein L5 pseudogene 35
22358	ENSG00000250581		21347.8	0.07	unprocessed_pseudogene	8	36136478	36137001	MTF20 pseudogene 1B
22572	ENSG00000237238		22003.2	0.07	unprocessed_pseudogene	9	67327775	67334983	BMS1 pseudogene 10
22845	ENSG00000237836		22223.2	0.07	unprocessed_pseudogene	13	19864733	19918965	ankyrin repeat domain 28 pseudogene 3
24548	ENSG00000206545		22988.7	0.07	unprocessed_pseudogene	19	2257688	22587993	vomeronasal 1 receptor 85 pseudogene
23878	ENSG00000250586		23038.4	0.07	unprocessed_pseudogene	4	69375159	69383365	UDP-glucuronosyltransferase 2 family, polypeptide B29 pseudogene
24885	ENSG00000238629		23590	0.07	unprocessed_pseudogene	1	211590367	211591276	sorting nexin 25 pseudogene 1
4624	ENSG0000014486		7412.8	0.07					
6108	ENSG00000229842		8590	0.07					
6794	ENSG00000258539		8567.5	0.07					
6902	ENSG00000104040		9671.2	0.07					
7000	ENSG00000288408		9789.3	0.07					
7147	ENSG00000229939		9898.1	0.07					
7149	ENSG00000224114		9899.2	0.07					
7261	ENSG00000286706		10038.2	0.07					
8117	ENSG00000286714		10809.4	0.07					
8918	ENSG00000225912		11481.7	0.07					
9319	ENSG00000242861		11905.1	0.07					
9775	ENSG00000254429		12174.1	0.07					
10028	ENSG00000289949		12370.7	0.07		1	248902716	248903150	LY6PLAUR domain containing 8
10484	ENSG00000289298		12723.5	0.07					
10588	ENSG00000237749		12806.7	0.07					
10738	ENSG00000248095		12929.3	0.07					
10968	ENSG00000289498		13127	0.07					
11364	ENSG00000283065		13455.6	0.07					
12292	ENSG00000253475		14192.8	0.07					
12760	ENSG00000253388		14552	0.07					
12938	ENSG00000230551		14674.1	0.07					
12961	ENSG00000259530		14689.1	0.07					
13861	ENSG00000243487		15362	0.07					
14139	ENSG00000271895		15568.9	0.07					
14440	ENSG00000258048		15807.6	0.07					
14553	ENSG00000251118		15898.7	0.07					
15159	ENSG00000287152		16377.9	0.07					
15295	ENSG00000227117		16471.1	0.07					
15608	ENSG00000235267		16711.4	0.07					
15737	ENSG00000258511		16807.9	0.07					
16008	ENSG00000289887		16870.2	0.07					
15960	ENSG00000287558		16883.5	0.07					
16170	ENSG00000287744		17154.8	0.07					
16210	ENSG00000244667		17184.5	0.07					
16315	ENSG00000258239		17354.5	0.07					
16576	ENSG00000236537		17452.9	0.07					
16693	ENSG00000270679		17555.4	0.07					
16855	ENSG00000250985		17776.9	0.07		12	11315699	11315763	RNAi US small nuclear 67b, pseudogene
16959	ENSG00000287596	CCL15	17746.3	0.07		17	34323476	34329084	chemokine (C-C motif) ligand 15
17018	ENSG00000256885		17793.2	0.07					
17165	ENSG00000284918		17893.5	0.07					
17209	ENSG00000250271		17925.3	0.07					
17210	ENSG00000287319		17926	0.07					
17338	ENSG00000283443		18015.3	0.07					
17513	ENSG00000244888		18142.1	0.07		3	172034218	172039613	Uncharacterized protein
17562	ENSG00000286887		18187.4	0.07					
17607	ENSG00000185495		18206.1	0.07					
17681	ENSG00000289398		18297.3	0.07					
17849	ENSG00000271971		18385.2	0.07					
17946	ENSG00000272285		18453.6	0.07					
17979	ENSG00000221487		18478.5	0.07					
18038	ENSG00000251002		18527.3	0.07					
18060	ENSG00000271381		18547	0.07					
18070	ENSG00000231513		18551.7	0.07					
18243	ENSG00000271102		18688.2	0.07					
18277	ENSG00000254140		18712.4	0.07					
18296	ENSG00000230368		18725.2	0.07					
18381	ENSG00000272510		18787.7	0.07					
18458	ENSG00000243818		18844.7	0.07					
18481	ENSG00000238193		18927.9	0.07					
18673	ENSG00000231205		18988.3	0.07					
18680	ENSG00000235852		19003.7	0.07					
18728	ENSG00000272927		19036.3	0.07					
18862	ENSG00000285506		19161.8	0.07					
18997	ENSG00000289047		19287.3	0.07					
19172	ENSG00000251000		19395.7	0.07					
19274	ENSG00000288825		19471.7	0.07					
19355	ENSG00000273009	IKBK	19532.7	0.07		X	153789414	153796782	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
19385	ENSG00000213628		19536	0.07		2	240083493	240084053	Uncharacterized protein
19547	ENSG00000250155		19573.5	0.07					
19555	ENSG00000281529		19678.5	0.07					
19597	ENSG00000231621		19679.3	0.07					
19674	ENSG00000239290		19690.5	0.07					
19625	ENSG00000233550		19734	0.07					
19699	ENSG00000230378		19788.3	0.07					
19889	ENSG00000225126		19842	0.07					
19925	ENSG00000228822		19974.6	0.07					
19958	ENSG00000289729		19993.3	0.07					
20015	ENSG00000285643		20038.3	0.07					
20049	ENSG00000214284		20062.7	0.07					
20076	ENSG00000286596		20080	0.07					
20082	ENSG00000233975		20084.6	0.07					
20095	ENSG00000271147		20097.2	0.07					
20135	ENSG00000246758		20124.6	0.07					
20142	ENSG00000250938		20129.9	0.07					
20181	ENSG00000287268		20167.6	0.07					
20195	ENSG00000232777		20180	0.07					
20249	ENSG00000281783		20226	0.07					
20303	ENSG00000273415		20269	0.07					
20309	ENSG00000289059		20						

20646	ENSG00000250358	20533.5	0.07					
20708	ENSG00000251528	20575.5	0.07					
20736	ENSG00000243305	20598.1	0.07					
20768	ENSG00000214397	20623.2	0.07					
20868	ENSG00000275288	20695.1	0.07					
20909	ENSG00000205716	20735.1	0.07					
20926	ENSG00000241411	20744.4	0.07					
20981	ENSG00000241699	20747.1	0.07					
20981	ENSG00000249493	20768.8	0.07					
20979	ENSG00000255440	20778	0.07					
21007	ENSG00000245244	20799.2	0.07					
21038	ENSG00000202153	20819	0.07					
21053	ENSG00000249558	20827	0.07					
21073	ENSG00000280563	20846.9	0.07					
21091	ENSG00000198193	20860.5	0.07					
21093	ENSG00000213579	20862	0.07					
21097	ENSG00000235224	20863.2	0.07					
21150	ENSG00000202927	20908.9	0.07					
21159	ENSG00000272967	20915.3	0.07					
21189	ENSG00000255583	20944.5	0.07					
21199	ENSG00000202928	20950	0.07					
21234	ENSG00000213128	20980.5	0.07	14	104710541	104712473	chromosome 14 open reading frame 144	
21265	ENSG00000211698	21007.4	0.07					
21284	ENSG00000213302	21023.3	0.07					
21303	ENSG00000224616	21036.3	0.07					
21315	ENSG00000229484	21045.3	0.07					
21318	ENSG00000211538	21047.3	0.07					
21320	ENSG00000253154	21048.3	0.07					
21323	ENSG00000234962	21052.4	0.07					
21332	ENSG00000202921	21057.3	0.07					
21335	ENSG00000258457	21059.1	0.07					
21357	ENSG00000271835	21074.7	0.07					
21375	ENSG00000212555	21092.4	0.07					
21379	ENSG00000258929	21096.1	0.07					
21386	ENSG00000233912	21101.9	0.07					
21388	ENSG00000202927	21103.9	0.07					
21400	ENSG00000207393	21115.3	0.07					
21416	ENSG00000245688	21129.7	0.07					
21428	ENSG00000202929	21135.3	0.07					
21431	ENSG00000248598	21138.7	0.07					
21441	ENSG00000229718	21150.3	0.07					
21468	ENSG00000229689	21170.3	0.07					
21507	ENSG00000215142	21212.2	0.07					
21569	ENSG00000288388	21246.1	0.07					
21575	ENSG00000229613	21259	0.07					
21584	ENSG00000249699	21257.7	0.07					
21601	ENSG00000253901	21287.9	0.07					
21603	ENSG00000249699	21270.5	0.07	2	65135721	65135620	Small nuclear RNA U13	
21605	ENSG00000282194	21272.1	0.07					
21628	ENSG00000272079	21288.3	0.07					
21662	ENSG00000272895	21323.4	0.07					
21673	ENSG00000219470	21332.5	0.07					
21695	ENSG00000252234	21351.3	0.07					
21706	ENSG00000235204	21357.9	0.07					
21708	ENSG00000211214	21360	0.07					
21712	ENSG00000235497	21363.4	0.07					
21715	ENSG00000287322	21366.5	0.07					
21746	ENSG00000231759	21368.5	0.07					
21720	ENSG00000228044	21372.9	0.07					
21730	ENSG00000242147	21381.4	0.07					
21734	ENSG00000232925	21383.5	0.07					
21752	ENSG00000248811	21397.5	0.07					
21763	ENSG00000251024	21401	0.07					
21796	ENSG00000217445	21422.7	0.07					
21812	ENSG00000258388	21435.2	0.07					
21818	ENSG00000224001	21439.3	0.07					
21838	ENSG00000242038	21456	0.07					
21836	ENSG00000188363	21457.8	0.07					
21837	ENSG00000257580	21458.5	0.07					
21853	ENSG00000214564	21465.3	0.07					
21870	ENSG00000281175	21480.3	0.07					
21904	ENSG00000270168	21504	0.07					
21924	ENSG00000285322	21522.5	0.07	15	82804003	82810874	gcinA A6 family-like 17, pseudogene	
21941	ENSG00000271693	21531	0.07					
21960	ENSG00000223869	21548.7	0.07					
21971	ENSG00000231961	21553.1	0.07					
21973	ENSG00000213592	21554.9	0.07					
21982	ENSG00000235526	21561.3	0.07					
21985	ENSG00000223272	21562.8	0.07					
21998	ENSG00000241358	21571.6	0.07					
22000	ENSG00000281052	21575	0.07					
22003	ENSG00000285939	21576.3	0.07					
22005	ENSG00000239293	21582	0.07					
22008	ENSG00000226835	21583.9	0.07					
22011	ENSG00000249562	21589.9	0.07					
22017	ENSG00000244070	21597.5	0.07					
22021	ENSG00000250220	21599.7	0.07					
22024	ENSG00000258040	21603.5	0.07					
22051	ENSG00000295103	21618.3	0.07					
22060	ENSG00000236349	21625.1	0.07	19	11549997	11550096	Small nuclear RNA U13	
22073	ENSG00000246039	21636.3	0.07					
22075	ENSG00000270296	21636.6	0.07					
22089	ENSG00000256148	21650.1	0.07					
22093	ENSG00000271384	21651.1	0.07					
22108	ENSG00000217298	21661.7	0.07					
22109	ENSG00000224655	21662	0.07					
22115	ENSG00000242292	21665.3	0.07					
22117	ENSG00000271853	21666.9	0.07					
22122	ENSG00000226812	21668.5	0.07					
22124	ENSG00000215963	21669.6	0.07					
22138	ENSG00000214333	21674.5	0.07					
22162	ENSG00000287501	21700.3	0.07					
22174	ENSG00000238162	21705.1	0.07					
22175	ENSG00000231292	21706.9	0.07					
22181	ENSG00000207332	21712.4	0.07					
22184	ENSG00000289877	21714.9	0.07					
22188	ENSG00000232096	21716.4	0.07					
22190	ENSG00000229639	21721	0.07					
22206	ENSG00000239564	21735.6	0.07	15	40242907	40243009	Small nuclear RNA U13	
22232	ENSG00000281253	21752.7	0.07					
22236	ENSG00000259347	21756.5	0.07					
22243	ENSG00000295193	21762	0.07					
22248	ENSG00000253333	21764.3	0.07					
22249	ENSG00000258591	21765.6	0.07					
22250	ENSG00000237183	21766.1	0.07					
22256	ENSG00000232933	21768.8	0.07					
22258	ENSG00000225446	21769	0.07					
22272	ENSG00000232779	21776.7	0.07					
22278	ENSG00000289729	21779.8	0.07					
22279	ENSG00000257464	21781.1	0.07					
22292	ENSG00000226701	21792.5	0.07					
22300	ENSG00000231246	21796.7	0.07					
22303	ENSG00000253712	21799.6	0.07					
22304	ENSG00000257159	21801.2	0.07					
22314	ENSG00000227960	21803.1	0.07					
22318	ENSG00000231463	21812	0.07					
22326	ENSG00000234713	21816.3	0.07					
22348	ENSG00000280680	21832.6	0.07					
22354	ENSG00000252732	21836.5	0.07	11	73375560	73375642	Y RNA	
22368	ENSG00000281924	21853.8	0.07					
22376	ENSG00000255181	21858.4	0.07					
22378	ENSG00000232938	21858.5	0.07					
22380	ENSG00000258447	21858.8	0.07					
22409	ENSG00000258846	21878.9	0.07					
22424	ENSG00000232831	21898.2	0.07					
22433	ENSG00000254537	21894.4	0.07					
22447	ENSG00000249926	21895	0.07					
22453	ENSG00000234261	21911.4	0.07					
22457	ENSG00000287269	21912.3	0.07					
22466	ENSG00000274461	21917.2	0.07					
22469	ENSG00000292923	21940.2	0.07					
22486	ENSG00000253356	21943.3	0.07					
22502	ENSG00000237481	21942.2	0.07					
22523	ENSG00000272762	21956.1	0.07					
22525	ENSG00000283995	21960.4	0.07					
22529	ENSG00000256433	21962.9	0.07					
22537	ENSG00000218781	21970	0.07					
22539	ENSG00000227189	21973	0.07					
22544	ENSG00000224374	21980.5	0.07					
22550	ENSG00000202928	21984.1	0.07					
22561	ENSG00000228101	21996.3	0.07	12	48759919	48761738	CDNA FLJ28186 fs. clone ADOG4757. Uncharacterized protein	

22568	ENSG00000272363		22500	1	0.07				
22568	ENSG00000272364		22518	1	0.07				
22591	ENSG00000236003		22521	4	0.07				
22597	ENSG00000281835		22522	5	0.07				
22597	ENSG00000242676		22527	6	0.07				
22604	ENSG00000234446		22533	5	0.07	1	142697653	142729971	ankyrin repeat domain 20 family, member A12, pseudogene
22613	ENSG00000259814		22538	8	0.07				
22620	ENSG00000250313		22542	5	0.07				
22622	ENSG00000252323		22544	1	0.07				
22627	ENSG00000229502		22547	5	0.07				
22646	ENSG00000251237		22569		0.07				
22647	ENSG00000258434		22565	3	0.07				
22653	ENSG00000230478		22569	3	0.07				
22661	ENSG00000228954		22576	6	0.07				
22664	ENSG00000223433		22578	6	0.07				
22669	ENSG00000237897		22582	2	0.07				
22674	ENSG00000236478		22585	9	0.07				
22684	ENSG00000229093		22591	8	0.07				
22684	ENSG00000232129		22590	4	0.07				
22700	ENSG00000224393		22596	9	0.07				
22704	ENSG00000231928		22593	1	0.07				
22708	ENSG00000248445		22593	7	0.07				
22713	ENSG00000228944		22597	7	0.07				
22718	ENSG00000228905		22593	3	0.07	17	15141102	15141200	Small nuclear RNA U13
22723	ENSG00000236115		22597	7	0.07				
22726	ENSG00000257040		22593	1	0.07				
22728	ENSG00000230495		22594	1	0.07				
22732	ENSG00000280375		22598	9	0.07				
22736	ENSG00000231084		22598	1	0.07				
22738	ENSG00000215154		22598	6	0.07				
22741	ENSG00000211562		22593	4	0.07				
22746	ENSG00000227292		22590	1	0.07				
22767	ENSG00000222568		22596	1	0.07				
22780	ENSG00000243635		22598	8	0.07				
22783	ENSG00000237325		22583	3	0.07				
22788	ENSG00000237488		22589	8	0.07				
22788	ENSG00000250415		22591	5	0.07				
22790	ENSG00000227170		22593	1	0.07				
22792	ENSG00000231487		22593	4	0.07				
22796	ENSG00000250910		22598	8	0.07				
22798	ENSG00000228093		22599	6	0.07				
22810	ENSG00000228988		22593	1	0.07				
22812	ENSG00000243122		22598	8	0.07				
22822	ENSG00000257752		22603	1	0.07				
22838	ENSG00000275267		22618		0.07				
22850	ENSG00000230516		22624	6	0.07				
22873	ENSG00000256287		22640	1	0.07				
22876	ENSG00000261167		22646	6	0.07				
22888	ENSG00000248817		22655	5	0.07				
22893	ENSG00000242456		22658	3	0.07				
22904	ENSG00000257179		22669	4	0.07				
22910	ENSG00000230309		22677		0.07				
22912	ENSG00000230552		22678	6	0.07				
22930	ENSG00000231525		22691	4	0.07				
22934	ENSG00000230296		22692	3	0.07				
22944	ENSG00000237832		22692	5	0.07				
22964	ENSG00000272146		22692	9	0.07				
22960	ENSG00000215387		22694	4	0.07				
22972	ENSG00000241231		22698	8	0.07				
22976	ENSG00000270067		22693	1	0.07				
22986	ENSG00000229295		22694	4	0.07				
23004	ENSG00000229393		22692	2	0.07				
23028	ENSG00000264956		22719	9	0.07				
23038	ENSG00000230824		22693	7	0.07				
23045	ENSG00000248595		22697	1	0.07				
23054	ENSG00000272191		22695	3	0.07				
23065	ENSG00000225095		22693	5	0.07				
23068	ENSG00000259798		22695	6	0.07				
23070	ENSG00000273143		22697		0.07				
23075	ENSG00000275739		22692	2	0.07				
23079	ENSG00000258038		22693		0.07				
23096	ENSG00000231756		22696	8	0.07				
23118	ENSG00000245142		22698	7	0.07				
23128	ENSG00000271378		22444	3	0.07				
23128	ENSG00000235881		22445	7	0.07				
23142	ENSG00000236520		22453	1	0.07				
23145	ENSG00000257573		22456	5	0.07				
23162	ENSG00000268399		22473		0.07				
23163	ENSG00000271188		22475	3	0.07				
23168	ENSG00000228072		22482	1	0.07				
23196	ENSG00000248514		22505	7	0.07				
23203	ENSG00000231881		22508	7	0.07				
23216	ENSG00000238330		22523	1	0.07	14	74265718	74265821	Small nuclear RNA U13
23238	ENSG00000248150		22538	3	0.07				
23243	ENSG00000261939		22543	4	0.07				
23248	ENSG00000271942		22547		0.07				
23256	ENSG00000230322		22553	8	0.07				
23275	ENSG00000230660		22560	6	0.07				
23296	ENSG00000243433		22578	7	0.07				
23301	ENSG00000250511		22582	6	0.07				
23302	ENSG00000246398		22583	3	0.07				
23306	ENSG00000260981		22584	6	0.07				
23308	ENSG00000262920		22585	7	0.07				
23325	ENSG00000236457		22603	4	0.07				
23327	ENSG00000225975		22604	2	0.07				
23337	ENSG00000258770		22613	1	0.07				
23338	ENSG00000232057		22615	6	0.07				
23353	ENSG00000271257		22628	5	0.07				
23361	ENSG00000248551		22637	5	0.07				
23362	ENSG00000271795		22637	8	0.07				
23366	ENSG00000231766		22641	2	0.07				
23367	ENSG00000243886		22644	8	0.07				
23388	ENSG00000269868		22655		0.07				
23390	ENSG00000269898		22656		0.07				
23394	ENSG00000227744		22656	5	0.07				
23395	ENSG00000230483		22656	7	0.07				
23396	ENSG00000230965		22657	5	0.07				
23397	ENSG00000272986		22658	9	0.07				
23414	ENSG00000259815		22671	9	0.07				
23420	ENSG00000232975		22673	3	0.07				
23424	ENSG00000257629		22678	1	0.07				
23439	ENSG00000289243		22687	3	0.07				
23451	ENSG00000233335		22694	8	0.07				
23458	ENSG00000269879		22699	4	0.07				
23466	ENSG00000267707		22705	5	0.07				
23471	ENSG00000226973		22711	8	0.07				
23472	ENSG00000225548		22711	4	0.07				
23478	ENSG00000269878		22714	5	0.07				
23485	ENSG00000250521		22715	3	0.07				
23485	ENSG00000249199		22720	3	0.07				
23488	ENSG00000238475		22721	9	0.07				
23493	ENSG00000281879	FAM25A	22724	3	0.07	10	49198649	49207818	family with sequence similarity 25, member C
23499	ENSG00000283478		22728	6	0.07	5	154083077	154083344	RNA, 75L, cytoplasmic 439, pseudogene
23527	ENSG00000280488		22747	3	0.07				
23528	ENSG00000240248		22747	6	0.07				
23531	ENSG00000255915		22748	5	0.07				
23534	ENSG00000240907		22748	5	0.07				
23542	ENSG00000231527		22753	6	0.07				
23544	ENSG00000262467		22756	6	0.07				
23552	ENSG00000258376		22765	8	0.07				
23553	ENSG00000249195		22766	2	0.07				
23564	ENSG00000267070		22770	7	0.07				
23560	ENSG00000257918		22772	3	0.07				
23573	ENSG00000244144		22781	6	0.07				
23591	ENSG00000224254		22793	1	0.07				
23601	ENSG00000254222		22800	7	0.07				
23606	ENSG00000227657		22809	3	0.07				
23611	ENSG00000271363		22813	9	0.07				
23612	ENSG00000231612		22814	1	0.07				
23617	ENSG00000243885		22817		0.07				
23619	ENSG00000245421		22819	3	0.07	2	97766321	97766609	RNA, 75L, cytoplasmic 313, pseudogene
23630	ENSG00000268838		22827	3	0.07	15	78830023	78831288	HCG2009369, Uncharacterized protein
23634	ENSG00000269038		22831	4	0.07				
23641	ENSG00000267125		22842	7	0.07				
23651	ENSG00000237810		22850	2	0.07				
23652	ENSG00000268748		22850	5	0.07				
23655	ENSG00000240394		22852	8	0.07				
23656	ENSG00000233752		22853	4	0.07				
23664	ENSG00000256143		22860	5	0.07				
23668	ENSG00000231623		22861	2	0.07				
23668	ENSG00000270799		22863	7	0.07				

23672	ENSG00000237371		22869.9	0.07					
23674	ENSG00000236584		22871.9	0.07					
23677	ENSG00000227227		22874.5	0.07					
23683	ENSG00000287372		22877.9	0.07					
23688	ENSG00000248473		22882.9	0.07					
23698	ENSG00000237878		22890.7	0.07					
23702	ENSG00000270978		22892.4	0.07					
23722	ENSG00000236623		22907.1	0.07					
23728	ENSG00000238126		22910.1	0.07					
23740	ENSG00000252838		22918.9	0.07	16	23424905	23425197		RNA, 75k small nuclear pseudogene 23
23748	ENSG00000224997		22928.1	0.07					
23755	ENSG00000235925		22930.7	0.07					
23754	ENSG00000226933		22933.9	0.07					
23758	ENSG00000225877		22941.3	0.07					
23762	ENSG00000273038		22959.2	0.07					
23784	ENSG00000270948		22963.8	0.07					
23786	ENSG00000254033		22965.3	0.07					
23784	ENSG00000223833		22974.8	0.07					
23807	ENSG00000255504		22986.8	0.07					
23809	ENSG00000259163		22988.4	0.07					
23813	ENSG00000235532		22991.3	0.07					
23825	ENSG00000280177		22999.8	0.07					
23827	ENSG00000243193		23001.9	0.07					
23830	ENSG00000217788		23003.3	0.07					
23835	ENSG00000246316		23006.8	0.07					
23841	ENSG00000258998		23011.8	0.07					
23843	ENSG00000259566		23012.7	0.07					
23850	ENSG00000228115		23019.9	0.07					
23860	ENSG00000235621		23027.9	0.07					
23878	ENSG00000233774		23040.5	0.07					
23897	ENSG00000243155		23052.7	0.07					
23903	ENSG00000232364		23063.4	0.07					
23907	ENSG00000231688		23065.5	0.07					
23911	ENSG00000238413	9	23068.1	0.07	46141554	46141675			Y RNA
23914	ENSG00000259888		23071.8	0.07					
23938	ENSG00000233398		23093	0.07					
23941	ENSG00000228194		23094.5	0.07					
23950	ENSG00000268179		23100.6	0.07	1	861264	866445		Uncharacterized protein
23957	ENSG00000254071		23109.2	0.07					
23958	ENSG00000289817		23107.8	0.07					
23981	ENSG00000259520		23109.4	0.07					
23985	ENSG00000232988	LOC100986433	23114.8	0.07	7	302918	304070		Protein LOC100986433
23973	ENSG00000250383		23120.3	0.07					
23977	ENSG00000243822		23123.1	0.07					
24000	ENSG00000259481		23145.1	0.07					
24010	ENSG00000235943		23157.7	0.07					
24031	ENSG00000287122		23169.1	0.07					
24045	ENSG00000255442		23177.6	0.07					
24054	ENSG00000250378		23184.5	0.07					
24055	ENSG00000242747		23185.2	0.07					
24064	ENSG00000244675		23188.7	0.07					
24064	ENSG00000289268		23193.1	0.07					
24068	ENSG00000258972		23193.4	0.07					
24072	ENSG00000258320		23200.6	0.07					
24078	ENSG00000231295		23204.1	0.07					
24080	ENSG00000236304		23208	0.07					
24088	ENSG00000231562		23214.1	0.07					
24091	ENSG00000259295		23216.7	0.07					
24107	ENSG00000270001		23233.7	0.07					
24114	ENSG00000216913		23241.5	0.07					
24129	ENSG00000232628		23250.5	0.07					
24132	ENSG00000204533	19	23255.1	0.07	56862314	56863250			Uncharacterized protein
24135	ENSG00000228737		23257.3	0.07					
24142	ENSG00000250771		23261.4	0.07					
24143	ENSG00000231460		23262	0.07					
24148	ENSG00000225030		23265.5	0.07					
24166	ENSG00000213440		23272.8	0.07					
24162	ENSG00000259763		23278.7	0.07					
24172	ENSG00000296371		23289.3	0.07					
24177	ENSG00000251188		23295.9	0.07					
24179	ENSG00000272209		23297.8	0.07					
24186	ENSG00000271398		23303.2	0.07					
24194	ENSG00000235578		23311.7	0.07					
24205	ENSG00000287067		23323.7	0.07					
24236	ENSG00000270035		23349.7	0.07					
24262	ENSG00000235468		23370.1	0.07					
24263	ENSG00000259884		23370.5	0.07					
24287	ENSG00000259287		23375.1	0.07					
24288	ENSG00000289072		23375.3	0.07					
24288	ENSG00000257058		23385.3	0.07					
24292	ENSG00000282248		23391.7	0.07					
24297	ENSG00000218490		23394.1	0.07					
24303	ENSG00000289392		23395.2	0.07					
24313	ENSG00000233110		23406.9	0.07					
24314	ENSG00000290743		23407.9	0.07					
24321	ENSG00000235968		23412.7	0.07					
24326	ENSG00000270159		23418.6	0.07					
24331	ENSG00000232202		23420.9	0.07					
24347	ENSG00000289291		23443.9	0.07					
24352	ENSG00000255389		23451.9	0.07					
24350	ENSG00000260960		23452.1	0.07					
24366	ENSG00000255111		23465.9	0.07					
24371	ENSG00000255549		23467.4	0.07					
24374	ENSG00000251136		23468.6	0.07					
24383	ENSG00000284365		23474.8	0.07					
24388	ENSG00000253227		23478	0.07					
24397	ENSG00000280496		23486.6	0.07					
24402	ENSG00000250599		23490	0.07					
24403	ENSG00000288863	16	23491.5	0.07	30996508	30997533			Uncharacterized protein
24424	ENSG00000296922		23504.7	0.07					
24428	ENSG00000227113		23505.2	0.07					
24438	ENSG00000280423		23515.8	0.07					
24441	ENSG00000228997		23518.9	0.07					
24468	ENSG00000269112		23534.1	0.07					
24480	ENSG00000272884		23543.3	0.07					
24485	ENSG00000239455		23548.7	0.07					
24489	ENSG00000281457		23551.8	0.07					
24492	ENSG00000281560		23555	0.07					
24507	ENSG00000283636		23565	0.07					
24514	ENSG00000230415		23571	0.07					
24517	ENSG00000280179		23573.1	0.07					
24535	ENSG00000235790		23579.9	0.07					
24547	ENSG00000232606		23582.2	0.07					
24563	ENSG00000249637		23605.8	0.07					
24575	ENSG00000228380		23612.9	0.07					
24577	ENSG00000217133		23613.8	0.07					
24604	ENSG00000287934		23642.7	0.07					
24613	ENSG00000232729		23650.8	0.07					
24641	ENSG00000232668		23674.3	0.07					
24643	ENSG00000270939		23677.4	0.07					
24657	ENSG00000214559		23690.7	0.07					
24659	ENSG00000250241		23693	0.07					
24682	ENSG00000230910		23714.2	0.07					
24688	ENSG00000259810		23717.5	0.07					
24709	ENSG00000259590		23744.4	0.07					
24711	ENSG00000270938		23740.7	0.07					
24721	ENSG00000259192		23748.8	0.07					
24722	ENSG00000286578		23750.6	0.07					
24723	ENSG00000286265		23750.9	0.07					
24734	ENSG00000232444		23761.4	0.07					
24740	ENSG00000235243		23767.9	0.07					
24745	ENSG00000287834		23771.7	0.07					
24752	ENSG00000280855		23774.9	0.07					
24761	ENSG00000239750		23784.3	0.07					
24763	ENSG00000274562		23807.1	0.07					
24813	ENSG00000236914		23838.6	0.07					
24821	ENSG00000280443		23844.6	0.07					
24834	ENSG00000243798		23856.9	0.07					
24837	ENSG00000289896		23861.9	0.07					
24838	ENSG00000243979		23863.8	0.07					
24843	ENSG00000285352		23866.5	0.07					
24847	ENSG00000258824		23868.7	0.07					
24867	ENSG00000287868		23883.2	0.07					
24881	ENSG00000287938		23896.7	0.07					
24907	ENSG00000286164		23924.3	0.07	19	41112873	41112955		RNA, 75L cytoplasmic 75L pseudogene
24917	ENSG00000232753		23929.8	0.07					
24918	ENSG00000211611		23933.6	0.07					
24928	ENSG00000246250		23940.3	0.07					
24950	ENSG00000282434		23953.4	0.07					
24951	ENSG00000215937		23954	0.07					
24953	ENSG00000259751		23957.7	0.07					

26988	ENSG000002044307	24771.7	0.06	misc. RNA	8	146010683	146010671	RNA, 75S, cytoplasmic 39S, pseudogene	
26989	ENSG000002041659	24771.7	0.06	misc. RNA	8	151116234	151116224	RNA, 75S, cytoplasmic 76, pseudogene	
26994	ENSG00000207189	24854.5	0.06	misc. RNA	12	128335446	128335447	Y RNA	
9634	ENSG000002049948	GBA3	11978.1	0.06	polymorphic_pseudogene	4	22094537	glucosylase, beta, and 3 (alpha/pseudogene)	
7041	ENSG000002028601	8115.8	0.06	processed_pseudogene	20	5501379	5501380	ribosomal protein L39 pseudogene	
7970	ENSG000002031914	YBX3P1	8520.8	0.06	processed_pseudogene	10	31519076	Y box binding protein 3 pseudogene 1	
26997	ENSG000002028769	8609.6	0.06	processed_pseudogene	20	4004552	4004553	ferritin, light polypeptide pseudogene 3	
5291	ENSG000002028769	10949	0.06	processed_pseudogene	14	7494968	7494969	RAP24A, member of RAS oncogene family pseudogene	
9723	ENSG000002028769	11724.9	0.06	processed_pseudogene	10	3290264	3290265	C10 nuclear receptor corepressor pseudogene 1	
10136	ENSG000002028769	12451	0.06	processed_pseudogene	6	13442049	13442471	suppression of tumorigenesis 13 (colon carcinoma) [Hsp70 interacting protein] pseudogene 6	
10366	ENSG000002028769	12824.6	0.06	processed_pseudogene	18	4780315	4780316	ribosomal protein S18a pseudogene 6	
10585	ENSG000002028769	12128.6	0.06	processed_pseudogene	9	35971341	35971342	Y box binding protein 1 pseudogene 10	
11186	ENSG000002025022	13292.9	0.06	processed_pseudogene	20	5273034	5273477	ubiquitin-conjugating enzyme E2D 3 pseudogene 1	
11377	ENSG000002033340	13467.8	0.06	processed_pseudogene	12	8490307	8490312	sucrose-CoA lyase, GDP-forming, beta subunit pseudogene 2	
12323	ENSG000002034049	14222.3	0.06	processed_pseudogene	3	37317087	37318089	family with sequence similarity 204, member 8, pseudogene	
14108	ENSG000002034533	15549.4	0.06	processed_pseudogene	22	3569062	3569063	transcription elongation factor A (SII), 1 pseudogene 2	
14663	ENSG000002033072	15978.8	0.06	processed_pseudogene	1	21330043	21330427	cytochrome c oxidase subunit VIIb pseudogene 1	
17201	ENSG000002038460	17920	0.06	processed_pseudogene	1	224051428	22405253	ribosomal protein S18a pseudogene 6	
18283	ENSG000002031245	18172.2	0.06	processed_pseudogene	3	13099188	13099197	actin, beta pseudogene 11	
18472	ENSG000002031500	PANDAR	18854.5	0.06	processed_pseudogene	6	36841594	36841595	leucine aminopeptidase 3 pseudogene 2
18634	ENSG000002032004	18971.4	0.06	processed_pseudogene	10	4410291	4410199	CAP1 pseudogene 2	
18781	ENSG000002032656	19079.7	0.06	processed_pseudogene	12	4200811	4200865	heat shock 70kDa protein 8 pseudogene 5	
20069	ENSG000002028071	20699.5	0.06	processed_pseudogene	16	18026577	18027132	ribosomal protein L7 pseudogene 47	
20156	ENSG000002031758	20141.4	0.06	processed_pseudogene	5	11663800	11663738	ribosomal protein L35a pseudogene 15	
21204	ENSG000002024168	20951.3	0.06	processed_pseudogene	3	10918076	10918089	pepducin [inositol 1,4,5-trisphosphate 3-kinase] pseudogene 15	
21267	ENSG000002034702	21010	0.06	processed_pseudogene	X	91237654	91238504	voltage-dependent anion channel 1 pseudogene 3	
21348	ENSG000002019932	21067.9	0.06	processed_pseudogene	10	89634090	89634672	ribosomal protein L12 pseudogene 8	
1386	ENSG000002010425	21187.1	0.06	processed_pseudogene	8	7711827	7711834	ribosomal protein L12 pseudogene 43	
21417	ENSG000002042962	21130.7	0.06	processed_pseudogene	3	128483309	128483381	ferritin, heavy polypeptide 1 pseudogene 4	
21471	ENSG000002026000	21172.4	0.06	processed_pseudogene	19	54275760	54276534	septin 7 pseudogene 8	
14164	ENSG000002044441	21197.4	0.06	processed_pseudogene	19	8673455	8673460	serpin H8 pseudogene 1	
21507	ENSG000002028118	21197.4	0.06	processed_pseudogene	17	74221832	74222887	activating transcription factor 4 pseudogene 3	
21689	ENSG000002029201	21345.1	0.06	processed_pseudogene	12	92542176	92542463	ribosomal protein L21 pseudogene 106	
21688	ENSG000002029201	21345.1	0.06	processed_pseudogene	12	11815562	11815567	zinc finger protein 674 pseudogene 1	
21978	ENSG000002028142	21558.2	0.06	processed_pseudogene	22	49608837	49609173	ribosomal protein L35 pseudogene 8	
22253	ENSG000002019863	21767.3	0.06	processed_pseudogene	6	53214886	53214963	ribosomal protein L31 pseudogene 28	
22513	ENSG000002031118	21828.1	0.06	processed_pseudogene	18	28881588	28881648	colloid cell halo colloid cell halo domain containing 2 pseudogene 8	
22537	ENSG000002059921	21825.1	0.06	processed_pseudogene	12	21600479	21600481	transcription elongation factor B (SII), polypeptide 1 pseudogene 31	
22383	ENSG000002019300	21860.6	0.06	processed_pseudogene	6	29457048	29457433	ribosomal protein S17 pseudogene 1	
22418	ENSG000002014446	21984	0.06	processed_pseudogene	21	4540529	4540592	H2A histone family, member 2 pseudogene 1	
22616	ENSG000002014446	21984	0.06	processed_pseudogene	10	7650926	7650929	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) pseudogene 8	
22703	ENSG000002014222	22189.2	0.06	processed_pseudogene	13	11508999	11509018	tubulin, beta pseudogene 2	
22711	ENSG000002025446	22115.9	0.06	processed_pseudogene	10	39898228	39898229	ribosomal protein L7 pseudogene 37	
22781	ENSG000002042828	22148.7	0.06	processed_pseudogene	3	119017512	119017519	ribosomal protein S26 pseudogene 21	
22795	ENSG000002027379	22172	0.06	processed_pseudogene	20	25048911	25048912	peptidylprolyl isomerase A (cyclophilin A) pseudogene 2	
22804	ENSG000002027379	22172	0.06	processed_pseudogene	10	14151160	14151162	MYO1C pseudogene 2	
22834	ENSG000002026700	HNRNPAP1	22217.6	0.06	processed_pseudogene	10	44228260	44228565	heterogeneous nuclear ribonucleoprotein A3 pseudogene 1
22834	ENSG000002026700	22217.6	0.06	processed_pseudogene	10	21063356	21064320	topoisomerase 1 pseudogene 4	
22834	ENSG000002026700	22217.6	0.06	processed_pseudogene	19	33120961	33121381	ribosomal protein S12 pseudogene 31	
22999	ENSG000002042255	22256.2	0.06	processed_pseudogene	1	52642520	52642525	phosducin-like 3 pseudogene 6	
23000	ENSG000002029243	22257	0.06	processed_pseudogene	37	30734386	30734857	ribosomal protein L7a pseudogene 3	
3006	ENSG000002031713	22403.3	0.06	processed_pseudogene	14	33097112	33097115	phosphatidylinositol glycerol ether biosynthesis class 1 pseudogene 1	
23082	ENSG000002028453	22414.3	0.06	processed_pseudogene	1	117680551	117681231	ribosomal protein S18a pseudogene 19	
23105	ENSG000002028092	22453.8	0.06	processed_pseudogene	10	79155330	79155339	cytochrome c oxidase subunit IVc pseudogene 15	
23147	ENSG000002029286	22457	0.06	processed_pseudogene	10	147861760	147861761	actin, beta pseudogene 4	
23198	ENSG000002028723	22505.8	0.06	processed_pseudogene	18	48340782	48342100	heterogeneous nuclear ribonucleoprotein A3 pseudogene 16	
23249	ENSG000002042035	22547.9	0.06	processed_pseudogene	12	18608178	18608182	eukaryotic translation elongation factor 1 alpha 1 pseudogene 4	
23333	ENSG000002032921	22568.3	0.06	processed_pseudogene	13	80301628	80301629	ribosomal protein S15 pseudogene 40	
23348	ENSG000002027590	22626.9	0.06	processed_pseudogene	13	107315785	107315819	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) pseudogene 5	
23355	ENSG000002033541	22633	0.06	processed_pseudogene	11	122921869	122921908	ribosomal protein L31 pseudogene 47	
23429	ENSG0000020287301	22682.7	0.06	processed_pseudogene	18	21289789	21289821	ribosomal protein L23a pseudogene 77	
23432	ENSG000002021313	22683.3	0.06	processed_pseudogene	10	71036134	71036404	high mobility group AT-hook 1 pseudogene 5	
23516	ENSG0000020287301	22742.7	0.06	processed_pseudogene	10	79137462	79137463	ribosomal protein L21 pseudogene 116	
23551	ENSG000002026506	22764.5	0.06	processed_pseudogene	17	16294748	16295196	ferritin, light polypeptide pseudogene 12	
23570	ENSG000002028425	22779	0.06	processed_pseudogene	13	37496676	37497045	late endosomal lysosomal adaptor, MAPK and MTOR activator 3 pseudogene 1	
23778	ENSG000002031403	22802.2	0.06	processed_pseudogene	2	20023	20023	COG38, cell division domain 1 pseudogene 1	
23780	ENSG000002027666	22855.8	0.06	processed_pseudogene	9	96800312	96800322	cytochrome c, somatic pseudogene 24	
23792	ENSG000002023041	22972.9	0.06	processed_pseudogene	13	73610539	73610988	proteasome 26S subunit, non-ATPase, 10 pseudogene 3	
23844	ENSG000002031618	23033.2	0.06	processed_pseudogene	13	85117057	85117058	PRK8, domain containing 1 pseudogene 20	
23867	ENSG000002013558	23033.2	0.06	processed_pseudogene	9	110220319	110220387	high mobility group nucleosomal binding domain 2 pseudogene 32	
23869	ENSG000002024478	23033.9	0.06	processed_pseudogene	19	41675786	41676711	ribosomal protein L36 pseudogene 16	
23891	ENSG000002029258	23038.8	0.06	processed_pseudogene	10	103207682	103207683	high mobility group nucleosomal binding domain 2 pseudogene 22	
23934	ENSG000002028881	23091.7	0.06	processed_pseudogene	X	50848438	50848866	H2 histone, family 3A, pseudogene 5	
24026	ENSG000002030980	23146.7	0.06	processed_pseudogene	11	1813783	1814100	ribosomal protein L38a pseudogene 39	
24053	ENSG000002029183	23162.3	0.06	processed_pseudogene	13	5248183	5248184	CTAF5, family, members, pseudogene 3	
24063	ENSG000002035700	CYCSP2	23191.6	0.06	processed_pseudogene	1	15709154	15709153	cytochrome c, somatic pseudogene 52
24068	ENSG000002021761	23196.2	0.06	processed_pseudogene	9	98175449	98175431	metallothionein 1 pseudogene 1	
24148	ENSG000002031198	23205.1	0.06	processed_pseudogene	5	53116	53116	high mobility group nucleosomal binding domain 2 pseudogene 31	
24207	ENSG000002039919	23206.2	0.06	processed_pseudogene	7	12911774	12911794	small nuclear ribonucleoprotein polypeptide G pseudogene 3	
24283	ENSG000002017846	23283.6	0.06	processed_pseudogene	6	27831840	27832179	histone cluster 1, H2b, pseudogene 2	
24285	ENSG000002020217	23284.9	0.06	processed_pseudogene	10	76634989	76635009	heterogeneous nuclear ribonucleoprotein A1 pseudogene 12	
24302	ENSG000002033943	23295.2	0.06	processed_pseudogene	10	2195222	2195300	MYO1C pseudogene 21	
24306	ENSG000002035619	GTPNH	23298.4	0.06	processed_pseudogene	9	35507570	35507670	ribosomal protein L36a pseudogene 33
24312	ENSG000002015583	23405.1	0.06	processed_pseudogene	20	4040760	4040760	ribosomal protein L12 pseudogene 2	
24316	ENSG000002022626	23405.8	0.06	processed_pseudogene	12	10204595	10204632	ribosomal protein S26 pseudogene 32	
24338	ENSG000002033337	23427.8	0.06	processed_pseudogene	1	111980136	111980559	ubiquitin-conjugating enzyme E2F (putative) pseudogene 3	
24444	ENSG000002026695	23502.4	0.06	processed_pseudogene	2	19956203	19956333	heterogeneous nuclear ribonucleoprotein A1 pseudogene 47	
24455	ENSG000002031188	23502.4	0.06	processed_pseudogene	7	15182684	15182684	Y box binding protein 1 pseudogene 7	
24834	ENSG000002019589	23670.4	0.06	processed_pseudogene	10	53079586	53080420	Ras suppressor protein 1 pseudogene 30	
24848	ENSG000002014676	23681.4	0.06	processed_pseudogene	4	169819687	169817533	ribosomal protein L9 pseudogene 16	
4700	ENSG000002017168	23726.2	0.06	processed_pseudogene	14	141002669	141003299	ribosomal protein S2a pseudogene 82	
24789	ENSG000002013997	23811.9	0.06	processed_pseudogene	X	48502629	48502676	phosphoglycerate mutase 1 pseudogene 7	
24871	ENSG000002034805	23885	0.06	processed_pseudogene	9	44997777	44999352	family with sequence similarity 27, member E4	
24881	ENSG000002017158	23902.7	0.06	processed_pseudogene	8	2791260	2791261	50 most conserved domain 1 pseudogene 1	
24905	ENSG000002014743	23920.2	0.06	processed_pseudogene	5	126478774	126478939	mitochondrial ribosomal protein S5 pseudogene 3	
24927	ENSG000002014167	23938.3	0.06	processed_pseudogene	47	34771511	34771606	transcription elongation factor B (SII), polypeptide 2 (beta, elongin B) pseudogene 4	
24934	ENSG000002020216	23938.3	0.06	processed_pseudogene	10	16020254	16020254	ribosomal protein L13 pseudogene 4	
24957	ENSG00000204812								

8195	ENS000002024370	SBDH	10875	3	0.06	protein_coding	11	11997487	111990053	succinate dehydrogenase complex, subunit D, integral membrane protein
8275	ENS0000015378	GSDVI	11058	0.06	0.06	protein_coding	3	40501803	40501803	glutathione peroxidase 1
8371	ENS00000165949	IFIT2	11027	5	0.06	protein_coding	14	94571192	94530303	interferon, alpha-inducible protein 27
8407	ENS00000112679	DISP22	11052	2	0.06	protein_coding	6	261630	351355	dual specificity phosphatase 22
8441	ENS00000116848	CD99	11079	4	0.06	protein_coding	12	6905002	6913407	CD99 molecule
8505	ENS00000162624	TSO2L2	11349	4	0.06	protein_coding	7	10007692	10007692	TSO2 domain family, member 4
8801	ENS00000059503	PTGS1	11463	9	0.06	protein_coding	9	12512324	12517582	prostaglandin-endoperoxide synthase (cyclooxygenase)
8908	ENS00000194763	ASAH1	11522	4	0.06	protein_coding	8	1791394	17642494	N-acetylglucosaminidase (acid ceramidase) 1
9038	ENS0000014434	LRRP19	11579	7	0.06	protein_coding	7	2695314	27029681	leucine-rich repeat containing 15
9292	ENS00000136792	EMEPF	11783	2	0.06	protein_coding	4	11126889	11148641	glutaryl aminopeptidase (aminopeptidase A)
9326	ENS00000126495	CEACAM8	11812	0.06	0.06	protein_coding	19	6308435	63089207	carcinoembryonic antigen-related cell adhesion molecule 8
9332	ENS00000199321	DNRB1	11816	2	0.06	protein_coding	19	6083368	6083368	dehydrogenase (NADP-dependent) family, member 7
9415	ENS00000205609	EFC3	11873	4	0.06	protein_coding	16	2835930	28415200	eukaryotic translation initiation factor 3, subunit C-like
9519	ENS00000197705	RILP	12039	0.06	0.06	protein_coding	17	1548444	1553371	Rab interacting lysosomal protein
9576	ENS00000101164	BLDCEB	12182	0.06	0.06	protein_coding	15	4489793	4508197	biogenesis of lysosomal organelles complex 1, subunit 6, pallidin
9692	ENS000002013759	UGT2B11	12305	7	0.06	protein_coding	4	7006569	70080449	UDP glucuronosyltransferase 2 family, polypeptide B11
9676	ENS00000131228	PF11	12327	2	0.06	protein_coding	1	4053879	40533375	palmitoyl transferase 1
9696	ENS00000159195	WDR22	12343	5	0.06	protein_coding	5	2733079	27316699	WD repeat domain family, member 2
10042	ENS00000119729	RHOQ	12380	0.06	0.06	protein_coding	2	4681805	46810280	ras homology family member Q
10044	ENS00000178573	MAP	12383	0.06	0.06	protein_coding	16	79619740	79634411	v-maf avian myeloblastosis/retrovirus oncogene homolog
10241	ENS000001701706	FAM83A	12540	3	0.06	protein_coding	9	13020558	130242762	family with sequence similarity 103, member A
10289	ENS00000187298	FNBP1	12573	0.06	0.06	protein_coding	9	13264866	13265473	formin binding protein 1
10450	ENS0000011537	SEL1L	12696	3	0.06	protein_coding	14	81937893	82002025	cell-1 suppressor of lin-12-like (C. elegans)
10468	ENS00000114685	CELB	12710	7	0.06	protein_coding	19	45524688	45541452	v-mem retronucleosidase viral oncogene homolog B
10543	ENS00000178630	LACC1	12765	1	0.06	protein_coding	13	4445240	4448068	laccase (multi-copper oxidoreductase) domain containing 1
10626	ENS00000202777	KIAM125	12826	2	0.06	protein_coding	14	10638368	106391625	KIAM125
10684	ENS00000189933	IBSE2L1	12881	5	0.06	protein_coding	8	9003944	90039567	ubiquitin-conjugating enzyme E2, J1
10754	ENS00000144534	CSD2	12849	6	0.06	protein_coding	4	10378135	10381039	CDGSH iron sulfur domain 2
10786	ENS00000090660	PAPOLA	12950	5	0.06	protein_coding	14	8966770	97033448	poly(A) polymerase alpha
10864	ENS00000105468	SLMO1	13018	4	0.06	protein_coding	4	1762385	1762385	leucine aminopeptidase 5
10875	ENS00000137776	SLTM	13045	5	0.06	protein_coding	15	5917124	59258252	SAFE-like transcription modulator
10994	ENS00000186457	FGLR2	13148	1	0.06	protein_coding	11	9127845	7192394	folate receptor 2 (beta)
11128	ENS00000156882	RLK1F2	13282	3	0.06	protein_coding	8	6814818	6814818	plant lectin homology domain containing family F with FYVE domain member 2
11183	ENS00000182919	C11orf54	13290	1	0.06	protein_coding	11	9347475	93497915	chromosome 11 open reading frame 54
11213	ENS00000204685	FPGT	13312	5	0.06	protein_coding	1	1466396	7469970	luciferase 1-phosphatase guanylyltransferase
11282	ENS00000185529	CELE3	13310	3	0.06	protein_coding	7	1469177	14718111	eukaryotic translation elongation factor 1 beta nucleotide exchange protein
11382	ENS00000117614	SVF2	13470	5	0.06	protein_coding	1	2554970	25558993	SVF2 pre-mRNA splicing factor
11438	ENS00000005979	YBPF1	13520	0.06	0.06	protein_coding	1	5431792	54356407	Yip1 domain family, member 1
11469	ENS00000184580	WDR1	13560	1	0.06	protein_coding	10	10458201	10458201	WW domain binding protein 1-like
11503	ENS0000013561	RNF14	13579	8	0.06	protein_coding	5	14133769	141369856	ringer protein 14
11511	ENS00000174834	BTFP	13582	0.06	0.06	protein_coding	17	86821840	86804804	transdominant PHD finger transcription factor
11515	ENS00000186589	WDR18	13588	1	0.06	protein_coding	16	1544810	1544810	casein 7, acute-phase related cytosolic phospholipase
11679	ENS00000110991	CAMKK2	13725	0.06	0.06	protein_coding	12	12167587	12179311	calcium/calmodulin-dependent protein kinase kinase 2, beta
11726	ENS00000153823	PDI1	13748	0.06	0.06	protein_coding	2	229715242	230136001	phosphoglucosyltransferase domain containing 1
11862	ENS00000186179	MRFAPC	13862	0.06	0.06	protein_coding	4	8437086	8437086	microtubule-associated protein S16C
11877	ENS00000109785	TSFANS	13919	6	0.06	protein_coding	6	86931516	86931516	tetraspanin 5
11890	ENS00000158006	PAFAH2	13968	0.06	0.06	protein_coding	1	26246258	26244648	platelet-activating factor acetylhydrolase 2, 40kDa
11990	ENS00000186523	CARF8	13978	0.06	0.06	protein_coding	8	65859507	65905365	chromosome 9 open reading frame 89
12225	ENS00000111756	RNF40	14139	6	0.06	protein_coding	17	3845444	38513394	retrotransposon, beta
12235	ENS00000084903	REB1	14178	7	0.06	protein_coding	4	67724405	67820210	RE1-interacting transcription factor
12264	ENS00000124575	HST1FH1	14440	2	0.06	protein_coding	6	36244476	36250318	histone cluster 1, H1e
12396	ENS00000136966	DRL1	14492	0.06	0.06	protein_coding	6	12402444	12402443	serpin 11
12508	ENS00000180537	RNF182	14434	6	0.06	protein_coding	6	13924677	13905033	ring finger protein 182
12743	ENS00000139670	FBXW7	14507	0.06	0.06	protein_coding	4	153242410	15345753	F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase
12811	ENS0000017895	CAF2	14607	2	0.06	protein_coding	11	81191754	81212012	succinate dehydrogenase complex assembly factor 2
12851	ENS00000149499	ELM3	14619	0.06	0.06	protein_coding	11	6230959	62380237	ectoderm microtubule-associated protein like 3
13004	ENS00000119846	HCAFY	14758	0.06	0.06	protein_coding	5	13489890	13473904	H2A histone family, associated protein Y
13066	ENS00000138493	CEP350	14781	0.06	0.06	protein_coding	8	12251364	12259926	microtubule-associated protein 35
13124	ENS00000138687	RBI1	14808	7	0.06	protein_coding	12	4887787	4906122	retrotransposon 1
13331	ENS00000157625	TABS1	14970	0.06	0.06	protein_coding	X	30845559	30892321	TGF-beta activated kinase 1/MAP3K7 binding protein 3
13381	ENS00000100726	WDR12	14982	0.06	0.06	protein_coding	15	1544810	1544810	casein 7, acute-phase related cytosolic phospholipase
13406	ENS00000088951	GRAMD1A	15028	0.06	0.06	protein_coding	19	3548568	35517375	GRAM domain containing 1A
13424	ENS00000124799	CEP135	15040	2	0.06	protein_coding	4	58815037	58899529	centrosomal protein 135kDa
13447	ENS00000181443	WDR50	15052	0.06	0.06	protein_coding	4	7182968	7182968	increased order protein 50 (yeast)
13473	ENS00000121067	SNOP	15063	1	0.06	protein_coding	17	4767646	4775596	speckle-type POZ protein
13511	ENS00000124786	SLC35B3	15105	3	0.06	protein_coding	6	8413301	8435794	solute carrier family 35 (anionophore 3-phospho-5-phosphorulate transporter), member 83
13514	ENS00000117996	RFX1	15107	3	0.06	protein_coding	6	10071136	10071136	RNA 1-phosphatase cytosolic
13564	ENS00000117620	SLC35A3	15144	7	0.06	protein_coding	1	10043545	100492535	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3
13573	ENS00000184548	TRAZA	15151	2	0.06	protein_coding	7	2354399	23571460	transformer 2 alpha homologue (Drosophila)
13584	ENS0000011863	WDR63	15152	0.06	0.06	protein_coding	10	1294199	1294199	WD repeat domain protein 63
13729	ENS00000005576	PHF22	15276	7	0.06	protein_coding	7	77428122	77588518	putative homeodomain transcription factor 2
13797	ENS00000189865	CDC152	15320	3	0.06	protein_coding	5	42759903	42802462	collet-coil domain containing 152
13818	ENS00000183738	CANX	15334	5	0.06	protein_coding	5	4458345	4458345	transcription activator candidate 5
13827	ENS00000151865	PBF	15339	7	0.06	protein_coding	2	4890676	4894428	phosphatidylinositol glycan anchor biosynthesis, class F
13974	ENS00000133328	HRA52	15452	3	0.06	protein_coding	11	8332042	83330855	HRA52-like suppressor 2
14014	ENS00000185523	WDR19	15459	1	0.06	protein_coding	11	8033765	8033765	CCZ1 vesicular protein trafficking phosphatase (B. cereus-like)
14032	ENS00000170222	ADPRM	15496	4	0.06	protein_coding	17	1060591	10614550	ADP-ribose-CDP-adenosine diphosphate, manganese-dependent
14041	ENS00000171156	CEL1	15505	8	0.06	protein_coding	17	32812887	32815563	chemokine (C-C motif) ligand 11
14095	ENS0000018528	WDR52	15507	0.06	0.06	protein_coding	22	4896458	4896458	tetrahymena repeat domain 38
14119	ENS00000028116	VRK2	15559	5	0.06	protein_coding	2	6813478	6813765	vacuolar related kinase 2
14154	ENS00000054965	FAM168A	15584	0.06	0.06	protein_coding	11	7311532	73139024	family with sequence similarity 168, member A
14158	ENS00000157341	WDR43	15585	3	0.06	protein_coding	8	5381196	5381196	ubiquitin-protein ligase E2B 2
14329	ENS00000153964	PDX	15718	4	0.06	protein_coding	3	19636046	196426378	phosphatidylinositol glycan anchor biosynthesis, class X
14437	ENS00000205846	CLEC4A	15807	3	0.06	protein_coding	12	8606522	8603026	C-type lectin domain family 6, member A
14571	ENS00000197312	RSC1A1	15816	0.06	0.06	protein_coding	1	1594399	1595530	DNA-damage inducible 1 homologue 2 (S. cerevisiae)
14583	ENS00000115461	RNF45	15819	0.06	0.06	protein_coding	12	2637693	2637693	RNF45, member RASGEF domain 1
14606	ENS00000175105	RNF54	16171	0.06	0.06	protein_coding	3	8818254	88193815	zinc finger protein 654
15042	ENS00000047315	POR2B	16275	0.06	0.06	protein_coding	4	5784398	5787324	peroxin 2
15048	ENS0000014450	GNB4	16284	1	0.06	protein_coding	14	17911690	17916978	guanine nucleotide binding protein (G protein), beta polypeptide 4
15053	ENS00000137491	SLC22B1	16288	0.06	0.06	protein_coding	11	74811658	74819754	solute carrier organic anion transporter family, member 2B1
15312	ENS00000197535	MYO9A	16462	3	0.0					

19420	ENSG00000130167	TPST16	19680	7	0.06	protein_coding	11460828	11437372	beta-galactosidase
19423	ENSG00000137919	CYP17A1	19687	8	0.06	protein_coding	894638	894638	cytochrome P450, family 17, subfamily A, polypeptide 1
19437	ENSG00000179478	C14orf28	19591	9	0.06	protein_coding	44536498	45376460	chromosome 14 open reading frame 28
19516	ENSG00000183690	EFHC2	19651	6	0.06	protein_coding	44007128	44202918	EF-hand domain (C-terminal) containing 2
19550	ENSG00000233280	CFRB3	19675	7	0.06	protein_coding	97540884	97984132	Beta-galactan crystallin domain-containing protein 3; cDNA FLJ30002, weakly similar to Uro-reference factor A
19597	ENSG00000198707	CEP250	19713	8	0.06	protein_coding	88442793	88535993	centrosomal protein 290kDa
19743	ENSG00000245511	HSD17C	19827	0	0.06	protein_coding	51347005	51384289	HSD17 hypoxia inducible domain family, member 1C
19808	ENSG00000145388	MEITL14	19837	1	0.06	protein_coding	119899553	119899588	chromosome 15 open reading frame 14
19819	ENSG00000193061	SLC7A6S	19875	5	0.06	protein_coding	186378466	18634469	solute carrier family 7, member 6 opposite strand
19890	ENSG00000195071	AKG1	19952	0	0.06	protein_coding	137842980	137851229	alpha-1,4-N-acetylglucosaminyltransferase
19914	ENSG00000200849	CSE1B	19926	6	0.06	protein_coding	92665848	92666468	chitinase 3 open reading frame 18
19935	ENSG00000203546	CHST3	19982	4	0.06	protein_coding	31803518	31802647	1,6-hydroxylated protein
19970	ENSG00000139931	C8AD	20006	0	0.06	protein_coding	53551447	53575139	cysteine sulfenic acid decarboxylase
20000	ENSG00000205493	TMSB2	20041	6	0.06	protein_coding	16089097	16074477	ubiquitin-associated protein 62
20073	ENSG00000137770	CTSP2	20079	0	0.06	protein_coding	44719432	44821236	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2
20109	ENSG00000145687	SSBP2	20143	0	0.06	protein_coding	80739840	81047616	single-stranded DNA binding protein 2
20174	ENSG00000199214	ZNF75	20155	3	0.06	protein_coding	52772924	52776977	zinc finger protein 756
20215	ENSG00000171954	CY4F42	20184	3	0.06	protein_coding	15619304	15663128	cytochrome P450, family 4, subfamily F, polypeptide 22
20393	ENSG00000101126	ADNP	20342	0	0.06	protein_coding	49055585	49474958	activity-dependent neuroprotector homeobox
20428	ENSG00000115631	FRS3B	20393	0	0.06	protein_coding	29219041	29201134	FER3 domain containing 48
20433	ENSG00000174502	SLC26A9	20371	7	0.06	protein_coding	205882176	205912588	solute carrier family 26 (anion exchanger), member 9
20492	ENSG00000100207	TCF20	20423	3	0.06	protein_coding	42556019	42736622	transcription factor 20 (AR1)
20502	ENSG00000175184	ABO	20425	6	0.06	protein_coding	136125788	136150017	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)
20525	ENSG00000136273	HUST1	20444	9	0.06	protein_coding	47735228	48019178	HUST1 checkpoint homolog (S. pombe)
20603	ENSG00000176993	DYNAP	20499	6	0.06	protein_coding	52254989	52267974	dynactin-associated protein
20688	ENSG00000305115	SH3YL1	20683	2	0.06	protein_coding	2177130	263838	SH3 and SVLFL domain containing 1
20691	ENSG00000187815	ZFP69	20654	3	0.06	protein_coding	40942887	40280215	ZFP69 zinc finger protein
20693	ENSG00000306395	KLHL22	20635	0	0.06	protein_coding	33747469	33747468	klhl22
20811	ENSG00000143354	SLC27A3	20657	6	0.06	protein_coding	153748330	153750323	solute carrier family 27 (fatty acid transporter), member 3
20876	ENSG00000131745	MMP13	20700	3	0.06	protein_coding	1102813724	102849483	matrix metalloproteinase 13 (collagenase 3)
20901	ENSG00000105658	CLSR1	20741	2	0.06	protein_coding	12200722	12200722	cytoskeleton line actin-binding protein 11
20918	ENSG00000133195	SLC38A11	20739	5	0.06	protein_coding	79462088	71088851	solute carrier family 38, member 11
20924	ENSG00000202752	STAG3L5P-PRVGP2P-PILRB	20743	6	0.06	protein_coding	99933727	99954554	STAG3L5P-PRVGP2P-PILRB readthrough
20928	ENSG00000191278	CLSR2	20743	2	0.06	protein_coding	11038020	11038020	mannan-binding lectin domain-containing protein 2
20962	ENSG00000202452	C6orf15	20764	5	0.06	protein_coding	31079000	31080336	chromosome 6 open reading frame 15
20988	ENSG00000181450	ZNF478	20796	0	0.06	protein_coding	227751244	22786514	zinc finger protein 678
21021	ENSG00000105055	TRIP11	20829	0	0.06	protein_coding	6966220	6966220	glucocorticoid-inducible phosphatase domain containing 2
21092	ENSG00000183248	RIMP3C	20861	8	0.06	protein_coding	21895646	21895550	RIMS binding protein 3C
21109	ENSG00000202472	NRP4A	20872	8	0.06	protein_coding	14852891	14820195	nuclear pore complex interacting protein family, member A3
21154	ENSG00000200591	USP4C	20918	11	0.06	protein_coding	1753111	1753111	Usher syndrome 1C (cellular adhesion molecule, severe)
21272	ENSG00000168038	ULK4	21013	6	0.06	protein_coding	41280906	42039322	ULK4-like kinase 4
21282	ENSG00000303030	ZCCHC8	21020	9	0.06	protein_coding	122967417	12285518	zinc finger, CCHC domain containing 8
21283	ENSG00000141650	TRIP11A	21021	7	0.06	protein_coding	6966220	6966220	tumor necrosis factor receptor superfamily, member 11a; NFkB activator
21310	ENSG00000204122	USP14	21034	4	0.06	protein_coding	23495284	23495284	USP (glucuronidase, 1 family, polypeptide A) 7
21328	ENSG00000116984	MTR	21055	4	0.06	protein_coding	23695810	23707821	5-methyltetrahydrofolate-homocysteine methyltransferase
21373	ENSG00000205657	CLL1U05	21050	3	0.06	protein_coding	56913870	9261264	chromatin remodeling complex subunit 5 opposite strand
21375	ENSG00000201718	KLHL20	21037	6	0.06	protein_coding	33338366	33404827	chromatin remodeling complex subunit 20
21402	ENSG00000138639	ARHGAP24	21113	3	0.06	protein_coding	86326267	86326263	Rho GTPase activating protein 24
21409	ENSG00000219178	PSIP1	21123	0	0.06	protein_coding	43429299	43429300	pregnancy-specific beta-1-glycoprotein 1 (gene-pseudogene)
21413	ENSG00000166794	SLC38A2	21167	4	0.06	protein_coding	21461414	21470030	solute carrier family 38 (zinc transporter), member 2
21419	ENSG00000132871	SSTR4	21131	6	0.06	protein_coding	230146057	23017314	somatostatin receptor 4
21423	ENSG00000181904	LEMD2	21133	1	0.06	protein_coding	33739979	33739979	LEM domain containing 2
21430	ENSG00000164938	DCSTAP1	21107	8	0.06	protein_coding	105301315	11710017	dehydrocorticosteroid seven transmembrane protein
21464	ENSG00000189079	ARID2	21187	2	0.06	protein_coding	48124448	46301823	AR1 rich interacting domain 2 (ARID, RFX-like)
21492	ENSG00000202943	SPINK8	21186	9	0.06	protein_coding	48848936	48839831	serine peptidase inhibitor, Kazal type 8 (putative)
21498	ENSG00000214980	CA5A	21192	4	0.06	protein_coding	18282976	18282976	urokinase-like
21503	ENSG00000188624	IGL3	21186	1	0.06	protein_coding	46823328	46829371	IGF-like family member 3
21508	ENSG00000151418	ATP9V1G3	21188	0	0.06	protein_coding	188492362	188500075	ATPase, H ⁺ transporting, lysosomal 136Da, V1 subunit G3
21515	ENSG00000191620	CA5A	21192	4	0.06	protein_coding	148611529	148611529	chromosome 5 open reading frame 60A
21519	ENSG00000136888	IL3RG	21209	0	0.06	protein_coding	113730780	113742424	interleukin 36, gamma
21555	ENSG00000181656	GPR88	21235	3	0.06	protein_coding	101003693	101007574	G-protein-coupled receptor 88
21580	ENSG00000140921	SH3BP2	21239	1	0.06	protein_coding	90445126	90412643	chromosome 1 open reading frame 12
21589	ENSG00000187780	SOAT2	21240	0	0.06	protein_coding	53497302	53818222	sterol O-acetyltransferase 2
21591	ENSG00000215853	RPTN	21262	0	0.06	protein_coding	152126071	152131704	reticulon 1
21593	ENSG00000198484	OR1L3	21232	9	0.06	protein_coding	224802283	224802283	olfactory receptor, family 1, member 4
21704	ENSG00000125731	SH2D4A	21357	3	0.06	protein_coding	6752171	6747999	SH2 domain containing 3A
21801	ENSG00000210787	PLEKHK1	21429	2	0.06	protein_coding	102414212	124191867	pleckstrin homology domain containing, family A (phosphocholine binding specific) member 1
21907	ENSG00000202031	CA5A	21192	4	0.06	protein_coding	49081523	49081523	calcium channel, voltage-dependent, L type, alpha 1F subunit
21929	ENSG00000105163	TMPRSS3	21524	1	0.06	protein_coding	43781999	43816555	transmembrane protease, serine 3
22007	ENSG00000204045	TMEM189	21609	1	0.06	protein_coding	17928448	26798176	transmembrane protein 189
22100	ENSG00000201155	MTZAP	21633	0	0.06	protein_coding	57848165	57848165	mucopolysaccharide adhesin protein
22101	ENSG00000202820	CTC1	21653	9	0.06	protein_coding	28125832	28220391	Uncharacterized protein
22122	ENSG00000158580	LCT	21737	8	0.06	protein_coding	218545410	138589470	lactase
22195	ENSG00000105208	SULF1C3	21813	3	0.06	protein_coding	10888108	10888108	sulfatase domain family, cysteine, 1C, member 3
22264	ENSG00000202452	C8orf129	21849	7	0.06	protein_coding	98080485	98198466	chromosome 9 open reading frame 129
22407	ENSG00000099823	PLEKHG8	21874	4	0.06	protein_coding	6418602	6437972	pleckstrin homology domain containing, family G (with RhoGEF domain) member 6
22445	ENSG00000198588	PRICK2	21908	3	0.06	protein_coding	4681718	4681718	protein tyrosine kinase, 42
22563	ENSG00000108702	CCL1	21997	2	0.06	protein_coding	33687347	33690250	chemokine (C-C motif) ligand 1
22576	ENSG00000129097	ADRA1A	22005	7	0.06	protein_coding	28605697	28724790	adrenocorticoid alpha 1A
22583	ENSG00000194498	ZNF778	22016	6	0.06	protein_coding	15008159	15008159	zinc finger protein 775
22664	ENSG00000187950	OVCH1	22078	9	0.06	protein_coding	29554507	29560519	ovch1
22705	ENSG00000184809	KCNK7	22110	8	0.06	protein_coding	40980704	40984748	chromosome 21 open reading frame 88
22721	ENSG00000173338	KCNK7	22129	7	0.06	protein_coding	65363026	65363467	potassium channel, subfamily K, member 7
22744	ENSG00000210723	CAF2	22131	3	0.06	protein_coding	36236978	36236978	Histone H2A N-methyltransferase 2B
22748	ENSG00000202673	TBC1D29	22146	0	0.06	protein_coding	28884130	28890511	TBC1 domain family, member 29
22764	ENSG00000216230	KIF18A	22153	9	0.06	protein_coding	241558133	241557122	catapin 10
22815	ENSG00000184893	SLC7A13	22189	5	0.06	protein_coding	87323691	87333379	solute carrier family 7 (anion and amino acid transporter), member 13
22848	ENSG00000154478	GPR226	22224	3	0.06	protein_coding	125458271	125454223	G-protein-coupled receptor 26
22860	ENSG00000203246	MCHR2	22231	0	0.06	protein_coding	53865996	53865996	zinc finger protein 525
22860	ENSG00000203246	MCHR2	22236	0	0.06	protein_coding	100078786	100442123	melanin-concentrating hormone receptor 2
22915	ENSG00000156556	GSDPD5	22281	0	0.06	protein_coding	75145885	75236948	glucosylphosphatidylinositoltransferase domain containing 5
22939	ENSG00000119914	YSZK	22300	0	0.06	protein_coding	74081781	74729441	visual system homeobox 2
22943	ENSG00000209494	ZNF469	22349	6	0.06	protein_coding	33341261	33330902	zinc finger protein 468
22989	ENSG00000205853	ZNF247	22347	5	0.06	protein_coding	73441182	73152027	Uncharacterized protein
23023	ENSG00000099910	KLHL22	22373	9	0.06	protein_coding	20738228	20850170	klhl22-like family member 22
23042	ENSG00000165966	WRNRM4	22396	0	0.06	protein_coding	41568226	41568226	PI3K domain containing protein finger 4
23053	ENSG00000171631	PARY6	22395	1	0.06	protein_coding	12975550	73096862	pyridinergic receptor P2Y, G-protein coupled, 6
23058	ENSG00000183560	FOI1A	22397	2	0.06	protein_coding	94038759	94038887	folate receptor 4, delta (putative)
23083	ENSG00000109101	CDK2C	22401	1	0.06	protein_coding	26813261	26813261	cyclin dependent kinase 11
23091	ENSG00000135697	BCMO1	22423	0	0.06	protein_coding	81272053	81324747	beta-carotene 15,15'-monooxygenase 1
23099	ENSG00000210372	ZNF705G	22429	0	0.06	protein_coding	21715039	7243080	zinc finger protein 705G
23116	ENSG00000204948	ZNF43	22437	9	0.06	protein_coding	92244637	92244637	Uncharacterized protein
23120	ENSG00000128512	DOCK4	22439	4	0.06	protein_coding	111386166	111484466	dedicator of cytokinesis 4
23123	ENSG00000186020	ZNF529	22441	2	0.06	protein_coding	37025676	37096178	zinc finger protein 529
2314									

24157	ENSG00000164707	SLC13A4	23273	5	0.06	protein_coding	7	135355885	135414006	solute carrier family 13 (sodium/sulfate symporter), member 4
24158	ENSG00000169920	PI3C2	23280	0.06	protein_coding	11	1122218	31229680	PI3K domain containing 18	
24214	ENSG00000149633	KIAA1755	23333	4	0.06	protein_coding	20	36638890	36699174	KIAA1755
24226	ENSG00000135953	MFSD9	23345	6	0.06	protein_coding	2	103332299	103353347	major facilitator superfamily domain containing 9
24227	ENSG00000176148	TCP1L1	23346	7	0.06	protein_coding	11	33060969	33127489	1 complex 11, testis-specific-like
24239	ENSG00000180914	TRAP1	23352	0.06	protein_coding	3	7374235	73822255	Ca ²⁺ dependent domain containing 3	
24271	ENSG00000100767	PAPLN	23377	4	0.06	protein_coding	14	73742026	73741348	papilin, proteoglycan like sulfated glycoprotein
24281	ENSG00000205111	CDKL4	23382	3	0.06	protein_coding	2	99402787	99402729	cyclin-dependent kinase-like 4
24287	ENSG00000189973	FAM150A	23383	5	0.06	protein_coding	3	129688118	129688989	ALG1, chitin-binding beta-mannosyltransferase-like
24298	ENSG00000157856	DRC1	23383	0.06	protein_coding	2	29624784	29624759	dynein regulatory complex subunit 1 homolog (Chlamydomonas)	
24320	ENSG00000186973	FAM212B	23412	0.06	protein_coding	9	43610824	43622607	family with sequence similarity 193, member A	
24343	ENSG00000193366	FAM212B	23412	0.06	protein_coding	9	39819388	39819344	family with sequence similarity 221, member B	
24359	ENSG00000146923	12-Sep	23456	5	0.06	protein_coding	16	4827870	4828522	seitin 12
24360	ENSG00000172014	ANKRD20A3	23456	6	0.06	protein_coding	9	69381812	69425980	ankyrin repeat domain 20 family, member A4
24384	ENSG00000102596	SSBP2	23474	6	0.06	protein_coding	8	8661866	8767209	spc-2 homolog (C. elegans)
24460	ENSG00000115423	DNAH6	23530	5	0.06	protein_coding	2	84743579	85046713	dynein, axonemal, heavy chain 6
24530	ENSG00000101276	SLC25A3	23578	3	0.06	protein_coding	20	740724	749131	solute carrier family 25 (riboflavin transporter), member 3
24531	ENSG00000106938	EVX1	23578	6	0.06	protein_coding	7	27200164	27200112	non-salivary homeobox 1
24553	ENSG00000112139	MDGA1	23596	6	0.06	protein_coding	6	37660284	37667082	MAM domain containing glycosylphosphatidylinositol anchor 1
24566	ENSG00000138409	AMHR2	23607	2	0.06	protein_coding	12	53817639	53825318	anti-Müllerian hormone receptor, type II
24570	ENSG00000102441	CT29L1	23610	7	0.06	protein_coding	2	46849307	46849397	general transcription factor IIA, 1-like
24579	ENSG00000125386	FAM193A	23614	5	0.06	protein_coding	2	2626888	2734292	family with sequence similarity 193, member A
24615	ENSG00000154529	CNTNAP3	23652	4	0.06	protein_coding	9	43684982	43692449	contactin associated protein-like 3B
24635	ENSG00000105664	LEPR2	23670	6	0.06	protein_coding	6	40359205	40359204	leucine rich repeat and fibronectin type II domain containing 2
24645	ENSG00000173250	GPR115	23678	5	0.06	protein_coding	5	14586266	14586753	G protein-coupled receptor 151
24680	ENSG00000154997	14-Sep	23712	9	0.06	protein_coding	7	59861237	59904882	seitin 14
24708	ENSG00000114724	MOT2A	23738	3	0.06	protein_coding	11	7683810	76929264	myosin VIIA
24707	ENSG00000134201	GSTM5	23739	6	0.06	protein_coding	1	110254864	110318950	glutathione S-transferase mu 5
24748	ENSG00000138824	RGS8	23773	6	0.06	protein_coding	1	182815239	18283311	regulator of G protein signaling 8
24788	ENSG00000189366	SEC24L8	23812	2	0.06	protein_coding	11	753148	761364	PTPase heterocysteine binding protein 2 (beta beta 2)
24787	ENSG00000208579	XKRA	23810	7	0.06	protein_coding	8	56014949	56045413	XX, Kall blood group complex subunit-related family, member 4
24798	ENSG00000123576	ESX1	23820	6	0.06	protein_coding	X	103447149	103499614	ESX homeobox 1
24799	ENSG00000132037	PANX1Y11	23820	6	0.06	protein_coding	19	10212686	10212687	PANX1 domain containing 19
24822	ENSG00000253710	ALG11	23845	2	0.06	protein_coding	13	52586534	52603800	ALG11, alpha-1,2-mannosyltransferase
24836	ENSG00000058453	CROC2	23847	1	0.06	protein_coding	1	17066788	17299474	coiled coil domain containing 2
24888	ENSG00000170288	TRAF3IP1	23850	2	0.06	protein_coding	9	13070961	13070967	DNA domain family member 5, BIRP domain
24900	ENSG00000106018	VPR2	23852	2	0.06	protein_coding	7	15882066	15893749	vascular endothelial peptide receptor 2
24948	ENSG00000215474	SKOR2	23942	0	0.06	protein_coding	18	44746293	44775554	SKI family transcriptional corepressor 2
25027	ENSG00000106683	TMR6B5	24018	3	0.06	protein_coding	11	11358103	11358105	aminoterminal protein, alpha 7
25034	ENSG00000271723	2015	24015	4	0.06	protein_coding	1	55107459	55057881	MROH7-TTC4 readthrough (NMD candidate)
25094	ENSG00000295889	RRTAP2	24032	6	0.06	protein_coding	11	1605324	1606513	keratin associated protein 5-1
25123	ENSG00000146169	SEC14L8	24032	2	0.06	protein_coding	22	3091228	3091230	SEC14-like (G. crassus)
25127	ENSG00000178125	PPPR2	24085	6	0.06	protein_coding	8	67818334	67868839	protein phosphatase 1, regulatory subunit 42
25142	ENSG00000177058	SLC38A9	24097	5	0.06	protein_coding	5	54921673	55099202	solute carrier family 38, member 9
25151	ENSG00000169514	CD80F5	24116	6	0.06	protein_coding	22	24105296	24108068	chromosome 22 open reading frame 15
25215	ENSG00000189435	CHRF44	24119	7	0.06	protein_coding	5	78915491	78915491	chemokine receptor, monocyte, beta 4 (neuronal)
25237	ENSG00000182132	KCNP1	24180	4	0.06	protein_coding	5	169780481	17016336	Kv channel interacting protein 1
25238	ENSG00000166260	FAM227B	24180	5	0.06	protein_coding	15	68919159	68919128	family with sequence similarity 227, member B
25312	ENSG00000183793	DNAJC6	24180	7	0.06	protein_coding	15	27482629	27482630	DnaJ (Hsp40) homolog, subfamily C, member 5 gamma
25353	ENSG00000103740	ACSBG1	24233	6	0.06	protein_coding	15	7585810	7583000	acyl-CoA synthetase bubblegum family member 1
25412	ENSG00000196277	TOR1B	24238	3	0.06	protein_coding	3	6811688	7163315	rapamycin receptor, mTORC2/3
25414	ENSG00000166562	GPHYT1	24238	6	0.06	protein_coding	9	33511786	336241448	G protein-coupled receptor 1
25446	ENSG00000197024	ZNF398	24241	4	0.06	protein_coding	7	148823508	148880116	zinc finger protein 398
25457	ENSG00000195486	KCNK23	24270	3	0.06	protein_coding	8	99439250	99445076	potassium voltage-gated channel, delayed-rectifier, subfamily S, member 2
25511	ENSG00000189393	LRFD3	24310	3	0.06	protein_coding	7	74491696	74491671	leucine rich repeats and IQ motif containing 3
25518	ENSG00000189195	2015	24415	8	0.06	protein_coding	3	185430316	185447575	chromosome 3 open reading frame 65
25525	ENSG00000188385	JAKMIP3	24421	4	0.06	protein_coding	10	13391815	13399813	Janus kinase and microtubule interacting protein 3
25576	ENSG00000205485	PCDH9A5	24421	3	0.06	protein_coding	13	140716388	140716388	protodesmosome subfamily A
25624	ENSG00000148408	CACNA1B	24497	7	0.06	protein_coding	9	14077241	141019276	calcium channel, voltage-dependent, N type, alpha 1B subunit
25626	ENSG00000100308	TOR1B	24502	4	0.06	protein_coding	22	22311397	22327313	topoisomerase (DNA) III beta
25680	ENSG00000102780	GATL3	24502	3	0.06	protein_coding	22	3201216	3201216	G protein regulated inducer of neurite outgrowth 2
25688	ENSG00000102780	DKH1	24508	6	0.06	protein_coding	13	42614176	42630714	diacylglycerol kinase, eta
25699	ENSG00000404781	USH2A	24557	1	0.06	protein_coding	1	21576628	21699738	Usher syndrome 2A (autosomal recessive, mild)
25738	ENSG00000155714	MYT1	24589	7	0.06	protein_coding	20	22944164	4201728	myosin transcription factor 1
25743	ENSG00000178734	C13orf45	24592	7	0.06	protein_coding	13	21995188	22012433	PO2 domain containing 9
25747	ENSG00000189435	SH2C2	24592	7	0.06	protein_coding	13	76445187	76457947	chromosome 13 open reading frame 45
25760	ENSG00000189435	SH2C2	24592	7	0.06	protein_coding	13	76445187	76457947	SH2 domain containing transmembrane repeats 2
25783	ENSG00000109938	CATSPERG	24624	4	0.06	protein_coding	16	85391069	85390365	Uncharacterized protein
25811	ENSG00000111517	ADAMT20	24653	7	0.06	protein_coding	17	38918768	38918889	cathepsin domain auxiliary subunit gamma
25815	ENSG00000205308	PCDH10	24653	7	0.06	protein_coding	12	43742682	43742682	ADAM metalloproteinase with thrombospondin type 1 motif, 20
25884	ENSG00000176402	G3C3	24692	6	0.06	protein_coding	11	6583748	65837090	Uncharacterized protein
25913	ENSG00000102415	GRASP2	24732	4	0.06	protein_coding	7	99520892	99527243	gap junction protein, gamma 3, 30.2kDa
25919	ENSG00000202200	PCDHGB3	24738	6	0.06	protein_coding	5	14075983	140892548	G protein regulated inducer of neurite outgrowth 2
25927	ENSG00000080368	WDR70	24740	6	0.06	protein_coding	5	140739314	37755337	protodesmosome subfamily B, 3
25967	ENSG00000102495	PCDH10	24738	6	0.06	protein_coding	5	14075983	140892548	WD repeat domain 70
25989	ENSG00000201447	PCDH10	24738	3	0.06	protein_coding	5	14075983	140892548	melanocortin 1 receptor (beta melanocyte stimulating hormone receptor)
25998	ENSG00000102495	PCDH10	24738	3	0.06	protein_coding	5	14075983	140892548	protodesmosome subfamily A, 1
26046	ENSG00000103987	ZNF728	24799	3	0.06	protein_coding	15	90789288	90815440	Uncharacterized protein
26065	ENSG00000102833	CACNA1G	24855	1	0.06	protein_coding	17	24098116	24119461	zinc finger protein 728
26077	ENSG00000272514	CKB1H5	24864	6	0.06	protein_coding	6	88117701	88174135	calcium channel, voltage-dependent, T type, alpha 1G subunit
26098	ENSG00000102122	LINC0229	24890	2	0.06	protein_coding	7	27287897	27287897	UPF014 protein C1orf105
26118	ENSG00000123444	KBTBD4	24900	1	0.06	protein_coding	11	47553479	47600567	leucine rich repeats containing 20
26122	ENSG00000188738	FBP2	24902	5	0.06	protein_coding	2	18660335	18669817	ketohexose and BTP (PO2) domain containing 4
26172	ENSG00000185220	ESYT3	24944	6	0.06	protein_coding	3	138153428	138200228	fibrous sheath interacting protein 2
26298	ENSG00000176723	ZNF843	25032	3	0.06	protein_coding	3	133709815	133709825	extended synaptotagmin-like protein 3
26330	ENSG00000176233	ZNF843	25032	3	0.06	protein_coding	3	133709815	133709825	proteoglycan 45 amino acid peptide
26336	ENSG00000176233	ZNF843	25032	3	0.06	protein_coding	3	133709815	133709825	zinc finger protein B43
26339	ENSG00000176233	ZNF843	25032	3	0.06	protein_coding	3	133709815	133709825	N-6 adenosine-specific DNA methyltransferase 1 (putative)
26472	ENSG00000205456	TPST3	25119	6	0.06	protein_coding	16	32268440	32287240	zinc finger protein
26486	ENSG00000188523	FAM88B	25227	3	0.06	protein_coding	8	14095996	14095944	family with sequence similarity 86, member B1
26533										

19728	ENSG0000024557	HLA-DPB2	19816.7	0.06	transcribed_unprocessed_pseudogene	6	33060228	33102442	major histocompatibility complex, class II, DP beta 2 (pseudogene)
23569	ENSG00000265480	KRT18P55	22778.8	0.06	transcribed_unprocessed_pseudogene	17	26603012	26644809	keratin 18 pseudogene 55
23669	ENSG00000242338	BMS1	22864.4	0.06	transcribed_unprocessed_pseudogene	10	75475601	75490227	BMS1 pseudogene 4
24196	ENSG00000203073	COLGAGL5P	23312.4	0.06	transcribed_unprocessed_pseudogene	15	85051116	85060045	golgln A6 family-like 5, pseudogene
24922	ENSG00000254717		23936.3	0.06	transcribed_unprocessed_pseudogene	11	58645775	58690933	glycine-N-acyltransferase-like 1 pseudogene 2
25199	ENSG00000086761	PMS2P4	24153.3	0.06	transcribed_unprocessed_pseudogene	7	66752528	66767894	postmeiotic segregation increased 2 pseudogene 4
25425	ENSG00000180178	FAR2P1	24346.7	0.06	unprocessed_pseudogene	2	130748029	130808704	fatty acyl CoA reductase 2 pseudogene 1
25975	ENSG00000161149	TUBA3FP	24777.6	0.06	transcribed_unprocessed_pseudogene	22	21357194	21368581	tubulin, alpha 3f, pseudogene
13344	ENSG00000204136	GZTA1P	14860.4	0.06	unitary_pseudogene	9	124207289	124262306	glycoprotein, alpha-galactosyltransferase 1 pseudogene
20066	ENSG00000204266	NUDT16P1	20956.8	0.06	unitary_pseudogene	3	31309742	313163966	nucleic acid pyrophosphatase, inorganic pyrophosphatase, X-type motif, 16 pseudogene 1
24016	ENSG00000240216		23161.2	0.06	unitary_pseudogene	3	14847143	14900987	ceruloplasmin and hephaesin-like 1 pseudogene
25857	ENSG00000248449	PCDH8BP	24454.7	0.06	unitary_pseudogene	5	14005553	140103219	protocadherin gamma subfamily B, 6 pseudogene
26337	ENSG00000215455		25701.4	0.06	unitary_pseudogene	20	45042667	45071915	zinc finger protein 663, pseudogene
12399	ENSG00000233297		14273.6	0.06	unprocessed_pseudogene	7	10232283	10233016	RAS p21 protein activator 4CD, pseudogene
20696	ENSG00000241257		20563.8	0.06	unprocessed_pseudogene	16	16404198	16428047	polycyclic kidney disease 1 (autosomal dominant) pseudogene 1
21520	ENSG00000204259		21209.3	0.06	unprocessed_pseudogene	Y	15042075	15000590	calcium/calmodulin-dependent serine protein kinase (MAGUK family) pseudogene 1
21780	ENSG00000230011		21413.8	0.06	unprocessed_pseudogene	10	52465140	52468666	calnexin 1, pseudogene 4
22134	ENSG00000287235		21675.8	0.06	unprocessed_pseudogene	19	15932806	15944607	zinc finger protein 881, pseudogene
22423	ENSG00000227879		21885.6	0.06	unprocessed_pseudogene	13	18723717	18801572	paraneoplastic component 1 pseudogene 1
22473	ENSG00000186466		21921	0.06	unprocessed_pseudogene	9	67272038	67278492	agucaprin 7 pseudogene 1
23386	ENSG00000227262	HCG4B	22730.8	0.06	unprocessed_pseudogene	6	29683760	29684750	HLA complex group 4B (non-protein coding)
23853	ENSG00000211665		23811	0.06	unprocessed_pseudogene	9	21386613	21396138	microfibrin alpha 11, pseudogene
24407	ENSG00000251633		23944.1	0.06	unprocessed_pseudogene	8	74817552	74827245	glycoprotein 1 pseudogene 1
25245	ENSG00000217624		23124.7	0.06	unprocessed_pseudogene	1	39980626	39982162	3-oxoadipyl CoA transferase 2 pseudogene 1
26094	ENSG00000214962		24380	0.06	unprocessed_pseudogene	X	118393309	118391633	A kinase (PRK) anchor protein 17B, pseudogene
26390	ENSG00000123965	PMS2P5	25129.7	0.06	unprocessed_pseudogene	7	74306894	74366124	postmeiotic segregation increased 2 pseudogene 5
7224	ENSG00000215333		9971.9	0.06	unprocessed_pseudogene	1	148736689	148737087	profilin 1 pseudogene 6
1948	ENSG00000252578		10581	0.06	unprocessed_pseudogene				
8410	ENSG00000235605		11055.1	0.06	unprocessed_pseudogene				
9169	ENSG00000236058		11684	0.06	unprocessed_pseudogene				
6022	ENSG00000276523	FBA1	11715	0.06	unprocessed_pseudogene	X	154114635	154116336	coagulation factor VIII-associated 1
9488	ENSG00000183558	HIST2H2AA3	11940.5	0.06	unprocessed_pseudogene	1	149813505	149814788	histone cluster 2, H2aa3
9895	ENSG00000213598		12110.1	0.06	unprocessed_pseudogene				
9751	ENSG00000205688		12154.8	0.06	unprocessed_pseudogene				
10519	ENSG00000243071		12747.6	0.06	unprocessed_pseudogene				
11650	ENSG00000243637		13696.8	0.06	unprocessed_pseudogene				
11742	ENSG00000207560		13704.6	0.06	unprocessed_pseudogene				
11956	ENSG00000252453		13949.7	0.06	unprocessed_pseudogene				
13497	ENSG00000237821		15097.9	0.06	unprocessed_pseudogene				
13854	ENSG00000290136		15065.3	0.06	unprocessed_pseudogene				
14903	ENSG00000242338		15520.8	0.06	unprocessed_pseudogene				
14813	ENSG00000251230		16094.1	0.06	unprocessed_pseudogene				
15086	ENSG00000261720		16118.1	0.06	unprocessed_pseudogene				
15066	ENSG00000294460		16206.0	0.06	unprocessed_pseudogene				
16017	ENSG00000166121		17045.8	0.06	unprocessed_pseudogene				
16317	ENSG00000260246		17256.2	0.06	unprocessed_pseudogene				
16386	ENSG00000226381		17215.3	0.06	unprocessed_pseudogene				
16540	ENSG00000255446		17426.5	0.06	unprocessed_pseudogene				
16996	ENSG00000223767		17556.9	0.06	unprocessed_pseudogene				
16789	ENSG00000232626		17592.5	0.06	unprocessed_pseudogene				
17393	ENSG00000225224		18053.7	0.06	unprocessed_pseudogene				
17470	ENSG00000272906		18112.8	0.06	unprocessed_pseudogene				
17468	ENSG00000211821		18122.0	0.06	unprocessed_pseudogene				
17511	ENSG00000272750		18141	0.06	unprocessed_pseudogene				
17998	ENSG00000267653		18196.5	0.06	unprocessed_pseudogene				
17972	ENSG00000210751		18226.0	0.06	unprocessed_pseudogene				
17733	ENSG00000235584		18313.8	0.06	unprocessed_pseudogene				
17753	ENSG00000251685		18326.1	0.06	unprocessed_pseudogene				
17779	ENSG00000218541		18341	0.06	unprocessed_pseudogene	8	144726090	144729139	RNA, U7 small nuclear, 109 pseudogene
17912	ENSG00000239963		18428.9	0.06	unprocessed_pseudogene				
17916	ENSG00000254432		18430.3	0.06	unprocessed_pseudogene				
17920	ENSG00000205691		18432.5	0.06	unprocessed_pseudogene				
17939	ENSG00000272606		18446.9	0.06	unprocessed_pseudogene				
17949	ENSG00000232606		18454.8	0.06	unprocessed_pseudogene				
18091	ENSG00000266026		18567.3	0.06	unprocessed_pseudogene				
18150	ENSG00000269889		18620.2	0.06	unprocessed_pseudogene				
18407	ENSG00000258772		18806.2	0.06	unprocessed_pseudogene				
18540	ENSG00000206687		18853.9	0.06	unprocessed_pseudogene				
18596	ENSG00000243303		18937.3	0.06	unprocessed_pseudogene				
18600	ENSG00000272842		18942	0.06	unprocessed_pseudogene				
18601	ENSG00000204211		18942.1	0.06	unprocessed_pseudogene				
18622	ENSG00000239035		18964.4	0.06	unprocessed_pseudogene				
18660	ENSG00000252624		18988.5	0.06	unprocessed_pseudogene				
18810	ENSG00000204991		19100	0.06	unprocessed_pseudogene				
18962	ENSG00000266491		19238.9	0.06	unprocessed_pseudogene				
19082	ENSG00000226806		19328.3	0.06	unprocessed_pseudogene				
18138	ENSG00000226850		19370.7	0.06	unprocessed_pseudogene				
19198	ENSG00000207971		19411.2	0.06	unprocessed_pseudogene				
19297	ENSG00000254211		19458.6	0.06	unprocessed_pseudogene	22	32349391	32349493	Small nuclear RNA U13
19262	ENSG00000238910		19461.6	0.06	unprocessed_pseudogene				
19281	ENSG00000268445		19477.9	0.06	unprocessed_pseudogene				
19288	ENSG00000272827		19481	0.06	unprocessed_pseudogene				
19305	ENSG00000215423		19493.5	0.06	unprocessed_pseudogene				
19315	ENSG00000218623		19500.8	0.06	unprocessed_pseudogene	7	72453891	72453991	Y RNA
19322	ENSG00000237772		19508.4	0.06	unprocessed_pseudogene				
19442	ENSG00000251785		19563.6	0.06	unprocessed_pseudogene				
19497	ENSG00000256215		19568.9	0.06	unprocessed_pseudogene				
19584	ENSG00000268114		19703.9	0.06	unprocessed_pseudogene				
19708	ENSG00000254539		19794	0.06	unprocessed_pseudogene				
19701	ENSG00000256298		19807.3	0.06	unprocessed_pseudogene				
19804	ENSG00000272657		19873.2	0.06	unprocessed_pseudogene				
19873	ENSG00000240453		19928.5	0.06	unprocessed_pseudogene				
19874	ENSG00000232623		19928.9	0.06	unprocessed_pseudogene				
19886	ENSG00000228463		19937.8	0.06	unprocessed_pseudogene				
20196	ENSG00000230836		20181.6	0.06	unprocessed_pseudogene				
20060	ENSG00000221417		20245.5	0.06	unprocessed_pseudogene				
20299	ENSG00000161573	CCL16	20266.3	0.06	unprocessed_pseudogene	17	34303529	34308532	chemokine (C-C motif) ligand 16
20440	ENSG00000228774		20376.1	0.06	unprocessed_pseudogene				
20458	ENSG00000232452		20389.6	0.06	unprocessed_pseudogene				
20559	ENSG00000187904		20474	0.06	unprocessed_pseudogene				
20560	ENSG00000256825		20475.3	0.06	unprocessed_pseudogene				
20571	ENSG00000232959		20486.3	0.06	unprocessed_pseudogene				
20597	ENSG00000255422		20495.3	0.06	unprocessed_pseudogene				
20631	ENSG00000252791		20520.9	0.06	unprocessed_pseudogene	20	36681049	36681148	Y RNA
20728	ENSG00000272335		20583.2	0.06	unprocessed_pseudogene				
20767	ENSG00000261898		20622.2	0.06	unprocessed_pseudogene				
20778	ENSG00000202401		20633.1	0.06	unprocessed_pseudogene				
20813	ENSG00000225660		20659.8	0.06	unprocessed_pseudogene				
20836	ENSG00000273124		20676.1	0.06	unprocessed_pseudogene				
20850	ENSG00000241743		20684.5	0.06	unprocessed_pseudogene				
20888	ENSG00000255689		20710.8	0.06	unprocessed_pseudogene	15	22691016	22693200	ATP-binding cassette, sub-family B (MDR/TAP), member 10 pseudogene 1
20980	ENSG00000256998		20778.5	0.06	unprocessed_pseudogene				
21011	ENSG00000237721		20801.1	0.06	unprocessed_pseudogene				
21059	ENSG00000269169		20833.7	0.06	unprocessed_pseudogene				
2									

21974	ENSG00000226788		21555.3	0.06				
21987	ENSG00000227607		21563.3	0.06				
22012	ENSG00000248665		21590.5	0.06				
22026	ENSG00000273232		21602.3	0.06				
22048	ENSG00000254520		21617.4	0.06				
22064	ENSG00000254522		21630.2	0.06				
22072	ENSG00000205452		21635.9	0.06				
22088	ENSG00000272990		21649.7	0.06				
22094	ENSG00000257738		21651.5	0.06				
22152	ENSG00000224846		21694.6	0.06				
22164	ENSG00000260994		21695.6	0.06				
22185	ENSG00000228926		21744.5	0.06				
22191	ENSG00000242098		21722.4	0.06				
22228	ENSG00000241054		21757.1	0.06				
22241	ENSG00000225430		21791.5	0.06				
22259	ENSG00000238563		21789.4	0.06	15	45783782	45783885	Small nuclear RNA U13
22329	ENSG00000270523		21819.3	0.06				
22353	ENSG00000298108		21838.4	0.06				
22355	ENSG00000208430		21839.6	0.06				
22396	ENSG00000233900		21840.1	0.06				
22378	ENSG00000231666		21877.2	0.06				
22458	ENSG00000229652		21913.6	0.06				
22459	ENSG00000235492		21914.8	0.06				
22462	ENSG00000208058		21915.9	0.06				
22463	ENSG00000238384		21918.8	0.06	7	94905898	94905966	Small nuclear RNA U13
22481	ENSG00000253385		21928.5	0.06				
22505	ENSG00000231863		21943.4	0.06				
22524	ENSG00000204603		21960.3	0.06				
22541	ENSG00000237638		21976.7	0.06				
22545	ENSG00000214335		21980.7	0.06				
22555	ENSG00000249601		21988.6	0.06				
22564	ENSG000002087134		21997.6	0.06				
22571	ENSG00000253335		22003.4	0.06				
22599	ENSG000002054756		22023.6	0.06	17	61917343	61917644	RNA 7SL, cytoplasmic 80S, pseudogene
22606	ENSG00000272103		22028.5	0.06				
22610	ENSG00000235388		22032.3	0.06				
22641	ENSG00000232712		22059.7	0.06				
22648	ENSG00000237346		22065.7	0.06				
22662	ENSG00000208988		22078.1	0.06				
22663	ENSG00000259244		22078.2	0.06				
22667	ENSG00000237846		22080.4	0.06				
22672	ENSG00000231210		22084.0	0.06				
22681	ENSG00000258490		22092.5	0.06				
22692	ENSG00000194270		22099.6	0.06	2	42865101	42865188	Y RNA
22725	ENSG00000231240		22132.1	0.06				
22729	ENSG00000235124		22134.4	0.06				
22730	ENSG00000257400		22134.9	0.06				
22731	ENSG00000204260		22136.6	0.06				
22734	ENSG000002081355		22148.8	0.06				
22755	ENSG00000182021		22150.1	0.06				
22765	ENSG00000232139		22150.9	0.06				
22778	ENSG0000021228		22166.2	0.06				
22782	ENSG00000231666		22167.4	0.06				
22794	ENSG00000237945		22177.6	0.06				
22795	ENSG00000233021		22177.9	0.06				
22802	ENSG00000227012		22183.9	0.06				
22809	ENSG00000270400		22192	0.06				
22816	ENSG00000229255		22200.2	0.06				
22817	ENSG00000208982		22201.4	0.06				
22819	ENSG00000259243	GOLGA6L3	22202.6	0.06	15	83011379	83018198	gdgln A8 family-like 19
22824	ENSG00000228333		22202.7	0.06				
22830	ENSG00000234485		22207.9	0.06				
22835	ENSG00000229162		22216.3	0.06				
22865	ENSG00000233369		22233.3	0.06				
22871	ENSG00000256625		22237.7	0.06				
22875	ENSG00000232872		22244.5	0.06				
22886	ENSG00000214119		22254.4	0.06				
22905	ENSG00000228971		22269.4	0.06				
22908	ENSG00000234391		22275.2	0.06				
22917	ENSG00000204823		22281.6	0.06				
22922	ENSG00000251088		22284.5	0.06				
22923	ENSG00000251057		22285.3	0.06				
22926	ENSG00000230934		22288.2	0.06				
22928	ENSG00000228918		22290.6	0.06				
22933	ENSG00000226565		22292	0.06	17	34310862	34317308	Uncharacterized protein
22936	ENSG00000281797		22294.6	0.06				
22940	ENSG00000251059		22300.5	0.06				
22953	ENSG00000204620		22312	0.06				
22959	ENSG00000256339		22320.2	0.06	18	48633124	48633416	RNA 7SL, cytoplasmic 80S, pseudogene
22962	ENSG00000270571		22343	0.06				
23008	ENSG00000203594		22380.3	0.06				
23007	ENSG00000233863		22381	0.06	6	89674246	89676685	Uncharacterized protein. cDNA FLJ27030 fis. clone SLV07741
23017	ENSG00000233379		22369.7	0.06				
23019	ENSG00000208076		22371.4	0.06				
23021	ENSG00000231026		22380	0.06				
23035	ENSG00000254054		22385.6	0.06				
23061	ENSG00000236431		22388.3	0.06				
23074	ENSG00000236257		22411	0.06	11	93530379	93530479	Small nuclear RNA U13
23088	ENSG00000218857		22418.6	0.06				
23100	ENSG00000256105		22430.1	0.06				
23107	ENSG00000208986		22434.7	0.06				
23131	ENSG00000253326		22448.1	0.06				
23143	ENSG00000227683		22455.7	0.06				
23164	ENSG00000259184		22478.6	0.06				
23169	ENSG00000240996		22482.4	0.06				
23176	ENSG00000208117		22486	0.06				
23178	ENSG00000271984		22489.5	0.06				
23185	ENSG00000259756		22492.4	0.06				
23189	ENSG00000230958		22496.6	0.06				
23201	ENSG00000233087		22507.9	0.06				
23212	ENSG00000254878		22519.3	0.06				
23219	ENSG00000208984		22527.4	0.06				
23244	ENSG00000271025		22544.4	0.06				
23245	ENSG00000253366		22544.4	0.06				
23247	ENSG00000259162		22546.5	0.06				
23252	ENSG00000208167		22551.5	0.06				
23264	ENSG00000227644		22555.4	0.06				
23276	ENSG00000239921		22560.9	0.06				
23278	ENSG00000231010		22561.5	0.06				
23293	ENSG00000228963		22574.8	0.06				
23300	ENSG00000271787		22581	0.06				
23320	ENSG00000239028		22585.3	0.06				
23330	ENSG00000250230		22606.8	0.06				
23331	ENSG00000233002		22607.4	0.06				
23338	ENSG00000231956		22610.3	0.06				
23340	ENSG00000228765		22620.5	0.06				
23343	ENSG00000226859		22622.7	0.06				
23350	ENSG00000232657		22627.8	0.06				
23360	ENSG00000253923		22636.4	0.06				
23366	ENSG00000229063		22642.9	0.06				
23383	ENSG00000254443		22656.3	0.06				
23399	ENSG00000230967		22662.4	0.06				
23400	ENSG00000271926		22663.2	0.06				
23405	ENSG00000208270		22666	0.06				
23409	ENSG00000234156		22670.5	0.06				
23411	ENSG00000255442		22671.4	0.06				
23417	ENSG00000208964		22674.2	0.06				
23419	ENSG00000253300		22675.0	0.06				
23431	ENSG00000246740		22683	0.06				
23434	ENSG00000206509		22685	0.06				
23445	ENSG00000238991		22690.4	0.06	17	18049866	18049969	Small nuclear RNA U13
23454	ENSG00000272866		22698.1	0.06				
23474	ENSG00000272624		22711.7	0.06				
23484	ENSG00000246359		22720.1	0.06				
23492	ENSG00000257761		22723.4	0.06				
23494	ENSG00000239440		22724.4	0.06				
23501	ENSG00000271904		22728.5	0.06				
23502	ENSG00000248966		22731	0.06				
23513	ENSG00000237720		22736.3	0.06				
23517	ENSG00000224844		22738	0.06				
23538	ENSG00000208463		22750.5	0.06				
23537	ENSG00000259219		22750.6	0.06				
23541	ENSG00000229411		22753.1	0.06				
23546	ENSG00000183239		22757.2	0.06				
23550	ENSG00000234577		22763.9	0.06				
23563	ENSG00000234244		22773.9	0.06				
23572	ENSG00000232415		22781.2	0.06				
23584	ENSG00000244183		22790.3	0.06				
23588	ENSG00000254681		22791.1	0.06				
23594	ENSG00000251928		22793.7	0.06	11	16995968	16996035	RNA, U6 small nuclear 58S, pseudogene

23604	ENSG00000251248		22805	2	0.06				
23615	ENSG00000244489		22814	8	0.06				
23638	ENSG00000258378		22832	3	0.06				
23639	ENSG00000233996		22839	1	0.06				
23644	ENSG00000225544		22844	8	0.06				
23646	ENSG00000242925		22845	9	0.06				
23647	ENSG00000242859		22846	6	0.06				
23657	ENSG00000251413		22854	9	0.06				
23661	ENSG00000252925		22858	7	0.06				
23688	ENSG00000205325		22881	1	0.06				
23694	ENSG00000231693		22884	6	0.06				
23700	ENSG00000256844		22893	5	0.06				
23713	ENSG00000244993		22899	1	0.06				
23718	ENSG00000231741		22905	5	0.06				
23721	ENSG00000206235		22907	0	0.06				
23735	ENSG00000250041		22915	3	0.06				
23738	ENSG00000231811		22918	7	0.06				
23747	ENSG00000253217		22928	7	0.06				
23760	ENSG00000222884		22942	1	0.06				
23768	ENSG00000225295		22948	0	0.06				
23785	ENSG000002088416		22964	2	0.06				
23791	ENSG00000227400		22970	4	0.06				
23795	ENSG00000231317		22975	2	0.06				
23798	ENSG00000254119		22980	1	0.06				
23806	ENSG00000261049		22988	7	0.06				
23817	ENSG00000232981		22992	2	0.06				
23819	ENSG00000207076		22993	8	0.06				
23826	ENSG00000232109		23002	5	0.06				
23831	ENSG00000230347		23004	1	0.06				
23847	ENSG00000224568		23016	2	0.06				
23856	ENSG00000237476		23026	2	0.06				
23858	ENSG00000227488		23027	7	0.06				
23873	ENSG00000237101		23036	3	0.06				
23892	ENSG00000273367		23048	8	0.06				
23893	ENSG00000231839		23049	3	0.06				
23905	ENSG00000271286		23064	0	0.06				
23913	ENSG00000255960		23071	6	0.06				
23918	ENSG00000232588		23076	4	0.06				
23945	ENSG00000243008		23097	4	0.06				
23946	ENSG00000208625		23097	5	0.06				
23948	ENSG00000256018		23102	1	0.06				
23956	ENSG00000259587		23106	1	0.06				
23974	ENSG00000238180		23121	7	0.06				
23981	ENSG00000226844		23125	2	0.06				
23985	ENSG00000208288		23128	5	0.06				
23986	ENSG00000287865		23129	5	0.06				
23987	ENSG00000232393		23130	0	0.06				
23987	ENSG00000201616		23142	2	0.06				
24003	ENSG00000206866		23146	3	0.06				
24014	ENSG00000259481		23160	8	0.06				
24036	ENSG00000239344		23169	8	0.06				
24037	ENSG00000229818		23170	2	0.06				
24059	ENSG00000213963		23188	3	0.06				
24062	ENSG00000228871		23190	3	0.06				
24065	ENSG00000259554		23193	4	0.06				
24069	ENSG00000270344		23198	7	0.06				
24084	ENSG00000251708	3	23210	2	0.06	136351990	136352048	RNA, U7 small nuclear 198 pseudogene	
24099	ENSG00000208301		23245	0	0.06				
24101	ENSG00000251650		23226	6	0.06				
24104	ENSG00000231423		23228	5	0.06				
24109	ENSG000002048200		23236	9	0.06				
24110	ENSG00000227971		23238	2	0.06				
24124	ENSG00000241570		23247	5	0.06				
24126	ENSG00000254710		23248	2	0.06				
24128	ENSG00000226327		23250	1	0.06				
24130	ENSG00000231798		23251	5	0.06				
24133	ENSG000002084529		23256	8	0.06				
24134	ENSG00000231322		23257	3	0.06				
24138	ENSG00000230343		23260	0	0.06				
24150	ENSG00000238198		23265	9	0.06				
24159	ENSG00000223907		23272	2	0.06				
24168	ENSG00000230227		23277	6	0.06				
24167	ENSG00000258146		23287	0	0.06				
24180	ENSG00000219133		23300	8	0.06				
24185	ENSG00000237862		23302	5	0.06				
24192	ENSG00000244113		23311	3	0.06				
24197	ENSG00000224992		23312	8	0.06				
24202	ENSG00000222933		23320	7	0.06				
24204	ENSG00000250326		23321	4	0.06				
24217	ENSG00000221423		23336	6	0.06				
24237	ENSG00000224989		23350	3	0.06				
24244	ENSG00000273218		23357	0	0.06				
24248	ENSG00000258871		23361	0	0.06				
24278	ENSG00000231829		23380	2	0.06				
24282	ENSG00000225794		23383	5	0.06				
24291	ENSG00000255450		23390	2	0.06				
24304	ENSG00000226204		23396	4	0.06				
24308	ENSG00000234797		23400	8	0.06				
24337	ENSG00000231441		23428	3	0.06				
24345	ENSG00000209025		23443	0	0.06				
24346	ENSG00000204951		23445	4	0.06				
24356	ENSG00000237586		23455	8	0.06				
24362	ENSG00000223444		23458	6	0.06				
24366	ENSG00000203315		23462	4	0.06				
24379	ENSG00000230333		23473	6	0.06				
24380	ENSG00000230988		23473	9	0.06				
24387	ENSG00000271715		23477	4	0.06				
24415	ENSG00000200987		23488	5	0.06				
24430	ENSG00000251361		23507	5	0.06				
24454	ENSG00000232923		23526	1	0.06				
24456	ENSG00000213358		23526	7	0.06				
24472	ENSG00000213896		23537	3	0.06				
24475	ENSG00000235115		23540	1	0.06				
24482	ENSG00000241708	17	23545	3	0.06	8450235	8450236	RNA, TSL cytoplasmic 129 pseudogene	
24483	ENSG00000224848		23546	6	0.06				
24488	ENSG00000221473		23551	3	0.06				
24493	ENSG00000253576		23558	7	0.06				
24494	ENSG00000208493		23559	4	0.06				
24505	ENSG00000224603		23564	7	0.06				
24511	ENSG000002048266		23568	8	0.06				
24525	ENSG000002048537		23575	6	0.06				
24545	ENSG00000256651		23586	7	0.06				
24551	ENSG00000248112		23595	0	0.06				
24557	ENSG00000249373		23600	8	0.06				
24573	ENSG00000252000		23612	3	0.06				
24581	ENSG00000205751		23618	2	0.06				
24583	ENSG0000020251227		23619	6	0.06				
24585	ENSG00000205349		23620	7	0.06				
24589	ENSG00000272889		23625	4	0.06				
24642	ENSG00000250158		23675	7	0.06				
24648	ENSG00000205133		23680	9	0.06				
24649	ENSG000002052165		23683	4	0.06				
24653	ENSG00000218483		23688	2	0.06				
24658	ENSG00000239132		23690	8	0.06				
24673	ENSG00000272886	6	23707	0	0.06	76575681	76575783	Small nuclear RNA U13	
24691	ENSG00000253288		23723	5	0.06				
24694	ENSG00000206871		23726	9	0.06				
24704	ENSG00000205841		23738	1	0.06				
24712	ENSG000002087462		23741	9	0.06				
24717	ENSG00000202571		23746	6	0.06				
24725	ENSG00000204791	15	23753	4	0.06	83128128	83145963	chondroitin sulfate proteoglycan 4 pseudogene 10	
24732	ENSG000002489781		23759	5	0.06				
24739	ENSG00000221631		23767	3	0.06				
24742	ENSG00000208995		23768	7	0.06				
24743	ENSG000002081669		23768	8	0.06				
24746	ENSG00000258435		23775	5	0.06				
24762	ENSG000002059471		23784	7	0.06				
24764	ENSG000002084213	19	23785	4	0.06	50900510	50900775	RNA, TSL cytoplasmic 324 pseudogene	
24775	ENSG00000244036		23803	1	0.06				
24791	ENSG00000205924		23814	4	0.06				
24798	ENSG000002028172		23817	2	0.06				
24801	ENSG00000273013		23824	0	0.06				
24805	ENSG00000232385		23825	1	0.06				
24816	ENSG00000256280		23839	7	0.06				
24833	ENSG00000272301		23852	2	0.06				
24844	ENSG00000252326		23867	7	0.06				
24851	ENSG0000021096		23871	3	0.06				
24856	ENSG00000258344		23876	0	0.06				
24863	ENSG00000252445		23880	4	0.06				
24866	ENSG00000225230		23882	8	0.06				

24891	ENSG00000234707		23903.4	0.06					
24892	ENSG00000235198		23903.9	0.06					
24901	ENSG00000233729		23912.9	0.06					
24912	ENSG00000204812		23927	0.06					
24929	ENSG00000224811		23940.7	0.06					
24948	ENSG00000225241		23949.5	0.06					
24947	ENSG00000204724		23949.6	0.06					
24955	ENSG00000205170		23958.6	0.06					
24959	ENSG00000225241		23960.7	0.06					
24961	ENSG00000229915		23961.5	0.06					
24982	ENSG00000273343		23970.7	0.06					
24984	ENSG00000220995		23973.7	0.06					
24985	ENSG00000244541		23977	0.06					
24988	ENSG00000185296		23980	0.06					
24988	ENSG00000229719		23989.3	0.06					
25000	ENSG00000204816		23991.2	0.06					
25006	ENSG00000250284		23996.6	0.06					
25010	ENSG00000220479		24000.4	0.06					
25016	ENSG00000228702		24004.5	0.06					
25016	ENSG00000256157		24005.5	0.06					
25029	ENSG00000213569		24007.9	0.06					
25029	ENSG00000259884		24012.1	0.06					
25030	ENSG00000273309		24012.3	0.06					
25041	ENSG00000205325		24018.2	0.06					
25042	ENSG00000257069		24018.4	0.06					
25051	ENSG00000209084		24024.7	0.06					
25068	ENSG00000227014		24030.7	0.06					
25062	ENSG000002051573		24031.5	0.06					
25070	ENSG00000208287		24037.9	0.06					
25073	ENSG00000237229		24038.8	0.06					
25079	ENSG00000201668		24042.7	0.06					
25081	ENSG00000224290		24044.4	0.06					
25085	ENSG00000254433		24047.4	0.06					
25101	ENSG00000204716		24059	0.06					
25109	ENSG000002042163		24069	0.06					
25117	ENSG00000206819		24077.6	0.06					
25125	ENSG00000271815		24084.4	0.06					
25126	ENSG00000259048		24085	0.06					
25128	ENSG00000205689		24088.8	0.06					
25145	ENSG00000236548		24099.3	0.06					
25161	ENSG00000208907		24120.8	0.06					
25168	ENSG00000209337	9	24123.8	0.06	70646588	70649556			Uncharacterized protein
25176	ENSG000002081227		24136.2	0.06					
25180	ENSG00000235351		24139.9	0.06					
25191	ENSG00000204957		24140.6	0.06					
25196	ENSG00000252529		24150.2	0.06					
25197	ENSG00000239317		24151.2	0.06					
25202	ENSG00000233384		24156	0.06					
25210	ENSG00000203761		24161.1	0.06					
25221	ENSG000002081761		24168.9	0.06					
25244	ENSG000002051696		24183.9	0.06					
25247	ENSG00000271116		24188.2	0.06					
25255	ENSG00000234949		24185.8	0.06					
25256	ENSG00000249484		24186.6	0.06					
25261	ENSG00000207567		24201.2	0.06					
25264	ENSG00000229178		24202.9	0.06					
25273	ENSG00000203421		24210.3	0.06					
25275	ENSG00000209314		24212.5	0.06					
25304	ENSG00000234773		24236.2	0.06					
25321	ENSG00000232032		24250.2	0.06					
25328	ENSG00000204928		24252.4	0.06					
25328	ENSG00000253125		24256	0.06					
25329	ENSG00000209156		24256.1	0.06					
25333	ENSG00000204655		24259.1	0.06					
25343	ENSG00000208785	7	24273.6	0.06	72458478	72464906			Uncharacterized protein
25345	ENSG00000209741		24274.5	0.06					
25366	ENSG00000202099		24285.9	0.06					
25371	ENSG000002068333		24300.1	0.06					
25378	ENSG00000204899		24304.9	0.06					
25395	ENSG00000244139		24320.6	0.06					
25396	ENSG00000208379		24322.1	0.06					
25401	ENSG00000232994		24328.4	0.06					
25403	ENSG00000204858		24328.6	0.06					
25407	ENSG00000257943		24332.1	0.06					
25420	ENSG00000208988		24342.8	0.06					
25421	ENSG00000232272		24343.9	0.06					
25427	ENSG00000253567		24347.9	0.06					
25439	ENSG00000209216		24353.8	0.06					
25447	ENSG00000202107		24361.7	0.06					
25449	ENSG000002051123		24363.3	0.06					
25451	ENSG00000208106		24363.6	0.06					
25452	ENSG00000205781		24363.8	0.06					
25455	ENSG00000272922		24364.9	0.06					
25470	ENSG00000217004		24381.1	0.06					
25482	ENSG00000232370		24389.7	0.06					
25500	ENSG00000205571	5	24402.6	0.06	69370673	69370944			RNA, 7SL, cytoplasmic 9, pseudogene
25506	ENSG00000273474		24405.8	0.06					
25511	ENSG00000209215		24408.9	0.06					
25521	ENSG00000272256		24417	0.06					
25522	ENSG00000229973		24417.6	0.06					
25548	ENSG00000204962		24432.3	0.06					
25564	ENSG00000205893		24440.5	0.06					
25589	ENSG00000237139		24454.4	0.06					
25638	ENSG00000209593		24509.6	0.06					
25644	ENSG00000209593	15	24513	0.06	40899410	40899510			Small nuclear RNA U13
25645	ENSG00000206253		24513.7	0.06					
25647	ENSG00000232050		24514.6	0.06					
25653	ENSG00000232922		24520.2	0.06					
25667	ENSG00000183657		24532.4	0.06					
25672	ENSG00000217017		24537	0.06					
25674	ENSG00000211133		24538.6	0.06					
25683	ENSG00000208866		24549	0.06					
25706	ENSG0000027368		24565.3	0.06					
25708	ENSG00000210962		24565.4	0.06					
25729	ENSG000002088425		24582.7	0.06					
25732	ENSG00000184411		24585	0.06					
25760	ENSG00000205381		24596.5	0.06					
25758	ENSG00000256360		24606.6	0.06					
25786	ENSG000002081360		24610.7	0.06					
25778	ENSG00000232628		24617.5	0.06					
25787	ENSG00000259736		24630.7	0.06					
25790	ENSG00000290410		24634.4	0.06					
25791	ENSG00000205462		24634.6	0.06					
25792	ENSG00000228445		24636.5	0.06					
25795	ENSG000002049306		24638	0.06					
25802	ENSG00000232839		24642.8	0.06					
25807	ENSG00000232028		24648	0.06					
25808	ENSG00000204903		24648	0.06					
25825	ENSG00000271308		24652.8	0.06					
25826	ENSG00000227192		24662.9	0.06					
25833	ENSG00000272370		24671.2	0.06					
25844	ENSG00000233985		24684.3	0.06					
25858	ENSG00000259993		24689.4	0.06					
25876	ENSG00000208739		24700.6	0.06					
25883	ENSG0000027008		24707.7	0.06					
25888	ENSG00000209789		24711.7	0.06					
25890	ENSG00000204048		24713.8	0.06					
25891	ENSG00000204446		24715.6	0.06					
25915	ENSG00000205279		24733.4	0.06					
25924	ENSG00000223949		24738.9	0.06					
25931	ENSG00000178412		24742.2	0.06					
25961	ENSG00000271244		24771.5	0.06					
25970	ENSG00000273151		24773	0.06					
25976	ENSG00000258159		24776.1	0.06					
25986	ENSG000002051811		24785.3	0.06					
26008	ENSG00000234019		24804.2	0.06					
26010	ENSG00000209396		24807.5	0.06					
26014	ENSG00000205129		24811.9	0.06					
26023	ENSG00000206366	22	24819.9	0.06	21309449	21309714			RNA, 7SL, cytoplasmic 389, pseudogene
26030	ENSG00000270706		24829.3	0.06					
26039	ENSG00000204249		24831.4	0.06					
26051	ENSG00000257272		24847.8	0.06					
26052	ENSG00000228413		24847.8	0.06					
26078	ENSG00000205907		24866.3	0.06					
26091	ENSG00000236581		24878.9	0.06					
26150	ENSG000002051533		24924.1	0.06					
26178	ENSG00000202094		24946.1	0.06					
26186	ENSG000002028247		24962.8	0.06					
26189	ENSG00000228729		24964	0.06					
26217	ENSG00000180458		24986.8	0.06					
26226	ENSG00000257350		24991.7	0.06					

26416	ENSG00000203047	25150	7	0.05	misc_RNA	11	100710361	100710677	RNA 75k small nuclear pseudogene 115
26475	ENSG00000211774	25525	15	0.05	misc_RNA	15	695621938	695621937	RNA 75k cytoplasmic 438 pseudogene
26608	ENSG00000244596	25205	8	0.05	misc_RNA	15	84948770	84949050	RNA 75k cytoplasmic 417 pseudogene
26616	ENSG00000202743	25336	7	0.05	misc_RNA	16	228553	228555	Y RNA
26802	ENSG00000202947	25607	0.05	misc_RNA	2	201762287	201762334	RNA 75k cytoplasmic 684 pseudogene	
26976	ENSG00000202565	25036	6	0.05	misc_RNA	6	47576386	47576385	RNA 75k cytoplasmic 652 pseudogene
26979	ENSG00000200754	25639	5	0.05	misc_RNA	21	18995458	18995655	Y RNA
27010	ENSG00000204993	25670	1	0.05	misc_RNA	12	19329225	19329263	RNA 75k cytoplasmic 459 pseudogene
27215	ENSG00000202728	25383	7	0.05	misc_RNA	17	57338307	57338307	Y RNA
6358	ENSG0000197582	9144	0.05	processed_pseudogene	X	13398854	13397459	glutathione peroxidase pseudogene 1	
10103	ENSG00002024861	12429	0.05	processed_pseudogene	14	68475546	68480507	1 box binding protein 1 pseudogene 1	
10333	ENSG00000196265	12683	0.05	processed_pseudogene	17	84989919	84989919	ribosomal protein S14 pseudogene 19	
10238	ENSG00000203748	12538	0.05	processed_pseudogene	X	56783875	56784010	ubiquitin-cytochrome c nuclear binding protein pseudogene 1	
10288	ENSG00000203030	12571	2	0.05	processed_pseudogene	16	26042890	26044132	high mobility group nucleosomal binding domain 2 pseudogene 3
10333	ENSG00000196265	12683	0.05	processed_pseudogene	17	84989919	84989919	eukaryotic translation elongation factor 1 alpha 1 pseudogene 5	
11339	ENSG00000204497	13429	7	0.05	processed_pseudogene	17	560034	560037	ribosomal protein S1X pseudogene 17
12916	ENSG00000213333	14681	6	0.05	processed_pseudogene	4	14626695	14626705	riboulin 3 pseudogene 1
14483	ENSG00000211931	15992	2	0.05	processed_pseudogene	5	2566192	2566192	protein pseudogene 1
16878	ENSG00000182351	17681	1	0.05	processed_pseudogene	22	25108259	25108489	cysteine-rich protein 1 (testinal) pseudogene 4
17925	ENSG00000215199	18435	4	0.05	processed_pseudogene	9	34922181	34922918	lysine 3-monooxygenase/tyrosinase 5-monooxygenase activation protein, zeta pseudogene 6
20699	ENSG000002051496	20211	1	0.05	processed_pseudogene	5	81305421	81305511	peptidylarginyl isomerase A (cydophilin A) pseudogene 11
21113	ENSG00000228763	20676	8	0.05	processed_pseudogene	9	110725984	110726236	ribosomal protein S15a pseudogene 27
21295	ENSG00000202333	20999	9	0.05	processed_pseudogene	20	17407488	17407692	ribosomal protein S27A pseudogene 2
21339	ENSG000002050045	21661	3	0.05	processed_pseudogene	5	112113327	112113858	chromobox homolog 3 pseudogene 3
21352	ENSG00000208741	21072	4	0.05	processed_pseudogene	19	9885173	9885356	ubiquitin-conjugating enzyme E2L 4
21359	ENSG00000202592	21077	4	0.05	processed_pseudogene	21	16148925	16147883	glycylaldehyde-3-phosphate dehydrogenase pseudogene 16
21709	ENSG00000213448	21861	5	0.05	processed_pseudogene	4	138369241	138369555	ribosomal protein S23 pseudogene 2
21729	ENSG00000202168	21880	5	0.05	processed_pseudogene	3	39378470	39377430	heterogeneous nuclear ribonucleoprotein A1 pseudogene 21
21881	ENSG00000202539	21520	5	0.05	processed_pseudogene	5	902884	902884	ribosomal protein S41 pseudogene 19
21921	ENSG000002050539	21530	5	0.05	processed_pseudogene	5	122736516	122736338	keratin 8 pseudogene 33
22046	ENSG00000202423	21633	9	0.05	processed_pseudogene	10	86150964	86151801	transportin 1 pseudogene 1
22091	ENSG00000204643	21710	4	0.05	processed_pseudogene	14	3115553	3115553	ubiquitin-conjugating enzyme E2C pseudogene 1
22163	ENSG00000206062	21700	4	0.05	processed_pseudogene	15	69545887	69547277	high mobility group nucleosomal binding domain 2 pseudogene 40
22167	ENSG00000203307	21702	9	0.05	processed_pseudogene	2	110484713	110485100	ribosomal protein L22 pseudogene 11
22315	ENSG000002026421	21810	3	0.05	processed_pseudogene	7	32511125	32512021	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 pseudogene 5
22319	ENSG000002045649	21812	9	0.05	processed_pseudogene	4	38008425	38008728	mitochondrial ribosomal protein S33 pseudogene 2
22340	ENSG00000202523	21823	4	0.05	processed_pseudogene	2	50187801	50187801	ribosomal protein L7 pseudogene 2
22475	ENSG00000212929	21922	4	0.05	processed_pseudogene	9	9050876	90509111	ribosomal protein S26 pseudogene 3
22540	ENSG000002038089	21875	8	0.05	processed_pseudogene	2	157834218	157834884	ribosomal protein, large, P0 pseudogene 7
22540	ENSG000002038089	21875	8	0.05	processed_pseudogene	2	157834218	157834884	ribosomal protein, large, P0 pseudogene 7
22813	ENSG00000203389	22197	2	0.05	processed_pseudogene	6	74032590	74033173	heterogeneous nuclear ribonucleoprotein C pseudogene 1
22869	ENSG000002047570	22236	5	0.05	processed_pseudogene	8	70855183	70856883	synedean binding protein (syntrin) pseudogene 2
22884	ENSG000002025294	22252	3	0.05	processed_pseudogene	1	27312386	27312381	digoxinacetyltransferase complex subunit pseudogene 2
22911	ENSG000002041451	22263	0.05	processed_pseudogene	6	8768381	8768381	ribosomal protein L7 pseudogene 29	
23117	ENSG00000186039	22438	1	0.05	processed_pseudogene	19	34534445	34534421	ribosomal protein S4X pseudogene 21
23117	ENSG00000186039	22438	1	0.05	processed_pseudogene	19	34534445	34534421	ribosomal protein S4X pseudogene 21
23291	ENSG00000204291	22471	3	0.05	processed_pseudogene	19	21416137	21416444	ribosomal protein L30a pseudogene 51
23384	ENSG00000203444	22342	2	0.05	processed_pseudogene	2	234631068	234631115	ribosomal protein L12 pseudogene 11
23384	ENSG00000204000	22840	4	0.05	processed_pseudogene	3	37185003	37185449	ubiquitin-conjugating enzyme E2F (mutase) pseudogene 1
23453	ENSG00000202805	22096	3	0.05	processed_pseudogene	6	70802622	70803088	ribosomal protein L17c pseudogene 15
23456	ENSG00000202631	22033	1	0.05	processed_pseudogene	3	69433319	69433319	barrier to autophagy factor 1 pseudogene 1
23489	ENSG00000213026	22722	1	0.05	processed_pseudogene	1	242156487	242156487	collin 1 (non-muscle) pseudogene 4
23508	ENSG00000219807	22734	1	0.05	processed_pseudogene	7	84463216	84463799	ADP-ribosylation factor 1 pseudogene 1
23514	ENSG00000202936	22734	1	0.05	processed_pseudogene	7	36561222	36561222	heat shock 60kDa protein 1 (chaperonin) pseudogene 9
23699	ENSG00000207022	22850	8	0.05	processed_pseudogene	10	43050888	43051172	FXYD domain containing ion transport regulator 6 pseudogene 1
23816	ENSG00000202047	22992	7	0.05	processed_pseudogene	5	14980431	14981102	selenophosphate synthetase 2 pseudogene 1
24086	ENSG00000204869	23224	3	0.05	processed_pseudogene	5	5896913	5896913	serpin pseudogene 1
24224	ENSG000002051483	23348	8	0.05	processed_pseudogene	4	111866265	111866265	lysophospholipase A pseudogene 2
24295	ENSG00000205826	23388	4	0.05	processed_pseudogene	14	68119317	68119331	cytochrome c oxidase subunit VIIa polypeptide 2 (liver) pseudogene 1
24296	ENSG00000213426	23384	5	0.05	processed_pseudogene	14	106138465	106138465	ELAC1, member 5, oncogene family, pseudogene
24372	ENSG000002048418	23467	4	0.05	processed_pseudogene	5	29600783	29600975	ubiquitin-like 5 pseudogene 1
24375	ENSG00000202325	23468	9	0.05	processed_pseudogene	10	35164138	35164350	synovial sarcoma translocation gene on chromosome 18-like 2 pseudogene 1
24412	ENSG00000205112	23498	5	0.05	processed_pseudogene	10	59321711	59321761	DnaJ (Hsp40) homolog, family A, member 1 pseudogene 1
24432	ENSG00000214760	23569	7	0.05	processed_pseudogene	12	122849327	122850176	ribosomal protein L21 pseudogene 1
24467	ENSG00000205822	23534	6	0.05	processed_pseudogene	19	35917074	35917494	eukaryotic translation elongation factor 1 alpha 1 pseudogene 7
24491	ENSG00000205009	23622	1	0.05	processed_pseudogene	19	49748729	49749359	solid cancer family 1, member 21 pseudogene 1
24628	ENSG00000204370	23668	0.05	processed_pseudogene	14	37046748	37047210	ribosomal protein L20 pseudogene 3	
24687	ENSG00000202712	23688	2	0.05	processed_pseudogene	1	148574653	148575051	profilin 1 pseudogene 7
24708	ENSG00000203768	23718	2	0.05	processed_pseudogene	3	18323120	18323120	ribosomal protein L7 pseudogene 8
24765	ENSG00000215357	23790	4	0.05	processed_pseudogene	13	7842336	78423543	heat shock 60kDa protein 1 (chaperonin) pseudogene 8
24808	ENSG00000202893	23833	7	0.05	processed_pseudogene	10	57427101	57428110	glyceraldehyde 3 phosphate dehydrogenase pseudogene 21
24975	ENSG00000204588	24008	1	0.05	processed_pseudogene	11	5800387	5800387	eukaryotic translation initiation factor 4B2 pseudogene 3
25023	ENSG00000204267	24008	1	0.05	processed_pseudogene	17	46768478	46769056	ribosomal protein L9 pseudogene 28
25116	ENSG00000204367	24079	4	0.05	processed_pseudogene	1	148349256	148349256	profilin 1 pseudogene 5
25140	ENSG00000202929	24087	0.05	processed_pseudogene	14	1300329	1300329	Rai1, nuclear core protein, pseudogene 1	
25299	ENSG00000205896	24234	9	0.05	processed_pseudogene	10	50069712	50069720	ras homology family member Q pseudogene 15
25326	ENSG000002031888	24255	3	0.05	processed_pseudogene	3	176728607	176728605	MT-ND5 pseudogene 10
25380	ENSG00000203558	24415	1	0.05	processed_pseudogene	5	50481761	50481761	MT-ND2 pseudogene 23
25408	ENSG00000176857	24332	3	0.05	processed_pseudogene	5	108387013	108388158	gap junction protein, alpha 1, 43kDa pseudogene 1
25492	ENSG000002027969	24397	3	0.05	processed_pseudogene	13	68449008	68449699	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 22
25523	ENSG00000203793	24428	13	0.05	processed_pseudogene	13	4628119	4628119	arbo-kash nuclear lamina 1, member 11 pseudogene 4
25596	ENSG00000213563	24471	3	0.05	processed_pseudogene	1	169907015	169908101	ribosomal protein L20 pseudogene 7
26261	ENSG00000205252	24488	4	0.05	processed_pseudogene	5	165455572	165455516	ribosomal protein L20 pseudogene 20
26262	ENSG00000216538	24499	2	0.05	processed_pseudogene	X	26714143	26716072	ribosomal protein L7 pseudogene 58
26448	ENSG00000205024	24517	2	0.05	processed_pseudogene	16	12952300	12952300	ribosomal protein L5 pseudogene 4
26479	ENSG00000213013	24546	1	0.05	processed_pseudogene	19	58727546	58727927	ribosomal protein S15a pseudogene 36
26590	ENSG00000202814	24552	4	0.05	processed_pseudogene	A	69117756	69117756	Gpre-like 2, mitochondrial (E. coli) pseudogene 2
26590	ENSG00000202814	24552	4	0.05	processed_pseudogene	A	69117756	69117756	REST, co-repressor, nuclear protein pseudogene 1
26590	ENSG00000202814	24552	4	0.05	processed_pseudogene	A	69117756	69117756	keratin 8 pseudogene 47
26590	ENSG00000202814	24552	4	0.05	processed_pseudogene	A	69117756	69117756	keratin 8 pseudogene 47
26601	ENSG000002037642	24600	6	0.05	processed_pseudogene	10	112216897	112216898	high mobility group box 3 pseudogene 5
26601	ENSG000002037642	24600	6	0.05	processed_pseudogene	10	112216897	112216898	high mobility group box 3 pseudogene 5
26610	ENSG00000202978	24687	3	0.05	processed_pseudogene	7	172717700	172718442	solute carrier family 25, member 38 pseudogene 1
26104	ENSG000002037437	24687	3	0.05	processed_pseudogene	9	32849720	32849720	argininosuccinate synthetase 1 pseudogene 12
26121	ENSG000002037362	24690	7	0.05	processed_pseudogene	17	18216074	18216087</	

9728	ENSG00000136860	STGALNAC4	12129.9	0.05	protein_coding	9	130670165	130670317	ST6 (alpha-N-acetylneuraminy-2,3-bisect-galactosyl-1,3)-N-acetylglucosaminase alpha 2,6-
9729	ENSG00000122121	XPNPPE2	12291.8	0.05	protein_coding	X	128972260	128903514	Xenopus aminopeptidase (aminopeptidase P) 2, membrane bound
9961	ENSG00000135144	DTX1	12304.4	0.05	protein_coding	12	113484514	113353334	deltaex homolog 1 (Drosophila)
10040	ENSG00000168583	SMN2	12378.5	0.05	protein_coding	4	38647390	38647401	small integral membrane protein 14
10146	ENSG00000141414	NIK7	12451.4	0.05	protein_coding	2	19812953	19821150	NIMA related kinase 7
10299	ENSG00000174296	EED	12575.5	0.05	protein_coding	11	85955585	85958855	embryonic ectoderm development
10370	ENSG00000157600	TMEM64	12624	0.05	protein_coding	A	10624989	106425862	transmembrane protein 104
10438	ENSG00000163393	SK-CM44	12645.4	0.05	protein_coding	3	31848623	31848623	soluble carrier family 4, member 4
10534	ENSG00000103327	STAB1	12760.4	0.05	protein_coding	3	52595514	52595514	stabilin 1
10586	ENSG00000139154	ABP2	12796	0.05	protein_coding	12	18569979	18613735	AE binding protein 2
10686	ENSG00000157423	SUGT3	12834.4	0.05	protein_coding	19	89820969	89847420	suflin domain containing 3
10688	ENSG00000165502	RP136AL	12864	0.05	protein_coding	14	50085237	50087403	ribosomal protein L36A-like
10699	ENSG00000172340	SUCLG2	12888.5	0.05	protein_coding	3	61410884	61707038	succinate-CoA ligase, GDP-forming, beta subunit
10715	ENSG00000150124	CD22	12913	0.05	protein_coding	19	35210764	35210764	CD22 molecule
10757	ENSG00000127831	VILI	12950.5	0.05	protein_coding	2	21503815	21503815	villin 1
10760	ENSG00000117179	CLIC1	12990	0.05	protein_coding	6	31688358	31707340	chloride intracellular channel 1
10802	ENSG00000118818	CCR1	12997.6	0.05	protein_coding	4	77997531	77997531	chemokine receptor 1
10892	ENSG00000166289	PLEKHF1	13059.6	0.05	protein_coding	19	30155963	30136364	pleckstrin homology domain containing, family F (with FYVE domain) member 1
10924	ENSG000002043749	ZMYM8	13090.6	0.05	protein_coding	1	35441736	35450054	ZMYM8 neighbor
10988	ENSG00000151568	ZNF173	13098.9	0.05	protein_coding	1	13989126	13989126	transmembrane protein 173
11025	ENSG00000177683	THAP5	13163.5	0.05	protein_coding	7	108194987	108201194	THAP domain containing 5
11150	ENSG00000118971	CND2	13284	0.05	protein_coding	12	4382938	4414516	cyclin D2
11220	ENSG00000109905	BLRKA	13322.6	0.05	protein_coding	7	11373279	43834958	biliverdin reductase A
11246	ENSG00000136003	ISCU	13341.1	0.05	protein_coding	12	10895358	108983160	iron-sulfur cluster assembly enzyme
11346	ENSG00000139888	DARC	13437.1	0.05	protein_coding	1	15871397	158717296	Duffy blood group, atypical chemokine receptor
11360	ENSG00000106760	PRCA	13447.1	0.05	protein_coding	1	49380278	49405031	resolving homology member A
11400	ENSG00000077548	CAPZB	13487.2	0.05	protein_coding	1	19865287	19812606	capping protein (actin filament) muscle 2-line, beta
11438	ENSG00000109103	UNC119	13520.8	0.05	protein_coding	17	28873725	28876988	unc-119 homolog (C. elegans)
11488	ENSG00000104305	CASP3	13529.9	0.05	protein_coding	1	18524868	18524868	caseinase 3, apoptosis-related cysteine peptidase
11514	ENSG00000085978	YBX1	13587.9	0.05	protein_coding	1	43148058	43188020	Y box binding protein 1
11520	ENSG00000116044	NFE2L3	13592.4	0.05	protein_coding	2	17808233	17825725	nuclear factor, erythroid 2-like 2
11575	ENSG00000102045	MYO17	13623.6	0.05	protein_coding	22	8621737	8621737	myosin, heavy chain 3, non-muscle
11591	ENSG00000135439	AGAP2	13624.2	0.05	protein_coding	12	59118990	59135540	ARF-GAP with GTPase domain, arylsulfatase and PH domain 2
11672	ENSG00000198837	DENND4B	13718.7	0.05	protein_coding	1	153991977	153919172	DENND4B domain containing 4B
11682	ENSG00000104538	SRB1	14140.2	0.05	protein_coding	1	49913748	50737478	SRB domain containing protein 1
11773	ENSG00000233118	ERPL4	13811.3	0.05	protein_coding	9	102741461	102881322	endoplasmic reticulum protein 44
11817	ENSG00000198478	SH3BP2	13840.6	0.05	protein_coding	6	80341000	80413372	SH3 domain binding glutamic acid-rich protein like 2
12111	ENSG00000109515	EBF3	14410.5	0.05	protein_coding	1	344405	4304365	enhancer binding factor 3 like
12150	ENSG00000185507	RFX7	14491.1	0.05	protein_coding	11	612553	615999	interferon regulatory factor 7
12172	ENSG00000138104	RNASEH2B	14404.1	0.05	protein_coding	13	51483814	51484592	ribonuclease H2, subunit B
12288	ENSG00000102581	FDA5L	14518.2	0.05	protein_coding	11	11173000	11173000	ferredoxin-like oxidoreductase domain containing 1
12297	ENSG00000198992	PXK5	14502.6	0.05	protein_coding	9	38833272	37934103	painted box 5
12496	ENSG00000256229	ZNF486	14452.1	0.05	protein_coding	19	20278037	20311299	zinc finger protein 486
12516	ENSG00000059661	TRIM9	14473	0.05	protein_coding	17	4444458	4445273	integrin, alpha 28 (platelet glycoprotein IIb or IIIa) complex, antigen CD61)
12670	ENSG00000104188	TMEM50B	14480.9	0.05	protein_coding	3	34848745	34852192	transmembrane protein 50B
12841	ENSG00000099337	KCNKB2	14811.2	0.05	protein_coding	19	38810484	38819660	potassium channel, subunit K, member 6
12844	ENSG00000134882	UBAC2	14817	0.05	protein_coding	13	98653028	10003868	UBA domain containing 2
12963	ENSG00000048928	FAM120A	14742.6	0.05	protein_coding	13	96214004	96017927	family with sequence similarity 120A
13221	ENSG00000133193	FAM104	14891.2	0.05	protein_coding	17	17120462	17123892	family with sequence similarity 104, member A
13283	ENSG00000128099	UPY1	14859.9	0.05	protein_coding	13	38923999	38921140	ubiquitin-like modifier 1
13338	ENSG00000108115	CYTH2	14891.2	0.05	protein_coding	12	18980893	18980893	cytochrome P450, family 4, subfamily F, polypeptide 2
13375	ENSG00000109133	TMEM33	15005	0.05	protein_coding	4	41937137	41982289	transmembrane protein 33
13588	ENSG00000182010	RTRN2	15142.2	0.05	protein_coding	10	63942794	64028466	retinoid X receptor 2
13637	ENSG00000198873	PKNOX1	15199.9	0.05	protein_coding	13	120961711	121215137	G protein coupled receptor kinase 5
13761	ENSG00000183023	SLC8A1	15294.8	0.05	protein_coding	2	40234410	40238193	solute carrier family 8 (sodium/calcium exchanger), member 1
13812	ENSG00000118704	SLC35D1	15328.9	0.05	protein_coding	1	61460515	61709192	solute carrier family 35 (UDP-GlcUDP-GalNAc transporter), member D1
13833	ENSG00000103785	PAGE2	15324.3	0.05	protein_coding	15	120415569	120415569	phosphotransferase 2, AMP-specific
13855	ENSG00000151846	PABPC3	15365.3	0.05	protein_coding	10	29670300	29673789	poly(A) binding protein, cytoplasmic 3
13944	ENSG00000160741	CRTC2	15434.1	0.05	protein_coding	1	15369101	15369101	CREB regulated transcription coactivator 2
14008	ENSG00000106165	CEP350	15495.2	0.05	protein_coding	23	20819545	20819545	microtubule interacting protein 3
14030	ENSG00000188178	HEPACAM2	15495.2	0.05	protein_coding	7	92817899	92858337	HEPACAM family member 2
14051	ENSG00000168841	CYP2C19	15541.6	0.05	protein_coding	10	96447911	96513014	cytochrome P450, family 2, subfamily C, polypeptide 19
14104	ENSG00000105110	HIG1	15591.3	0.05	protein_coding	1	97132603	97132603	heparanase 1
14127	ENSG00000168971	TRIM56	15548.8	0.05	protein_coding	7	100728720	100730517	tripartite motif containing 56
14128	ENSG00000180574	C12orf127	15590.7	0.05	protein_coding	12	10658201	106701734	Putative eukaryotic translation initiation factor 2 subunit 3-like protein
14203	ENSG00000113301	ARHGAP10	15699.9	0.05	protein_coding	10	89913998	89913998	Rho GTPase activating protein 10
14678	ENSG00000119306	RAB14	15869.4	0.05	protein_coding	9	123940415	123985292	RAB14, member RAS oncogene family
14744	ENSG00000098654	THUMP1	16038.9	0.05	protein_coding	16	20744986	20753406	THUMP domain containing 1
14790	ENSG00000117500	TMEM23	16039.9	0.05	protein_coding	18	60719848	60813038	transmembrane protein 23
14828	ENSG00000154983	TMEM55	16102.7	0.05	protein_coding	8	12524231	12538433	transmembrane protein 55
14919	ENSG00000121330	AGO19	16178.1	0.05	protein_coding	X	23720370	23784592	argonaute 19
14963	ENSG00000105028	TMEM182	16218.9	0.05	protein_coding	11	11336786	11336786	transmembrane protein 182
15003	ENSG00000109961	ATP2B1	16258.1	0.05	protein_coding	12	89981828	90103077	ATPase, Ca++ transporting, plasma membrane 1
15028	ENSG00000188045	HNRNP1H	16321.2	0.05	protein_coding	5	179041179	179087710	heterogeneous nuclear ribonucleoprotein H1 (H)
15079	ENSG00000102980	ADP-ATF1	16328	0.05	protein_coding	18	13685088	13685088	ADP-transporter factor-like 5A
15104	ENSG00000122122	TSPD	16330.6	0.05	protein_coding	6	41010253	41010253	translocator protein 2
15141	ENSG00000209839	IFM1	16366.2	0.05	protein_coding	6	155578643	155629387	transcription factor B1, mitochondrial
15168	ENSG00000185378	TRF8B	16385.8	0.05	protein_coding	17	67068184	67068184	helix repeat and BTB (POZ) domain containing 8
15229	ENSG00000178971	GALNT1	16431.7	0.05	protein_coding	17	6130191	6151382	CTS16 domain containing complex component 1
15238	ENSG00000109588	CANT17	16436.6	0.05	protein_coding	4	174089004	174245181	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetylglucosaminyltransferase 7 (GalNAcT7)
15244	ENSG00000213963	AP1G2	16444.3	0.05	protein_coding	14	24028774	24037279	adaptor-related protein complex 1, gamma 2 subunit
15346	ENSG00000159958	TNFRSF13C	16508.3	0.05	protein_coding	22	42321045	42322822	tumor necrosis factor receptor superfamily, member 13C
15448	ENSG00000095574	ZFP3	16586.8	0.05	protein_coding	10	124750262	124780133	IKAROS family zinc finger 3 (Pegasus)
15478	ENSG00000109911	PKNOX2	16592	0.05	protein_coding	7	151251810	151251810	protein kinase, AMP-activated, gamma 2 non-catalytic subunit
15510	ENSG00000174236	REP15	16628.7	0.05	protein_coding	12	27849428	27850566	RAB15 effector protein
15515	ENSG00000114405	ATAD1	16636.1	0.05	protein_coding	13	188697897	18887016	ATAD1, DNA, ATP-dependent
15531	ENSG00000200705	TATDN3	16632.9	0.05	protein_coding	2	21286170	21286998	TAD DNA domain containing 3
15540	ENSG00000104123	UFPL1	16663.2	0.05	protein_coding	6	96969471	97003152	UFM1-specific ligase 1
15546	ENSG00000157500	APPL1	16669.6	0.05	protein_coding	3	91261766	91261766	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1
15569	ENSG00000143438	SK-CM49	16687.9	0.05	protein_coding	3	12037916	12037916	soluble carrier family 6 (neutral amino acid transporter), member 19
15582	ENSG00000168214	RPJ1	16688.9	0.05	protein_coding	4	26185077	26436541	recombination signal binding protein for immunoglobulin kappa J region
15775	ENSG00000104081	BMF	16836.5	0.05	protein_coding	10	40380891	40401083	BCL2 modifying factor
15886	ENSG00000110981	PITRM1	16922.6	0.05	protein_coding	15	97259229	97259229	phosphatidylinositol transfer protein, membrane-associated 1
15889	ENSG00000131873	CHSY1	16943	0.05	protein_coding	15			

1838	ENSG00000148372	TLK2	18754	0.05	protein_coding	17	60536079	60692842	lousied-like kinase 2
1840	ENSG00000199661	SCOR1L1	18759	0.05	protein_coding	10	52084623	52084623	scorpion synthase 1
1858	ENSG00000137448	TMPRSS34	18904	0.05	protein_coding	11	117947753	117992005	transmembrane protease, serine 4
18623	ENSG00000179152	TCAM1	18944	0.05	protein_coding	3	44379611	44450943	T cell activation inhibitor, mitochondrial
1874	ENSG00000194313	TRIP11	18964	0.05	protein_coding	8	120743015	120845103	TAZF RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa
18824	ENSG00000192692	SYN1	19111	0.05	protein_coding	21	24037059	24103589	synaptobrevin 1
18982	ENSG00000104517	UBR5	19254	0.05	protein_coding	8	10326240	103425069	ubiquitin protein ligase E3 component n-recognin 5
19031	ENSG00000185463	UBR3	19261	0.05	protein_coding	13	8651851	2952791	ubiquitin-protein ligase E3 component n-recognin 3
19071	ENSG00000152495	ZNF443	19268	0.05	protein_coding	11	9481866	9520371	zinc finger protein 143
19072	ENSG00000168213	FBLP1	19269	0.05	protein_coding	1	78469740	78444794	far upstream element (FUSE) binding protein 1
19133	ENSG00000186531	TAF10	19269	0.05	protein_coding	11	6627529	6543388	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa
19134	ENSG00000152495	ASB3	19269	0.05	protein_coding	8	10068700	101263248	activating transcription factor 1 complex subunit 3
19234	ENSG00000115986	ATF2	19449	0.05	protein_coding	2	17598979	17603310	activating transcription factor 2
19363	ENSG000000305102	MEDK1	19538	0.05	protein_coding	17	4171779	4173932	mesenchymal homeobox 1
19403	ENSG00000107766	ZNF83	19569	0.05	protein_coding	19	5206133	52103749	zinc finger protein 83
19525	ENSG00000169829	RDP5	19658	0.05	protein_coding	2	113172669	113120265	RANBP2-like and GRP domain containing 8
19587	ENSG00000039970	TAF12	19705	0.05	protein_coding	6	4112824	4113026	triggering receptor expressed on myeloid cells 2
19815	ENSG00000183474	GTF2H2C	19724	0.05	protein_coding	5	6881695	6892050	general transcription factor IIH, polypeptide 2C
19823	ENSG00000134452	FBOX18	19730	0.05	protein_coding	10	5631535	5695566	F-box protein, helicase, 18
19826	ENSG00000151233	GXYLT1	19734	0.05	protein_coding	12	4247947	4253881	glucosyl xylosyltransferase 1
19827	ENSG00000129492	SGS1	19734	0.05	protein_coding	19	2022119	2022119	serine acyl transferase 1
19868	ENSG00000094841	UPRT	19766	0.05	protein_coding	20	7449320	7442435	uracil phosphoribosyltransferase (FUR1) homolog (S. cerevisiae)
19702	ENSG00000025988	ELMO2	19790	0.05	protein_coding	20	4499488	4506170	engulfment and cell motility 2
19706	ENSG00000102400	TRAPP2	19791	0.05	protein_coding	14	3961705	3961976	trafficking protein particle complex 6B
19732	ENSG00000140464	RML	19821	0.05	protein_coding	15	7428704	7434015	promyelocytic leukemia
19735	ENSG00000049818	ARD1B	19837	0.05	protein_coding	6	15709963	15731913	AT rich interactive domain 1B (SWI1-like)
19776	ENSG00000109166	CDC24	19848	0.05	protein_coding	11	11888652	11888651	coiled-coil domain containing 84
19846	ENSG00000112031	MTRF1L	19867	0.05	protein_coding	6	15338260	15332820	mitochondrial transitional release factor 1-like
19884	ENSG00000158076	CDC27	19936	0.05	protein_coding	10	32852297	33171802	Homo sapiens coiled-coil domain containing 7 (CDC27), transcript variant 5, mRNA
19940	ENSG00000186003	NCR3	20018	0.05	protein_coding	8	8602608	8602608	protein tyrosine kinase receptor type, II
19986	ENSG00000137200	CMTR1	20018	0.05	protein_coding	6	3740055	3745003	cap methyltransferase 1
20182	ENSG00000130119	GNL3L	20168	0.05	protein_coding	X	5455864	5458780	guanine nucleotide binding protein-like 3 (nucleolar) like
20189	ENSG00000102031	TRAF1	20171	0.05	protein_coding	8	5668196	5671074	protein tyrosine kinase receptor type, III
20228	ENSG00000182903	ZNF721	20208	0.05	protein_coding	4	419804	420245	zinc finger protein 721
20359	ENSG00000166035	LPC	20312	0.05	protein_coding	15	5870278	5881151	lipase, hepatic
20378	ENSG00000126524	TBC1D20	20312	0.05	protein_coding	18	4832805	4832805	TBC1 domain member 23
20578	ENSG00000114439	BBX	20488	0.05	protein_coding	3	10724783	10730171	bobby sox homolog (Drosophila)
20636	ENSG00000107807	TLX1	20524	0.05	protein_coding	10	10289252	10289745	T cell leukemia homeobox 1
20659	ENSG00000102919	NOL10P17	20545	0.05	protein_coding	2	2348525	2348525	NADH dehydrogenase (ubiquinone) complex I, assembly factor 7
20721	ENSG00000117020	AKT3	20583	0.05	protein_coding	1	24365153	244014391	v-akt murine thymoma viral oncogene homolog 3
20734	ENSG00000158411	PSMA8	20588	0.05	protein_coding	18	2371381	2377319	proteasome (prosome, macropain) subunit, alpha type, 8
20754	ENSG00000109515	MAP3K8	20593	0.05	protein_coding	18	7488106	7488106	mitogen-activated protein kinase kinase kinase 8
20762	ENSG00000113999	MEF2B-N-MEF2B	20621	0.05	protein_coding	19	19256377	19303400	myocyte enhancer factor 2B
20848	ENSG00000169899	C16orf40	20633	0.05	protein_coding	15	8367153	8388033	chromosome 15 open reading frame 40
20859	ENSG00000124370	NCEB2	20633	0.05	protein_coding	12	1732684	17357269	myelinophilin COA epimerase
19879	ENSG00000105162	MPH3SP9	20703	0.05	protein_coding	6	1238368	12376891	RNA-binding phosphoprotein 9
20885	ENSG00000232653	GOLGA1N	20719	0.05	protein_coding	5	3288567	3289679	golgin A1, member N
20900	ENSG00000186571	PPF8	20720	0.05	protein_coding	X	5489394	5502467	6-phosphotransferase 2-keloid-like phosphatase 1
20920	ENSG00000153115	LOC101931	20720	0.05	protein_coding	5	8141875	8145457	RNA-binding protein
20950	ENSG00000172497	LMG2	20757	0.05	protein_coding	5	8067524	8068998	acyl-CoA thioesterase 12
21052	ENSG00000194191	LMNB2	20826	0.05	protein_coding	3	3609914	3615203	LMNB2 domain containing 2
21077	ENSG00000102249	KLF1	20826	0.05	protein_coding	6	6212684	6213422	kruppel-like factor 8
21081	ENSG00000102028	GTPBP2	20854	0.05	protein_coding	22	3911728	3913430	GTP binding protein 1
21106	ENSG00000184400	CSP2	20871	0.05	protein_coding	5	13140843	13141189	colony stimulating factor 2 (granulocyte-macrophage)
21143	ENSG00000195714	KIF1C	20919	0.05	protein_coding	14	10460263	10461148	kinesin chain 1
21270	ENSG00000109888	CLC7	21012	0.05	protein_coding	17	3259740	3259921	chloride channel (Cl-) ligand 7
21287	ENSG00000098902	CND14	21025	0.05	protein_coding	7	13504857	13519475	CCRN1/NO1 transcription complex, subunit 4
21311	ENSG00000105296	ENP3	21045	0.05	protein_coding	7	13198462	13203363	ectothymidine phosphatase/hydrolyase 3
21410	ENSG00000184806	LEAP2	21123	0.05	protein_coding	2	13228014	13221038	liver expressed antimicrobial peptide 2
21440	ENSG00000185492	CDC141	21148	0.05	protein_coding	2	17984484	17984484	coiled-coil domain containing 141
21478	ENSG00000165328	TRAF2	21152	0.05	protein_coding	20	2445206	2445206	cytosolic ubiquitin 1 receptor
21507	ENSG00000171711	DEFA4	21236	0.05	protein_coding	8	7752151	7752151	defensin, beta 4A
21577	ENSG00000148495	G-Mdr	21254	0.05	protein_coding	5	10353815	10440000	membrane-associated myo finger (C-2HC)1, E3 ubiquitin protein ligase
21618	ENSG00000189671	EPN1	21263	0.05	protein_coding	16	3762387	3762387	EPN2/TCF19-associated protein 1
21705	ENSG00000143443	C1orf66	21267	0.05	protein_coding	1	15102462	15102462	chromosome 1 open reading frame 56
21789	ENSG00000105027	YFEL1	21418	0.05	protein_coding	22	22071833	22090123	yeast-like 1 (Drosophila)
21791	ENSG00000104343	HDC11	21418	0.05	protein_coding	11	13074631	13077604	chromosome 1 open reading frame 19
21805	ENSG00000158510	HDC12	21432	0.05	protein_coding	10	7098059	71027315	hexadecanone domain containing 1
21862	ENSG00000187789	AGER1	21470	0.05	protein_coding	19	6306153	6333640	alkaline ceramidase 1
21891	ENSG00000102032	TRAF6	21476	0.05	protein_coding	17	7334028	7334028	transmembrane protein 102
21912	ENSG00000179981	TSZ1	21513	0.05	protein_coding	18	7922270	7900185	leishain zinc finger homeobox 1
22009	ENSG00000204020	MTLHL1	21586	0.05	protein_coding	1	23716763	23716778	metallothionein 1H like 1
22044	ENSG00000102120	TKF1	21622	0.05	protein_coding	16	11468152	11468152	TAF12/TCF19-associated protein 2
22068	ENSG00000124237	C20orf5	21632	0.05	protein_coding	20	5675960	5673626	chromosome 20 open reading frame 85
22087	ENSG0000011132	APBA3	21649	0.05	protein_coding	19	3788817	3791897	amyloid beta (A4) precursor protein-binding, family A, member 3
22103	ENSG00000109838	LOC101931	21658	0.05	protein_coding	10	7155808	7155808	calcyclin (N-acetylcysteine-S-C)-sulfinyltransferase 4
22113	ENSG00000158454	ZNF480	21693	0.05	protein_coding	19	5280430	5282571	zinc finger protein 480
22193	ENSG00000134827	PWIL4	21723	0.05	protein_coding	11	9427706	9435457	pwl-like RNA-mediated gene silencing 4
22201	ENSG00000105691	RALBP1	21705	0.05	protein_coding	1	1360400	1360400	RALBP1 associated F-Box domain containing 1
22226	ENSG00000127481	UBR4	21747	0.05	protein_coding	1	1940100	1936770	ubiquitin protein ligase E3 component n-recognin 4
22231	ENSG00000217075	LOC101931	21752	0.05	protein_coding	2	3675848	3677941	Uncharacterized protein
22334	ENSG00000192925	CHMP2B	21823	0.05	protein_coding	6	362824	362824	chromosome 6 open reading frame 22
22384	ENSG00000185155	LYSDM1	21861	0.05	protein_coding	1	15113224	15113244	LysM, putative peptidoglycan-binding, domain containing 1
22387	ENSG00000149742	SLC22A9	21862	0.05	protein_coding	11	6317220	6317706	solute carrier family 22 (organic anion transporter), member 9
22391	ENSG00000187691	PLX1	21866	0.05	protein_coding	3	3804897	3813653	phosphoinositide 3-kinase, delta 1
24340	ENSG00000100946	KX11	21873	0.05	protein_coding	17	9654916	9655284	protein, krait 11
24349	ENSG00000153107	ANAPC1	21900	0.05	protein_coding	2	11252348	11254227	anaphase promoting complex subunit 1
24348	ENSG00000176750	STX17	21908	0.05	protein_coding	3	6371321	6371454	syntaxin 19
2491	ENSG00000102681	JANMP1	21936	0.05	protein_coding	3	6027928	6028219	janus kinase and non-receptor interacting protein 1
2498	ENSG00000186442	KRT3	21941	0.05	protein_coding	12	5318349	5318991	keratin 3
25254	ENSG00000186255	GPTA1	21959	0.05	protein_coding	17	275788	276152	chaperin, beta A1
24718	ENSG00000102943	SK-CAM1	22013	0.05	protein_coding	6	1598167	15981942	solute carrier family 36 (protonic acid symporter), member 1
25238	ENSG00000179997	DDI1	22057	0.05	protein_coding	11	10389738	10390922	DNA-damage inducible 1 homolog 1 (S. cerevisiae)
25668	ENSG00000091875	ANGP12	22081	0.05	protein_coding	8	6307172	642090	angiogenin 2
2791	ENSG00000104687	CR2B	22089	0.05	protein_coding	6	2762510	2762510	olfactory receptor, family 2, subfamily B, member 6
28287	ENSG00000098701	TXNDC18	22117	0.05	protein_coding	14	5289730	5291040	transmembrane protein 18

27702	ENSG00000200224	EPH4B	26253.9	0.05	protein_coding	3	96513425	97471304	EPH receptor A6
27718	ENSG00000211778	C11orf84	29383.3	0.05	protein_coding	11	45926333	45926333	chromosome 11 open reading frame 84
27841	ENSG00000204396	VWA7	26361.6	0.05	protein_coding	6	31733307	31745108	von Willebrand factor A domain containing 7
27875	ENSG00000204969	PCDH2A2	26292.9	0.05	protein_coding	5	140174444	140391229	protoderm alpha 2
27888	ENSG00000217088	SPAG8	26440	0.05	protein_coding	9	58608042	59012269	sperm associated antigen 8
27972	ENSG00000215201	VHRT1	27459.6	0.05	protein_coding	19	71967454	71967454	von Willebrand 1 receptor 1
28079	ENSG00000205034	THPO	26588.8	0.05	protein_coding	3	184089723	184095932	thrombopoietin
28105	ENSG00000197795	ZNF70	26611.6	0.05	protein_coding	22	240843789	240852278	zinc finger protein 70
28111	ENSG00000214483	BBB1	26630.6	0.05	protein_coding	11	68273007	68291588	Barker-Bird syndrome 1
28135	ENSG00000181328	LRRRC56	26638.3	0.05	protein_coding	11	537527	554916	leucine rich repeat containing 56
28189	ENSG00000155404	PLRKB4B	26666.2	0.05	protein_coding	5	1445373	14504065	pleckstrin homology domain containing family C (with RhoGef domain) member 4B
28194	ENSG00000205884	EPORNL	26698.2	0.05	protein_coding	12	132589859	132611929	EPOR NL membrane like
28208	ENSG00000134245	WNT2B	26709.7	0.05	protein_coding	1	113091863	113072787	wingless-type MMTV integration site family, member 2B
28227	ENSG00000170100	ZNF 778	26724	0.05	protein_coding	16	89284118	89295383	zinc finger protein 778
28228	ENSG00000214986	KANBL3	26726.6	0.05	protein_coding	2	97298907	97298504	KAT5 regulatory NSL complex subunit 3
28346	ENSG00000186364	NUDT17	26832.2	0.05	protein_coding	1	145588115	145589344	nucleoside diphosphate linked moiety X-type motif 17
28351	ENSG00000185309	C2orf48	27012.8	0.05	protein_coding	2	10281509	10281581	chromosome 2 open reading frame 48
28384	ENSG00000210216	C11orf87	27020	0.05	protein_coding	19	13991811	14017205	chromosome 11 open reading frame 87
28572	ENSG00000185379	RAD51D	27039.6	0.05	protein_coding	17	33426811	33448541	RAD51 paralogue D
28686	ENSG00000158458	NRK2	27136.2	0.05	protein_coding	5	13622634	13642284	neuregulin 2
28878	ENSG00000203970	ZNF343	27142	0.05	protein_coding	20	2460493	2500349	zinc finger protein 343
28900	ENSG00000198150	ZNF250	27163.3	0.05	protein_coding	8	146076632	146127553	zinc finger protein 250
28971	ENSG00000178865	ZNF713	27419.3	0.05	protein_coding	7	5995169	6000918	zinc finger protein 713
28978	ENSG00000211697	NHRNA	27424.3	0.05	protein_coding	1	5920271	605253	neurohypophysin 4
28986	ENSG00000162836	ACP6	27448.8	0.05	protein_coding	1	14710453	147142818	acid phosphatase 6, lysosomal/histocytic
29014	ENSG00000189758	C15orf27	27459.6	0.05	protein_coding	15	76352178	76352178	chromosome 15 open reading frame 27
29089	ENSG00000211889	ZKSCAN3	27531.9	0.05	protein_coding	2	132684466	132698008	zinc finger, RAN-binding domain containing 3
29140	ENSG00000186532	SMYD4	27577	0.05	protein_coding	17	1882779	173326	SET and MYND domain containing 4
29245	ENSG00000191452	DNK35	27854.2	0.05	protein_coding	20	37590942	37688386	DEAH (Asp-Glu-Ala-His) box polypeptide 35
29443	ENSG00000211785	R13orf8	27859.3	0.05	protein_coding	12	10718663	10718663	R13C3 guanine nucleotide-binding factor B
29817	ENSG00000172273	HNF3F	28195.5	0.05	protein_coding	11	118962207	119006752	histone H4 transcription factor 11
19881	ENSG00000202108		19003.9	0.05	rRNA	10	51739425	51739540	rRNA, 5S ribosomal pseudogene 317
12964	ENSG00000211688		23173.8	0.05	rRNA	15	5027468	50274758	rRNA, 5S ribosomal pseudogene 304
29917	ENSG000002020473		23173.8	0.05	rRNA	X	69472892	69473012	rRNA, 5S ribosomal pseudogene 507
24006	ENSG000002071824		23150.4	0.05	rRNA	2	162286065	16229611	5S ribosomal RNA
24241	ENSG000002071824		23150.4	0.05	rRNA	13	1215189	1215189	rRNA, 5S ribosomal pseudogene 466
24334	ENSG00000212204		23423.8	0.05	rRNA	2	33510836	33510954	rRNA, 5S ribosomal pseudogene 91
26603	ENSG00000201728		25321	0.05	rRNA	20	23361533	23361649	rRNA, 5S ribosomal pseudogene 479
27128	ENSG00000173788		24945.2	0.05	rRNA	4	4096780	4096780	rRNA, 5S ribosomal pseudogene 160
17264	ENSG000002029152		17860.7	0.05	sense_intronic	11	111547406	111551519	ANKRD10 intronic transcript 1 (non-protein coding)
24578	ENSG000002028666		23814.4	0.05	sense_intronic	5	178478715	178478984	ZNF348 intronic transcript 1 (non-protein coding)
10728	ENSG00000205811		19941.4	0.05	snRNA	14	6598216	6598216	Small nuclear RNA U13
18732	ENSG00000211012	SNORA11B	19941.4	0.05	snRNA	14	91592789	91592887	Small nuclear RNA, H/ACA box 11B
20133	ENSG00000202800		20124.4	0.05	snRNA	14	63945990	63946131	Small Cajal body specific RNA 20
22388	ENSG00000201169		22851.6	0.05	snRNA	8	26876104	26876202	Small nuclear RNA, SNORD62
15137	ENSG00000212187		23520.5	0.05	snRNA	2	212189953	212189953	Small nuclear RNA, SNORD26
24906	ENSG00000198951		23620.5	0.05	snRNA	6	27983349	27983349	Small nuclear RNA U13
25060	ENSG000002028787		24045.2	0.05	snRNA	2	38410307	38410307	Small nuclear RNA, SNORD34
48487	ENSG00000201500		23540.0	0.05	snRNA	14	101463729	101463729	Small nuclear RNA, SNORD113/SNORD114 family
19666	ENSG00000201044		12121.3	0.05	snRNA	2	23161656	23161662	rRNA, U6 small nuclear 26S, pseudogene
19872	ENSG000002028995	RNU6-2	15314.3	0.05	snRNA	2	175422698	175422699	rRNA, U6 small nuclear 8, pseudogene
19872	ENSG000002028995	RNU6-2	15314.3	0.05	snRNA	16	2017146438	2017146444	rRNA, U6 small nuclear 312, pseudogene
21495	ENSG000002021939		21189	0.05	snRNA	2	43071581	43071687	rRNA, U6 small nuclear 127B, pseudogene
22625	ENSG00000199731		22047.2	0.05	snRNA	5	32234881	32234881	rRNA, U6 small nuclear 107B, pseudogene
22686	ENSG00000200981		22232.3	0.05	snRNA	22	41313747	41313859	rRNA, U6 small nuclear 37A, pseudogene
23317	ENSG000002022821		22953	0.05	snRNA	1	36868322	36868322	rRNA, U6 small nuclear 27, pseudogene
23445	ENSG000002028910		22862.7	0.05	snRNA	6	27865282	27865344	rRNA, U6 small nuclear 26, pseudogene
24003	ENSG00000202668		23129.2	0.05	snRNA	12	1131181872	1131181878	rRNA, U6 small nuclear 103B, pseudogene
24190	ENSG000002028406		2310.2	0.05	snRNA	9	131368195	131368236	rRNA, U7 small nuclear 17, pseudogene
24272	ENSG000002021431		23377.5	0.05	snRNA	8	111329473	111329579	rRNA, U6 small nuclear 90B, pseudogene
24284	ENSG000002021431		23377.5	0.05	snRNA	16	124354654	124354654	rRNA, U6 small nuclear 94A, pseudogene
24584	ENSG000002022177		23620.1	0.05	snRNA	16	68383290	68383432	rRNA, U6 small nuclear 30, pseudogene
24849	ENSG000002027955		23870.2	0.05	snRNA	8	99001084	99001190	rRNA, U6 small nuclear 30, pseudogene
24919	ENSG00000202926		23922.3	0.05	snRNA	16	6901711	6901711	rRNA, U6 small nuclear 21B, pseudogene
24933	ENSG000002028122		23844.7	0.05	snRNA	3	195655460	195655466	rRNA, U2 small nuclear 11, pseudogene
24993	ENSG000002021179		23985.2	0.05	snRNA	6	151260328	151260348	rRNA, U6 small nuclear 302, pseudogene
25003	ENSG00000202624		24474.64	0.05	snRNA	14	7244764	72447670	rRNA, U6 small nuclear 69B, pseudogene
25043	ENSG000002021868		24018.9	0.05	snRNA	16	72855832	72855891	rRNA, U7 small nuclear 17, pseudogene
25196	ENSG00000202839		24115.0	0.05	snRNA	14	73713526	73713588	rRNA, U6 small nuclear 41B, pseudogene
25424	ENSG000002021414		24327.7	0.05	snRNA	12	15588742	15588747	rRNA, U6 small nuclear 18, pseudogene
25544	ENSG00000202967		24428.8	0.05	snRNA	1	229670811	229670836	rRNA, U6 small nuclear 21, pseudogene
25544	ENSG00000202763		24430	0.05	snRNA	3	158526205	158526359	rRNA, U2 small nuclear 31, pseudogene
25604	ENSG00000203313		24878.3	0.05	snRNA	4	40821329	40821329	rRNA, U6 small nuclear 51B, pseudogene
25728	ENSG000002028887		24578.4	0.05	snRNA	1	22449392	22449395	rRNA, U6 small nuclear 100B, pseudogene
25962	ENSG00000198790		24789.7	0.05	snRNA	4	41088624	41088730	rRNA, U6 small nuclear 83B, pseudogene
26040	ENSG000002030078		24868.7	0.05	snRNA	16	58650847	58650887	rRNA, U6 small nuclear 80, pseudogene
26178	ENSG000002020495		24347.9	0.05	snRNA	1	24620989	24620994	rRNA, U6 small nuclear 120B, pseudogene
26384	ENSG000002021883		25113.1	0.05	snRNA	20	25591789	25591859	rRNA, U6 small nuclear 62, pseudogene
26483	ENSG000002020239		24962.6	0.05	snRNA	13	5607329	5607330	rRNA, U6 small nuclear 62, pseudogene
26741	ENSG000002030224		25436.9	0.05	snRNA	6	56810528	56810535	rRNA, U6 small nuclear 62B, pseudogene
26783	ENSG000002025024		25456.5	0.05	snRNA	11	67162891	67162892	rRNA, U6 small nuclear 123B, pseudogene
26865	ENSG00000214571		26015.6	0.05	snRNA	22	4207538	4207538	rRNA, U6 small nuclear 47B, pseudogene
27196	ENSG000002025700		25841.1	0.05	snRNA	3	33455642	33455703	rRNA, U7 small nuclear 110, pseudogene
27252	ENSG000002025322		25831.3	0.05	snRNA	1	6600914	6601024	rRNA, U6 small nuclear 731, pseudogene
27528	ENSG000002021136		26100.9	0.05	snRNA	15	43994561	43994668	rRNA, U6 small nuclear 353, pseudogene
13793	ENSG000002041015	TPM3P9	15317.4	0.05	transcribed_unprocessed_pseudo_gene	19	53935237	53947923	topomycin 3 pseudogene 9
24136	ENSG000002026937		23258.7	0.05	transcribed_unprocessed_pseudo_gene	10	45487870	45487869	centrosomal protein 16kDa pseudogene 1
25141	ENSG000002027802	LOC100289922	24097.3	0.05	transcribed_unprocessed_pseudo_gene	2	234651396	234650661	DnaJ (Hsp40) homolog, subfamily B, member 3
25183	ENSG000002041129		24142.4	0.05	transcribed_unprocessed_pseudo_gene	12	125420001	125420441	ribosomal protein L22 pseudogene 19
12710	ENSG00000106133	NSUN5P1	14334.8	0.05	transcribed_unprocessed_pseudo_gene	7	72418120	72425329	NOP2/Sm domain family, member 5 pseudogene 2
17114	ENSG0000020237854		17858.6	0.05	transcribed_unprocessed_pseudo_gene	17	68008040	68111659	long interspersed non-protein coding RNA 874
20033	ENSG000002028695	CES1P1	20047.2	0.05	transcribed_unprocessed_pseudo_gene	16	55794460	5582070	carboxylesterase 1 pseudogene 1
23225	ENSG00000128438		22331.8	0.05	transcribed_unprocessed_pseudo_gene	17	18622629	18638153	TBC1 domain family, member 27
23292	ENSG000002025042		22573.9	0.05	transcribed_unprocessed_pseudo_gene	17	28956698	28964482	leucine rich repeat containing 37B pseudogene 1
23994	ENSG000002089118		22888.1	0.05	transcribed_unprocessed_pseudo_gene				

16210	ENSG00000204802		16415.9	0.05				
15341	ENSG00000211188		16530.9	0.05				
15796	ENSG00000249741		16859	0.05				
16103	ENSG00000273179		17111.2	0.05				
16216	ENSG00000202071		17187.9	0.05				
17136	ENSG00000239738		17372.7	0.05				
17141	ENSG00000260114		17890.8	0.05				
17703	ENSG00000230842		18383.6	0.05				
17810	ENSG00000203963		18390.4	0.05				
18056	ENSG00000252792	14	18540.3	0.05	68212084	68212191		Small nuclear RNA U3
18246	ENSG00000245601		18663.5	0.05				
18416	ENSG00000245862		18914.5	0.05				
18521	ENSG00000244417		18889.3	0.05				
18507	ENSG00000233598		18933.5	0.05				
18703	ENSG00000201581		19016.2	0.05				
18785	ENSG00000256464		19081.6	0.05				
18906	ENSG00000227311		19184	0.05				
19006	ENSG00000271993		19271.5	0.05				
19248	ENSG00000227403		19453	0.05				
19406	ENSG00000270790		19670.3	0.05				
19816	ENSG00000232108		19892.3	0.05				
19841	ENSG00000208746		19905.7	0.05				
19865	ENSG00000229452		19920.4	0.05				
19985	ENSG00000237811		20016.2	0.05				
20079	ENSG00000273156		20087.3	0.05				
20396	ENSG00000272599		20319.2	0.05				
20374	ENSG00000230470		20331.6	0.05				
20516	ENSG00000287192		20433.4	0.05				
20537	ENSG00000242737		20451.6	0.05				
20554	ENSG00000237602		20499.9	0.05				
20609	ENSG00000223561		20504.3	0.05				
20786	ENSG00000272955		20636.7	0.05				
20968	ENSG00000202658		20728.9	0.05				
21174	ENSG00000179031		20932.4	0.05				
21308	ENSG00000259342		21039.6	0.05				
21380	ENSG00000237693		21054.3	0.05				
21544	ENSG00000270992		21224.1	0.05				
21634	ENSG00000260401		21297.9	0.05				
21648	ENSG00000231159		21303.8	0.05				
21641	ENSG00000268563		21303.8	0.05				
21656	ENSG00000253189		21318	0.05				
21709	ENSG00000230223		21388.6	0.05				
21733	ENSG00000255364		21382.7	0.05				
21742	ENSG00000227492		21390.2	0.05				
21775	ENSG00000200590		21411.2	0.05				
21819	ENSG00000255541		21436.4	0.05				
21891	ENSG00000248208		21500.9	0.05				
21961	ENSG00000240594		21548.8	0.05				
22028	ENSG00000249942		21603	0.05				
22050	ENSG00000264112		21618.1	0.05				
22079	ENSG00000209789		21641	0.05				
22094	ENSG00000270564		21651.6	0.05				
22155	ENSG00000260766		21695.6	0.05				
22242	ENSG00000263448		21781.6	0.05	17	18508309	18508669	RNA, 75L, cytoplasmic 639, pseudogene
22256	ENSG00000233969		21796.7	0.05				
22276	ENSG00000224385		21778.1	0.05				
22277	ENSG00000272341		21779.7	0.05				
22284	ENSG00000230288		21734.6	0.05				
22322	ENSG00000272110	3	21838.3	0.05	47542573	47542672		Y RNA
22361	ENSG00000231363		21847.6	0.05				
22389	ENSG00000231832		21863.5	0.05				
22532	ENSG00000237400		21967.4	0.05				
22546	ENSG00000250540		21982.1	0.05				
22629	ENSG00000260588		22048.5	0.05				
22691	ENSG00000225255		22099.4	0.05				
22702	ENSG00000215972		22109	0.05				
22715	ENSG00000230819		22118.5	0.05				
22720	ENSG00000224308		22128.9	0.05				
22727	ENSG00000253415		22133.5	0.05				
22770	ENSG00000217895		22158	0.05				
22806	ENSG00000273064		22191.3	0.05				
22862	ENSG00000248999		22231.1	0.05				
22867	ENSG00000241168		22236.2	0.05				
22889	ENSG00000183473	SSTR3	22256	0.05	22	37600278	37608362	somatostatin receptor 3
22906	ENSG000002687461		22271.5	0.05				
22911	ENSG00000230281		22277.1	0.05				
22945	ENSG00000287385		22302.5	0.05				
22962	ENSG00000263986		22321.2	0.05				
22995	ENSG00000232028		22354.5	0.05				
23027	ENSG00000281763		22377.3	0.05				
23032	ENSG00000232463		22380.2	0.05				
23034	ENSG00000206289		22391	0.05				
23038	ENSG00000231128		22382	0.05				
23046	ENSG00000216184		22389.4	0.05				
23047	ENSG00000270449		22389.8	0.05				
23068	ENSG00000245471		22427	0.05				
23195	ENSG00000225062		22504.6	0.05				
23296	ENSG00000254418		22554.4	0.05				
23284	ENSG00000230181		22556.8	0.05				
23282	ENSG00000272462		22563.6	0.05				
23297	ENSG00000268517		22579.4	0.05				
23334	ENSG00000260941		22609.2	0.05				
23342	ENSG00000268601		22621.6	0.05				
23347	ENSG00000230486		22626.6	0.05				
23371	ENSG00000262426		22634.7	0.05	X	50108408	50213737	diacylglycerol kinase, kappa
23377	ENSG000002051891		22649.7	0.05				
23391	ENSG00000238796		22656	0.05				
24002	ENSG00000230769		22664	0.05	2	54066882	54066966	Small nuclear RNA U13
24113	ENSG00000242103		22671.6	0.05				
24446	ENSG00000249795		22693.3	0.05				
24497	ENSG00000249746		22698.3	0.05				
24864	ENSG00000228952		22703.6	0.05				
24891	ENSG00000265490		22722.4	0.05				
25021	ENSG00000230508		22745	0.05				
25359	ENSG00000235997		22751.3	0.05				
25447	ENSG00000231795		22759.2	0.05				
25469	ENSG00000230960		22793.7	0.05				
25555	ENSG00000232433		22767.4	0.05				
25608	ENSG00000264396		22811.5	0.05				
25609	ENSG00000264585		22811.9	0.05				
25627	ENSG00000225431		22824.8	0.05				
25646	ENSG00000188424		22846.9	0.05				
25650	ENSG00000225175		22847.6	0.05				
25658	ENSG00000237936		22856.6	0.05				
25673	ENSG00000205209		22871.1	0.05	14	101463960	101464061	Small nuclear RNA SNORD112
25685	ENSG00000175523		22883.3	0.05				
25703	ENSG00000250892		22892.4	0.05				
25710	ENSG00000229512		22896.6	0.05				
25719	ENSG00000234163		22905.7	0.05				
25733	ENSG00000264608		22912.8	0.05				
25743	ENSG00000196750		22923.4	0.05	9	42858072	42876505	aquaporin 7 pseudogene 3
25751	ENSG00000255449		22929.9	0.05				
25771	ENSG00000260988		22949.5	0.05				
25778	ENSG00000236737		22955.3	0.05				
25783	ENSG00000202029		22960.9	0.05				
25825	ENSG00000272920		22985.4	0.05				
25812	ENSG00000270305		22991.2	0.05				
25815	ENSG00000176447		22992.6	0.05				
25823	ENSG00000268691		22997.6	0.05				
25861	ENSG00000231207		23028.1	0.05				
25892	ENSG00000268938		23028.2	0.05				
25864	ENSG00000230365		23030.9	0.05				
25865	ENSG00000268704		23031.7	0.05				
25896	ENSG00000231536		23051.3	0.05				
25904	ENSG00000230365		23053.6	0.05				
25935	ENSG000002681257		23091.8	0.05				
25939	ENSG00000244846		23093.7	0.05				
25962	ENSG00000265439	FGD5P1	23138.5	0.05	3	13974553	13978977	FYVE, RhoGEF and PH domain containing 5 pseudogene 1
25993	ENSG00000248916		23138.6	0.05				
25996	ENSG00000253963		23141.9	0.05				
24008	ENSG00000225129		23153.9	0.05				
24013	ENSG00000237807		23160.6	0.05				
24015	ENSG00000238942		23161.2	0.05				
24024	ENSG00000211128		23166.3	0.05				
24077	ENSG00000223676		23203.2	0.05				
24086	ENSG00000213519		23213.3	0.05				
24102	ENSG00000210311		23228	0.05				
24120	ENSG00000258005		23245.1	0.05				
24123	ENSG00000272180		23246.5	0.05				
24153	ENSG00000221118		23271.4	0.05				
24154	ENSG00000234061		23271.6	0.05				

24163	ENSG00000206454		23279.9	0.05					
24168	ENSG00000207103		23287.8	0.05					
24169	ENSG00000203845		23288.4	0.05					
24189	ENSG00000206038		23307.1	0.05	1	226491963	226492094		Small nuclear RNA U13
24200	ENSG00000204921		23316.6	0.05					
24203	ENSG00000203718		23320.8	0.05					
24209	ENSG00000206652		23328.8	0.05					
24213	ENSG00000204427		23333.3	0.05					
24214	ENSG00000204427		23338.8	0.05					
24223	ENSG00000207423		23344.5	0.05					
24225	ENSG00000207189		23345.5	0.05					
24231	ENSG00000204940		23347.8	0.05					
24232	ENSG00000205620		23347.8	0.05					
24245	ENSG00000208041		23359.8	0.05					
24259	ENSG00000202129	TBC1D3B	23369.2	0.05	17	34493061	34503996		TBC1 domain family, member 3B
24264	ENSG00000203025		23372.7	0.05					
24276	ENSG00000205842		23379.8	0.05					
24294	ENSG00000205358		23392.7	0.05					
24295	ENSG00000205759		23392.9	0.05					
24309	ENSG00000203378		23402.3	0.05					
24311	ENSG00000200135		23404.5	0.05	7	72312017	72312305		RNA 7SL, cytoplasmic t25, pseudogene
24327	ENSG00000203513		23417.4	0.05					
24328	ENSG00000207185		23417.4	0.05					
24321	ENSG00000202026		23420.5	0.05					
24373	ENSG00000201548		23467.8	0.05					
24378	ENSG00000204830		23473.5	0.05					
24385	ENSG00000205970		23474.8	0.05					
24388	ENSG00000205092		23477.7	0.05					
24389	ENSG00000205475		23477.9	0.05					
24392	ENSG00000204685		23482.3	0.05					
24395	ENSG00000205381		23483.8	0.05					
24396	ENSG00000207104		23484.5	0.05					
24404	ENSG00000203333		23493.4	0.05					
24428	ENSG00000204859		23505.2	0.05					
24435	ENSG00000205828		23511.7	0.05					
24437	ENSG00000207038		23527.5	0.05					
24486	ENSG00000204867		23549.3	0.05					
24496	ENSG00000206435		23560.2	0.05					
24497	ENSG00000205053		23560.8	0.05					
24502	ENSG00000202729		23563.8	0.05					
24523	ENSG00000207185		23575.4	0.05					
24524	ENSG00000204472		23575.7	0.05					
24533	ENSG00000203355		23578.9	0.05					
24540	ENSG00000206041		23582.6	0.05					
24541	ENSG00000205441		23582.7	0.05					
24544	ENSG00000205504		23583.5	0.05					
24550	ENSG00000204371		23592.7	0.05					
24552	ENSG00000204459		23596.0	0.05					
24556	ENSG00000204105		23599.8	0.05					
24559	ENSG00000205094		23602.8	0.05					
24561	ENSG00000207137		23608.3	0.05					
24571	ENSG00000202323		23610.0	0.05					
24582	ENSG00000206882		23618.2	0.05	2	172560844	17256714		Uncharacterized protein
24602	ENSG00000205071		23635.9	0.05					
24607	ENSG00000205025		23644.6	0.05					
24616	ENSG00000205263		23652.5	0.05					
24626	ENSG00000205984		23663.9	0.05					
24633	ENSG00000205948	LOC101929469	23672.1	0.05	12	2958397	2966213		Uncharacterized protein ENSP00000372125
24651	ENSG00000205288		23685.8	0.05					
24655	ENSG00000205182		23690.0	0.05					
24681	ENSG00000204193		23713.7	0.05					
24684	ENSG00000206092		23716.6	0.05					
24688	ENSG00000207143		23718.3	0.05					
24693	ENSG00000203743		23726.5	0.05					
24735	ENSG00000204840		23761.7	0.05					
24736	ENSG00000205733		23764.1	0.05					
24760	ENSG00000203442		23773.9	0.05					
24757	ENSG00000207291		23780.1	0.05					
24758	ENSG00000205397		23780.9	0.05					
24763	ENSG00000203358		23785.9	0.05					
24760	ENSG00000203381		23805.8	0.05					
24794	ENSG00000204377		23816.6	0.05					
24814	ENSG00000204008		23839.2	0.05	9	34018258	34018319		RNA, U7 small nuclear 36 pseudogene
24869	ENSG00000204700		23863.7	0.05					
24877	ENSG00000205768		23893.7	0.05					
24888	ENSG00000204957		23902.1	0.05					
24897	ENSG00000207021		23908.0	0.05					
24923	ENSG00000204571		23938.8	0.05					
24934	ENSG00000203377		23945.3	0.05					
24940	ENSG00000202975		23947.7	0.05					
24942	ENSG00000204838		23948.3	0.05					
24952	ENSG00000203309		23954.0	0.05					
24970	ENSG00000206012		23965.4	0.05					
24971	ENSG00000205988		23965.5	0.05					
24991	ENSG00000205298		23982.5	0.05					
24992	ENSG00000204943		23984.9	0.05					
24995	ENSG00000206753		23988.0	0.05					
24997	ENSG00000206960		23988.6	0.05					
25004	ENSG00000203834		23995.2	0.05	16	47154830	47154932		Small nuclear RNA U13
25021	ENSG00000204910		24006.7	0.05					
25026	ENSG00000204911		24010.0	0.05					
25035	ENSG00000205692		24015.6	0.05					
25040	ENSG00000208188		24017.6	0.05					
25052	ENSG00000205968		24025.5	0.05					
25067	ENSG00000202124		24036.1	0.05					
25069	ENSG00000205784		24037.4	0.05					
25078	ENSG00000204151		24040.6	0.05					
25077	ENSG00000205781		24040.8	0.05					
25080	ENSG00000204479		24043.8	0.05					
25108	ENSG00000205043		24066.0	0.05					
25114	ENSG00000202546		24077.1	0.05					
25128	ENSG00000204233		24086.2	0.05					
25138	ENSG00000205025		24095.0	0.05					
25150	ENSG00000202395		24106.3	0.05					
25151	ENSG00000205378		24107.5	0.05					
25168	ENSG00000206162		24118.6	0.05	12	57360745	57361335		HbcAg-binding protein; Uncharacterized protein
25162	ENSG00000207046		24122.5	0.05					
25164	ENSG00000205785		24123.2	0.05					
25169	ENSG00000205846		24126.1	0.05					
25167	ENSG00000202810		24147.0	0.05					
25188	ENSG00000202205		24148.4	0.05					
25198	ENSG00000202452		24148.5	0.05					
25192	ENSG00000202833		24148.9	0.05					
25213	ENSG00000206249		24163.6	0.05					
25228	ENSG00000203458		24174.8	0.05					
25231	ENSG00000201580		24177.2	0.05					
25246	ENSG00000203109		24185.1	0.05					
25257	ENSG00000203663		24195.8	0.05					
25266	ENSG00000204598		24205.7	0.05					
25271	ENSG00000202987		24208.4	0.05					
25278	ENSG00000205022		24213.3	0.05					
25278	ENSG00000205794		24214.7	0.05					
25280	ENSG00000202118		24216.4	0.05					
25281	ENSG00000204198		24217.0	0.05					
25297	ENSG00000205303		24232.4	0.05					
25301	ENSG00000202877		24235.4	0.05					
25300	ENSG00000201375		24235.9	0.05					
25300	ENSG00000203766		24236.0	0.05					
25308	ENSG00000203564		24238.4	0.05					
25306	ENSG00000204631		24239.1	0.05					
25300	ENSG00000204848		24250.9	0.05					
25340	ENSG00000203438		24271.9	0.05					
25341	ENSG00000206366		24272.0	0.05					
25366	ENSG00000203887		24285.6	0.05	22	41310883	41310986		Small nuclear RNA U13
25375	ENSG00000202136		24302.7	0.05					
25379	ENSG00000203205		24305.8	0.05					
25384	ENSG00000202610		24307.7	0.05					
25399	ENSG00000201584		24324.6	0.05					
25419	ENSG00000203490		24342.5	0.05					
25438	ENSG00000205359		24352.3	0.05					
25440	ENSG00000202580		24354.0	0.05					
25441	ENSG00000202895		24354.2	0.05					
25444	ENSG00000202747		24357.4	0.05					
25465	ENSG00000206801		24374.0	0.05					
25479	ENSG00000205457		24388.7	0.05					
25487	ENSG00000203208		24392.7	0.05					
25493	ENSG00000202235		24398.0	0.05					
25497	ENSG00000204320		24399.9	0.05					
25504	ENSG00000204179		24404.8	0.05					
25509	ENSG00000202201		24408.0	0.05	13	103472343	103472419		RNA, Rb-associated Y3 pseudogene 8

2624	ENSG00000233081	24420.8	0.05				
2625	ENSG00000233079	24427.3	0.05				
2650	ENSG00000231971	24427.9	0.05				
2656	ENSG00000255317	24435.2	0.05				
2656	ENSG00000233090	24438.8	0.05				
2658	ENSG00000233081	24449.8	0.05				
2659	ENSG00000251995	24465.8	0.05	11	57278032	57278117	Y RNA
2659	ENSG00000266525	24466	0.05				
2659	ENSG00000198203	24473	0.05				
2660	ENSG00000171658	24477.7	0.05				
2666	ENSG00000269721	24482.6	0.05				
2668	ENSG00000232725	24494.7	0.05				
2667	ENSG00000253330	24502.5	0.05				
2636	ENSG00000244593	24507.5	0.05				
2643	ENSG00000224705	24512.8	0.05				
2667	ENSG00000237158	24526.1	0.05				
2666	ENSG00000244510	24526.9	0.05				
2668	ENSG00000229263	24535.5	0.05				
2670	ENSG00000229751	24535.7	0.05				
2685	ENSG00000244475	24550.2	0.05				
2696	ENSG00000232978	24551.6	0.05				
2684	ENSG00000224238	24554.8	0.05				
2697	ENSG00000235024	24556.7	0.05				
2700	ENSG00000245498	24561	0.05				
2705	ENSG00000232172	24562.8	0.05				
2710	ENSG00000255824	24567.2	0.05				
2715	ENSG00000232424	24570.4	0.05				
2718	ENSG00000236930	24573.6	0.05				
2748	ENSG00000269878	24596.4	0.05				
2762	ENSG00000248868	24599	0.05				
2763	ENSG00000248758	24609.3	0.05	7	100060452	100060725	RNA_TSL_cytosolic161_pseudogene
2771	ENSG00000234193	24614.6	0.05				
2786	ENSG00000232078	24619.3	0.05				
2786	ENSG00000250229	24630.5	0.05				
2786	ENSG00000174572	24630.9	0.05				
2786	ENSG00000235378	24637.8	0.05				
2806	ENSG00000269375	24647.1	0.05	14	10139265	101360646	Esophagus cancer-related gene 2 interaction susceptibility protein. Uncharacterized protein
2818	ENSG00000223718	24658.3	0.05				
2822	ENSG00000230921	24659.8	0.05				
2824	ENSG00000273368	24662.4	0.05				
2829	ENSG00000227718	24669.1	0.05				
2834	ENSG00000245498	24673.9	0.05				
2843	ENSG00000231424	24684	0.05				
2863	ENSG00000230986	24692.5	0.05				
2886	ENSG00000271050	24694.1	0.05				
2867	ENSG00000231751	24694.1	0.05				
2869	ENSG00000281186	24694.9	0.05				
2872	ENSG00000273306	24698.7	0.05				
2874	ENSG00000269916	24699.6	0.05				
2878	ENSG00000258432	24702.7	0.05				
2886	ENSG00000268472	24709.1	0.05				
2886	ENSG00000214112	24716	0.05				
2896	ENSG00000255886	24720.1	0.05				
2898	ENSG00000244913	24723.2	0.05				
2908	ENSG00000214550	24730	0.05				
2920	ENSG00000287243	24740.4	0.05				
2934	ENSG00000215464	24745.2	0.05				
2964	ENSG00000257578	24760.4	0.05				
2966	ENSG00000237260	24770.9	0.05				
2980	ENSG00000257880	24782.9	0.05				
2981	ENSG00000221331	24783.1	0.05				
2991	ENSG00000268885	24791.1	0.05	5	667759	668839	Uncharacterized protein
2996	ENSG00000251513	24798.6	0.05				
2916	ENSG00000254406	24811.8	0.05				
2626	ENSG00000268119	24824.8	0.05				
2634	ENSG00000230227	24831.2	0.05				
2637	ENSG00000269697	24832.2	0.05				
2638	ENSG00000238319	24834.6	0.05	4	184195614	184195717	Small nuclear RNA U13
2639	ENSG00000246528	24835.6	0.05				
2644	ENSG00000234322	24844.4	0.05				
2659	ENSG00000240393	24851.1	0.05				
2672	ENSG00000226276	24861.8	0.05				
2675	ENSG00000251818	24863.3	0.05				
2683	ENSG00000257989	24869.9	0.05				
2685	ENSG00000224331	24871.4	0.05				
2695	ENSG00000232525	24880.1	0.05				
2610	ENSG00000256905	24886.3	0.05				
2610	ENSG00000253357	24887.6	0.05				
2610	ENSG00000231933	24888.5	0.05				
2619	ENSG00000270904	24900.2	0.05				
2615	ENSG00000259203	24920.6	0.05				
2613	ENSG00000237031	24925.4	0.05				
2613	ENSG00000264523	24938.9	0.05				
2617	ENSG00000281185	24941.3	0.05				
2618	ENSG00000226953	24941.3	0.05				
2619	ENSG00000219966	24943.8	0.05				
2618	ENSG00000238107	24944	0.05				
2619	ENSG00000235195	24957	0.05				
2618	ENSG00000264596	24968.4	0.05				
2619	ENSG00000273981	24969.1	0.05				
2626	ENSG00000268513	24975.9	0.05				
2626	ENSG00000262268	24979.9	0.05	15	56247899	56248002	Small nuclear RNA U13
26219	ENSG00000242190	24988.5	0.05				
26221	ENSG00000287416	24989.1	0.05				
26231	ENSG00000259756	24994.7	0.05				
26248	ENSG00000271265	25001.9	0.05				
26271	ENSG00000233383	25018	0.05				
26272	ENSG00000225195	25018.4	0.05	5	122846130	122846231	Y RNA
26278	ENSG00000272574	25026.9	0.05				
26284	ENSG00000244837	25034.1	0.05				
26291	ENSG00000232963	25044.9	0.05				
26305	ENSG00000270781	25057.7	0.05				
26306	ENSG00000258933	25060.6	0.05				
26322	ENSG0000027132	25079.5	0.05				
26331	ENSG00000270326	25088.4	0.05				
26332	ENSG00000235319	25089.5	0.05				
26337	ENSG00000258443	25092.5	0.05				
26342	ENSG00000271959	25096.9	0.05				
26349	ENSG00000240063	25100.5	0.05				
26352	ENSG00000251952	25104.9	0.05				
26354	ENSG00000287289	25107.4	0.05				
26363	ENSG00000242082	25112.7	0.05				
26369	ENSG00000287426	25114.4	0.05				
26383	ENSG00000236153	25124.6	0.05				
26396	ENSG00000232905	25138.2	0.05				
26403	ENSG00000231573	25140.8	0.05				
26404	ENSG00000177452	25142.3	0.05				
26414	ENSG00000254290	25149.3	0.05				
26423	ENSG00000258983	25154.1	0.05				
26440	ENSG00000260368	25179.2	0.05				
26442	ENSG00000248245	25182.7	0.05				
26444	ENSG00000233353	25185.2	0.05				
26449	ENSG00000226940	25190.2	0.05				
26451	ENSG00000204117	25193.2	0.05				
26455	ENSG00000264599	25197.4	0.05				
26466	ENSG00000232962	25206.4	0.05				
26473	ENSG00000272796	25212	0.05				
26485	ENSG00000176972	25223.7	0.05				
26491	ENSG00000269191	25227.5	0.05				
26495	ENSG00000266411	25231.7	0.05				
26507	ENSG00000193200	25244.5	0.05				
26512	ENSG00000225962	25249.9	0.05				
26528	ENSG00000269099	25262.5	0.05	11	61735453	61736755	Uncharacterized protein: cDNA FLJ36460 fs, clone THVMJ2014801
26536	ENSG00000235297	25269.9	0.05				
26543	ENSG00000260370	25274.1	0.05				
26547	ENSG00000258413	25274.7	0.05				
26549	ENSG00000272516	25275.4	0.05				
26578	ENSG00000235160	25300.8	0.05				
26584	ENSG00000251672	25308.7	0.05				
26591	ENSG00000268184	25312.5	0.05				
26601	ENSG00000234917	25320.5	0.05				
26610	ENSG00000226797	25327.4	0.05				
26611	ENSG00000226310	25328.4	0.05				
26624	ENSG00000224835	25342	0.05				
26634	ENSG00000258503	25348.3	0.05				
26652	ENSG00000257121	25351.1	0.05				
26655	ENSG00000232638	25364.4	0.05				
26659	ENSG00000232833	25367.1	0.05	9	67784944	67786624	family with sequence similarity 27, member E3
26661	ENSG00000244795	25367.8	0.05				
26671	ENSG00000232914	25375.8	0.05				
26673	ENSG00000236352	25376.7	0.05				

3638	ENSG00000211976		5554.2	0.04	IG_V_gene	14	107210952	107211471	immunoglobulin heavy variable 3-73
3653	ENSG00000213444		811734	0.04	IG_V_gene	2	8013350	8013350	immunoglobulin kappa variable 1D-16
3661	ENSG00000223350		5733.8	0.04	IG_V_gene	22	2295739	2295804	immunoglobulin lambda variable 9-49
3660	ENSG00000225698		6783.8	0.04	IG_V_gene	14	10718932	10719471	immunoglobulin heavy variable 3-72
3748	ENSG00000211632		6075.9	0.04	IG_V_gene	2	59211643	59212263	immunoglobulin kappa variable 3D-11
3800	ENSG00000211653		6020.7	0.04	IG_V_gene	22	2278296	2278362	immunoglobulin lambda variable 1-36
4291	ENSG00000223855		6669.8	0.04	IG_V_gene	2	89265781	89266296	immunoglobulin kappa variable 1-6
4481	ENSG00000211648		7192.2	0.04	IG_V_gene	22	22712287	22712907	immunoglobulin lambda variable 1-47
4870	ENSG00000211985		7379.4	0.04	IG_V_gene	14	10701837	10702376	immunoglobulin heavy variable 3-49
4871	ENSG00000211964		7486.1	0.04	IG_V_gene	14	10698314	10698853	immunoglobulin heavy variable 3-48
5421	ENSG00000225921	LOC642131	8159.8	0.04	IG_V_gene	15	22412916	22413533	immunoglobulin heavy variable 4CR15 (non-functional)
5670	ENSG00000211981		8484.9	0.04	IG_V_gene	14	10698314	10698853	immunoglobulin heavy variable 3-41
6432	ENSG00000240984		9226.4	0.04	IG_V_gene	2	89399352	89399864	immunoglobulin kappa variable 1-16
6538	ENSG00000243228		9338.1	0.04	IG_V_gene	2	89544264	89545079	immunoglobulin kappa variable 2-30
20477	ENSG00000225383		21516.3	0.04	IG_V_pseudogene	14	106633711	106639091	immunoglobulin heavy variable 3-19 (pseudogene)
22045	ENSG00000230476		21813.2	0.04	lncRNA	3	188659204	188665504	TPRG1 antisense RNA 1
22136	ENSG00000225760		21876.7	0.04	lncRNA	13	111635654	111642911	long intergenic non-protein coding RNA 431
24248	ENSG00000214533	LINC00158	21933.7	0.04	lncRNA	21	2073133	2073413	long intergenic non-protein coding RNA 158
24261	ENSG00000225953	MIR1302-2	23369.6	0.04	lncRNA	15	10250051	10250110	miRNome 1302-11
24543	ENSG00000225703	LINC00393	23585	0.04	lncRNA	15	70127573	70135459	long intergenic non-protein coding RNA 593
24913	ENSG00000225522	LINC00397	23914.4	0.04	lncRNA	14	11751111	11751163	long intergenic non-protein coding RNA 607
24926	ENSG00000225931	LINC00927	23938.2	0.04	lncRNA	15	80555410	80564147	long intergenic non-protein coding RNA 927
25229	ENSG00000225493	LINC01107	24176	0.04	lncRNA	2	238419331	23843398	long intergenic non-protein coding RNA 1107
25370	ENSG00000221122	FLJ26245	24298.5	0.04	lncRNA	16	34973269	34980996	5S ribosomal RNA
25417	ENSG00000178728	NCRNA00185	24341.5	0.04	lncRNA	Y	21034387	21038302	testis-specific transcript, Y-linked 14 (non-protein coding)
25429	ENSG00000258537	FRMD6-AS2	24348.4	0.04	lncRNA	14	51921230	5206670	FRMD6 antisense RNA 2
25542	ENSG00000225629	CEBT1L-AS1	24429.4	0.04	lncRNA	9	72433995	72435662	CEBT1L antisense RNA 1 (head to head)
25686	ENSG00000235770	LINC00807	24550.3	0.04	lncRNA	2	21647626	21670845	long intergenic non-protein coding RNA 607
25768	ENSG00000179066		24613	0.04	lncRNA	19	35568873	35568117	lincRNAcared protein
25928	ENSG00000211623	LINC00336	24744	0.04	lncRNA	13	13344169	13344169	long intergenic non-protein coding RNA 328
26036	ENSG00000229218	LINC00528	24831.4	0.04	lncRNA	15	90048505	90067265	long intergenic non-protein coding RNA 928
26237	ENSG00000244870	LINC00682	24997	0.04	lncRNA	4	41818498	41848428	long intergenic non-protein coding RNA 682
26262	ENSG00000226858	LINC00684	25012.5	0.04	lncRNA	17	21668149	21668149	long intergenic non-protein coding RNA 684
26277	ENSG00000227418	PCGEM1	25024.6	0.04	lncRNA	2	193014571	193041625	PCGEM1, prostate-specific transcript (non-protein coding)
26286	ENSG00000235387	LINC00661	25037.5	0.04	lncRNA	9	3590480	35911863	long intergenic non-protein coding RNA 961
26381	ENSG00000226828	LINC00662	25051.3	0.04	lncRNA	12	1603424	1603424	long intergenic non-protein coding RNA 962
26446	ENSG00000226374	LINC00672	25185.7	0.04	lncRNA	17	37081421	37084130	long intergenic non-protein coding RNA 672
26478	ENSG00000225056	LINC01018	25219.5	0.04	lncRNA	5	6582249	658812	long intergenic non-protein coding RNA 1018
26484	ENSG00000224588	LINC01019	25221.4	0.04	lncRNA	2	12361088	12361088	long intergenic non-protein coding RNA 1019
26667	ENSG00000249464	LINC01091	25373.2	0.04	lncRNA	4	124571422	124851591	long intergenic non-protein coding RNA 1091
26810	ENSG00000235733	LZTSL1-AS1	25501.9	0.04	lncRNA	8	20132824	20147869	LZTSL1 antisense RNA 1
26820	ENSG00000226841	LINC00560	25516.3	0.04	lncRNA	17	831165	831165	long intergenic non-protein coding RNA 930
26969	ENSG00000198468	FLVCR1-AS1	25629.2	0.04	lncRNA	1	21302540	21303140	FLVCR1 antisense RNA 1 (head to head)
27205	ENSG00000188860	LINC00319	25847.7	0.04	lncRNA	21	44868481	44873773	long intergenic non-protein coding RNA 319
27207	ENSG00000226159		26022.5	0.04	lncRNA	16	6668404	6668562	lncRNA 98
27529	ENSG00000226968		26177.4	0.04	lncRNA	9	53878774	53879582	long intergenic non-protein coding RNA 1033
27834	ENSG00000226933	LINC00668	26189.8	0.04	lncRNA	18	6918495	6923965	long intergenic non-protein coding RNA 668
28381	ENSG00000195501	PACT1	27048.2	0.04	lncRNA	5	59745540	59813844	prostate androgen-regulated transcript 1 (non-protein coding)
28382	ENSG00000227004	HSD17	27058.6	0.04	lncRNA	5	30291816	30293931	H.A. complex group 17 (non-protein coding)
29018	ENSG00000248508	SRP14-AS1	27463.4	0.04	lncRNA	15	40313152	40325941	SRP14 antisense RNA1 (head to head)
29095	ENSG00000242759	LINC00682	27537.4	0.04	lncRNA	3	10955958	10959948	long intergenic non-protein coding RNA 882
10318	ENSG00000226929	LINC00560	12409.9	0.04	lncRNA	14	107209100	107209100	head-to-head 5116
11519	ENSG00000207709	MIR197	13592.1	0.04	miRNA	1	110141515	110141589	miRNome 197
20698	ENSG00000271886	MIR98	20570.8	0.04	miRNA	3	53563194	53563302	miRNome 98
11129	ENSG00000220763	MIR569	20619.4	0.04	miRNA	4	47604844	47604809	miRNome 569
21405	ENSG00000226491	MIR4474	21118.8	0.04	miRNA	3	20552263	20552340	miRNome 4474
21398	ENSG00000226527	MIR4142	22452.7	0.04	miRNA	5	159901409	159901490	miRNome 3142
23868	ENSG00000221163	MIR338	24031.6	0.04	miRNA	7	7899767	7899767	miRNome 338
25503	ENSG00000228453	MIR3127	24403.5	0.04	miRNA	2	97484015	97484090	miRNome 3127
25584	ENSG00000229747	MIR182	24451.6	0.04	miRNA	17	46114527	46114613	miRNome 182
26000	ENSG00000226944	MIR3262	24126.4	0.04	miRNA	15	12584111	12584031	miRNome 3262
26043	ENSG00000226870	MIR3657	24442.3	0.04	miRNA	12	112475403	11247519	miRNome 3657
26815	ENSG00000226954	MIR4786	25506.2	0.04	miRNA	22	41209887	41209962	miRNome 4786
27643	ENSG00000226475	MIR4763	24938.4	0.04	miRNA	13	12811213	12811213	miRNome 4763
27640	ENSG00000226362	MIR4667	26202.8	0.04	miRNA	9	3560891	35608156	miRNome 4667
27861	ENSG00000226435	MIR3121	26380.9	0.04	miRNA	1	180407449	180407235	miRNome 3121
28319	ENSG00000227444	MIR4427	26799.3	0.04	miRNA	1	233779989	233779989	miRNome 4427
28906	ENSG00000226589	MIR4512	27368.6	0.04	miRNA	15	66789296	66789125	miRNome 4512
28970	ENSG00000227588	MIR593	27417.9	0.04	miRNA	7	127271913	127272012	miRNome 593
10588	ENSG00000204848	MIR128	12786.8	0.04	miRNA	2	7681769	7681769	RNA 75S, small nuclear pseudogene 203
11533	ENSG00000201428	MIR158	13608.7	0.04	miRNA	12	112704801	112705198	RNA 75S, small nuclear pseudogene 71
16206	ENSG00000243704		17180.2	0.04	miRNA	17	15007870	15007986	RNA 75S, cytoplasmic 105, pseudogene
18148	ENSG00000201701		18620	0.04	miRNA	17	2564265	2564265	RNA 75S, cytoplasmic 106, pseudogene
19512	ENSG00000201725		19647	0.04	miRNA	16	15009114	15009114	Y RNA
20386	ENSG00000198781		20338.9	0.04	miRNA	2	233993363	233993461	Y RNA
20997	ENSG00000201624		21184	0.04	miRNA	12	1556352	1556352	RNA 75S, cytoplasmic 115, pseudogene
22273	ENSG00000201034		21855.5	0.04	miRNA	16	482927	482927	Y RNA
22424	ENSG00000198933		22040	0.04	miRNA	12	102113586	102113586	Y RNA
10140	ENSG00000211178		22433.3	0.04	miRNA	13	58534328	58534328	RNA 75S, cytoplasmic 94, pseudogene
23675	ENSG00000243370		22873.2	0.04	miRNA	17	76369935	76369216	RNA 75S, cytoplasmic 235, pseudogene
23738	ENSG00000229215		22918.8	0.04	miRNA	21	40716463	40716554	Y RNA
23837	ENSG00000226989		23408	0.04	miRNA	8	2042818	2042818	RNA 75S, cytoplasmic 128, pseudogene
23953	ENSG00000242300		23102.2	0.04	miRNA	13	28543435	28563721	RNA 75S, cytoplasmic 272, pseudogene
24116	ENSG00000220030		23242.4	0.04	miRNA	12	14706636	14706904	RNA 75S, small nuclear pseudogene 134
24451	ENSG00000221299		23523.9	0.04	miRNA	17	80375102	80375102	Y RNA
14612	ENSG00000211811		23574.1	0.04	miRNA	17	43513669	43514688	RNA 75S, cytoplasmic 18, pseudogene
24676	ENSG00000241625		23709.5	0.04	miRNA	2	62718313	62718313	RNA 75S, cytoplasmic 18, pseudogene
24958	ENSG00000243365		23960.5	0.04	miRNA	15	72695296	72695951	RNA 75S, cytoplasmic 278, pseudogene
25201	ENSG00000240544		24154.5	0.04	miRNA	14	33358784	33358784	RNA 75S, cytoplasmic 279, pseudogene
25290	ENSG00000226491		24223.9	0.04	miRNA	1	179869397	179869397	RNA 75S, cytoplasmic 230, pseudogene
25430	ENSG00000246471		24479.8	0.04	miRNA	22	22071702	220717411	RNA 75S, cytoplasmic 280, pseudogene
25866	ENSG00000229495		24727.3	0.04	miRNA	22	119379165	119379165	RNA 75S, cytoplasmic 281, pseudogene
25907	ENSG00000198719		24729.8	0.04	miRNA	20	18275787	18276095	RNA 75S, small nuclear pseudogene 74
25971	ENSG00000223006		24773.2	0.04	miRNA	4	12196207	12196207	RNA 75S, small nuclear pseudogene 137
19100	ENSG00000220160		24808.4	0.04					

24938	ENSG00000239253	23948	0.04	processed_pseudogene	19	3451254	34512800	ribosomal protein S4X pseudogene 23
24944	ENSG00000237569	23948	0.04	processed_pseudogene	21	3471908	3471934	tubulin alpha pseudogene
24954	ENSG00000242070	23958	0.04	processed_pseudogene	3	137442619	137443385	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 17
25107	ENSG00000201679	24067	0.04	processed_pseudogene	15	43560102	43560586	ATP synthase, H ⁺ transporting, mitochondrial Fo complex, subunit c, pseudogene 1
25133	ENSG00000241478	24088	0.04	processed_pseudogene	13	91943309	91943403	peptidylarginine isomerase A (cyclophilin A) pseudogene 23
25178	ENSG00000202319	24137	0.04	processed_pseudogene	10	71293069	71293163	transmembrane protein 256 pseudogene 1
25332	ENSG00000226094	24178	0.04	processed_pseudogene	20	61149878	61170591	ribosomal protein L7 pseudogene 3
25349	ENSG00000240520	24277	0.04	processed_pseudogene	12	65261736	65262478	ribosomal protein L7 pseudogene 39
25354	ENSG00000202659	24303	0.04	processed_pseudogene	7	84957444	84959908	heat shock 70kDa protein B pseudogene 16
25389	ENSG00000232496	24313	0.04	processed_pseudogene	X	121672106	121673119	ribosomal protein L3 pseudogene 12
25450	ENSG00000236416	24353	0.04	processed_pseudogene	9	79019816	79014502	ribosomal protein S4 pseudogene 9
25460	ENSG00000202993	24378	0.04	processed_pseudogene	2	46984788	46985648	nuclear receptor binding factor 2 pseudogene 2
25884	ENSG00000224274	24718	0.04	processed_pseudogene	20	15600189	15600464	endothelin alpha pseudogene 1
25960	ENSG00000244390	24766	0.04	processed_pseudogene	12	98413950	98414675	ribosomal protein S8 pseudogene 22
25977	ENSG00000218424	24780	0.04	processed_pseudogene	6	136797000	136797288	NADH dehydrogenase (ubiquinone-6 protein, 5, 19kDa (NADH-coenzyme Q reductase) pseudogene 1
26009	ENSG00000232105	24859	0.04	processed_pseudogene	13	62621271	62621271	ribosomal protein L7 pseudogene 28
26016	ENSG00000232559	24814	0.04	processed_pseudogene	19	49717676	49717677	SUMO1 pseudogene 4
26019	ENSG00000214012	24816	0.04	processed_pseudogene	6	19612986	19614267	keratin 18 pseudogene 38
26074	ENSG00000202741	24862	0.04	processed_pseudogene	20	34176246	34176529	ribosomal protein L17 pseudogene 1
26160	ENSG00000202661	24929	0.04	processed_pseudogene	11	73561514	73562256	coiled-coil domain containing 58 pseudogene 5
26174	ENSG000002025125	24945	0.04	processed_pseudogene	X	135895832	135896000	RAN, member RAN oncogene family pseudogene 4
26184	ENSG00000204652	24956	0.04	processed_pseudogene	17	43685909	43686349	ribosomal protein S28 pseudogene 8
26213	ENSG00000219673	24965	0.04	processed_pseudogene	7	54487137	54488021	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 pseudogene 3
26287	ENSG00000208296	25037	0.04	processed_pseudogene	18	26231696	26232131	aridra1 homolog 2 pseudogene 1
26294	ENSG00000202446	25045	0.04	processed_pseudogene	8	180195429	180195933	high mobility group box 1 pseudogene 6
26300	ENSG00000208088	25052	0.04	processed_pseudogene	16	46878544	46878550	creatine kinase B pseudogene 1
26420	ENSG00000201306	25153	0.04	processed_pseudogene	5	58824887	58825077	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 19kDa pseudogene 2
26464	ENSG00000202578	25200	0.04	processed_pseudogene	12	12201784	12201784	ribosomal protein L12 pseudogene 18
26465	ENSG00000202493	25205	0.04	processed_pseudogene	15	43213508	43213556	farnesyl diphosphate synthase pseudogene 4
26623	ENSG000002041808	25259	0.04	processed_pseudogene	16	63384667	63385053	ribosomal protein S16a pseudogene 34
26658	ENSG00000202641	25281	0.04	processed_pseudogene	16	40212681	40212681	polyribonucleotide nucleoside transferase 1 pseudogene 1
26667	ENSG00000234008	25295	0.04	processed_pseudogene	21	37250365	37260724	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 2
26681	ENSG00000202163	25304	0.04	processed_pseudogene	Y	2794702	2794961	nucleosome assembly protein 1-like 1 pseudogene 2
26691	ENSG00000202014	25308	0.04	processed_pseudogene	19	40328193	40328193	hepatocarcinoma-derived antigen 1 pseudogene 1
26703	ENSG000002020911	PHIH	0.04	processed_pseudogene	11	11190552	11191091	peptidyl isomerase II (cyclophilin H) pseudogene 1
26732	ENSG000002024070	25429	0.04	processed_pseudogene	2	20712432	20712442	high mobility group nucleosome binding domain 1 pseudogene 6
26844	ENSG00000201633	25488	0.04	processed_pseudogene	1	21188104	21188148	actin related protein 20 complex, subunit 3 pseudogene 2
26912	ENSG000002028205	25577	0.04	processed_pseudogene	X	40482836	40483112	mitochondrial granulate carrier 1-like
26958	ENSG000002024928	25614	0.04	processed_pseudogene	5	7794088	7794088	high mobility group box 1 pseudogene 21
27004	ENSG00000202165	25638	0.04	processed_pseudogene	13	2296763	2296763	ribosomal protein large, P1 pseudogene 13
27008	ENSG000002041261	25668	0.04	processed_pseudogene	4	62077370	62077581	ribosomal protein L1Y pseudogene 19
27026	ENSG000002040688	25682	0.04	processed_pseudogene	3	13780320	13782179	keratin 8 pseudogene 30
27124	ENSG00000202760	25674	0.04	processed_pseudogene	1	20861743	20861743	ribosomal protein S24 pseudogene 13
27164	ENSG00000202544	25915	0.04	processed_pseudogene	15	74854172	74854172	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 43
27172	ENSG00000202338	25822	0.04	processed_pseudogene	20	61476490	61476493	diphthamide biosynthesis 3 pseudogene 1
27178	ENSG00000202637	25824	0.04	processed_pseudogene	14	103707829	103708039	ribosomal protein L21 pseudogene 13
27180	ENSG00000202165	25846	0.04	processed_pseudogene	15	48841512	48841517	GDP dissociation inhibitor 2 pseudogene 1
27225	ENSG00000202354	25863	0.04	processed_pseudogene	6	3045618	3045618	family with sequence similarity 138, member B, pseudogene
27233	ENSG000002041561	25917	0.04	processed_pseudogene	6	5844019	5844107	retinol dehydrogenase pseudogene 1 pseudogene 4
27296	ENSG000002021218	25917	0.04	processed_pseudogene	12	21399811	21399811	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 30
27355	ENSG000002178273	25963	0.04	processed_pseudogene	9	34917172	34918293	glutamate ammonia lyase (glutamate synthetase) pseudogene 4
27485	ENSG000002023630	VENXIP7	0.04	processed_pseudogene	3	2144712	2144875	VEN1 homologous pseudogene 7
27488	ENSG000002025497	26039	0.04	processed_pseudogene	12	44291126	44291126	adenosine deaminase 2 pseudogene 2
27561	ENSG000002023849	26125	0.04	processed_pseudogene	1	173110239	17311489	glutamic-oxaloacetic transaminase 2 pseudogene 2
27627	ENSG000002028562	26177	0.04	processed_pseudogene	10	11619381	11620021	PRP8 domain containing 4 pseudogene 2
27686	ENSG000002024836	26241	0.04	processed_pseudogene	22	2586826	2586826	ADP-ribosylation factor 4 pseudogene 4
27693	ENSG000002174418	26247	0.04	processed_pseudogene	13	107078121	107078470	ribosomal protein L35 pseudogene 9
27754	ENSG000002024388	26288	0.04	processed_pseudogene	8	143644621	143644683	deoxyuridine triphosphatase pseudogene 2
27764	ENSG000002021024	26341	0.04	processed_pseudogene	13	53414491	53414491	NADH dehydrogenase (ubiquinone) 1 assembly factor 4 pseudogene 2
27813	ENSG000002028329	26342	0.04	processed_pseudogene	18	23835662	23836319	family with sequence similarity 80, member B, pseudogene
27884	ENSG000002026216	26404	0.04	processed_pseudogene	1	21724489	21724489	protein phosphatase 1, regulatory (inhibitor) subunit 11 pseudogene 1
27929	ENSG000002029529	26437	0.04	processed_pseudogene	12	64160077	64160077	ribosomal protein L12 pseudogene 12
27933	ENSG000002023428	26450	0.04	processed_pseudogene	1	174725988	174726257	barrier to autointegration factor 1 pseudogene 4
28040	ENSG000002024939	26539	0.04	processed_pseudogene	5	111181747	111182293	high mobility group nucleosome binding domain 1 pseudogene 14
28090	ENSG000002021581	26540	0.04	processed_pseudogene	1	170081123	170081123	ribosomal protein L10 pseudogene 12
28241	ENSG00000215070	XRC6P5	0.04	processed_pseudogene	X	98716600	98716600	X-ray repair complementing defective repair in Chinese hamster cells 6 pseudogene 5
28258	ENSG000002028786	26780	0.04	processed_pseudogene	1	26213851	26214101	small nuclear ribonucleoprotein polypeptide F pseudogene 2
28296	ENSG000002025158	26827	0.04	processed_pseudogene	2	13200193	13200193	Kruppel factor 2 pseudogene 2
28335	ENSG000002025701	26822	0.04	processed_pseudogene	21	40543056	40543056	poly(rC) binding protein 2 pseudogene 1
28653	ENSG000002020750	27119	0.04	processed_pseudogene	20	10368427	10368454	SDA1 domain containing 1 pseudogene 2
28728	ENSG000002024412	27137	0.04	processed_pseudogene	2	15961268	15961273	glutathione S-transferase, mu 3 pseudogene 2
28813	ENSG000002023567	27287	0.04	processed_pseudogene	3	48202965	48202967	small nuclear ribonucleoprotein polypeptide F pseudogene 4
28876	ENSG000002028412	27423	0.04	processed_pseudogene	3	148994555	148999530	ribosomal protein L21 pseudogene 71
28975	ENSG00000216828	27438	0.04	processed_pseudogene	7	4931838	4931838	2'-oxoglutarate and iron-dependent oxygenase pseudogene 1 pseudogene 1
29038	ENSG000002024877	27454	0.04	processed_pseudogene	11	90847892	90849119	cysteine1 binding protein-like 9 pseudogene 2
29058	ENSG000002027588	27506	0.04	processed_pseudogene	13	95409705	95411526	bromodomain containing 7 pseudogene 5
29163	ENSG000002021758	OIF5A1	0.04	processed_transcript	12	41531613	41531613	OIF5 antisense RNA1
24992	ENSG00000215039	CD27A1	0.04	processed_transcript	12	6548197	6548203	CD27 antisense RNA 1
24716	ENSG000002028791	LINC00520	0.04	processed_transcript	12	66247894	66263408	long intergenic non-coding RNA 520
29233	ENSG000002026571	INS2	0.04	protein_coding	6	61105017	61105017	pepinase B, group 1 (pepinase) A
4343	ENSG000002172410	INSL5	0.04	protein_coding	1	67263424	67263599	insulin-like 5
5090	ENSG000002009138	SLC2A3	0.04	protein_coding	7	107405912	107406370	solute carrier family 26 (anion exchanger), member 3
5284	ENSG000002173110	HIFP6	0.04	protein_coding	1	161440336	161440681	heat shock 70kDa protein 6 (HSP70B)
5284	ENSG000002173625	BRP7	0.04	protein_coding	12	15097616	15097616	endoplasmic reticulum protein 22
5297	ENSG000002023041	PHGR1	0.04	protein_coding	15	40643234	40643635	proline(isohydroxy)lysine-rich 1
5683	ENSG00000208867	AMP	0.04	protein_coding	16	3154395	3154514	alpha hemoglobin stabilizing protein
5819	ENSG000002120282	SFTPA1	0.04	protein_coding	16	81376269	81376269	serpin family member A1
5919	ENSG000002124102	PI3	0.04	protein_coding	20	43805517	43805518	peptidase inhibitor 3, skin-derived
6384	ENSG000002005996	CRBBP3	0.04	protein_coding	19	41354080	41354367	cAMP responsive element binding protein 3-like 3
6860	ENSG000002039681	SFTPA2	0.04	protein_coding	16	81857496	81857496	serpin family member D
6860	ENSG000002036473	OTC	0.04	protein_coding	X	38211798	38211798	ornithine carbonyltransferase
6884	ENSG000002008405	CLDN18	0.04	protein_coding	3	137717577	137720494	claudin 18
7171	ENSG000002188373	CHIT9B9	0.04	protein_coding	1	85963474	85963474	chromosome 10 open reading frame 99
7619	ENSG000002198843	FAM5D	0.04	protein_coding	3	58619373	58625275	family with sequence similarity 5, member D
7886	ENSG000002193541	ADGR	0.04	protein_coding	7	16831435	168317057	antigen present 2
8116	ENSG000002171218	CD74	0.04	protein_coding	19	7624409	7624409	CD74 molecule
8180	ENSG000002031142	COL2E1	0.04	protein_coding	19	8117651	8117651	chondroectodermal (NC) medf1 ligand 25
8246	ENSG000002135229	CY2P7A1	0.04	protein_coding	2	219664472	219680116	cytochrome P450, family 27, subfamily A, polypeptide 1
8316	ENSG000002191166	MARCK2	0.04	protein_coding	12	11969742	11969742	macrophage receptor with collagenous structure
8679	ENSG000002125999	BPIIFB1	0.04	protein_coding	20	31867286	31867286	B

13233	ENSG00000196548	YHR	14901	3	0.04	protein_coding	7733826	17385776	aryl hydrocarbon receptor
13317	ENSG00000195425	DYR1	14901	3	0.04	protein_coding	18000737	158007771	dynam, light chain, Tokouwa 1
13358	ENSG00000130021	HDHD1	14909	3	0.04	protein_coding	6909961	7062321	haloacid dehalogenase-like hydrolase domain containing 1
13409	ENSG00000152804	HHEX	15029	6	0.04	protein_coding	84447945	84455403	hematopoietically expressed homeobox
13458	ENSG00000196428	BCAS1	15071	4	0.04	protein_coding	105301153	105399774	phospholipase D family member 4
13508	ENSG00000192024	HFEA	15139	3	0.04	protein_coding	27989581	27989581	general transcription factor IIB
13517	ENSG00000138210	PKA2B	15112	2	0.04	protein_coding	4	25142223	phosphotyrosine 4-kinase type 2 beta
13519	ENSG00000124243	BCAS1	15113	2	0.04	protein_coding	49411431	49493714	breast carcinoma amplified sequence 4
13520	ENSG00000125331	PP1CA	15133	9	0.04	protein_coding	87186564	87186564	protein phosphatase 1 catalytic subunit, alpha isozyme
13505	ENSG00000116574	RHOA	15173	3	0.04	protein_coding	22887024	22888124	ras homolog family member U
13571	ENSG00000198832	HNG2C	15232	5	0.04	protein_coding	20756941	26622463	high mobility group nucleosome binding domain 2
13577	ENSG00000164320	USP41	15268	4	0.04	protein_coding	158713044	158713044	ubiquitin-like domain containing C1D phosphatase 1
13589	ENSG00000162620	HEBP2	15285	5	0.04	protein_coding	138724668	138734334	home binding protein 2
13588	ENSG00000123210	INF	15286	3	0.04	protein_coding	31543344	31548113	SMYD3 nuclear domain 1
13587	ENSG00000130921	SOX2	15292	1	0.04	protein_coding	100673520	100673520	SOX1 like (S. cerevisiae)
13890	ENSG00000168297	PKK	15388	9	0.04	protein_coding	58318607	58411748	PK domain containing serine/threonine kinase
13959	ENSG00000129215	SNX8	15444	9	0.04	protein_coding	35030300	35093389	sorting nexin 8
14063	ENSG00000100918	KCCN3	15541	8	0.04	protein_coding	2469314	29170339	potassium voltage-gated channel, KCC1 like subfamily, member 1
14108	ENSG00000163602	RYPB	15547	9	0.04	protein_coding	72420976	72466069	RING1 and YY1 binding protein
14354	ENSG00000137944	CIBL2	15743	6	0.04	protein_coding	8941456	8945836	invariant coregulate-beta lysase 2
14377	ENSG00000102529	GDR3	15759	9	0.04	protein_coding	5901750	5904905	GTP dissociation inhibitor 2
14418	ENSG00000130958	SLC35D2	15788	4	0.04	protein_coding	99082988	99145992	solute carrier family 35 (LUP-GlcNAc/LUP-glucose transporter), member D2
14462	ENSG00000129660	ELOVL5	15827	9	0.04	protein_coding	53132196	53213907	ELOVL fatty acid elongase 5
14524	ENSG00000113728	PCSK1B	15878	2	0.04	protein_coding	144551652	144552730	protonemal lipoprotein factor 11 beta
14574	ENSG00000140497	SCAMP2	15913	7	0.04	protein_coding	75136071	75165706	secretory carrier membrane protein 2
14813	ENSG000001054118	THRAP3	15943	2	0.04	protein_coding	36983017	36770958	thyroid hormone receptor associated protein 3
14835	ENSG00000102633	TRIM10	15961	4	0.04	protein_coding	30119222	30129211	spaggle motif containing, 10
14647	ENSG00000135823	STX6	15988	1	0.04	protein_coding	180941861	18092627	syntaxin 6
14996	ENSG00000128304	TMSF2	16008	9	0.04	protein_coding	101813671	100216280	transmembrane 9 superfamily member 2
14714	ENSG00000135535	CD164	16030	7	0.04	protein_coding	801318	801318	5, 10-methylthioadenosine synthase
14729	ENSG00000135535	CD164	16030	7	0.04	protein_coding	109687717	109703762	CD164 molecule, statorium
14732	ENSG00000134072	CAMK1	16031	8	0.04	protein_coding	8799262	9811678	calcium/calmodulin-dependent protein kinase I
14802	ENSG00000101981	RPL22	16118	12	0.04	protein_coding	72738	72738	ribosomal protein L22, cellular
14876	ENSG00000102727	GAS7	16144	9	0.04	protein_coding	9813926	10101868	growth arrest-specific 7
14879	ENSG00000164603	CTEERD	16145	6	0.04	protein_coding	12489202	125279871	chromosome 7 open reading frame 60
14900	ENSG00000102425	REC2C8	16153	3	0.04	protein_coding	1418376	1418376	transmembrane protein 3
14980	ENSG00000102425	REC2C8	16153	3	0.04	protein_coding	50723151	50747086	piogg/Bac transposable element derived 3
15106	ENSG000001009748	DDX3Y	16332	3	0.04	protein_coding	1501169	1502330	DEAD (Asp-Glu-Ala-Gly) box helicase 3, Y-linked
15248	ENSG00000102517	LOC101913	16333	11	0.04	protein_coding	5373468	5373468	lectin, galactoside-binding, soluble, 12
15401	ENSG00000199959	CD209	16547	8	0.04	protein_coding	7848979	7812454	CD209 molecule
15611	ENSG00000192128	FOA2	16714	6	0.04	protein_coding	15383854	15385005	tafaraz
15620	ENSG00000102628	COL4A3BP	16722	2	0.04	protein_coding	3487720	3487720	collagen family, member A
15667	ENSG00000102482	CDC20A	16758	4	0.04	protein_coding	139094957	139114456	collec-oid domain containing 29A
15696	ENSG000001068135	GNAI3	16780	7	0.04	protein_coding	110091233	110136975	guanine nucleotide binding protein (G protein), alpha inhibiting activly polypeptide 3
15738	ENSG00000106844	FMR3	16781	2	0.04	protein_coding	4607800	4272946	family with sequence similarity 3, member B
15746	ENSG00000117541	DPH5	16812	6	0.04	protein_coding	101541759	101541754	fracture callus 1 homolog (ret) (FCX1), mRNA
15759	ENSG00000116478	HDAC1	16827	4	0.04	protein_coding	32737887	32799236	histone deacetylase 1
15796	ENSG00000115519	K14	16853	3	0.04	protein_coding	143635087	14370989	keratinase
15874	ENSG00000102115	MLANA	16900	8	0.04	protein_coding	5819069	5819069	membrane protein 4
15964	ENSG00000170144	HNRPA2	16960	6	0.04	protein_coding	217807291	17688886	heterogeneous nuclear ribonucleoprotein A3
16008	ENSG00000143791	MDM2	17035	1	0.04	protein_coding	8992620	9143942	membrane bound 2-acyltransferase domain containing 2
16008	ENSG00000143791	MDM2	17035	1	0.04	protein_coding	8313058	8547033	ATPase, aminophosphotransferase, class I, type IB, member 1
16178	ENSG00000121389	TREX1	17155	5	0.04	protein_coding	48504445	48500404	three prime repair exonuclease 1
16182	ENSG00000128872	TMO2C	17163	5	0.04	protein_coding	52043758	52108869	topogmodin 2 (neuronal)
16186	ENSG00000105487	MUC2A	17169	3	0.04	protein_coding	2206698	2211953	mitochondrial calcium uptake 2
16630	ENSG00000102624	TMM10B	17499	1	0.04	protein_coding	6502715	6530028	Fracture callus 1 homolog (Ret), cDNA FLJ11268 fls, clone PLAC1009186, highly similar to Mitochondrial inner membrane translocase subunit Tmm10b, cDNA, FLJ52024, Homo sapiens
16992	ENSG00000106144	CASP2	17782	4	0.04	protein_coding	142983038	14300788	casease 2, apoptosis-related cysteine peptidase
17032	ENSG00000185305	ARL15	17803	9	0.04	protein_coding	5317975	5308642	ADP-ribosylation factor-like 15
17043	ENSG00000119201	SIY	17803	2	0.04	protein_coding	8549267	8549267	synectin/alpha2
17129	ENSG00000148483	TMEM236	17870	4	0.04	protein_coding	11774251	11784287	transmembrane protein 236
17147	ENSG00000119838	NEK9	17888	8	0.04	protein_coding	7554882	7559447	NIMA-related kinase 9
17176	ENSG00000104796	CTSC	17922	3	0.04	protein_coding	3467788	3467788	potassium channel transmembrane domain containing 9
17197	ENSG000001008123	HDAC2	17918	4	0.04	protein_coding	4817656	4822615	histone deacetylase 2
17202	ENSG00000129100	GCN5	17920	9	0.04	protein_coding	3553993	3508082	cyclin Y
17418	ENSG00000112221	RCCN1	18024	3	0.04	protein_coding	1290944	1290944	retinoblastoma binding protein 5
17450	ENSG00000197323	TRIM33	18044	4	0.04	protein_coding	114935398	115053781	tripartite motif containing 33
17479	ENSG00000182692	VICAM1	18118	9	0.04	protein_coding	10118259	10120401	vascular cell adhesion molecule 1
17484	ENSG00000116528	CHMP1B	18123	6	0.04	protein_coding	988815	988815	ubiquitin specific protease 1 (ubiquitin associated)
17620	ENSG00000148067	FAM1193B	18147	3	0.04	protein_coding	176948789	176948152	family with sequence similarity 193, member B
17629	ENSG00000102605	USB1	18153	2	0.04	protein_coding	88033450	88055522	USB mRNA biogenesis 1
17634	ENSG00000102688	CHNB3	18224	3	0.04	protein_coding	510122	510122	choline kinase 3
17670	ENSG00000102967	CEBPE	18257	4	0.04	protein_coding	2358815	2358825	CCAAT/enhancer binding protein (C/EBP), epsilon
17777	ENSG00000193743	RCHY1	18340	2	0.04	protein_coding	7840427	7843974	ring finger and CHY zinc finger domain containing 1, E3 ubiquitin protein ligase
17780	ENSG00000116468	KIF20B	18369	3	0.04	protein_coding	87412	87412	kinasin binding protein
17825	ENSG00000102948	TBC1D9	18398	9	0.04	protein_coding	141541919	141677274	TBC1 domain family, member 9 (with GRAM domain)
17936	ENSG00000101380	PSRC1	18444	3	0.04	protein_coding	20248896	20357142	pataspeckle component 1
17961	ENSG00000102788	TRK1	18459	3	0.04	protein_coding	115480365	115480365	115480365
17973	ENSG00000159515	PP1R15B	18473	3	0.04	protein_coding	20437215	20438019	protein phosphatase 1, regulatory subunit 15B
18073	ENSG000001008400	GRIFFAP1	18553	3	0.04	protein_coding	4883034	48856675	GRIP1 associated protein 1
18088	ENSG00000143371	CDK21	18574	3	0.04	protein_coding	13008217	13008217	cell division cycle 73
18102	ENSG000001008189	DMT1	18578	9	0.04	protein_coding	61683081	61699796	DMT1 (dimethyladenosine transferase 1 homolog (S. cerevisiae))
18113	ENSG00000156006	NAT2	18585	4	0.04	protein_coding	18248755	18248728	N-acetyltransferase 2 (paraneuronal N-acetyltransferase)
18188	ENSG00000102697	CAPN8	18658	3	0.04	protein_coding	22711489	22780336	capain B
18247	ENSG00000137722	YRN37B	18692	4	0.04	protein_coding	123339882	123339891	vacuolar protein sorting 7 homolog B (S. cerevisiae)
18261	ENSG00000112419	PHACTR2	18778	8	0.04	protein_coding	143897862	144152322	phosphatase and actin regulator 2
18447	ENSG000001078119	SPTZ1	18802	3	0.04	protein_coding	18627946	18656338	SPTZ, Suppressor of T, domain containing 1 (S. cerevisiae)
18474	ENSG00000106988	CDK21	18809	3	0.04	protein_coding	42284261	42284261	upstream binding transcription factor, RNA polymerase I
18548	ENSG00000198908	Csrf17	18988	9	0.04	protein_coding	112721287	112728708	chromosome 3 open reading frame 17
18586	ENSG00000197290	STGAL2	18932	2	0.04	protein_coding	70413336	70413340	ST3 beta-galactoside alpha-2,6-sialyltransferase 2
18694	ENSG00000140441	TRPS1	18937	2	0.04	protein_coding	118620724	118620724	trichostatin A resistant syndrome
18674	ENSG0000010084975	SUJCO	18999	2	0.04	protein_coding	172501489	172501491	SUN domain containing ossification factor
18710	ENSG000001068145	GLCC1	19021	4	0.04	protein_coding	8008425	8133902	glucocorticoid induced transcript 1
18721	ENSG00000105870	ZBL1	19024	4	0.04	protein_coding	107343442	107343442	Cbl proto-oncogene like 1, E3 ubiquitin protein ligase
18772	ENSG00000121486	TRMT1L	19073	2	0.04	protein_coding	185097220	185126204	RNA methyltransferase 1 homolog (S. cerevisiae)
18780	ENSG00000121393	RNBA4	19077	7	0.04	protein_coding	92158087	92167319	RNA binding motif protein 48
18814	ENSG0000010090564	SCRN1	19162	2	0.04	protein_coding	84714621</		

21327	ENSG00000125124	BBISA	21053	0.4	protein_coding	6	56550748	56554101	Barclay-Bard syndrome 2
21347	ENSG00000130321	FAM173A	21054	0.4	protein_coding	4	84532269	84535608	family with sequence similarity 175, member A
21454	ENSG00000111605	CPFB6	21161	0.4	protein_coding	12	69653317	69669138	cleavage and polyadenylation specific factor 6, 68Da
21498	ENSG00000089234	BRAP	21192	0.4	protein_coding	12	112079950	112123790	BRCA1 associated factor 6
21653	ENSG00000154630	ACAP1	21214	0.4	protein_coding	20	24968999	25061816	acyl-CoA synthetase short-chain family member 1
21674	ENSG00000106393	EBF3AL12	21323	0.4	protein_coding	1	19311815	193155194	UDP-Gal 4-epimerase, beta 1, catalytic subunit, polypeptide 2
21894	ENSG00000148735	PLEKH81	21357	0.4	protein_coding	10	115511213	115543188	pleckstrin homology domain containing, family 5 member 1
21897	ENSG00000066549	ZZZ1	21357	0.4	protein_coding	1	78629101	78149104	zinc finger, Z2-type containing 3
22078	ENSG00000066929	LGNB14	21363	0.4	protein_coding	19	40194884	40203984	leucin, glycylglycyl-, soluble, 14
22125	ENSG00000196339	FCN2	21670	0.4	protein_coding	9	13372458	133717954	ficolin (collagen/fibronectin domain containing lectin) 2
22161	ENSG00000100031	CSF1L1	21698	0.4	protein_coding	1	24939172	24942472	chemokine receptor type 1
22169	ENSG00000121318	TAS2R10	21703	0.4	protein_coding	12	10979716	10979687	taste receptor, type 2, member 10
22178	ENSG00000138308	PLAGL2B	21710	0.4	protein_coding	10	74984928	74174536	phospholipase A2, group IIB
22200	ENSG00000101321	CFB2L2	21730	0.4	protein_coding	10	30562645	30619984	central nervous system malformation 2-like
22298	ENSG00000100229	PPPR22	21785	0.4	protein_coding	22	50781733	50835314	protein phosphatase 6, regulatory subunit 2
22323	ENSG00000151861	CSF2R2	21815	0.4	protein_coding	5	43444354	43483995	chromosome 5 open reading frame 28
22346	ENSG00000104220	F0RL2	21816	0.4	protein_coding	7	75911927	75911929	coagulation factor II (thrombin) receptor-like 2
22367	ENSG00000156020	ELMSAN1	21851	0.4	protein_coding	14	74181625	74256688	ELM2 and Myb/SANT-like domain containing 1
22452	ENSG00000125204	WNT11	21911	0.4	protein_coding	12	49172398	49175459	wingless-type MMTV integration site family, member 1
22458	ENSG00000101193	CSF1L1	21912	0.4	protein_coding	11	47421696	47387121	CSDFP, EGF-like family member 1
22488	ENSG00000256528	POLG2	21932	0.4	protein_coding	12	62473902	62483154	polymerase (DNA directed), gamma 2, accessory subunit
22587	ENSG00000168765	GSTM4	22013	0.4	protein_coding	1	101198703	112008118	glutathione S-transferase mu 4
22588	ENSG00000000538	ALDH8B1	22017	0.4	protein_coding	11	67770448	67783144	aldehyde dehydrogenase 8, family, member B1
22682	ENSG00000080345	RIF1	22257	0.4	protein_coding	2	15226397	15226427	RAP1 interacting factor homolog (yeast)
22685	ENSG00000158839	PAGE5	22258	0.4	protein_coding	X	55249788	55250541	P antigen family, member 5 (prostate associated)
22920	ENSG00000104290	CARNS1	22283	0.4	protein_coding	11	78278705	78287201	calnexin 5
22991	ENSG00000047936	ROS1	22348	0.4	protein_coding	6	11768463	11774718	c-ros oncogene 1, receptor tyrosine kinase
23098	ENSG00000120986	KBTBD7	22397	0.4	protein_coding	13	41743969	41788702	kech1 and BTB (POZ) domain containing 7
23084	ENSG00000127498	ATAD4	22404	0.4	protein_coding	13	18311296	18312900	ATAD4, family 2, subfamily B, member 4
23095	ENSG00000130383	ZNF317	22426	0.4	protein_coding	19	9251056	9274100	zinc finger protein 317
23106	ENSG00000124266	ANKRD17	22433	0.4	protein_coding	4	73939093	74124515	ankyrin repeat domain 17
23118	ENSG00000101182	CSF1L1	22433	0.4	protein_coding	4	99717928	99717928	lysozyme-like protein
23124	ENSG00000197914	GSDMA	22442	0.4	protein_coding	17	38119228	38134019	gasdermin A
23146	ENSG00000166343	MSS51	22446	0.4	protein_coding	10	75183339	75183319	MSS51 mitochondrial transcriptional activator
23152	ENSG00000101793	KUAD3	22448	0.4	protein_coding	13	14132813	14132813	KUAD3
23240	ENSG00000185619	PCGF3	22540	0.4	protein_coding	4	699537	784428	polycomb group ring finger 3
23271	ENSG00000158161	EVA3	22557	0.4	protein_coding	1	28256855	28412507	eyes absent homolog 3 (Drosophila)
23298	ENSG00000101629	PKLKL1	22558	0.4	protein_coding	11	11458108	11458108	neurospadin and PC-esterase domain family, member 2
23307	ENSG00000182156	ENKPF7	22585	0.4	protein_coding	17	77704881	77716021	acetylcholinesterase phosphatidylesterase 7
23314	ENSG00000098652	IFRD1	22591	0.4	protein_coding	7	12283223	11212172	interferon-related developmental regulator 1
23333	ENSG00000101504	CYR11	22591	0.4	protein_coding	11	14888106	14888106	cytochrome P450, family 2, subfamily R, polypeptide 1
23339	ENSG00000092929	CAPN3	22619	0.4	protein_coding	15	42640001	42704516	calpain 3, p84
23374	ENSG00000160138	CLDN22	22648	0.4	protein_coding	19	51810352	51817257	claudin domain containing 22
23388	ENSG00000101199	PKLR1	22655	0.4	protein_coding	4	71262927	71262927	protein rich, isoform 1
23427	ENSG00000166268	SULCL1	22663	0.4	protein_coding	6	12633617	12634358	solute carrier family 1 (bile salt/taurochenodeoxycholate transporter), member 6
23442	ENSG00000115942	ORC2	22690	0.4	protein_coding	2	20173996	20182403	origin recognition complex, subunit 2
23452	ENSG00000186299	GOLGA4R	22695	0.4	protein_coding	15	30659594	30730443	galactose 4-epimerase
23453	ENSG00000086274	MYN1	22717	0.4	protein_coding	6	16840919	16840704	myosin
23512	ENSG00000166801	PNC9	22736	0.4	protein_coding	8	28174503	28200272	preproenkephalin
23567	ENSG00000191372	ZNF92	22853	0.4	protein_coding	19	23708433	23810022	zinc finger protein 92
23674	ENSG00000152466	NMT2	22853	0.4	protein_coding	19	15144588	15157142	N-myristoylation enzyme 2
23675	ENSG00000241973	PLKA1	22874	0.4	protein_coding	22	21081979	21213705	phosphatidylinositol 4-kinase, catalytic, alpha
23689	ENSG00000159677	LING1	22879	0.4	protein_coding	19	54689899	54693620	lysozyme receptor cluster (LRC) member 1
23721	ENSG00000161414	GRIN3	22912	0.4	protein_coding	47	47117333	47117342	glycine nucleotide binding protein (5 protein), gamma 8
23768	ENSG00000257949	TEN1	22948	0.4	protein_coding	7	73975301	73986667	TEN1 GST complex subunit 2
23788	ENSG00000170819	BFSP2	23006	0.4	protein_coding	3	13311839	13319496	beaded filament structural protein 2, p14kmin
23808	ENSG00000114666	ZNF262	23042	0.4	protein_coding	6	8785256	8785256	zinc finger protein 262
23842	ENSG00000186135	HIF1AN	23063	0.4	protein_coding	10	10228829	10219755	hypoxia inducible factor 1, alpha subunit inhibitor
23868	ENSG00000197885	TMD4	23117	0.4	protein_coding	5	15634293	15636298	T-cell immunoglobulin and mucin domain containing 4
23970	ENSG00000101586	ICB2L1	23121	0.4	protein_coding	11	19711438	19711438	zinc finger and BTB domain containing 4
23976	ENSG00000144130	NTSDC4	23123	0.4	protein_coding	2	11347903	11350046	5'-nucleotidase domain containing 4
24029	ENSG00000150373	UPK3A	23167	0.4	protein_coding	22	45683983	45691755	uroplakin 3A
24030	ENSG00000101557	IL7	23167	0.4	protein_coding	2	11367449	11367449	interleukin 7
24040	ENSG00000171169	NAF1	23172	0.4	protein_coding	9	13082512	13083045	nuclear apoptosis inducing factor 1
24083	ENSG00000121053	EPX	23209	0.4	protein_coding	17	56271098	56282535	estradiol-inducible protein
24117	ENSG00000104962	FAM191	23219	0.4	protein_coding	3	6805719	6805719	family with sequence similarity 19, chromosome C-C motif-like, member A1
24145	ENSG00000180999	C1orf105	23261	0.4	protein_coding	1	17238928	17243791	chromosome 1 open reading frame 105
24182	ENSG00000204644	ZFP97	23301	0.4	protein_coding	6	2964169	2964887	ZFP97 zinc finger protein
24193	ENSG00000191793	CCND3	23301	0.4	protein_coding	6	6800128	6800128	cellular cyclin dependent kinase 3, subfamily H, member 2
24218	ENSG00000213185	FAM24B	23337	0.4	protein_coding	10	12408554	124639157	family with sequence similarity 24, member B
24270	ENSG00000120471	TP53AP1	23376	0.4	protein_coding	11	12884628	128819340	tumor protein p53 regulated apoptosis inducing protein 1
24286	ENSG00000144481	ARMC10	23383	0.4	protein_coding	2	23468103	23468103	transient receptor potential cation channel, subfamily M, member 8
24290	ENSG00000170982	ARMC10	23389	0.4	protein_coding	7	10271528	10274026	armadillo repeat containing 10
24381	ENSG00000198834	ILK1	23474	0.4	protein_coding	1	20894947	20894938	interleukin 10
24384	ENSG00000100238	RPL30	23474	0.4	protein_coding	1	17608089	17608089	ribosomal protein L30 (RPL30) domain, member 1
24398	ENSG00000170279	C7orf53	23487	0.4	protein_coding	7	14828767	14831282	chromosome 7 open reading frame 53
24410	ENSG00000137400	E2F5	23494	0.4	protein_coding	8	8068480	8112987	E2F transcription factor 5, p130-binding
24420	ENSG00000101628	CPK6	23503	0.4	protein_coding	20	421893	421893	serum/glucocorticoid induced kinase 2
24440	ENSG00000104299	INTS9	23517	0.4	protein_coding	8	2862578	2874749	integrator complex subunit 9
24450	ENSG00000124487	PCSB	23523	0.4	protein_coding	19	6293638	62937559	pregnancy specific beta 1-glycoprotein 8
24513	ENSG00000101358	BAR1	23570	0.4	protein_coding	19	11573070	11573070	BAR-related arginin receptor 3
24521	ENSG00000188277	C1orf62	23574	0.4	protein_coding	15	41062159	41064443	chromosome 15 open reading frame 62
24578	ENSG00000182853	VMO1	23512	0.4	protein_coding	17	4688580	4689728	vitellogenin membrane outer layer 1 homolog (chicken)
24598	ENSG00000172624	CELSR4	23532	0.4	protein_coding	16	61024992	61049461	carboxylesterase 4A
24608	ENSG00000104206	NTRK1	23541	0.4	protein_coding	10	10254817	10254817	neurotrophic receptor tyrosine kinase type 3
24622	ENSG00000202539	NTFM	23568	0.4	protein_coding	17	17206649	17250977	5'-3' nucleotidase, mitochondrial
24633	ENSG00000184687	INMC	23668	0.4	protein_coding	15	15133970	15068794	invertebrate nervous system (Drosophila)
24637	ENSG00000098745	CCND3	23669	0.4	protein_coding	6	45683986	45707612	cellular cyclin dependent kinase 3, subfamily H, member 2
24652	ENSG00000101391	CDKSRAP1	23687	0.4	protein_coding	20	31948645	31989367	CDK5 regulatory subunit associated protein 1
24661	ENSG00000129211	NMR2C	23692	0.4	protein_coding	5	15171093	15181269	neuraminidase 2, subunit C
24662	ENSG00000146295	ANR10	23693	0.4	protein_coding	11	15988278	15988278	ankyrin repeat and SOCS box containing 10
24689	ENSG00000184459	BFIC6	23730	0.4	protein_coding	22	52869854	52869854	BF1 fold containing family C
24702	ENSG00000112699	CLU5	23732	0.4	protein_coding	4	43149913	43192325	clathrin 5
24724	ENSG00000143443	C2orf78	23732	0.4	protein_coding	6	18787672	18810197	chromosome 2 open reading frame 78
24748	ENSG00000184308	CLCNKB	23772	0.4	protein_coding	1	18170272	18183803	chloride channel, voltage sensitive Bk
24771	ENSG00000178926	MIR39P3	23799	0.4	protein_coding	11	18142502	18180027	MAS-related GPR, member X3

26712	ENS00000142621	FHAD1	24568	0.04	protein_coding	1	15573768	15726779	forkhead-associated (FHA) phosphopeptide binding domain 1
26713	ENS00000115509	CRHM1	24570	0.04	protein_coding	9	12520397	12520397	collyrin receptor, family 7, subfamily N, member 1
26728	ENS00000242028	HYTK	24582	0.04	protein_coding	15	44063440	44095241	huntingtin interacting protein K
26731	ENS00000196159	LRTM2	24584	0.04	protein_coding	12	1626433	1945918	leucine-rich repeats and transmembrane domains 2
26742	ENS00000175318	GRM3	24591	0.04	protein_coding	15	74251248	72480128	GRAM domain containing 2
26751	ENS00000144919	ZNFND15	24593	0.04	protein_coding	19	4643318	4643318	zinc finger, ATX-type containing 15
26772	ENS00000070701	UPP2	24615	0.04	protein_coding	2	158733214	158926266	uridine phosphorylase 2
26779	ENS00000188316	PDYN	24618	0.04	protein_coding	10	72422599	72521197	ADAM metalloproteinase with thrombospondin type 1 motif, 14
26784	ENS00000195634	PFRP17	24620	0.04	protein_coding	7	19592403	19743238	protein phosphatase 1, regulatory subunit 17
26813	ENS00000194755	APR32	24652	0.04	protein_coding	10	12421468	12421688	age-related maculopathy susceptibility 2
26845	ENS00000160404	TOR2A	24708	0.04	protein_coding	9	330483803	330487604	torin family 2, member A
26901	ENS00000198400	NTRK1	24726	0.04	protein_coding	1	156785432	156819402	neurotrophic tyrosine kinase, receptor, type 1
26908	ENS00000192504	CERP2	24746	0.04	protein_coding	3	10144300	10149408	centromeres protein 170c
26941	ENS000002081359	TBA1	24761	0.04	protein_coding	16	31213206	31214773	chromosome 16 open reading frame 98
26953	ENS00000121075	DTL1	24761	0.04	protein_coding	17	98529765	98529471	T-box 4
26947	ENS00000200924	DTL2	24766	0.04	protein_coding	22	24309089	24314721	D-disaphorone hydrolase-like
26948	ENS00000173826	KCNH6	24846	0.04	protein_coding	17	61606095	61626338	potassium voltage-gated channel, subfamily H (eag-related), member 6
26907	ENS00000143839	REN	24855	0.04	protein_coding	1	204123444	204135485	renin
26974	ENS00000191529	NANP52	24952	0.04	protein_coding	19	66419475	66419475	nanos homology 2 (Drosophila)
26111	ENS00000137747	TMFRSS13	24960	0.04	protein_coding	11	117771358	117800174	transmembrane protease, serine 13
26123	ENS00000204740	TMFRS2	24962	0.04	protein_coding	10	19462779	20079330	MAM and LDL receptor class A domain containing 1
26124	ENS00000191349	TMEH169	24994	0.04	protein_coding	2	216876569	216876569	transmembrane protein 169
26131	ENS00000153060	TEK15	24988	0.04	protein_coding	16	10742135	10788802	tekin 5
26135	ENS00000182348	ZNF8048	24913	0.04	protein_coding	7	88389882	88983346	zinc finger protein 8048
26165	ENS00000154965	DMH3	24930	0.04	protein_coding	16	20644433	21170792	domain, autoantigen heavy chain 3
26180	ENS00000104882	KLC3	24852	0.04	protein_coding	19	45836852	45847776	kinesin light chain 3
26198	ENS00000182804	SMED1	24969	0.04	protein_coding	2	241938255	242034883	smad, nidogen and EGF-like domains 1
26207	ENS00000191701	KLKB1	24983	0.04	protein_coding	8	9849388	9849388	domain, autoantigen heavy chain 3
26249	ENS00000155553	NSG	25003	0.04	protein_coding	14	77731826	77737655	neuroglobin
26266	ENS00000186021	ZNF208	25017	0.04	protein_coding	19	22115760	22193751	zinc finger protein 208
26276	ENS00000156667	SLC22A10	25019	0.04	protein_coding	12	10866320	10866320	solute carrier family 22 (organic anion transporters), member 7
26273	ENS00000101787	LHX3	25019	0.04	protein_coding	9	139080500	139090555	LIM homeobox 3
26290	ENS000002024612	FOXK2	25042	0.04	protein_coding	9	79634571	79635869	forkhead box B2
26371	ENS00000195928	AC10522	25073	0.04	protein_coding	3	5281333	5281333	phenylalanine hydroxylase 2, mitochondrial
26376	ENS00000193715	ANGPTL5	25118	0.04	protein_coding	11	101781405	101787253	angiopoietin-like 5
26385	ENS00000144844	GAL4	25125	0.04	protein_coding	3	30747692	30836257	glutamate decarboxylase-like 1
26392	ENS00000190558	LOC100296762	25126	0.04	protein_coding	8	2011368	120183769	UchLanch-related protein
26401	ENS00000176949	JAMIP2	25140	0.04	protein_coding	5	146867990	147162338	janus kinase and microtubule interacting protein 2
26418	ENS00000191777	GPR123	25152	0.04	protein_coding	10	134884433	134845719	G-protein-coupled receptor 123
26433	ENS00000191969	KIAA0369	25158	0.04	protein_coding	19	191814	191814	potassium voltage-gated channel, subfamily H (eag-related), member 8
26448	ENS00000198198	KIAA0355	25188	0.04	protein_coding	19	34745442	34846481	KIAA0355
26450	ENS00000146215	CRP3	25191	0.04	protein_coding	6	43247448	43276535	cysteine-rich protein 3
26481	ENS00000149501	CUB1	25220	0.04	protein_coding	11	86660776	86134151	collectin domain containing 81
26486	ENS00000198963	HSPB3	25236	0.04	protein_coding	16	20740268	20740268	Hsp70 binding protein 3
26501	ENS00000133685	DYDC2	25234	0.04	protein_coding	10	82140501	82127629	DYF30 domain containing 2
26502	ENS000002049903	THEGL	25235	0.04	protein_coding	4	67380775	67469973	theta germinal protein-like
26504	ENS00000192151	LOC100296751	25235	0.04	protein_coding	22	30681227	30695471	UchLanch-related protein
26545	ENS00000124143	ARHGAP40	25274	0.04	protein_coding	20	37230577	37279878	Rho GTPase activating protein 40
26551	ENS00000186511	EVAT1	25277	0.04	protein_coding	4	63214602	63225329	HIC1/2/4/17, UchLanch-related protein
26551	ENS00000186978	EVAT2	25278	0.04	protein_coding	21	33743414	33887107	eva 2, homolog (C. elegans)
26569	ENS00000132849	INADL	25295	0.04	protein_coding	1	62204149	62629592	inad-like (Drosophila)
26569	ENS00000183378	OVCH2	25302	0.04	protein_coding	11	17136699	17727988	ovochymase 2 (amino-subtilisin)
26590	ENS00000196311	SPIC1	25311	0.04	protein_coding	13	113161565	113216324	sonic and cyclin-like associated protein 11
26621	ENS000003007402	CACNA2D2	25341	0.04	protein_coding	3	53040233	50541075	calcium channel, voltage-dependent, alpha 2delta subunit 2
26635	ENS00000186026	ZNF284	25348	0.04	protein_coding	19	44576297	44583769	zinc finger protein 284
26638	ENS00000198265	SLC22A11	25349	0.04	protein_coding	17	64323268	64323268	solute carrier family 22 (organic anion transporters), member 11
26654	ENS00000202496	LOC100296746	25363	0.04	protein_coding	17	41994576	41995326	family with sequence similarity 215, member A (non-protein coding)
26700	ENS00000154303	FLCN	25392	0.04	protein_coding	17	17115526	171140302	folliculin
26701	ENS00000192053	LOC100296752	25392	0.04	protein_coding	12	10866320	10866320	chromosome 10 open reading frame 95
26707	ENS00000196633	GCK	25403	0.04	protein_coding	7	4418372	44237789	glucokinase (hexokinase 4)
26723	ENS00000120370	GORAB	25419	0.04	protein_coding	1	170501270	170525847	glycyl, RAB8-interacting
26729	ENS00000195035	CHC17	25427	0.04	protein_coding	2	11002404	11002404	chromosome 1 open reading frame 127
26733	ENS00000141068	KSR1	25429	0.04	protein_coding	17	2574870	25834461	kinase suppressor of ras 1
26738	ENS00000195035	WSPC2	25433	0.04	protein_coding	12	10852348	10844314	WISC domain containing 2
26745	ENS00000192198	LOC100296753	25433	0.04	protein_coding	12	10852348	10844314	WISC domain containing 2
26753	ENS00000108910	C20orf26	25443	0.04	protein_coding	20	20033158	20033158	chromosome 20 open reading frame 26
26782	ENS00000195650	FAM122C	25473	0.04	protein_coding	X	133930819	133989640	family with sequence similarity 122C
26784	ENS00000170728	AGT2	25474	0.04	protein_coding	8	1947438	1947438	alkaline endo 2
26797	ENS00000191615	POU4F2	25489	0.04	protein_coding	4	14750045	14756326	POU class 4 homeobox 2
26803	ENS00000198150	CLNKA7	25512	0.04	protein_coding	1	16485370	16805045	chloride channel, voltage-sensitive Ka
26818	ENS00000198188	ANKRD17	25517	0.04	protein_coding	19	3308138	33124166	ankyrin repeat domain 17 (SP50 domain)
26851	ENS00000202523	SARNP	25527	0.04	protein_coding	12	59146247	59152140	SAP domain containing ribonucleoprotein
26854	ENS00000197356	SCUBE2	25528	0.04	protein_coding	11	8041071	8195881	signal peptide, CUB domain, EGF-like 2
26861	ENS00000197356	SCUBE2	25528	0.04	protein_coding	12	596818	54835883	UchLanch-related protein
26868	ENS00000148832	PAOX	25540	0.04	protein_coding	10	135126565	13520598	polyamine oxidase (sex-N4 amino)
26913	ENS00000197851	CCER1	25577	0.04	protein_coding	12	91299399	91498953	collectin domain containing 11
26968	ENS00000191445	KIAA0339	25618	0.04	protein_coding	12	1974948	19771386	KIAA0339
27003	ENS00000197785	ZNF558	25662	0.04	protein_coding	19	892300	894304	zinc finger protein 558
27020	ENS00000200827	ZFAT	25678	0.04	protein_coding	8	135490031	135725292	zinc finger and AT hook domain containing
27023	ENS00000145993	RFX1	25712	0.04	protein_coding	11	11321632	11321632	family with sequence similarity 19, chromosome 10 (C-C motif), member A3
27068	ENS00000171509	RFX1	25723	0.04	protein_coding	4	15923463	15957424	relaxin/insulin-like family peptide receptor 1
27081	ENS00000182746	FCRLB	25739	0.04	protein_coding	1	161691353	161697933	Fc receptor-like B
27088	ENS00000183309	ZNF283	25742	0.04	protein_coding	8	144718183	144739900	zinc finger protein 283
27121	ENS00000101713	KCNT1	25752	0.04	protein_coding	3	139518011	139549492	potassium channel, subfamily J, member 1
27145	ENS00000157219	HTRSA	25774	0.04	protein_coding	7	154862034	154877459	5-hydroxytryptamine (serotonin) receptor 5A, G-protein-coupled
27145	ENS00000202390	LOC100296754	25783	0.04	protein_coding	12	16151059	16221430	UchLanch-related protein
27151	ENS00000196884	RBM19	25793	0.04	protein_coding	12	114244543	114404176	RNA binding motif protein 19
27152	ENS00000196884	ASB2	25798	0.04	protein_coding	17	13348105	132911983	acid-sensing (voltage-gated) ion channel 2
27159	ENS00000191239	BGAT2	25805	0.04	protein_coding	6	17568382	17666641	beta-1,3-glucuronidyltransferase 2 (glucuronosyltransferase 5)
27201	ENS00000194498	ZNF134P	25849	0.04	protein_coding	8	220462862	220462862	zinc finger protein 134
27318	ENS00000186486	ZNF396	25828	0.04	protein_coding	18	32946681	32957901	zinc finger protein 396
27329	ENS00000191694	HAPLN1	25841	0.04	protein_coding	19	19688490	19713805	hyaluronan and associated link protein 4
27334	ENS00000202598	LOC100296755	25849	0.04	protein_coding	18	11810445	11810445	Protein LOC100296755
27372	ENS00000132781	MUTYH	25974	0.04	protein_coding	1	45734835	45806142	mutY homolog
27376	ENS00000186997	CHP7	25979	0.04	protein_coding	7	99717226	99723134	CHP7 signaling regulator 4
27401	ENS00000192026	FAM103	25979	0.04	protein_coding	15	2474257	24833993	

Table with columns for gene ID, gene symbol, coordinates, and description. It lists numerous genes such as ELL3, ZNF773, LRTOMT, and others, along with their genomic coordinates and functional descriptions.

7775	ENSG00000009020	FCGBP	10499	0.04					
8146	ENSG00000117148		10843	0.04	19	40353963	40440533		Fc fragment of IgG binding protein
9258	ENSG00000256393		11753	0.04					
9317	ENSG00000265517		11804	0.04					
9454	ENSG00000230903		11903	0.04	15	83041000	83125316		ribosomal protein L8 pseudogene 8
9863	ENSG00000259686		12520	0.04					
10481	ENSG00000231342		12721	0.04	X	153809189	153810261		activating transcription factor 4 pseudogene 2
10677	ENSG00000269751		12626	0.04					
11855	ENSG00000269315		13877	0.04					
12170	ENSG00000215261		14192	0.04					
12584	ENSG00000235846		14421	0.04					
12885	ENSG00000259071		14647	0.04					
13881	ENSG00000220472		15234	0.04					
14183	ENSG00000225973		15604	0.04					
14321	ENSG00000215728	FAM21B	15717	0.04	10	47894023	47949412		family with sequence similarity 21, member B
14570	ENSG00000224831		15928	0.04					
14572	ENSG00000262728		15959	0.04					
14886	ENSG00000229436		16156	0.04					
15280	ENSG00000208187		16464	0.04					
16005	ENSG00000228292		17105	0.04					
16145	ENSG00000241899		17138	0.04					
16770	ENSG00000258546		17620	0.04					
16811	ENSG00000254281		17650	0.04					
16838	ENSG00000232258		17672	0.04					
16875	ENSG00000288609		17688	0.04					
17315	ENSG00000227499		17997	0.04					
17410	ENSG00000101073		18099	0.04	11	94800056	94804388		serine/arginine-rich splicing factor 8
17902	ENSG00000240754		18423	0.04					
18043	ENSG00000238018		18531	0.04					
18093	ENSG00000230373		18566	0.04					
18274	ENSG00000234449		18709	0.04					
18335	ENSG00000224447		18753	0.04					
18505	ENSG00000241173		18874	0.04					
18562	ENSG00000227934		18915	0.04					
18592	ENSG00000250436		19231	0.04					
19023	ENSG00000230337		19385	0.04					
19115	ENSG00000205405		19353	0.04					
19395	ENSG00000268978		19563	0.04					
19703	ENSG00000250878		19791	0.04					
19790	ENSG00000259381		19862	0.04					
19992	ENSG00000272567		20021	0.04					
20073	ENSG00000268689		20549	0.04					
20628	ENSG00000272181		20672	0.04					
20872	ENSG00000248350		20696	0.04					
20884	ENSG00000204701		20716	0.04					
21105	ENSG00000170769		20871	0.04					
21463	ENSG00000287317		21188	0.04					
21531	ENSG00000236980		21215	0.04					
21701	ENSG00000289772		21356	0.04					
21793	ENSG00000260006		21421	0.04					
21922	ENSG00000049319		21520	0.04	2	31747550	31806138		steroid-5-alpha-reductase, alpha polypeptide 2 (3-oxo-5-alpha-steroid delta 4-dehydrogenase alpha 2)
21946	ENSG00000232723		21537	0.04					
22031	ENSG00000298151	CCL3L1	21604	0.04	17	34522268	34524157		chemokine (C-C motif) ligand 3-like 3
22114	ENSG00000205142		21666	0.04					
22150	ENSG00000129270	MMP28	21893	0.04	7	34083268	34122711		matrix metalloproteinase 28
22221	ENSG00000238336		21744	0.04	17	12999119	12999222		Small nuclear RNA U13
22345	ENSG00000213688		21834	0.04					
22404	ENSG00000236120		21875	0.04					
22406	ENSG00000208174		21877	0.04					
22468	ENSG00000205182		21917	0.04					
22569	ENSG00000233028		22001	0.04					
22617	ENSG00000227785		22040	0.04					
22694	ENSG00000237699		22104	0.04					
22763	ENSG00000180284		22153	0.04					
22864	ENSG00000221590		22222	0.04					
22960	ENSG00000231795		22347	0.04					
23011	ENSG00000183663		22364	0.04					
23051	ENSG00000228851		22393	0.04					
23087	ENSG00000214144		22423	0.04					
23134	ENSG00000255539		22449	0.04					
23181	ENSG00000271201		22490	0.04					
23210	ENSG00000244235		22517	0.04					
23215	ENSG00000214566		22522	0.04	6	57868989	57897949		glyceraldehyde 3-phosphate dehydrogenase pseudogene 41
23272	ENSG00000238577		22558	0.04		116416289	116416353		Small nuclear RNA U13
23294	ENSG00000231271		22763	0.04					
23338	ENSG00000264246		22810	0.04					
23406	ENSG00000237841		22867	0.04					
23423	ENSG00000213791		22877	0.04					
23462	ENSG00000287771		22700	0.04					
23503	ENSG00000261606		22732	0.04					
23508	ENSG00000231059		22734	0.04					
23540	ENSG00000227805		22752	0.04					
23584	ENSG00000220105		22774	0.04					
23582	ENSG00000271590		22789	0.04					
23621	ENSG00000234402		22820	0.04					
23629	ENSG00000271264		22826	0.04					
23636	ENSG00000264006		22837	0.04					
23680	ENSG00000269886		22884	0.04					
23808	ENSG00000219391		22886	0.04					
23884	ENSG00000264581		22921	0.04					
23886	ENSG00000264552		22922	0.04					
23915	ENSG00000225761		22972	0.04					
23923	ENSG00000281760		22983	0.04					
23969	ENSG00000189265	AGAP9	23109	0.04	10	48189612	48237508		AR/GAP with GTPase domain, ankyrin repeat and PH domain 9
24004	ENSG00000265194		23147	0.04					
24023	ENSG00000226281		23164	0.04					
24038	ENSG00000249489		23170	0.04					
24079	ENSG00000240602		23205	0.04					
24097	ENSG00000251137		23223	0.04					
24106	ENSG00000245662		23220	0.04					
24121	ENSG00000234902		23243	0.04					
24147	ENSG00000217635		23284	0.04					
24187	ENSG00000224163		23304	0.04					
24206	ENSG00000204771		23325	0.04					
24208	ENSG00000236991		23326	0.04					
24212	ENSG00000240992		23329	0.04					
24220	ENSG00000244436		23342	0.04					
24222	ENSG00000236116		23342	0.04					
24240	ENSG00000202789		23352	0.04					
24324	ENSG00000270019		23415	0.04					
24333	ENSG00000102069	UBE2L	23421	0.04	X	142967173	142968355		ubiquitin-conjugating enzyme E2N-like
24355	ENSG00000204832		23432	0.04					
24357	ENSG00000249451		23456	0.04					
24363	ENSG00000206186		23459	0.04					
24418	ENSG00000232033		23499	0.04					
24428	ENSG00000220343		23506	0.04					
24431	ENSG00000252899		23509	0.04					
24473	ENSG00000135689	NUDT18	23536	0.04	8	21964383	21966932		nucleoside diphosphate linked moiety X-type motif 18
24481	ENSG00000271208		23544	0.04					
24491	ENSG00000225812		23553	0.04					
24508	ENSG00000189159	TBC1D3F	23665	0.04	17	36283971	36284915		TBC1 domain family, member 3F
24574	ENSG00000253760		23612	0.04					
24610	ENSG00000239213		23648	0.04					
24623	ENSG00000269691		23669	0.04					
24631	ENSG00000235115		23698	0.04					
24639	ENSG00000231429		23672	0.04					
24674	ENSG00000266549		23707	0.04					
24705	ENSG00000243164		23738	0.04					
24708	ENSG00000235403		23739	0.04					
24728	ENSG00000227639		23753	0.04					
24731	ENSG00000208196		23759	0.04					
24754	ENSG00000226273		23777	0.04					
24799	ENSG00000281401								

26074	ENSG00000248261		24038.9	0.04					
26091	ENSG00000237243		24049.7	0.04					
26121	ENSG00000230903		24079.8	0.04					
26144	ENSG00000215513	PKAKP1	24098.7	0.04	22	20383524	20427835		phosphatidylinositol 4-kinase, catalytic, alpha pseudogene 1
26148	ENSG00000268429		24103.0	0.04					
26168	ENSG00000237673		24127.5	0.04					
26170	ENSG00000261983		24129.4	0.04					
26172	ENSG00000237153		24132.3	0.04					
26177	ENSG00000265451		24138.6	0.04					
26179	ENSG00000256811		24139.2	0.04					
26227	ENSG00000265774	SPANX2-OT1	24174.2	0.04	X	140595843	140738057		SPANX2 overlapping transcript 1 (non-protein coding)
26291	ENSG00000230965		24181.5	0.04					
26292	ENSG00000256981		24193.4	0.04					
26293	ENSG00000268401		24193.4	0.04					
26294	ENSG00000236956		24195.4	0.04					
26274	ENSG00000224796		24211.9	0.04					
26307	ENSG00000220377		24238.6	0.04					
26317	ENSG00000273388		24242.6	0.04					
26330	ENSG00000268121		24256.9	0.04					
26342	ENSG00000254804		24272.9	0.04					
26391	ENSG00000237233		24303.1	0.04					
26405	ENSG00000268932		24330.5	0.04					
26411	ENSG00000262322		24338.2	0.04					
26445	ENSG00000211155		24387.6	0.04					
26458	ENSG00000268955		24371.3	0.04					
26459	ENSG00000228328		24371.9	0.04					
26462	ENSG00000234108		24373.2	0.04					
26463	ENSG00000230882		24373.8	0.04					
26478	ENSG00000268406		24388.7	0.04					
26489	ENSG00000265477		24394.3	0.04					
26490	ENSG00000251613		24395.4	0.04					
26507	ENSG00000215905		24406.9	0.04					
26514	ENSG00000231338		24412.9	0.04					
26516	ENSG00000227502		24415.2	0.04					
26568	ENSG00000234115		24438.2	0.04					
26561	ENSG00000234881		24439.8	0.04					
26567	ENSG00000235410		24441.9	0.04					
26574	ENSG00000270058		24448	0.04					
26582	ENSG00000237398		24450.1	0.04					
26588	ENSG00000253968		24460.6	0.04					
26603	ENSG00000268143		24478.8	0.04					
26614	ENSG00000237179		24492.7	0.04					
26651	ENSG00000232101		24518.4	0.04					
26655	ENSG00000271129		24521.8	0.04					
26661	ENSG00000186148		24527.6	0.04					
26665	ENSG00000236955		24529	0.04					
26673	ENSG00000253139		24537.1	0.04					
26680	ENSG00000264607		24551.9	0.04					
26686	ENSG00000244464		24555	0.04					
26735	ENSG00000230015		24587.6	0.04					
26741	ENSG00000259131		24590.4	0.04					
26748	ENSG00000211808		24596.4	0.04					
26761	ENSG00000214883		24608.9	0.04					
26764	ENSG00000232152		24609.4	0.04					
26765	ENSG00000236485		24609.4	0.04					
26768	ENSG00000186148		24612.7	0.04					
26789	ENSG00000203314		24632.3	0.04					
26797	ENSG00000235475		24638.5	0.04					
26812	ENSG00000242575		24652.3	0.04					
26814	ENSG00000268301		24653	0.04					
26816	ENSG00000234108		24655.5	0.04					
26819	ENSG00000268702		24658.5	0.04					
26837	ENSG00000253383		24677.1	0.04					
26864	ENSG00000230293		24689.2	0.04					
26868	ENSG00000236749		24694.1	0.04					
26873	ENSG00000253479		24699.6	0.04					
26887	ENSG00000231337		24711.6	0.04					
26899	ENSG00000187812		24723.3	0.04					
26918	ENSG00000220745		24736.4	0.04					
26922	ENSG00000254118		24738.2	0.04					
26925	ENSG00000229491		24739.8	0.04					
26933	ENSG00000236844		24743.5	0.04					
26938	ENSG00000232953		24746.7	0.04					
26937	ENSG00000227989		24747.7	0.04					
26948	ENSG00000227955		24757.8	0.04					
26949	ENSG00000236955		24762.7	0.04					
26972	ENSG00000250930		24776.3	0.04	3	125184905	125185007		Small nuclear RNA U13
26983	ENSG00000234793		24783.4	0.04					
26984	ENSG00000236983		24785.1	0.04					
26990	ENSG00000229211		24791	0.04					
26992	ENSG00000251433		24791.4	0.04					
26998	ENSG00000231198		24799.4	0.04					
26917	ENSG00000237162		24815.5	0.04					
26924	ENSG00000231272		24821	0.04					
26921	ENSG00000227790		24829.1	0.04					
26942	ENSG00000231691		24841.9	0.04					
26949	ENSG00000230131		24846.9	0.04					
26960	ENSG00000251128		24847	0.04					
26967	ENSG00000248113		24849.4	0.04					
26962	ENSG00000251066		24853.3	0.04					
26971	ENSG00000272892		24859.2	0.04					
26984	ENSG00000231721		24869.5	0.04					
26105	ENSG00000235241		24887.5	0.04					
26112	ENSG00000243596		24891.7	0.04					
26113	ENSG00000233608		24893.1	0.04					
26120	ENSG00000228802		24900.4	0.04					
26134	ENSG00000268492		24913	0.04					
26138	ENSG00000231144		24913.2	0.04					
26139	ENSG00000268795		24914.7	0.04					
26140	ENSG00000227673		24914.8	0.04					
26147	ENSG00000230261		24921.9	0.04					
26148	ENSG00000273493		24922.4	0.04					
26153	ENSG00000231037		24926.8	0.04					
26157	ENSG00000211817		24931.3	0.04					
26176	ENSG00000268128		24946.2	0.04					
26181	ENSG00000271919		24953.9	0.04					
26201	ENSG00000229137		24973	0.04					
26203	ENSG00000272027		24973.9	0.04					
26206	ENSG00000224884		24979.1	0.04					
26222	ENSG00000231123		24989.3	0.04					
26227	ENSG00000228820		24991.7	0.04					
26228	ENSG00000228855		24991.7	0.04					
26234	ENSG00000233117		24995.6	0.04					
26239	ENSG00000268128		24997.9	0.04					
26247	ENSG00000259701		25002.1	0.04					
26256	ENSG00000234926		25006.9	0.04					
26256	ENSG000002681501		25007.7	0.04					
26297	ENSG00000246211		25008.3	0.04					
26298	ENSG00000232153		25010.1	0.04					
26264	ENSG00000238715		25013.3	0.04	15	65863311	65863411		Small nuclear RNA U13
26281	ENSG00000235371		25031.7	0.04					
26282	ENSG00000237649		25032.3	0.04					
26291	ENSG00000244900		25042.5	0.04					
26311	ENSG00000250990		25067.2	0.04					
26333	ENSG00000268978		25069.8	0.04					
26341	ENSG00000227985		25069.4	0.04					
26351	ENSG00000258136		25103.9	0.04					
26366	ENSG00000270181		25114	0.04					
26372	ENSG00000268615		25115.9	0.04					
26377	ENSG00000231096		25118.8	0.04					
26381	ENSG00000217653		25121.6	0.04					
26386	ENSG00000218323		25128.0	0.04					
26394	ENSG00000266334		25135.2	0.04					
26405	ENSG00000274296		25142.4	0.04					
26407	ENSG00000235339		25145.6	0.04					
26417	ENSG00000231200		25151.3	0.04					
26427	ENSG00000242440		25162.4	0.04					
26453	ENSG00000268490		25195.3	0.04	1	21278950	21278926		RNA 7SL, cytoplasmic RNA U13, pseudogene
26456	ENSG00000268626		25199.2	0.04					
26458	ENSG00000233818		25201.8	0.04					
26477	ENSG00000253923		25218.3	0.04					
26489	ENSG00000250103		25233.7	0.04					
26521	ENSG00000219329		25259.6	0.04					
26529	ENSG00000270499		25292.9	0.04					
26532	ENSG00000233451		25265.1	0.04					
26542	ENSG00000268588		25273.4	0.04					
26574	ENSG00000251116		25288.9	0.04					
26575	ENSG00000250564		25299.1	0.04					
26586	ENSG00000234790		25309.5	0.04					
26592	ENSG00000226077		25313.5	0.04					
26623	ENSG00000233648		25341.9	0.04					

26632	ENSG00000234865		25347.8	0.04					
26641	ENSG00000231607		25351.2	0.04					
26718	ENSG00000259005		25416.6	0.04					
26726	ENSG00000237021		25423.8	0.04					
26727	ENSG00000271623		25424	0.04					
26734	ENSG00000236032		25431.4	0.04					
26743	ENSG00000258754		25437.3	0.04					
26751	ENSG00000231081		25444	0.04					
26752	ENSG00000231391		25444.1	0.04					
26755	ENSG00000236309	18	25445.2	0.04	12533423	12533524			Small nuclear RNA U13
26764	ENSG00000240590		25458	0.04					
26765	ENSG00000237895		25460.6	0.04					
26768	ENSG00000270961		25462.8	0.04					
26781	ENSG00000242086		25471.7	0.04					
26788	ENSG00000230307		25480.8	0.04					
26800	ENSG00000248550		25482.7	0.04					
26801	ENSG00000227038		25484.5	0.04					
26802	ENSG00000225369		25495	0.04					
26808	ENSG000002084178		25500.8	0.04					
26811	ENSG00000233836		25502.6	0.04					
26816	ENSG00000224688		25509.7	0.04					
26830	ENSG00000238939	6	25518.9	0.04	151668162	151668247			Small nuclear RNA U13
26841	ENSG00000232079		25520.1	0.04					
26847	ENSG00000240288		25524.8	0.04					
26864	ENSG00000234943		25534.8	0.04					
26876	ENSG00000162947		25547.8	0.04					
26891	ENSG00000214393		25556.5	0.04					
26900	ENSG00000273129		25587	0.04					
26909	ENSG00000224825		25588.9	0.04					
26938	ENSG00000230970		25596.3	0.04					
26942	ENSG000002081028		25599.2	0.04					
26946	ENSG00000273342		25603.3	0.04					
26948	ENSG00000231354		25604.6	0.04					
26960	ENSG00000259327		25616.4	0.04					
26975	ENSG00000265307		25633.4	0.04					
26977	ENSG00000232955		25638.1	0.04					
26985	ENSG00000233902		25645	0.04					
26990	ENSG00000243403		25655.4	0.04					
27028	ENSG00000230208		25683.8	0.04					
27016	ENSG00000244021		25676.1	0.04					
27019	ENSG00000243088		25677.3	0.04					
27021	ENSG00000240688		25679.2	0.04					
27025	ENSG00000258131		25681.7	0.04					
27028	ENSG00000235279		25684.3	0.04					
27031	ENSG00000269494		25692.6	0.04					
27038	ENSG00000231374		25696.6	0.04					
27046	ENSG00000232046		25701	0.04					
27061	ENSG00000270112		25716.3	0.04					
27069	ENSG00000274268		25723.8	0.04					
27072	ENSG00000259354		25727.4	0.04					
27076	ENSG00000253146		25730.9	0.04					
27146	ENSG00000233037		25738	0.04					
27147	ENSG00000248265		25795.9	0.04					
27149	ENSG00000291442		25797	0.04					
27153	ENSG00000251389		25798.4	0.04					
27155	ENSG00000233735		25803.1	0.04					
27156	ENSG00000284860		25803.2	0.04					
27158	ENSG00000225962		25805.1	0.04					
27165	ENSG00000213386		25815.7	0.04					
27168	ENSG00000285827		25817.9	0.04					
27169	ENSG00000225493		25818.4	0.04					
27177	ENSG00000249823		25823.9	0.04					
27188	ENSG00000252489		25834.9	0.04					
27193	ENSG00000234907		25837.6	0.04					
27207	ENSG00000268105		25848.4	0.04					
27213	ENSG00000259886		25851.4	0.04					
27218	ENSG00000251100		25859.8	0.04					
27238	ENSG00000225803		25873.5	0.04					
27246	ENSG00000253198		25879.3	0.04					
27262	ENSG00000245483		25885.3	0.04					
27266	ENSG00000252685		25889.9	0.04					
27275	ENSG00000265558		25892.5	0.04					
27289	ENSG00000237234		25908.5	0.04					
27295	ENSG00000289989		25914.6	0.04					
27328	ENSG00000233735		25926.5	0.04					
27322	ENSG00000257298		25933.5	0.04					
27328	ENSG00000233974		25939.6	0.04					
27338	ENSG00000223758		25947.8	0.04					
27339	ENSG00000249505		25950.2	0.04					
27342	ENSG00000233132		25952.2	0.04					
27348	ENSG00000232223		25955.2	0.04					
27348	ENSG00000227359		25956.5	0.04					
27353	ENSG00000272361		25963.3	0.04					
27364	ENSG00000236602		25968.4	0.04					
27365	ENSG00000231729		25969.4	0.04					
27368	ENSG00000235358		25971.5	0.04					
27374	ENSG00000252598		25977.2	0.04					
27384	ENSG00000241288		25981.6	0.04					
27387	ENSG00000251443		25987.4	0.04					
27388	ENSG00000257220		25988.1	0.04					
27399	ENSG00000230111		25992.7	0.04					
27403	ENSG00000227875		25993.7	0.04					
27411	ENSG00000237307		26001.8	0.04					
27419	ENSG00000265317		26010.6	0.04					
27426	ENSG000002023387		26014.9	0.04					
27430	ENSG000002081766		26017.1	0.04					
27437	ENSG00000260447		26025.8	0.04					
27444	ENSG00000226852		26032.2	0.04					
27457	ENSG00000259322		26039.1	0.04					
27464	ENSG00000225023		26044.5	0.04					
27469	ENSG00000208847		26049.6	0.04					
27480	ENSG00000235562		26059.8	0.04					
27493	ENSG00000211803		26075.1	0.04					
27498	ENSG00000241213		26078.2	0.04					
27516	ENSG00000197462		26097.9	0.04					
27531	ENSG00000206167		26103.3	0.04					
27559	ENSG00000270656		26124.8	0.04					
27567	ENSG00000285361		26130.3	0.04	5	13809909	138100243		RNA 7SL, cytoplasmic 867, pseudogene
27571	ENSG00000230523		26134.5	0.04					
27577	ENSG00000236498		26137.5	0.04					
27579	ENSG00000259585		26140.3	0.04					
27584	ENSG00000233905		26150.1	0.04					
27596	ENSG00000226889		26151.3	0.04					
27615	ENSG00000272631		26169.5	0.04					
27621	ENSG00000231388		26173.8	0.04					
27626	ENSG00000228796		26177.5	0.04					
27641	ENSG00000273004		26203.4	0.04					
27643	ENSG00000232809		26207.3	0.04					
27648	ENSG000002086441		26209.4	0.04					
27650	ENSG00000237289		26210.3	0.04					
27653	ENSG00000234466		26211	0.04					
27653	ENSG00000270207		26211.4	0.04					
27657	ENSG00000259338		26213.4	0.04					
27661	ENSG00000271090		26219	0.04					
27670	ENSG00000251535		26224.6	0.04					
27707	ENSG00000272745		26257.7	0.04					
27717	ENSG00000226885		26264.4	0.04					
27769	ENSG000002086203		26294.5	0.04					
27761	ENSG00000268157		26296	0.04					
27762	ENSG00000272271		26297.6	0.04					
27763	ENSG00000231969		26299.1	0.04					
27765	ENSG00000238011		26301.8	0.04	5	118404962	118405095		Small nuclear RNA U13
27777	ENSG00000251429		26313.8	0.04					
27781	ENSG00000229222		26317.2	0.04					
27788	ENSG00000232846		26323.4	0.04					
27807	ENSG00000253335		26330	0.04					
27807	ENSG00000254143		26338.2	0.04					
27820	ENSG00000230799		26346	0.04					
27830	ENSG000002081813		26352.8	0.04					
27838	ENSG00000271332		26357	0.04					
27843	ENSG00000268532		26364.5	0.04	20	45938797	45937126		RNA 7SL, cytoplasmic 243, pseudogene
27847	ENSG00000288870		26365.7	0.04					
27851	ENSG00000208493		26369.6	0.04					
27857	ENSG00000272275		26379.1	0.04					
27865	ENSG00000271930		26383.7	0.04					
27870	ENSG00000232445		26388.1	0.04					
27874	ENSG00000254884		26392.8	0.04					
27876	ENSG00000271452		26398.8	0.04					
27888	ENSG00000208113		26406.3	0.04					
27887	ENSG00000255384		26406.6	0.04					

27892	ENSG00000259818		26411	0.04					
27893	ENSG00000259189		26411.3	0.04					
27895	ENSG00000252099		26415.2	0.04					
27919	ENSG00000259087		26436.6	0.04					
27921	ENSG00000264164		26437.3	0.04					
27926	ENSG00000257631		26443.4	0.04					
27961	ENSG00000230355		26477.4	0.04					
27963	ENSG00000259529		26478.3	0.04					
28007	ENSG00000188365		26513.2	0.04					
28009	ENSG00000261481		26515.9	0.04					
28012	ENSG00000261222		26516.9	0.04					
28014	ENSG00000263311		26520.8	0.04					
28026	ENSG00000262226		26527.5	0.04					
28029	ENSG00000179342		26530.6	0.04					
28032	ENSG00000221079		26531.6	0.04					
28047	ENSG00000271369		26547	0.04					
28069	ENSG00000259977		26580.9	0.04					
28086	ENSG00000259439		26590.6	0.04					
28106	ENSG00000267562		26612.2	0.04					
28124	ENSG00000268655		26629.3	0.04					
28128	ENSG00000271211		26633.6	0.04					
28151	ENSG00000265943		26657.1	0.04					
28162	ENSG00000256731		26665.5	0.04					
28167	ENSG00000221475		26671.3	0.04					
28168	ENSG00000211296		26671.7	0.04					
28185	ENSG00000251461		26685.7	0.04					
28188	ENSG00000259225		26686.1	0.04					
28197	ENSG00000271263		26693.1	0.04					
28226	ENSG00000261135		26721.9	0.04					
28228	ENSG00000259545		26734.4	0.04					
28236	ENSG00000273481		26737.8	0.04					
28249	ENSG00000261357		26746.9	0.04					
28252	ENSG00000254558		26749.3	0.04					
28263	ENSG00000250234		26763.1	0.04					
28264	ENSG00000257256		26763.6	0.04					
28279	ENSG00000257629		26771	0.04					
28284	ENSG00000251459		26771.9	0.04					
28287	ENSG00000257910		26772.2	0.04					
28288	ENSG00000271142		26778	0.04					
28290	ENSG00000255966		26778.4	0.04					
28300	ENSG00000235225		26786.3	0.04					
28321	ENSG00000265657		26813.3	0.04					
28344	ENSG00000271698		26826.7	0.04					
28351	ENSG00000269311		26836.4	0.04					
28365	ENSG00000264540		26846.6	0.04					
28376	ENSG00000271797		26854.2	0.04					
28415	ENSG00000238058		26895.4	0.04					
28446	ENSG00000261732		26923.6	0.04					
28447	ENSG00000269402	17	26924.6	0.04	30566379	3006865			Uncharacterized protein
28468	ENSG00000261737		26945.1	0.04					
28496	ENSG00000261251		26969	0.04					
28504	ENSG00000269444		26983.2	0.04					
28527	ENSG00000268129		27003.5	0.04					
28541	ENSG00000232577		27020.9	0.04					
28546	ENSG00000241710	12	27023.3	0.04	42636017	42636316			RNA, 75L, cytosolic; 10, pseudogene
28558	ENSG00000261334		27028.3	0.04					
28561	ENSG00000185065		27030.6	0.04					
28565	ENSG00000259262		27033.5	0.04					
28587	ENSG00000186951		27060.8	0.04					
28592	ENSG00000261723		27064.1	0.04					
28597	ENSG00000261821	1	27064.3	0.04	28843888	28844087			Small nuclear RNA U13
28606	ENSG00000223167	11	27080.9	0.04	47636450	47636546			Y RNA
28616	ENSG00000231357		27088.5	0.04					
28621	ENSG00000251456		27103.4	0.04					
28623	ENSG00000272908		27095.3	0.04					
28635	ENSG00000252121		27103.4	0.04					
28642	ENSG00000251717		27112.9	0.04					
28667	ENSG00000234181		27135.9	0.04					
28690	ENSG00000268170		27160.9	0.04					
28701	ENSG00000253488		27182.3	0.04					
28711	ENSG00000255500		27187.1	0.04					
28717	ENSG0000027896		27189.1	0.04					
28725	ENSG00000269968		27188.3	0.04					
28734	ENSG00000273483		27206.1	0.04					
28742	ENSG00000274248		27217.7	0.04					
28753	ENSG00000258374		27225.3	0.04					
28780	ENSG00000247081		27263.6	0.04					
28781	ENSG00000241306		27264.4	0.04					
28791	ENSG00000217158		27270.3	0.04					
28815	ENSG00000258484	15	27288	0.04	96904487	96904900			Uncharacterized protein
28816	ENSG00000251095		27288.3	0.04					
28824	ENSG00000269973		27293.8	0.04					
28856	ENSG00000250762		27324.8	0.04					
28885	ENSG00000253671		27349.4	0.04					
28884	ENSG00000231387		27369	0.04					
28913	ENSG00000271297		27377.2	0.04					
28989	ENSG00000271847		27441	0.04					
29024	ENSG00000272473		27469.5	0.04					
29031	ENSG00000271258		27477.4	0.04					
29034	ENSG00000214770		27482.2	0.04					
29041	ENSG00000262560		27488	0.04					
29056	ENSG00000262232		27506.5	0.04					
29066	ENSG00000266118		27513.8	0.04					
29081	ENSG00000271954		27526.9	0.04					
29114	ENSG00000259752		27549	0.04					
29132	ENSG00000266263		27565.4	0.04					
29143	ENSG00000249140		27562.3	0.04					
29151	ENSG00000260147		27592.1	0.04					
29182	ENSG00000272520		27617.6	0.04					
29209	ENSG00000271921		27650.6	0.04					
29229	ENSG00000271750		27654.0	0.04					
29231	ENSG00000272093		27664	0.04					
29236	ENSG00000248100		27671.5	0.04					
29264	ENSG00000263483		27684.4	0.04					
29283	ENSG00000261033		27707.7	0.04					
29296	ENSG00000269172		27725.9	0.04					
29303	ENSG00000260285		27731.5	0.04					
29332	ENSG00000228350		27763.6	0.04					
29393	ENSG00000264084		27826.3	0.04					
29413	ENSG00000272692		27840.5	0.04					
29423	ENSG00000228150		27850.5	0.04					
29426	ENSG00000268108		27855.3	0.04					
29474	ENSG00000253050		27883.5	0.04					
29623	ENSG00000256884		28024.1	0.04					
29642	ENSG00000231742		28039.8	0.04					
29667	ENSG00000254558		28057.8	0.04					
29987	ENSG00000271769		28359.6	0.04					
19791	ENSG00000259330		18652.6	0.03	antisense	15	40617417	40618916	long intergenic non-protein coding RNA 964
19873	ENSG00000241271	ZBED5-AS1	19931.8	0.03	antisense	11	10973608	10973649	ZBED5 antisense RNA 1
23204	ENSG00000230148	HOXB-AS1	22512.9	0.03	antisense	17	46620913	46628610	HOXB cluster antisense RNA 1
24479	ENSG000002681485	PANX-AS1	23343.3	0.03	antisense	13	28710980	28712330	PANX antisense RNA 1
24764	ENSG00000253663	NRX1-AS1	23769.1	0.03	antisense	14	36984683	36989221	NRX1 antisense RNA 1
25554	ENSG000002681500	DLGAP1-AS5	24343.8	0.03	antisense	18	4284902	4295405	DLGAP1 antisense RNA 5
25570	ENSG00000196167	COLCA1	24444	0.03	antisense	11	11156414	11117570	colorectal cancer associated 1
26276	ENSG00000264049	DNAH9B-AS1	25600	0.03	antisense	3	12816247	12819190	DNAH9B antisense RNA 1
7109	ENSG00000230886		25993.4	0.03	antisense	10	10352478	10352473	CYP17A1 antisense RNA 1
27086	ENSG00000251276		25714.9	0.03	antisense	7	7859196	78570211	MAG2 antisense RNA 1
27162	ENSG00000269563	LINC00515	25626.5	0.03	antisense	21	29925096	29955508	long intergenic non-protein coding RNA 515
27186	ENSG00000260203		25626.5	0.03	antisense	9	127420746	127460910	MRB1A3 host gene (non-protein coding)
27228	ENSG00000253649		25643.3	0.03	antisense	8	10340388	10405095	protease, serine, 51
27284	ENSG00000237636		25914.6	0.03	antisense	A	18928414	18912915	PRKAZ antisense RNA 1
27319	ENSG00000233463	PCDH9-AS4	25929	0.03	antisense	14	6756016	67576139	PCDH9 antisense RNA 4
27620	ENSG00000228775	VEE1-AS1	26172.9	0.03	antisense	7	141404138	141438146	VEE1 antisense RNA 1
27720	ENSG00000272629	SRGAP3-AS3	26267.4	0.03	antisense	3	9258971	9258971	SRGAP3 antisense RNA 3
27740	ENSG00000241496	ZNF148-1	26311.1	0.03	antisense	10	8073385	80827622	ZNF148 antisense RNA 1
27831	ENSG00000224730	ZNF148-1	26352.9	0.03	antisense	19	55147713	55150343	Uncharacterized protein
27832	ENSG00000225390		26353.1	0.03	antisense	13	39395925	39401707	PREM2 antisense RNA 1
28100	ENSG00000230330		26607.6	0.03	antisense	16	19776016	19776016	SMN2 antisense RNA 1
28114	ENSG00000241155		26618.3	0.03	antisense	3	11903340	119041607	ARHGAP31 antisense RNA 1
28331	ENSG00000231921	LINC01137	26620.5	0.03	antisense	1	37620480	37640012	long intergenic non-protein coding RNA 1137
28351	ENSG00000252626		26621.2	0.03	antisense	15	11362128	11362138	MYC3L antisense RNA 1
28632	ENSG00000230005		27102.3	0.03	antisense	1	22791532	22793482	SNAP47 antisense RNA 1
28771	ENSG00000254542		27246.7	0.03	antisense	11	20002425		

29820	ENSG00000224148		28200	0.03	antisense	23	99229488	99231084	31234 antisense RNA 1
29820	ENSG00000224149	NCP14L-AS1	28200	0.03	antisense	4	22907575	22907575	NCP14 antisense RNA 1
29916	ENSG00000241313	WVTR1-AS1	25288	0.03	antisense	3	149374907	149379151	WVTR1 antisense RNA 1
30014	ENSG00000223008	BVES1-AS1	28287	0.03	antisense	6	105581483	105617820	BVES1 antisense RNA 1
30268	ENSG00000224417		28639	0.03	antisense	3	129042326	129045068	H1TF antisense RNA 3
30356	ENSG00000225961	DENND5B-AS1	28592	0.03	antisense	12	31749600	31749600	DENND5B antisense RNA 1
30488	ENSG00000226819	MEIS1-AS3	28782	0.03	antisense	2	69653867	69660002	MEIS1 antisense RNA 3
30585	ENSG00000226200		29020	0.03	antisense	1	44146348	44173869	KDNA antisense RNA 1
31108	ENSG00000224389	IPO8-AS1	29123	0.03	antisense	1	201957887	201958887	IPO8 antisense RNA 1
31601	ENSG00000225961	RPH1-AS1	29331	0.03	antisense	8	144448804	144450718	RPH1 antisense RNA 1 (read to head)
30640	ENSG00000211959	PKN-AS1	29601	0.03	antisense	12	120836968	120839841	PKN antisense RNA 1
20535	ENSG00000211911		20451	0.03	IG C _H gene	14	106351889	106351889	immunoglobulin heavy constant mu immunoglobulin heavy diversity 3-22
12259	ENSG00000211994		14167	0.03	IG V _H gene	2	89116098	89180434	immunoglobulin kappa joining 4
14001	ENSG00000241294		7908	0.03	IG V _H gene	14	106431963	106511932	immunoglobulin heavy chain J2 (pseudogene)
5210	ENSG00000241294		7908	0.03	IG V _H gene	2	89475812	89476644	immunoglobulin kappa variable 2-24
5484	ENSG00000211673		8205	0.03	IG V _H gene	22	23222896	23223276	immunoglobulin lambda variable 3-1
3791	ENSG00000220276		8591	0.03	IG V _H gene	2	89667759	89669693	immunoglobulin kappa variable 1-33
5797	ENSG00000211959		8565	0.03	IG V _H gene	14	106877619	106878126	immunoglobulin heavy variable 4-39
5799	ENSG00000211959		8570	0.03	IG V _H gene	14	106892994	106893076	immunoglobulin heavy variable 4-34
3171	ENSG00000211922		8924	0.03	IG V _H gene	14	107111953	107113560	immunoglobulin heavy variable 3-66
6480	ENSG00000211862		9281	0.03	IG V _H gene	22	23054174	23055688	immunoglobulin lambda variable 3-21
19532	ENSG00000211867		16655	0.03	IG V _H gene	22	23114317	23115079	immunoglobulin lambda variable 3-12
3276	ENSG00000223957		5047	0.03	IG V _H pseudogene	14	108714300	108714621	immunoglobulin heavy variable 3-22 (pseudogene)
18814	ENSG00000224607		17653	0.03	IG V _H pseudogene	2	90007877	90008154	immunoglobulin kappa variable 1D-21 (pseudogene)
28919	ENSG00000253126		24497	0.03	IG V _H pseudogene	22	22952960	22953511	immunoglobulin lambda variable 1J-56 (pseudogene)
18179	ENSG00000220441	LINC01012	17161	0.03	lincRNA	2	18476998	18477002	long intergenic non-protein coding RNA 150
18256	ENSG00000268002	LINC00867	1884	0.03	lincRNA	20	34633544	34633882	long intergenic non-protein coding RNA 857
21414	ENSG00000273015	LINC00938	21128	0.03	lincRNA	12	48119510	48121258	long intergenic non-protein coding RNA 938
2581	ENSG00000231723	LINC00295	1822	0.03	lincRNA	11	45221301	45221301	long intergenic non-protein coding RNA 1189
26850	ENSG00000220174	LINC01149	24588	0.03	lincRNA	6	31408444	31414750	long intergenic non-protein coding RNA 1149
26880	ENSG00000220126		24703	0.03	lincRNA	13	76505311	76509268	long intergenic non-protein coding RNA 561
26903	ENSG00000220233		24729	0.03	lincRNA	13	76505311	76509268	Fraser-Vill region non-protein coding RNA 4
26268	ENSG00000226919		25017	0.03	lincRNA	13	23448795	23449008	long intergenic non-protein coding RNA 621
26316	ENSG00000226519		25074	0.03	lincRNA	13	23448795	23449008	long intergenic non-protein coding RNA 390
26341	ENSG00000214689	LINC00035	25079	0.03	lincRNA	13	23448795	23449008	long intergenic non-protein coding RNA 152
26893	ENSG00000233208	LINC00042	25560	0.03	lincRNA	14	90951574	90952549	long intergenic non-protein coding RNA 642
26953	ENSG00000228223	HCG11	25610	0.03	lincRNA	6	26522076	26526267	H.A. complex group 11 (non-protein coding)
26989	ENSG00000211848	MIR121-1-80	25610	0.03	miRNA	11	12121045	12121045	long intergenic non-protein coding RNA 180
27161	ENSG00000208902	LINC00890	25606	0.03	lincRNA	X	110754890	110756227	long intergenic non-protein coding RNA 890
27162	ENSG00000234889		25812	0.03	lincRNA	4	48419484	48481492	long intergenic non-protein coding RNA 444
27378	ENSG00000203517	LINC00351	25921	0.03	lincRNA	6	4592176	4592176	long intergenic non-protein coding RNA 351
27500	ENSG00000189419	SPATA1	26982	0.03	lincRNA	15	100884662	100889438	spermatogenesis associated 41 (non-protein coding)
27988	ENSG00000189280	LINC0192789	26944	0.03	lincRNA	22	20924248	20719938	family with sequence similarity 230, member A
28489	ENSG00000226266		26977	0.03	lincRNA	4	18476998	18480225	long intergenic non-protein coding RNA 1086
28490	ENSG00000225251		27003	0.03	lincRNA	2	28475893	28475893	TSR RNA
28137	ENSG00000197291	RAMP2-AS1	27272	0.03	lincRNA	17	40995932	40913275	RAMP2 antisense RNA 1
29552	ENSG00000226999	MIRLETYE	27681	0.03	lincRNA	19	52148916	52196709	SPACAP antisense RNA 1
29721	ENSG00000226999		27681	0.03	lincRNA	19	52148916	52196709	long intergenic non-protein coding RNA 505
29721	ENSG00000214293	RSBN1L-AS1	28123	0.03	lincRNA	7	77226977	77225582	RSBN1L antisense RNA 1
29740	ENSG00000213173	RBM49	28125	0.03	lincRNA	1	5111796	5112894	RBM49 downstream neighbor (non-protein coding)
29833	ENSG0000021024	LINC00824	28126	0.03	lincRNA	19	28115488	28124448	long intergenic non-protein coding RNA 862
29884	ENSG00000225206	MIR137HG	28243	0.03	lincRNA	1	98453556	98451549	MIR137 host gene (non-protein coding)
29952	ENSG00000230365	DISCR9	28315	0.03	lincRNA	21	39580804	39584003	Down syndrome critical region gene 9 (non-protein coding)
29996	ENSG00000234861		28315	0.03	lincRNA	3	118711205	118819813	long intergenic non-protein coding RNA 965
30098	ENSG00000234390	USP27X-AS1	28459	0.03	lincRNA	X	48641327	48649384	USP27X antisense RNA 1 (head to head)
30416	ENSG00000272168	CASC15	28726	0.03	lincRNA	6	21689003	22214734	cancer susceptibility candidate 15 (non-protein coding)
30416	ENSG00000211851	LINC00285	29117	0.03	lincRNA	3	39513231	39525939	long intergenic non-protein coding RNA 265
21120	ENSG00000268315	MIR548AN	26885	0.03	miRNA	X	105883044	105883126	miR548AN
21765	ENSG00000289012	MIRLETYE2	21405	0.03	miRNA	X	53884153	53884235	miR548AN let-7f-2
21398	ENSG00000269245	MIR135A	23316	0.03	miRNA	2	20119307	20119331	miR548AN let-7c
23583	ENSG00000268315	MIR4688	22789	0.03	miRNA	9	114684380	114684449	miR548AN 4688
23874	ENSG00000199133	MIRLETYE	23036	0.03	miRNA	9	96941116	96941202	miR548AN let-7d
24195	ENSG00000219332	MIR53A	23316	0.03	miRNA	16	42292106	42292116	miR548AN 53a
25248	ENSG00000268581	MIR548B	23418	0.03	miRNA	3	124451286	124451368	miR548AN 548b
25361	ENSG0000027952	MIR624	24289	0.03	miRNA	14	31483852	31483948	miR548AN 624
25790	ENSG00000262339	MIR125B	24904	0.03	miRNA	4	69324	69324	miR548AN 125b
26930	ENSG00000268174	MIR4688A	25590	0.03	miRNA	1	22864975	228649853	miR548AN 4688a
27119	ENSG00000279269	MIR632	25771	0.03	miRNA	1	3067128	30677221	miR548AN 632
27253	ENSG0000021178	MIR472B	25819	0.03	miRNA	17	7788174	7788174	miR548AN 472b
27629	ENSG00000268502	MIR444	26183	0.03	miRNA	10	127508309	127508391	miR548AN 444
27802	ENSG00000268465	MIR4768	26433	0.03	miRNA	X	17444004	17444077	miR548AN 4768
28197	ENSG00000214433	MIR1228	26638	0.03	miRNA	18	1066818	1066818	miR548AN 1228
28663	ENSG00000268346	MIR135A	27128	0.03	miRNA	10	103381174	103381152	miR548AN 315b-2
28684	ENSG00000268458	MIR4258	27149	0.03	miRNA	1	15989789	15989899	hsa-miR-4258
28684	ENSG00000268458		27149	0.03	miRNA	1	15989789	15989899	miR548AN 4258
29130	ENSG00000253030	MIR216	27593	0.03	miRNA	15	59463362	59463461	miR548AN 216
29367	ENSG00000268418	MIR4261	27794	0.03	miRNA	2	10333740	10333797	miR548AN 4261
29448	ENSG00000260223	MIR339	27808	0.03	miRNA	1	1086983	1086983	miR548AN 339
19298	ENSG00000232395		19474	0.03	misc. RNA	13	37740489	37740795	RNA, 75K small nuclear pseudogene 1
21893	ENSG00000271800		21427	0.03	misc. RNA	3	125235823	125235930	Y RNA
22318	ENSG00000268739		21810	0.03	misc. RNA	1	844301	844301	RNA, 75S, cytoplasmic 5.2 pseudogene
22456	ENSG00000199495		21912	0.03	misc. RNA	10	126454789	126454866	Y RNA
22556	ENSG00000199875		21889	0.03	misc. RNA	11	93452789	93452881	Y RNA
22607	ENSG00000224730		22280	0.03	misc. RNA	6	86418692	86418738	RNA, 75S, cytoplasmic 502, pseudogene
14815	ENSG00000202733		22936	0.03	misc. RNA	4	7953421	7953421	Y RNA
24875	ENSG00000202310		23891	0.03	misc. RNA	8	101171096	101171203	Y RNA
24884	ENSG00000245988		24989	0.03	misc. RNA	18	96372762	96373063	RNA, 75S, cytoplasmic 402, pseudogene
5476	ENSG00000245988		24989	0.03	misc. RNA	18	78021752	78021752	RNA, 75S, small nuclear pseudogene 97
25545	ENSG00000268608		24429	0.03	misc. RNA	11	33192927	33192936	Y RNA
25960	ENSG00000268503		24772	0.03	misc. RNA	A	62642296	62642271	RNA, 75S, cytoplasmic 262, pseudogene
25960	ENSG00000268503		24772	0.03	misc. RNA	A	62642296	62642271	RNA, 75S, small nuclear pseudogene 97
26548	ENSG00000199840		25274	0.03	misc. RNA	7	71150732	71150732	RNA, 75S, small nuclear pseudogene 75
26960	ENSG00000268454		25312	0.03	misc. RNA	12	102811088	102811391	RNA, 75S, cytoplasmic 793, pseudogene
27085	ENSG00000271797		25741	0.03	misc. RNA	5	154097845	154098249	RNA, 75S, cytoplasmic 255, pseudogene
27341	ENSG00000203485		25951	0.03	misc. RNA	11	33218093	33218193	Metazoa signal recognition particle RNA
27391	ENSG00000201781		25						

26110	ENSG0000023042	24069.6	0.03	processed_pseudogene	7	23168797	23168460	adenylate kinase 3 pseudogene 3
26118	ENSG0000023168	24129.3	0.03	processed_pseudogene	17	4522237	4522237	ribosomal protein L36a pseudogene 49
26193	ENSG0000044708	24149	0.03	processed_pseudogene	8	36439988	36439109	ribosomal protein L23 pseudogene 10
26209	ENSG0000023167	24159.1	0.03	processed_pseudogene	7	14233020	142331782	eukaryotic translation elongation factor 1 alpha 1 pseudogene 26
26230	ENSG0000023655	24177.6	0.03	processed_pseudogene	6	65662306	65662762	immunoglobulin J polydiphosphate pseudogene 1
26266	ENSG0000023964	24236.5	0.03	processed_pseudogene	6	25617626	25617626	ribosomal protein S16 pseudogene 9
26374	ENSG00000220744	24302.7	0.03	processed_pseudogene	6	127683658	127684548	ribosomal protein L5 pseudogene 18
26496	ENSG0000023259	24393.4	0.03	processed_pseudogene	13	42943374	42943753	fatty acid binding protein 3 pseudogene 2
26506	ENSG0000023963	24416.1	0.03	processed_pseudogene	11	127884831	127884831	hypochlorite nuclear protein S18 pseudogene 9
26579	ENSG0000024455	24448.1	0.03	processed_pseudogene	19	181599447	181599447	ribosomal protein S18 pseudogene 13
26580	ENSG0000023550	24451.4	0.03	processed_pseudogene	11	17426389	17426389	RAN, member RAN oncogene family pseudogene 8
26583	ENSG0000023525	24679	0.03	processed_pseudogene	20	44603888	44603888	ferritin, light polypeptide pseudogene 1
26582	ENSG00000231480	24688.4	0.03	processed_pseudogene	21	39814369	39814369	small nuclear ribonucleoprotein polydiphosphate pseudogene 13
26584	ENSG00000231691	24739.7	0.03	processed_pseudogene	13	47481817	47481817	guanine nucleotide binding protein (G protein), gamma 5 pseudogene 5
26595	ENSG00000249920	24797.2	0.03	processed_pseudogene	4	74802321	74802575	heterogeneous nuclear ribonucleoprotein A1 pseudogene 55
26214	ENSG00000178400	24865.2	0.03	processed_pseudogene	7	20921999	20922629	eukaryotic translation elongation factor 1 alpha 1 pseudogene 27
26288	ENSG00000242562	25040.6	0.03	processed_pseudogene	7	105797146	105797146	COX1 and COX4 associated factor 13 pseudogene 1
26328	ENSG00000172186	25048.5	0.03	processed_pseudogene	X	68353967	68354560	high mobility group nucleosome binding domain 1 pseudogene 35
26335	ENSG00000229014	25091.9	0.03	processed_pseudogene	12	40442045	40442392	ribosomal protein L30 pseudogene 13
26345	ENSG0000023365	25099.2	0.03	processed_pseudogene	8	8325239	8325239	ribosomal protein S24 pseudogene 25
26360	ENSG00000216990	25111.7	0.03	processed_pseudogene	6	88008490	88010165	heat shock 60kDa protein 1 (chaperonin) pseudogene 10
26403	ENSG00000197214	25141.7	0.03	processed_pseudogene	9	99830031	99830109	transcription elongation factor A (SII), 1 pseudogene 1
26415	ENSG00000208937	25150.1	0.03	processed_pseudogene	16	46722680	46723177	ribosomal protein L32 pseudogene 41
26429	ENSG00000233548	25164	0.03	processed_pseudogene	X	144258102	144258144	cytochrome c, somatic pseudogene 44
26432	ENSG00000233919	25167	0.03	processed_pseudogene	1	148621760	148622239	histone cluster 2, H2bc (pseudogene)
26525	ENSG00000233490	25209.5	0.03	processed_pseudogene	15	29891655	29891655	glyceraldehyde 3 phosphate dehydrogenase pseudogene 60
26566	ENSG00000286227	25215.4	0.03	processed_pseudogene	18	23784833	23784838	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 2
26608	ENSG00000230282	25236.8	0.03	processed_pseudogene	2	16408761	16409617	ribosomal protein L7 pseudogene 61
26671	ENSG00000249641	25438.2	0.03	processed_pseudogene	21	3243380	3243380	abp500 protein kinase S3a pseudogene 2
26746	ENSG00000226804	25438.2	0.03	processed_pseudogene	1	119699162	119699162	ribosomal protein S3a pseudogene 12
26608	ENSG00000213035	25488.7	0.03	processed_pseudogene	19	48207724	48208147	ribosomal protein L23a pseudogene 80
26714	ENSG00000231428	25512.3	0.03	processed_pseudogene	13	13308165	13308165	eukaryotic translation elongation factor 1 gamma pseudogene 8
27079	ENSG00000255213	25534	0.03	processed_pseudogene	11	62098418	62099285	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 35
27136	ENSG00000213452	25586.7	0.03	processed_pseudogene	3	74185110	74186043	aldo-keto reductase family 1, member B1 pseudogene 2
27144	ENSG00000230538	25587.9	0.03	processed_pseudogene	23	2341133	2341133	brain abundant, membrane attached signal peptide pseudogene 1
27230	ENSG00000217791	25589.9	0.03	processed_pseudogene	5	53154996	53156231	angiotensinase synthetase 1 pseudogene 9
27244	ENSG00000239413	25678.3	0.03	processed_pseudogene	12	101818219	101818469	ribosomal protein S27 pseudogene 23
27308	ENSG00000239193	25681.3	0.03	processed_pseudogene	10	10216183	10216183	transcription elongation factor B (SIII), polydiphosphate pseudogene 3
27323	ENSG00000257119	25934.5	0.03	processed_pseudogene	12	107295001	107295001	eukaryotic translation elongation factor 1 beta 2 pseudogene 4
27352	ENSG00000235852	25963.3	0.03	processed_pseudogene	X	65717590	65719598	pyruvate kinase, muscle pseudogene 2
27403	ENSG00000237651	25988.1	0.03	processed_pseudogene	10	10355881	10355881	14-3-3 zeta pseudogene 9
27474	ENSG00000238008	26054.1	0.03	processed_pseudogene	3	33586126	33586351	cytochrome c oxidase subunit VIc pseudogene 10
27546	ENSG00000227714	26114.5	0.03	processed_pseudogene	13	96346237	96346749	MT-ND8 pseudogene 18
27573	ENSG00000239796	26135.3	0.03	processed_pseudogene	5	12607310	126073687	heat shock 70kDa protein 1 pseudogene 10
27583	ENSG00000232721	26135.3	0.03	processed_pseudogene	8	832618110	832618110	ribosomal protein L6 pseudogene 25
27584	ENSG00000231513	26142.9	0.03	processed_pseudogene	X	16216521	16217412	ribosomal protein L6 pseudogene 30
27591	ENSG00000204142	26151.3	0.03	processed_pseudogene	3	53049297	53049297	SEPN1-like mRNA binding protein 1 pseudogene 3
27662	ENSG00000234444	26159.7	0.03	processed_pseudogene	4	217476065	217476065	proteasome (prosome, macropain) subunit, beta type, 3 pseudogene 2
27670	ENSG00000242703	26229.6	0.03	processed_pseudogene	7	140697752	140699601	chaperonin containing TCP1, subunit 4 (delta) pseudogene 1
27685	ENSG00000204171	26249.6	0.03	processed_pseudogene	5	69169710	69169963	ribosomal protein S27 pseudogene 13
28010	ENSG00000210945	26310.9	0.03	processed_pseudogene	7	74648464	74641119	heat shock 70kDa protein 1 pseudogene 7
28037	ENSG00000232429	26337.5	0.03	processed_pseudogene	19	34080112	34080194	ribosomal protein L21 pseudogene 131
28073	ENSG00000239205	26358.1	0.03	processed_pseudogene	4	83049688	83050089	heterogeneous nuclear ribonucleoprotein A3 pseudogene 13
28076	ENSG00000239756	26359.7	0.03	processed_pseudogene	4	83711809	83711809	hyocyanin phosphotransferase pseudogene 3
28294	ENSG00000232522	26375.4	0.03	processed_pseudogene	2	140428116	140428874	mitochondrial ribosomal protein S18B pseudogene 2
28297	ENSG00000228172	26378.3	0.03	processed_pseudogene	9	102979037	102979933	ribosomal protein S2 pseudogene 35
28334	ENSG00000230268	26382.6	0.03	processed_pseudogene	10	4655110	4655110	double homeobox A pseudogene 5
28348	ENSG00000232881	26383.5	0.03	processed_pseudogene	3	5756336	5756337	ring finger protein 7 pseudogene 1
28356	ENSG00000235044	26384.3	0.03	processed_pseudogene	20	38158441	38158445	pedipodin/ isomerase A (cyclophilin A) pseudogene 3
28400	ENSG00000239353	26391.9	0.03	processed_pseudogene	12	144718052	144718052	ribosomal protein S2 pseudogene 55
28412	ENSG00000251587	26391.2	0.03	processed_pseudogene	4	4895009	4895009	lactate dehydrogenase A pseudogene 1
28460	ENSG00000178503	26396.3	0.03	processed_pseudogene	7	37625103	37625932	NECAP endocytosis associated 1 pseudogene 1
28494	ENSG00000239653	26397.8	0.03	processed_pseudogene	10	6201221	6201221	PRR16 human ortholog pseudogene 1
28569	ENSG00000213950	26397.8	0.03	processed_pseudogene	20	14736209	14738702	ribosomal protein S10 pseudogene 20
28609	ENSG00000253454	26398.5	0.03	processed_pseudogene	8	10557183	10557657	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 pseudogene 2
28646	ENSG00000239653	26398.5	0.03	processed_pseudogene	16	31188184	31188184	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3 pseudogene 6
28778	ENSG00000213050	26399.1	0.03	processed_pseudogene	7	116612219	116612965	topomycin 5 pseudogene 1
28842	ENSG00000258805	26399.1	0.03	processed_pseudogene	14	85100042	85100042	adenosine receptor 1 pseudogene 2
28861	ENSG00000239653	26399.1	0.03	processed_pseudogene	14	3940230	3940230	eukaryotic translation elongation factor 1 alpha 1 pseudogene 24
29022	ENSG00000230444	26399.1	0.03	processed_pseudogene	7	165226	165491	transcription factor A, mitochondrial pseudogene 1
29028	ENSG00000242705	26399.1	0.03	processed_pseudogene	3	88997292	89000778	NMDA receptor regulated 2 pseudogene 4
29030	ENSG00000239653	26399.1	0.03	processed_pseudogene	13	13311272	13311272	family with sequence similarity 201, member 8
29062	ENSG00000259993	26399.1	0.03	processed_pseudogene	3	8836306	88368172	ATP-binding cassette, sub-family F (ABC20), member 2 pseudogene 1
29168	ENSG00000239653	26399.1	0.03	processed_pseudogene	12	18845986	18847030	proteasome (prosome, macropain) 26S subunit, ATPase, 1 pseudogene 9
29172	ENSG00000244131	26399.1	0.03	processed_pseudogene	12	8859204	8859204	ribosomal protein S24 pseudogene 28
29269	ENSG00000258978	26399.1	0.03	processed_pseudogene	14	75583129	75583303	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor) pseudogene 1
29398	ENSG00000218896	26399.1	0.03	processed_pseudogene	6	143757353	143757847	tubulin beta 8 class VIII pseudogene 2
29405	ENSG00000231362	26399.1	0.03	processed_pseudogene	15	90231168	90231474	ribosomal protein L36a pseudogene 43
29407	ENSG00000234432	26399.1	0.03	processed_pseudogene	17	1753280	1753280	ribosomal protein L7 pseudogene 26
29450	ENSG00000228955	26399.1	0.03	processed_pseudogene	20	3252368	3252368	phosphatidylinositol glycan anchor biosynthesis, class P pseudogene 3
29508	ENSG00000254554	26399.1	0.03	processed_pseudogene	11	62138618	62140040	regulator of chromosome condensation 2 pseudogene 6
29561	ENSG00000232622	26399.1	0.03	processed_pseudogene	21	24742579	24743317	eukaryotic translation elongation factor 1 alpha 1 pseudogene 1
29609	ENSG00000211108	26399.1	0.03	processed_pseudogene	8	1196346	1196346	tumor protein, transcriptionally controlled, 1 pseudogene 5
29618	ENSG00000232217	26399.1	0.03	processed_pseudogene	13	98635204	98639340	ferritin, light polypeptide pseudogene 8
29644	ENSG00000230277	26399.1	0.03	processed_pseudogene	3	1896819	1896819	ferritin, heavy polypeptide pseudogene 2
29759	ENSG00000239653	26399.1	0.03	processed_pseudogene	12	775894	775894	nucleolar protein interacting with the FIA domain of MOY1 pseudogene 3
29804	ENSG00000231333	26399.1	0.03	processed_pseudogene	1	200832380	200832380	ribosomal protein L34 pseudogene 6
29874	ENSG00000236542	26399.1	0.03	processed_pseudogene	20	2565496	2565512	meiotic complex subunit 26 pseudogene 1
29874	ENSG00000236542	26399.1	0.03	processed_pseudogene	20	2565496	2565512	meiotic complex subunit 26 pseudogene 1
30027	ENSG00000232882	26399.1	0.03	processed_pseudogene	13	113932949	113932949	lactate dehydrogenase B pseudogene 1
30113	ENSG00000232733	26399.1	0.03	processed_pseudogene	9	35576376	35577102	sorting nexin 10 pseudogene 7
30161	ENSG00000232288	26399.1	0.03	processed_pseudogene	12	101814714	101814714	topomycin 5 pseudogene 1
30463	ENSG00000246233	26399.1	0.03	processed_pseudogene	7	2210555	2211099	heterogeneous nuclear ribonucleoprotein A1 pseudogene 16
30596	ENSG00000231381	26399.1	0.03	processed_pseudogene	9	6668991	6670008	ring finger protein 2 pseudogene 1
30631	ENSG00000231214	26399.1	0.03	processed_pseudogene	12	13970240	13970998	ribosomal protein S2 pseudogene 1
31154	ENSG00000202047	26399.1	0.03	processed_pseudogene	16	23548382	23548735	SUB1 pseudogene 4
31407	ENSG00000232136	26399.1	0.03	processed_pseudogene	10	75491352	75493396	dual specificity phosphatase 5 pseudogene 5
31436	ENSG00000211368	26399.1	0.03	processed_pseudogene	12	12145204	121452	

12646	ENSG00000151715	TME43B8	14484.6	0.03	protein_coding	11	129685714	129729838	transmembrane protein 458
12646	ENSG00000151548	CHST7	14485.1	0.03	protein_coding	3	1428173	1428173	carbohydrate 14 acetylglucosaminase C1 acyltransferase 2
12737	ENSG00000131184	GSTM1	14532.3	0.03	protein_coding	1	110233406	110251691	glutathione S-transferase mu 1
12806	ENSG00000142399	IFTM3	14584.2	0.03	protein_coding	11	319669	3275737	interferon induced transmembrane protein 3
12843	ENSG00000172631	CES2	14612.6	0.03	protein_coding	16	69969347	69979989	carboxylesterase 2
12866	ENSG00000174141	ERT3	14653.1	0.03	protein_coding	3	24012853	24012853	eukaryotic translation initiation factor 2, subunit 1 gamma, 50kDa
12987	ENSG00000087848	ZFY	14705	0.03	protein_coding	Y	2803112	2950547	zinc finger protein, Y-linked
13020	ENSG00000104044	IDS	14872.2	0.03	protein_coding	A	14895821	148915470	iduronate 2-sulfatase
13349	ENSG00000099344	ECHDC1	14984.2	0.03	protein_coding	14	2792885	2792885	enoyl CoA hydratase domain containing 1
13385	ENSG00001006987	DCAF11	15013.8	0.03	protein_coding	14	24583404	24584541	DOB1 and GUL4 associated factor 11
13412	ENSG00000186295	IFIB	15032.1	0.03	protein_coding	10	22090101	220897735	mitochondrial aminoxy reducing component 1
13417	ENSG00000110864	SCRF1	15038.3	0.03	protein_coding	17	49265485	49264129	chromosome 19 open reading frame 77
13429	ENSG00000101884	C22orf24	15047.7	0.03	protein_coding	20	35234137	35240960	chromosome 20 open reading frame 24
13464	ENSG00000205112	CHMP1B	15075.1	0.03	protein_coding	18	11651395	11654448	charged multivesicular body protein 1B
13468	ENSG00000092924	ABL1	15078.8	0.03	protein_coding	10	11630872	11644192	avian leukemia/osteosarcoma 1 protein 1
13501	ENSG00000142546	NOS1P	15101.2	0.03	protein_coding	19	52008968	52008519	nitric oxide synthase interacting protein
13516	ENSG00000179832	MAP1	15112.1	0.03	protein_coding	8	14519402	14516214	MAP1 homolog (D. rerio)
13611	ENSG00000117522	CR2	15178.8	0.03	protein_coding	10	20763249	20763249	complement component 3 (CD35/CR1/BBY) receptor 2
13661	ENSG00000142657	PGD	15223.5	0.03	protein_coding	1	10458649	10460201	phosphogluconate dehydrogenase
13701	ENSG00000125775	SDCBP2	15250.5	0.03	protein_coding	20	1290919	1309883	glycine binding protein (syntrin) 2
13728	ENSG00000200926	C17orf77	15257.7	0.03	protein_coding	19	3474405	3474405	chromosome 17 open reading frame 77
13728	ENSG00000058804	SLC2A3	15276.7	0.03	protein_coding	12	8071826	8088871	solute carrier family 2 (facilitated glucose transporter), member 3
13737	ENSG00000089289	IGBP1	15281.2	0.03	protein_coding	X	69353299	69398174	immunoglobulin (CD75A) binding protein 1
13742	ENSG00000154532	MED12A	15282.4	0.03	protein_coding	12	51317255	51320350	methyltransferase 12A
13756	ENSG00000158711	MAPK13	15288.3	0.03	protein_coding	6	36095586	36107842	mitogen-activated protein kinase 13
13767	ENSG00000112149	CD31	15298.3	0.03	protein_coding	6	14117872	14137149	CD31 molecule
13768	ENSG00000075560	WDR1	15315.1	0.03	protein_coding	17	66417095	66415854	WD repeat domain, phosphoinositide interacting 1
13828	ENSG00000133313	CHNCP2	15340.1	0.03	protein_coding	18	7218305	7218836	CNCP2 domain (2) metalloproteinase M20 family)
13920	ENSG00000131384	TMTM	15414.5	0.03	protein_coding	6	18128542	18155305	thiourea S-methyltransferase
13961	ENSG00000098121	MIR5P	15428.3	0.03	protein_coding	8	75119	75119	ribonucleic acid polymerase II
13991	ENSG00000188403	HMGCB1	15484.8	0.03	protein_coding	13	31032884	31191734	high mobility group box 1
14042	ENSG00000105263	PPPR1	15508.4	0.03	protein_coding	19	65741148	65770763	protein phosphatase 6, regulatory subunit 1
14052	ENSG00000200428	PRKDCB	15528.8	0.03	protein_coding	18	10666268	10666268	protein kinase, cAMP-dependent, regulatory, type II, beta
14257	ENSG00000196998	WDR45	15571.9	0.03	protein_coding	X	48929385	48939108	WD repeat domain 45
14330	ENSG00000184613	NELL2	15742.7	0.03	protein_coding	12	44902058	45315631	NEL-like 2 (chicken)
14335	ENSG00000117522	CR2	15748.8	0.03	protein_coding	10	3607870	3607870	B220/CR2 antigen
14367	ENSG00000108298	RPL19	15772.1	0.03	protein_coding	17	37356538	37360980	ribosomal protein L19
14395	ENSG00000186971	AKTIP	15778.5	0.03	protein_coding	16	53524952	53538323	AKT interacting protein
14433	ENSG00000117522	CR2	15778.8	0.03	protein_coding	10	1041100	1041100	nuclear factor of kappa light-chain gene enhancer in B cells 2 (p49/p100)
14654	ENSG00000097892	KLF6	15974.1	0.03	protein_coding	10	3818198	3827473	Kruppel-like factor 6
14668	ENSG00000172486	ZNF24	15983.9	0.03	protein_coding	18	3291278	32925446	zinc finger protein 24
14674	ENSG00000110864	LAMTOR1	15992.1	0.03	protein_coding	11	7178261	7178261	late endosomal/lysosomal adaptor, MAPK and TORC1 activator 1
14698	ENSG00000229415	SFT1A3	16007.3	0.03	protein_coding	14	39842493	39849334	surfactant associated 3
14778	ENSG00000147804	RPL7	16068.9	0.03	protein_coding	8	74202506	74203024	ribosomal protein L7
14827	ENSG00000126992	LRP11	16142	0.03	protein_coding	6	54958286	54958286	(glycophosphatidyl) inositol
14862	ENSG00000117522	SWAP70	16149.1	0.03	protein_coding	8	9898243	9774538	SWAP associated 70-kDa subunit
14883	ENSG00000112078	KCTD20	16147.2	0.03	protein_coding	6	38410544	36489820	potassium channel tetramerization domain containing 20
14883	ENSG00000174500	GCSAM	16203.7	0.03	protein_coding	3	11185968	11185129	germinal center-associated, signaling and motility
14976	ENSG00000140001	ZNF222	16200.1	0.03	protein_coding	12	140012065	140008448	zinc finger protein, motif-type 2
14992	ENSG00000175482	POLD4	16230.5	0.03	protein_coding	11	67112448	67124443	polymerase (DNA-directed), delta 4, accessory subunit
15005	ENSG00000186512	ZNF22	16242	0.03	protein_coding	10	4549923	45500714	zinc finger protein 22
15051	ENSG00000152524	GOLGA4	16249.4	0.03	protein_coding	6	34811426	34810134	golgi AL family, member B
15059	ENSG00000130224	ACE2	16293.2	0.03	protein_coding	X	15979156	15920271	angiotensin I converting enzyme 2
15185	ENSG00000094651	OPD1	16397.6	0.03	protein_coding	X	31752932	31771480	oral-facial-digital syndrome 1
15296	ENSG00000196278	CE2	16402	0.03	protein_coding	2	31866262	31913449	complement component 2
15298	ENSG00000181409	AATK	16428.5	0.03	protein_coding	17	78019595	78139877	apoptosis-associated tyrosine kinase
15371	ENSG00000149607	FAM134A	16452.1	0.03	protein_coding	2	22004901	22005021	family with sequence similarity 134, member A
15434	ENSG00000101785	PRKRI	16521.1	0.03	protein_coding	17	4602933	4602934	ribonucleic acid reductase
15456	ENSG00000108846	PRKARIA	16521.9	0.03	protein_coding	17	4602932	4602933	protein kinase, cAMP-dependent, regulatory, type I, alpha
15457	ENSG00000166276	GRIFF1	16521.7	0.03	protein_coding	1	59240319	59268233	growth factor independent 1 transcription repressor
15474	ENSG00000101785	PRKRI	16521.1	0.03	protein_coding	17	59211628	59211628	single-pass membrane protein with coiled-coil domains 4
15525	ENSG00000113558	SKP1	16723.4	0.03	protein_coding	5	13348473	133512726	S phase kinase-associated protein 1
15627	ENSG00000098738	GMCL1	16883.6	0.03	protein_coding	2	10386624	10386624	germ cells, spermatogenesis associated 1
15696	ENSG00000106295	ANKRD18	16999.2	0.03	protein_coding	10	7397017	7397017	anaphase promoting complex subunit 6
15691	ENSG00000160908	ZNF304	16938.3	0.03	protein_coding	7	98084142	99097947	zinc finger protein 304
15696	ENSG00000135877	ITNS	16983.1	0.03	protein_coding	12	65112225	65152227	ADP-ribosylation factor GTPase activating protein 2
15975	ENSG00000101386	PTN	17071.2	0.03	protein_coding	49	61970921	62001921	protein tyrosine phosphatase, non-receptor type 1
16021	ENSG00000114200	BCH2	17047	0.03	protein_coding	3	16540692	16555260	butyrylcholinesterase
16044	ENSG00000108519	HNRNPK	17070.8	0.03	protein_coding	9	8654299	8656569	heterogeneous nuclear ribonucleoprotein K
16184	ENSG00000104888	EIF2K4	17201.1	0.03	protein_coding	2	20671044	20671044	eukaryotic translation initiation factor 2D
16224	ENSG000001082108	DEK1	17240.6	0.03	protein_coding	16	11022748	11038317	Deaf1 homologue (mouse)
16305	ENSG00000204247	ARFGAP3	17249.9	0.03	protein_coding	12	4312506	43254112	ADP-ribosylation factor GTPase activating protein 3
16320	ENSG00000102584	SRFBP1A	17245.5	0.03	protein_coding	12	12311465	12311465	splicing factor, protein tyrosine phosphatase, acid-like 3A
16348	ENSG00000107758	PPP3CB	17285.4	0.03	protein_coding	8	71561186	7259782	protein phosphatase 3, catalytic subunit, beta isoform
16463	ENSG00000093945	MIR1	17370	0.03	protein_coding	8	19865387	19842499	microRNA sequence receptor 1
16463	ENSG00000093945	MIR1	17370	0.03	protein_coding	8	19865387	19842499	SECIS homology (D. rerio)
16511	ENSG00000107522	FOSL2	17404.2	0.03	protein_coding	2	2867151	2864079	FOS-like antigen 2
16526	ENSG00000030910	BAK1	17418.7	0.03	protein_coding	6	33540329	33548919	BCL2-antagonist/killer 1
16526	ENSG00000105880	ZNF103	17420.3	0.03	protein_coding	16	16910369	16910369	zinc finger, DNA-binding containing 103
16611	ENSG00000101386	PTN	17489.9	0.03	protein_coding	6	107077453	107116292	glutaminyl-RNA synthetase (glutamine-hydroxylase)-like 1
16707	ENSG00000191328	DIRAS4	17569.4	0.03	protein_coding	11	24427295	24433848	dephosphorylation (SDR family) member 4
16746	ENSG00000105695	PNLT1	17578.3	0.03	protein_coding	2	20339209	20339209	ATPase, Ca ²⁺ transporting, plasma membrane 4
16829	ENSG00000154442	C21orf81	17666.1	0.03	protein_coding	21	19112384	19191703	chromosome 21 open reading frame 81
16836	ENSG00000113141	IK1	17670.7	0.03	protein_coding	5	140026643	140420264	IK cytokine, down-regulator of I-kappa B
16836	ENSG00000126456	HEF1	17730.3	0.03	protein_coding	19	50162626	50169128	interleukin regulatory 3
16973	ENSG00000117805	METL1B	17752.2	0.03	protein_coding	17	169716170	169716170	methyltransferase 1B
17003	ENSG00000104973	MEIS2	17779.4	0.03	protein_coding	19	50313239	50342073	meis domain complex subunit 25
17003	ENSG00000104973	MEIS2	17779.4	0.03	protein_coding	19	50313239	50342073	activating transcription factor 6 beta
17027	ENSG00000117038	EYS	17798.3	0.03	protein_coding	6	15709683	157106286	eyes vertebra 3
17067	ENSG00000113719	ERGIC1	17828.5	0.03	protein_coding	5	17281278	17297888	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1
17374	ENSG00000186130	IKBP	18043	0.03	protein_coding	12	89017185	89017185	IKAP interacting protein
17481	ENSG00000101711	PNR1	18043.6	0.03	protein_coding	6	53838255	53874846	RNA binding protein 2
17388	ENSG00000153888	MCOLN2	18046.7	0.03	protein_coding	1	85381296	85382796	muco-12
17394	ENSG00000186126	MIN	18184.1	0.03	protein_coding	14	10338893	10339953	aminion associated transmembrane protein
17620	ENSG00000105260	IRF2	18216.8	0.03	protein_coding	1			

20768	ENSG00000153201	RANBP2	20448.8	0.03	protein_coding	2	10933597	109402267	RAM binding protein 2
20768	ENSG00000153201	RANBP2	20448.8	0.03	protein_coding	15	9144115	9144115	mannosidase alpha class 2A, member 2
20778	ENSG00000214872	SMTN1	20526.4	0.03	protein_coding	11	57326979	57318108	smoothelin-like 1
20778	ENSG000002122678	RAMP3	20526.4	0.03	protein_coding	7	45197360	45225901	receptor (G protein-coupled) activity modifying protein 3
20802	ENSG00000170554	SEPRIN4	20649.4	0.03	protein_coding	14	44452054	44452054	serpin peptidase inhibitor, class A (alpha 1-antitrypsin, antitrypsin), member 9
20810	ENSG00000164344	KIAA1254	20652.5	0.03	protein_coding	1	10955201	10954901	KO24
20810	ENSG00000164344	KLKB1	20681.1	0.03	protein_coding	4	18713013	187179625	kallikrein B (plasma (Fletcher factor) 1)
20810	ENSG00000164344	KLKB1	20681.1	0.03	protein_coding	3	18635736	18637030	telom B
20957	ENSG00000196512	FEU2	20682.5	0.03	protein_coding	3	45987451	45989390	solute carrier family 25, member 30
20957	ENSG00000196512	KLZF2	20774.7	0.03	protein_coding	13	86541613	86538242	ketinase family member 27
21003	ENSG00000176228	TVF22B	20786.6	0.03	protein_coding	17	10843348	10843348	trans-golg network vesicle protein 23 homolog (S. cerevisiae)
21147	ENSG00000181926	SLC25A30	20797.3	0.03	protein_coding	13	113402434	113421604	solute carrier family 25, member 30
21155	ENSG00000181031	PGLYRP2	20914.7	0.03	protein_coding	19	15579456	15569767	peptidoglycan recognition protein 2
21172	ENSG00000136436	CALCOCC2	20931.2	0.03	protein_coding	17	46983950	46943884	calcium binding and coiled-coil domain 2
21191	ENSG00000176083	ZNF693	20946.4	0.03	protein_coding	2	26663455	2670113	zinc finger protein 693
21200	ENSG00000198455	ZXDB	20977.2	0.03	protein_coding	X	57618269	57629006	zinc finger, X-linked, duplicated B
21201	ENSG00000186233	ARH1	20983.6	0.03	protein_coding	15	7216667	7207602	arabidopsis thaliana ubiquitin protein ligase 1
21322	ENSG00000183489	KOCS5	21032.4	0.03	protein_coding	16	20420566	20420566	acyl-CoA synthetase medium chain family member 5
21343	ENSG00000197862	KIF13B	21063.8	0.03	protein_coding	8	28944796	29120441	kinesin family member 13B
21435	ENSG00000166116	KIAA1388	21143.8	0.03	protein_coding	6	56911347	56920223	KIAA1388
21438	ENSG00000191933	ZNF82	21144.9	0.03	protein_coding	2	9308320	93083116	oxidative stress induced growth inhibitor family member 2
21439	ENSG0000011278	RNF216	21148.1	0.03	protein_coding	7	5656678	5621370	ring finger protein 216
21528	ENSG00000198862	LTN1	21212.5	0.03	protein_coding	21	30304466	30365270	latenin E3 ubiquitin protein ligase 1
21570	ENSG00000193501	NHHA	21248.2	0.03	protein_coding	2	21959142	21959189	neuropilin heparan
21573	ENSG00000120658	TNFSF 11	21250	0.03	protein_coding	13	43136872	43182149	tumor necrosis factor (ligand) superfamily, member 11
21594	ENSG00000089818	NECAP1	21263.1	0.03	protein_coding	12	8234807	8230567	NECAP endocytosis associated 1
21666	ENSG00000178177	LRCORL	21313.5	0.03	protein_coding	16	45972643	45972643	glyoxylate reductase 1 homolog (Arabidopsis)
21666	ENSG00000178177	LRCORL	21313.5	0.03	protein_coding	4	17842822	18023489	ligand dependent nuclear receptor co-repressor-like
21807	ENSG00000115295	CLIP4	21433.6	0.03	protein_coding	2	28529071	29412909	CAP-GLY domain containing linker protein family, member 4
21855	ENSG00000190951	ARL10	21483.2	0.03	protein_coding	2	37861268	37861268	small GTPase (Arp2/3 complex), member 1
21871	ENSG00000185158	LRRCC3B	21481.8	0.03	protein_coding	17	30334891	30380523	leucine rich repeat containing 37B
21875	ENSG00000151292	CSMK1G3	21485.7	0.03	protein_coding	5	12284783	122862739	casein kinase 1, gamma 3
21880	ENSG00000185033	SEMA4B	21488.8	0.03	protein_coding	15	90703836	90729111	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B
21938	ENSG00000204366	SLI1	21529.0	0.03	protein_coding	3	5284796	52869745	Musculoblastic embryonic nuclear protein 1
21948	ENSG00000193501	PSK1L	21529.0	0.03	protein_coding	1	2631354	2631354	PKM11 domain containing kinase 1 like
22001	ENSG00000138615	CLP	21575.5	0.03	protein_coding	15	65488337	65503026	cartilage intermediate layer protein, nucleotide pyrophosphorylase
22002	ENSG00000164530	PI16	21575.8	0.03	protein_coding	6	36922209	36923213	peptide inhibitor 16
22002	ENSG00000164530	PI16	21575.8	0.03	protein_coding	23	50681820	50681820	panin3
22099	ENSG00000128159	TUBGCP2	21653.6	0.03	protein_coding	22	50568118	50683421	tubulin, gamma class associated protein 6
22137	ENSG00000193346	DNAH2	21679.5	0.03	protein_coding	10	70713821	70231879	DNA replication helicase/nuclease 2
22221	ENSG00000193098	DNAAF1	21714.7	0.03	protein_coding	8	4893746	4893746	DNAAF1
22235	ENSG00000187615	LENG8	21755.4	0.03	protein_coding	19	54960055	54937217	leukocyte receptor cluster (LRC) member 8
22307	ENSG00000179387	ELMO2C2	21805.7	0.03	protein_coding	4	141445312	141474824	ELMO/DEP-12 domain containing 2
22381	ENSG00000166464	KIAA429	21805.7	0.03	protein_coding	8	8569762	8569762	KIAA429
22374	ENSG00000193760	CDC320B	21857.1	0.03	protein_coding	6	32951168	32951168	colony cell antigen containing 90B
22396	ENSG00000162365	PGAA11	21867.9	0.03	protein_coding	1	47663107	47663107	cytochrome P450, family 4, subfamily A, polypeptide 22
22480	ENSG00000202784	PGAM4	21839.3	0.03	protein_coding	4	77223456	77223456	phosphoglycerate mutase family member 4
22512	ENSG00000192441	SLC12A2	21900.1	0.03	protein_coding	12	20452361	20452361	Na ⁺ /K ⁺ transport factor 3
22531	ENSG00000136603	SKL	21968.7	0.03	protein_coding	3	17007466	17011423	SK-like oncogene
22539	ENSG00000152683	SLC9A3	21968.7	0.03	protein_coding	2	32390933	32404489	solute carrier family 9, Na ⁺ /K ⁺ transporter, member 6
22574	ENSG00000200466	CRD	22016.6	0.03	protein_coding	2	86914997	86914997	carotene O-dioxygenase
22592	ENSG00000120949	TNFRSF8	22021.5	0.03	protein_coding	1	12123434	12204264	tumor necrosis factor receptor superfamily, member 8
22623	ENSG00000184164	OTUD4	22044.5	0.03	protein_coding	4	14603190	14603190	OTU domain containing 4
22626	ENSG00000180190	SLC14A1	22045.1	0.03	protein_coding	12	122713565	122734040	solute carrier family 14, sodium/potassium symporter, member 1
22760	ENSG00000172315	TPS3K	22150.9	0.03	protein_coding	20	45313004	45318148	TPS3 regulating kinase
22849	ENSG00000136381	IRBB2	22224.6	0.03	protein_coding	15	7872973	7873078	non-reducing element binding protein 2
22849	ENSG00000185246	PRPF26	22242.6	0.03	protein_coding	12	45553302	45553302	pre-mRNA processing factor 26
23084	ENSG00000120054	OPN1	22423.6	0.03	protein_coding	10	10189180	10184184	carboxypeptidase N, polypeptide 1
23167	ENSG00000172943	PHF8	22480.2	0.03	protein_coding	X	53063109	54075381	PHF finger protein 8
23188	ENSG00000193128	TRAF3	22482.2	0.03	protein_coding	4	71057247	71057247	TRAF3 nuclear factor- κ B
23288	ENSG00000115825	PRKD3	22556.9	0.03	protein_coding	2	37476465	37581951	protein kinase D3
23311	ENSG00000162882	HAAO	22558.8	0.03	protein_coding	2	42994229	43019733	3-hydroxyanthranilate 3,4-dioxygenase
23312	ENSG00000193222	TNKS2	22560.1	0.03	protein_coding	15	10218147	10218147	TNKS2 domain containing 3
23410	ENSG00000132669	RN2	22670.4	0.03	protein_coding	20	19867165	19863101	Ras and Rab interactor 2
23470	ENSG00000126527	TKR2B	22709.1	0.03	protein_coding	3	18653394	18655524	transformer 2 beta homolog (Drosophila)
23476	ENSG00000189113	TRAF3	22710.3	0.03	protein_coding	10	71057247	71057247	TRAF3 domain containing 3
23481	ENSG00000125686	MED1	22715.5	0.03	protein_coding	17	37560538	37607539	mediator complex subunit 1
23530	ENSG00000130300	CGB	22748.5	0.03	protein_coding	19	49552895	49552400	chromatin gonadotropin, beta polypeptide B
23532	ENSG00000193260	NEL1	22750.1	0.03	protein_coding	12	10088149	10088149	nuclear receptor subfamily 1, group H, member 4
23578	ENSG00000137857	DXO1	22786.8	0.03	protein_coding	15	45422131	45427774	dual oxidase 1
23616	ENSG00000096747	SCN17	22798.1	0.03	protein_coding	7	12610203	12689328	scorpion
23637	ENSG00000190448	ADGAP3	22814.4	0.03	protein_coding	1	13232141	13232141	aphidicolin dependent protein 4
23725	ENSG00000202981	DNACJ9	22909.5	0.03	protein_coding	3	180701497	180707562	DNAJ (Hsp40) domain, subfamily C, member 19
23741	ENSG00000185413	FUT8	22918.9	0.03	protein_coding	19	5383621	5383742	fucosyltransferase 8 (alpha 1,3) fucosyltransferase
23741	ENSG00000185413	FUT8	22918.9	0.03	protein_coding	19	4688183	4688183	cell wall biogenesis 21 C-homolog (S. cerevisiae)
23851	ENSG00000185219	ZNF445	23021.2	0.03	protein_coding	3	44481252	44519162	zinc finger protein 445
23871	ENSG00000184181	ELVOL7	23036	0.03	protein_coding	5	60047818	60140216	ELVOL7 fatty acid elongase 7
23961	ENSG00000114681	ZNF578	23039.1	0.03	protein_coding	12	4237316	4237316	zinc finger protein 578
23960	ENSG00000159527	PGLYRP3	23108.3	0.03	protein_coding	1	15273038	15283194	peptidoglycan recognition protein 3
24038	ENSG00000162787	BHRT4	23170.4	0.03	protein_coding	1	19733654	19733654	3-hydroxybutyrate dehydrogenase, type 1
24038	ENSG00000162787	BHRT4	23170.4	0.03	protein_coding	19	573119	573119	short chain dehydrogenase/isomerase family 3C, member 7
24141	ENSG00000139504	KAT7	23261.1	0.03	protein_coding	17	4795917	47904548	Kelch-like acyltransferase 7
24166	ENSG00000110713	NLIP8	23282.4	0.03	protein_coding	11	3692213	3819022	nucleoporin 88Da
24174	ENSG00000184781	CCDC174	23291.1	0.03	protein_coding	3	14693271	14714146	coiled-coil domain containing 174
24181	ENSG00000194191	ETP2B	23301.3	0.03	protein_coding	2	18381246	18381246	eukaryotic translation initiation factor 2B, subunit 5 protein, 60Da
24215	ENSG00000174356	C11orf85	23334	0.03	protein_coding	11	3714465	3714465	chromosome 11 open reading frame 85
24286	ENSG00000178628	RNF9B	23376	0.03	protein_coding	11	20144025	20141771	ring finger protein 9B
24290	ENSG00000181691	TRAF3	23376.8	0.03	protein_coding	11	18039111	18039111	TRAF3 nuclear factor- κ B
24367	ENSG00000187925	GHDC	23464.1	0.03	protein_coding	17	40348817	40348551	GH3 domain containing
24391	ENSG00000188813	FOXD3	23481.6	0.03	protein_coding	1	4284240	42841548	forkhead box O3
24468	ENSG00000181486	NPR2L2	23526.1	0.03	protein_coding	1	30384761	30384761	nitrogen permease receptor-like 2 (S. cerevisiae)
24501	ENSG00000186782	TAPT1	23563.2	0.03	protein_coding	4	16164128	16226003	transmembrane anterior/posterior transformation 1
24509	ENSG00000120963	ZNF708	23567.5	0.03	protein_coding	8	102189106	102218421	zinc finger protein 708
24544	ENSG00000133481	MAX	23570.3	0.03	protein_coding	4	17674362	17674362	MAX dimerization protein 3
24562	ENSG00000153366	ACMSD	23607.1	0.03	protein_coding	2	135588117	135589004	aminocarboxymuconate semialdehyde decarboxylase
24572	ENSG00000118873	ADRFAP1	23611.6	0.03	protein_coding	11	220321635	220445796	RAB3 GTPase activating protein subunit 2 (non-catalytic)
24586	ENSG00000186293	CPFB2	23629.9	0.03	protein_coding	1	46713269	46713269	46713269 family member 1
24593	ENSG00000137449	CFEB2	23629.9	0.03	protein_coding	4	15004298	15001777	cytoplasmic polyphosphorylation element binding domain 2
24611	ENSG00000202306	RBM14	23648.2	0.03	protein_coding	11	66344053	66344184	RNA binding motif protein 14
24624	ENSG00000184926	TRAF3	23649.2	0.03	protein_coding	10	72543342	72543342	zinc finger, SVML-like containing 8
24654	ENSG00000207552	TRAF3	23669.3	0.03	protein_coding	19	38180766	38210089	IRACH2 domain containing
24664	ENSG00000096230	SLC3A3	23668.5	0.03	protein_coding	5	47425	524447	solute carrier family 9, subfamily A (NH3), cation proton antiporter 3, member 3
24668	ENSG00000176532	TRAF3	23669.3	0.03	protein_coding	11	6511495	6511495	transmembrane domain 1
24715	ENSG000001								

20699	ENSG000002096713	CRTACT1	24876	1	0.03	protein_coding	10	99623757	99780595	cartilage acidic protein 1
20177	ENSG00000204545	FKBP4	24934	0	0.03	protein_coding	3	13031779	13031779	phospholipase 3 kinase, regulatory subunit 4
26193	ENSG00000132323	FLKAP	24966	6	0.03	protein_coding	2	239079042	239112370	integrin-linked kinase-associated serine/threonine phosphatase
26252	ENSG00000186207	LCE3A	25005	3	0.03	protein_coding	1	152483320	152483320	late cornified envelope 5A
26296	ENSG00000128881	TBR2	25043	7	0.03	protein_coding	15	430317007	430317007	tau tubulin kinase 2
26306	ENSG00000148205	ANC1	25051	6	0.03	protein_coding	2	242177564	242177564	ancient 7
26308	ENSG00000124812	CSPSP1	25063	8	0.03	protein_coding	6	48801970	48844409	teucine-rich repeat, immunoglobulin-like and transmembrane domains 2
26310	ENSG00000204033	LRB1	25067	2	0.03	protein_coding	10	6694824	68953345	receptor, PAK3-binding effector protein 2
26313	ENSG00000177488	RAB22	25071	8	0.03	protein_coding	8	28815742	28815742	UDP-N-acetyl-alpha-D-glucosamine-pyrophosphate N-acetylglucosaminyltransferase 8 (GALNAc-8)
26320	ENSG00000130035	GALNT8	25078	1	0.03	protein_coding	12	4829507	4902077	
26324	ENSG00000139638	LMRLT	25081	3	0.03	protein_coding	12	4940919	4950483	limb development membrane protein 1-like
26353	ENSG00000179407	DNMJB8	25106	3	0.03	protein_coding	3	128181282	128186991	Dnm1 (Hsp40) homolog, subfamily B, member 8
26356	ENSG00000173875	ZNF791	25109	3	0.03	protein_coding	19	12717132	12742735	zinc finger protein 791
26361	ENSG00000189300	OR2D2	25117	0	0.03	protein_coding	19	32696792	32696944	olfactory receptor, family 2, member D, member 2
26374	ENSG00000178477	ALOX12B	25117	7	0.03	protein_coding	17	7975954	7991201	arachidonate 12-epoxidase, 12R type
26391	ENSG00000157315	TMD6B	25131	2	0.03	protein_coding	16	69371751	69387112	transmembrane smg24 protein transport domain containing 6
26393	ENSG00000164764	SBRPN	25176	2	0.03	protein_coding	8	7291975	74203623	scrovinin B and thrombospondin type 1 domain containing
26484	ENSG00000183304	FAMA8	25223	3	0.03	protein_coding	8	8758356	8769424	family with sequence similarity 9, member A
26490	ENSG00000187045	TMR5B5	25230	3	0.03	protein_coding	22	37481476	37505603	transmembrane protease, serine 8
26514	ENSG00000174668	CALC1	25251	2	0.03	protein_coding	8	131913336	131915031	expenditure transcription factor 3
26519	ENSG00000177627	C12orf54	25257	8	0.03	protein_coding	12	4887628	48880295	chromosome 12 open reading frame 54
26526	ENSG00000165568	AKR1E2	25281	9	0.03	protein_coding	10	4828281	4828284	aldo-keto reductase family 1, member E2
26538	ENSG00000164011	ZNF611	25271	9	0.03	protein_coding	1	43312280	43318148	zinc finger protein 611
26554	ENSG00000151005	TKTL2	25281	1	0.03	protein_coding	4	164362257	164385047	trankriklase-like 2
26565	ENSG00000202301	OR5R6	25284	7	0.03	protein_coding	3	87983088	87984200	olfactory receptor, family 5, subfamily H, member 6 (gene/prostogen)
26576	ENSG00000150295	TCEAL2P2	25299	2	0.03	protein_coding	1	54519260	54519262	transcription elongation factor A (SWI) heterodimer and coiled domain containing 2
26582	ENSG00000133111	RFAP	25304	0	0.03	protein_coding	13	37393361	37403241	regulatory factor X-associated protein
26583	ENSG00000184867	NCSS	25306	0	0.03	protein_coding	7	150888063	150711876	nitric oxide synthase 3 (endothelial cell)
26625	ENSG00000151922	SLC16A3	25313	3	0.03	protein_coding	1	13861388	13861388	chromosome 3 open reading frame 22
26649	ENSG00000188056	TMC5A	25358	2	0.03	protein_coding	15	38214140	38259259	transmembrane and coiled-coil domains 5A
26684	ENSG00000138899	CEBLN3	25382	0	0.03	protein_coding	14	24898738	249001160	cerebellin 3 precursor
26688	ENSG00000169597	OR2D2	25382	0	0.03	protein_coding	3	136237692	136237692	olfactory receptor, family 2, member D, member 2
26786	ENSG00000173614	NMNA1	25478	0	0.03	protein_coding	1	10003486	10004559	nicotinamide nucleotide adenyltransferase 1
26799	ENSG000002005379	BZRAP1	25491	7	0.03	protein_coding	17	86718592	86468152	benzodiazepine receptor (peripheral) associated protein 2
26803	ENSG00000152528	NSDAP	25493	16	0.03	protein_coding	15	15332186	15332186	NSDAP, multiple 3
26806	ENSG00000103707	TFTMT	25500	3	0.03	protein_coding	15	65204845	65201977	mitochondrial methionyl-tRNA formyltransferase
26807	ENSG00000111291	GPRC5D	25500	5	0.03	protein_coding	12	13095709	13105561	G protein-coupled receptor, family C, group 5, member D
26808	ENSG00000159094	UNC5A	25503	6	0.03	protein_coding	6	18788007	18788007	unc-53 homolog A (C. elegans)
26813	ENSG00000185714	LOH12CR1	25504	9	0.03	protein_coding	12	12510013	12618940	loss of heterozygosity, 12, chromosomal region 1
26829	ENSG00000089511	RDBH	25518	2	0.03	protein_coding	19	16123925	16103295	retinol dehydrogenase 5 (all-trans)
26830	ENSG0000011452	OR2D3	25518	0	0.03	protein_coding	1	13141616	13141616	G protein-coupled receptor 153
26839	ENSG00000144791	LMD1	25518	8	0.03	protein_coding	3	14556886	45719230	LIM domains containing 1
26840	ENSG00000109262	ABC29	25520	0	0.03	protein_coding	16	18242785	18117379	ATP-binding cassette, sub-family C (CFTR/MRP), member 6
26842	ENSG00000169774	SRV2	25520	0	0.03	protein_coding	15	6443914	6444980	sorting nexin 22
26843	ENSG00000170444	KRT86	25520	3	0.03	protein_coding	14	5476388	5476388	keratin 86
26897	ENSG00000101890	GUCY2F	25563	9	0.03	protein_coding	8	10861635	10872301	guanylate cyclase 2F, retinal
26911	ENSG00000200734	SCN4A	25578	1	0.03	protein_coding	17	63011994	63002878	sodium channel, voltage-gated, type IV, alpha subunit
26922	ENSG00000185309	ARHGAP2	25578	3	0.03	protein_coding	9	23216955	23216955	arrested cell protein containing 3
26962	ENSG00000196883	PMMAS	25617	1	0.03	protein_coding	8	152187368	152166871	paraneoplastic MA antigen family member 4
26992	ENSG00000202679	CLEC2E	25659	6	0.03	protein_coding	7	139206902	139209730	C-type lectin domain family 2, member 4
26994	ENSG00000191444	PIK3CG	25660	12	0.03	protein_coding	12	18402548	18402548	phosphatidylinositol 3-kinase, catalytic subunit type 2 gamma
26997	ENSG00000205549	C5orf92	25668	9	0.03	protein_coding	9	16203933	16203933	chromosome 5 open reading frame 92
27007	ENSG00000121297	TSHZ2	25667	6	0.03	protein_coding	9	31768551	31768453	testis zinc finger homeobox 3
27044	ENSG00000158965	SLC5A11	25700	1	0.03	protein_coding	9	24851762	24851762	solute carrier family 5 (sodium-linked cotransporter), member 11
27058	ENSG000002024657	OR2D2	25714	3	0.03	protein_coding	6	29555683	29556745	olfactory receptor, family 2, subfamily H, member 2
27068	ENSG00000181610	OR12E	25722	6	0.03	protein_coding	17	40338078	40337070	hypoxanthine (orotic) neoptergine precursor
27073	ENSG00000165148	PPP1R2	25725	6	0.03	protein_coding	11	61248952	61248952	protein phosphatase 1, regulatory subunit 22
27087	ENSG00000184078	MSTR1	25748	8	0.03	protein_coding	3	49824435	49841299	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)
27095	ENSG00000204870	LMNB1	25747	3	0.03	protein_coding	1	13334902	13374228	HCG20425, isoform CRA_c, Uncharacterized protein, cDNA FLJ25815
27101	ENSG00000105983	LMNB1	25748	3	0.03	protein_coding	3	15648168	15648168	limb development membrane protein 3
27111	ENSG00000188974	GRIK1	25762	6	0.03	protein_coding	13	114321470	11440708	G protein-coupled receptor kinase 10
27120	ENSG00000122741	DCAF10	25771	5	0.03	protein_coding	9	37804959	37867863	DOB1 and CUL4 associated factor 10
27127	ENSG00000181724	OR2D2	25772	0	0.03	protein_coding	1	40231345	40231345	5-trans-retinoic acid inducible 2
27129	ENSG00000130244	FAM89C	25782	0	0.03	protein_coding	19	38893775	38899728	family with sequence similarity 98, member C
27175	ENSG00000187695	FAM89C	25823	5	0.03	protein_coding	3	12662917	12669017	Uncharacterized protein FLJ23738
27291	ENSG00000189894	MUC1A	25831	1	0.03	protein_coding	7	60281187	60281187	mucin 1A, cell surface associated
27296	ENSG00000196932	TMEM26	25886	4	0.03	protein_coding	10	6316401	63213208	transmembrane protein 26
27292	ENSG00000188778	ADRB1	25901	5	0.03	protein_coding	8	27820516	27820516	adrenoreceptor beta 3
27293	ENSG00000181428	FAM89C	25902	4	0.03	protein_coding	1	63431366	63431366	fast binding protein 12
27292	ENSG00000193308	LRRCS5	25912	0	0.03	protein_coding	11	56945221	56959191	leucine rich repeat containing 55
27360	ENSG00000218819	KHLH3	25965	3	0.03	protein_coding	2	21348789	21368144	tutor domain containing 15
27394	ENSG00000185915	PKR2	25971	3	0.03	protein_coding	4	21637680	21637680	hepatitis family member 14
27405	ENSG00000138895	PKR2G	25991	1	0.03	protein_coding	4	82008837	82136218	protein kinase, cGMP-dependent, type II
27406	ENSG00000204213	ZPRP	25995	7	0.03	protein_coding	7	48989017	50186925	zinc peptidase binding protein
27408	ENSG00000102822	OR2D2	25997	0	0.03	protein_coding	1	3733187	3733187	Uncharacterized protein
27416	ENSG00000147246	HTR2C	26008	9	0.03	protein_coding	8	113819551	114144224	5-hydroxytryptamine (serotonin) receptor 2C, G protein-coupled
27424	ENSG00000186049	PASD1	26037	7	0.03	protein_coding	8	15073294	150845121	PAS domain containing 1
27448	ENSG00000196883	OR2D2	26037	0	0.03	protein_coding	1	48382027	48382027	Hsp100 domain 52
27458	ENSG00000135312	HTR1B	26038	1	0.03	protein_coding	6	7811948	7811948	5-hydroxytryptamine (serotonin) receptor 1B, G protein-coupled
27490	ENSG00000182373	BEHD5	26072	6	0.03	protein_coding	1	48153195	49242441	BEIN domain containing 5
27491	ENSG00000111929	HES1	26073	1	0.03	protein_coding	11	118314	118314	hepatitis-like 1
27505	ENSG00000181333	HEPHE1	26087	0	0.03	protein_coding	11	9374527	9384917	hepatitis-like 1
27513	ENSG00000188386	PPP1R2	26096	4	0.03	protein_coding	9	10435397	10435783	protein phosphatase 3, regulatory subunit B, beta
27518	ENSG00000186888	PLK5	26099	0	0.03	protein_coding	19	152407	152407	polo-like kinase 5
27565	ENSG00000145103	LRT1	26143	0	0.03	protein_coding	19	127199170	127191051	immunoglobulin-like domain containing receptor 1
27582	ENSG00000142303	ADAMT10	26143	3	0.03	protein_coding	19	8845126	8875200	ADAM metalloproteinase with thrombospondin type 1 motif, 10
27588	ENSG00000184261	KANK12	26145	4	0.03	protein_coding	2	4743720	4748070	potassium channel, subfamily K, member 12
27592	ENSG00000150216	CYP24B1	26150	1	0.03	protein_coding	2	108862503	108874613	cytochrome P450, family 2, subfamily B1, polypeptide 1
27591	ENSG00000179044	EXOC3L1	26156	3	0.03	protein_coding	16	67218269	67224107	exocyst complex component 3-like 1
27628	ENSG00000202185	ROR2	26180	6	0.03	protein_coding	9	11516		

26435	ENS00000164972	CIB24	26914	0.03	protein_coding	9	3437007	3438760	chromosome 9 open reading frame 24
26471	ENS00000165329	RIIC1	26957	0.03	protein_coding	2	1856548	1856548	box-like RNA-binding protein
26482	ENS00000162055	MCATAC	26957	0.03	protein_coding	12	86037516	87232081	mannosyl (alpha-1-3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme C (putative)
26497	ENS00000168814	LRC27	26976	0.03	protein_coding	10	134165618	134195910	leucine rich repeat containing 27
26512	ENS00000166541	GALNT4	26991	0.03	protein_coding	2	3113305	3113305	UDP-N-acetyl-alpha-D-galactamine 4-epimerase N-acetylglucosaminyltransferase 14 (GalNAc T14)
26560	ENS00000165185	PTCH1	27030	0.03	protein_coding	4	17555695	17570945	patched receptor, alpha 3
26562	ENS00000165884	MM108	27031	0.03	protein_coding	12	23323133	23323289	dyx1c2 domain containing 1
26564	ENS00000165676	CCG3P	27032	0.03	protein_coding	11	6550144	6551166	wingless-type MMTV integrator site family, member 106
26566	ENS00000167953	PHF3	27043	0.03	protein_coding	1	11426365	11430311	coiled-coil domain containing 63
26568	ENS00000184487	TME25B	27072	0.03	protein_coding	13	114462216	114514926	putative homeobox transcription factor 1 transmembrane protein 25B
26634	ENS00000134436	HAK	27103	0.03	protein_coding	18	56934267	56941316	retina and anterior neural fold homeobox
26638	ENS00000196266	PTPRK	27108	0.03	protein_coding	20	40701952	41818610	protein tyrosine phosphatase, receptor type T
26640	ENS00000171603	GRM8	27108	0.03	protein_coding	7	126078652	126083348	glutamate receptor, metabotropic 8
26644	ENS00000192880	CEP350	27112	0.03	protein_coding	17	62562706	62538579	centrosomal protein 350Da
26669	ENS00000144195	SPRY7	27117	0.03	protein_coding	13	46274446	46276894	spERM1 associated
26677	ENS00000143552	NUP210L	27143	0.03	protein_coding	1	15366161	15417292	nucleoporin 210Da-like
26693	ENS00000162376	PSMA6	27146	0.03	protein_coding	14	35591755	35786489	Mitochondrial ribonuclease P protein 3
26708	ENS00000193291	PCAT2	27152	0.03	protein_coding	17	3617626	3703437	protein tyrosine phosphatase, receptor type T
26721	ENS00000144596	PTPLA	27162	0.03	protein_coding	3	14530619	14583588	integrin, alpha E (antigen CD113; human mucopolysaccharide antigen 1; alpha polypeptide)
26728	ENS00000197467	COL13A1	27200	0.03	protein_coding	10	71561844	71724031	collagen, type XIII, alpha 1
26729	ENS00000193780	MCT12C	27201	0.03	protein_coding	13	103330954	103346854	multisubstrate hexose-2-TC
26737	ENS00000144856	AGL3L	27211	0.03	protein_coding	7	154671259	15483732	ATP/GTP binding protein-like 3
26773	ENS00000171587	DSGAM	27253	0.03	protein_coding	21	41382926	4221905	Down syndrome cell adhesion molecule
26820	ENS00000197288	MTFRED1	27291	0.03	protein_coding	4	74263961	74263961	methyltetrahydrofolate dehydrogenase (NADPH-dependent) 2-like
26829	ENS00000174888	CATSPERD	27298	0.03	protein_coding	19	5720888	5727845	catsper channel auxiliary subunit delta
26854	ENS00000198889	DCAM1	27323	0.03	protein_coding	8	125663369	125668334	DOBI and CUL4 associated factor 12-like 1
26871	ENS00000165950	PCSK9	27328	0.03	protein_coding	1	429418	429418	proprotein convertase subtilisin/kexin type 9
26876	ENS00000143585	SVT2	27339	0.03	protein_coding	1	202559724	202679545	synaptotagmin II
26888	ENS00000192859	LYRM9	27352	0.03	protein_coding	17	26203409	26212178	LYR motif containing 9
26918	ENS00000193525	CCG3P2	27353	0.03	protein_coding	11	6306817	63117457	wingless-type MMTV integrator site family, member 67
26924	ENS00000178224	GALNT11	27368	0.03	protein_coding	7	151727289	151816425	UDP-N-acetyl-alpha-D-galactamine polypeptide N-acetylglucosaminyltransferase 11 (GalNAc T11)
26926	ENS00000173588	CCDC41	27388	0.03	protein_coding	12	34700225	34853764	coiled-coil domain containing 41
26926	ENS00000188687	SLCA45	27390	0.03	protein_coding	2	74443369	74570541	solute carrier family 4 (sodium bicarbonate cotransporter), member 5
26960	ENS00000181306	C12orf56	27409	0.03	protein_coding	12	44662017	44748472	chromosome 12 open reading frame 56
26968	ENS00000195581	ZNF474	27410	0.03	protein_coding	8	40381626	40381626	zinc finger protein 474
26975	ENS00000192768	ZNF473	27423	0.03	protein_coding	17	29988167	29988167	Uncharacterized protein 17
26984	ENS00000191255	KCNMA1	27455	0.03	protein_coding	11	30031288	30038570	potassium voltage-gated channel, shaker-related subfamily, member 4
26988	ENS00000191780	ACAC2	27455	0.03	protein_coding	18	223716	223716	zinc finger protein 98
26995	ENS00000131480	ACDC	27483	0.03	protein_coding	17	40998617	41027224	amine oxidase, copper containing 2 (retina-specific)
26943	ENS00000134115	CHTNB	27490	0.03	protein_coding	3	1134260	1144591	catenin 6
26970	ENS00000179660	SLC35A10	27520	0.03	protein_coding	2	129856769	129913069	solute carrier family 35, member 10
26974	ENS00000171625	CHST19	27521	0.03	protein_coding	19	38438952	38438952	chromosome 19 open reading frame 19
26985	ENS00000142188	DIRP	27530	0.03	protein_coding	7	11659363	11673880	5'IT overexpressing transcript 4
26986	ENS00000191285	DIRP2	27539	0.03	protein_coding	4	100414788	100519488	glycinylated protein 2
29124	ENS00000190491	CCDC79	27540	0.03	protein_coding	8	46748879	46836523	coiled-coil domain containing 79
29131	ENS00000191883	ARIH3OS	27564	0.03	protein_coding	3	4895221	4895221	aradine homology 2 opposite strand
29133	ENS00000190894	KM20B	27566	0.03	protein_coding	12	11286900	12211820	lysine (K)-specific dipeptidase 20
29138	ENS00000191748	WDR60	27567	0.03	protein_coding	12	10586944	10586944	WD repeat domain 66
29139	ENS00000196686	SPATAM1	27575	0.03	protein_coding	9	455336	4666674	spERM1 associated 6-like
29147	ENS00000198262	KCNAB1	27584	0.03	protein_coding	3	15575440	15629545	potassium voltage-gated channel, shaker-related subfamily, beta member 1
29148	ENS00000191614	NKX2-2	27591	0.03	protein_coding	4	507161	507161	N-acetylglucosamine-1-glucosyltransferase alpha-N-acetylglucosaminidase polycyclic lysine and hepatic class 1 (autosomal recessive)
29179	ENS00000171927	PKHD1	27615	0.03	protein_coding	6	61480098	61582223	chromosome 12 open reading frame 76
29180	ENS00000174456	C12orf78	27615	0.03	protein_coding	12	11048672	110511481	chromosome 12 open reading frame 76
29181	ENS00000191541	KCNK3	27619	0.03	protein_coding	6	8696352	8696352	Kv channel interacting protein 3, calcium
29188	ENS00000191373	KMEM17	27624	0.03	protein_coding	12	4428970	4428970	transmembrane protein 117
29197	ENS00000191542	WINTR3A	27634	0.03	protein_coding	1	22819472	22848861	wingless-type MMTV integrator site family, member 3A
29206	ENS00000191748	FIBIN14	27634	0.03	protein_coding	12	1671581	1671581	Fibronectin type III repeat protein 14
29217	ENS00000135637	CCDC142	27653	0.03	protein_coding	2	74689113	74710335	coiled-coil domain containing 142
29223	ENS00000191545	CACNA2D3	27657	0.03	protein_coding	3	54156574	55108984	calcium channel, voltage-dependent, alpha 2 delta subunit 3
29244	ENS00000190667	CCDC126	27659	0.03	protein_coding	15	38681802	38681802	Fibrous sheath interacting protein 15
29267	ENS00000145536	ADAMTS16	27665	0.03	protein_coding	5	5140443	5320417	ADAM metalloproteinase with thrombospondin type 1 motif, 16
29293	ENS00000134376	CBR1	27721	0.03	protein_coding	1	19717092	19747585	crumbs homolog 1 (Drosophila)
29308	ENS00000171001	MTOR3	27743	0.03	protein_coding	15	11845762	11845762	methyltetrahydrofolate dehydrogenase (NADPH)
29311	ENS00000198723	C16orf45	27743	0.03	protein_coding	19	757862	7573336	chromosome 16 open reading frame 45
29316	ENS00000191375	SMARCA4L1	27754	0.03	protein_coding	2	21277137	21277137	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1
29338	ENS00000191598	MTOR2	27759	0.03	protein_coding	2	20368768	20368768	serine/threonine kinase 2
29374	ENS00000140323	DISP2	27806	0.03	protein_coding	15	4065036	40663257	disrupted homolog 2 (Drosophila)
29388	ENS00000191848	DRD1	27823	0.03	protein_coding	5	17486742	17487211	dopamine receptor D1
29410	ENS00000191238	PIB4LAP	27823	0.03	protein_coding	1	1561123	1561123	PIB4LAP pseudotranscript
29441	ENS00000178155	CCDC57	27884	0.03	protein_coding	17	8055936	80570034	coiled-coil domain containing 57
29457	ENS00000174448	STAR26	27878	0.03	protein_coding	18	51880728	51918766	STAR-related lipid transfer (START) domain containing 6
29461	ENS00000191523	CEP350	27884	0.03	protein_coding	11	11774051	11774051	centrosomal protein 350Da
29486	ENS00000188919	ZACN	27903	0.03	protein_coding	17	74068042	74079747	zinc activated ligand-gated ion channel
29488	ENS00000186259	HDX	27907	0.03	protein_coding	8	83572882	83572882	heparin repeat homeobox
29498	ENS00000191553	WNT4	27910	0.03	protein_coding	22	2244168	2244168	wingless-type MMTV integrator site family, member 4
29506	ENS00000145338	PTH	27926	0.03	protein_coding	19	4952767	4952868	wingless-type MMTV integrator site family, member 4
29511	ENS00000191701	NAT16	27928	0.03	protein_coding	7	100813774	100902357	parathyroid hormone 2
29516	ENS00000191711	LOC1002885	27928	0.03	protein_coding	7	709118	709118	N-acetyltransferase 10 (GCN5-related, putative)
29556	ENS00000149654	CDH2	27965	0.03	protein_coding	20	4482372	4493137	Protocadherin 2, type 2
29565	ENS00000192853	HSD17B5	27972	0.03	protein_coding	6	11437670	114684209	heparan sulfate (glucosamine) 3-O-sulfotransferase 5
29572	ENS00000191777	KIF16L	27983	0.03	protein_coding	20	1627429	1654578	kinesin family member 16
29575	ENS00000191509	NKX2-1	27983	0.03	protein_coding	2	2361859	2361859	glutamate receptor, ionotropic, N-methyl D-aspartate 2C
29582	ENS000001910023	PLP2	27988	0.03	protein_coding	22	22006559	22054304	pyridoxal phosphate synthase (cyclophilin) like 2
29585	ENS00000191373	KCNK11	27991	0.03	protein_coding	2	21086555	211307457	potassium voltage-gated channel, subfamily H (shaker-related), member 1
29586	ENS00000191023	PPFR1C	27992	0.03	protein_coding	2	18281896	18281896	protein phosphatase, serine/threonine subunit 1C
29588	ENS00000171174	RKKS	27996	0.03	protein_coding	2	28004231	28113965	ribokinase
29593	ENS00000191623	WRAP53	28000	0.03	protein_coding	20	3547331	3569325	WD repeat containing, antisense to TP73
29596	ENS00000191483	TSR2	28003	0.03	protein_coding	20	61588846	62111498	zinc finger homeobox 2
29622	ENS00000185737	NRG3	28023	0.03	protein_coding	10	83635070	84146955	neuregulin 3
29634	ENS00000171245	KIF17	28034	0.03	protein_coding	1	20989207	21048310	kinesin family member 17
29643	ENS00000192534	CEP350	28035	0.03	protein_coding	11	11618896	11620309	centrosomal protein 350Da
29653	ENS00000191332	LENEP	28047	0.03	protein_coding	1	15486802	15486802	limb epithelial protein
29676	ENS00000125872	LHRN	28063	0.03	protein_coding	20	6021424	6034895	leucine rich repeat neuronal 4
29686	ENS00000191725	TTC4	28063	0.03	protein_coding	12	5211849	5211849	astrocyte-specific protein domain 4
29700	ENS00000191830	KIAA1024	28065	0.03	protein_coding	15	5974458	59794632	KIAA1024

31055	ENSG00000156170	NDUFAB8	29292	0.03	protein_coding	8	95907995	96129883	NADH dehydrogenase (ubiquinone) complex I assembly factor 8
31143	ENSG00000103137	DNAJC27	29307	0.03	protein_coding	8	25166628	25191963	Small RNA/DNA/RNAi family C, member 27
31171	ENSG00000131849	ZNF132	29395	0.03	protein_coding	19	58944181	58951589	zinc finger protein 132
31179	ENSG00000158691	ZSCAN12	29404	0.03	protein_coding	6	28346732	28367511	zinc finger and SCAN domain containing 12
31182	ENSG00000186796	SPRED3	29413	0.03	protein_coding	9	38979061	38986881	spredy-related, EVH1 domain containing 3
31252	ENSG00000102711	TLL1	29472	0.03	protein_coding	19	43435522	43465534	tubulin tyrosine ligase-like family, member 11
31259	ENSG00000171444	MCC	29479	0.03	protein_coding	5	112832786	112832786	mutated in colorectal cancers
31304	ENSG00000187103	PDP9L1	29515	0.03	protein_coding	9	13066138	13069376	phosphatidylinositol-4-phosphate 5-kinase-like 1
31312	ENSG00000186256	VPS38B	29524	0.03	protein_coding	15	91541688	91566583	vacuolar protein sorting 33 homolog B (yeast)
31333	ENSG00000185318	ZSCAN22	29550	0.03	protein_coding	19	58836385	58836385	zinc finger and SCAN domain containing 22
31352	ENSG00000185286	FAM74B1	29557	0.03	protein_coding	10	74927824	75044266	family with sequence similarity 149, member B1
31956	ENSG00000185958	ZFP41	30141	0.03	protein_coding	9	14328988	14343975	ZFP41 zinc finger protein
32202	ENSG00000088727	MIF9	30390	0.03	protein_coding	3	47289516	47342941	kinasin family member 9
25623	ENSG00000202318		24589	0.03	rRNA	2	165752187	165752287	rRNA, SS ribosomal pseudogene 111
26986	ENSG00000201810		25392	0.03	rRNA	2	11857023	11857629	rRNA, SS ribosomal pseudogene 84
27115	ENSG00000201931		25788	0.03	rRNA	4	178378205	178378382	rRNA, SS ribosomal pseudogene 172
27465	ENSG00000202278		26245	0.03	rRNA	1	39619836	39619988	rRNA, SS ribosomal pseudogene 44
27987	ENSG00000201976		26483	0.03	rRNA	2	74192550	74192533	rRNA, SS ribosomal pseudogene 97
24477	ENSG00000200002	ALMS1-IT1	23442	0.03	sense_intronic	2	73683891	73686811	ALMS1 intronic transcript 1 (non-protein coding)
27214	ENSG00000205672	CACNA1C-IT3	25855	0.03	sense_intronic	12	2378942	2388103	CACNA1C intronic transcript 3 (non-protein coding)
27874	ENSG00000202081		25925	0.03	sense_intronic	22	34119818	34120586	LARGE intronic transcript 1 (non-protein coding)
17101	ENSG00000209014		17852	0.03	snRNA	15	2523072	25232142	small nuclear RNA, CID box 108
24349	ENSG00000202923		23445	0.03	snRNA	2	19755872	19755154	Small Cap4 body specific RNA 16
26986	ENSG00000201923	SNORD114.4	24137	0.03	snRNA	14	10342353	10342374	small nuclear RNA, CID box 114.6
26889	ENSG00000202258		24113	0.03	snRNA	10	12082045	12082023	Small nuclear RNA, SNORA18
28905	ENSG00000202189		25500	0.03	snRNA	9	2078926	2078704	Small nuclear RNA, SNORA3/SNORA37 family
27100	ENSG00000201029		25772	0.03	snRNA	14	10042903	10042924	Small nuclear RNA, SNORD41
27123	ENSG00000201209		25778	0.03	snRNA	22	2862874	28628811	Small nuclear RNA, SNORD42
27194	ENSG00000201274		25840	0.03	snRNA	2	215711671	215711805	Small nuclear RNA, SNORD70
27173	ENSG00000201211		25840	0.03	snRNA	14	10001887	10001914	Small nuclear RNA, SNORD71
27943	ENSG00000202096		26459	0.03	snRNA	3	17933563	17933266	Small nuclear RNA, U13
29068	ENSG00000201130		27152	0.03	snRNA	7	64752309	64752388	Small nuclear RNA, SNORA63
17012	ENSG00000202062		17189	0.03	snRNA	8	86827639	86827639	rRNA, U6 small nuclear 46S, pseudogene
18499	ENSG00000202892		18872	0.03	snRNA	10	1088233	1088239	rRNA, U7 small nuclear 16S, pseudogene
18458	ENSG00000202030		18606	0.03	snRNA	4	15548585	15548589	rRNA, U6 small nuclear 128S, pseudogene
21920	ENSG00000202259		21947	0.03	snRNA	12	10901718	10901718	rRNA, U7 small nuclear 16S, pseudogene
22363	ENSG00000202259		21947	0.03	snRNA	11	100469193	100469295	rRNA, U7 small nuclear 131S, pseudogene
22844	ENSG00000202184		22961	0.03	snRNA	21	30115530	30115513	rRNA, U6 small nuclear 87S, pseudogene
23184	ENSG00000202059		23201	0.03	snRNA	11	12907281	12907285	rRNA, U6 small nuclear 87S, pseudogene
23370	ENSG00000202359		22548	0.03	snRNA	8	90912949	90913052	rRNA, U6 small nuclear 92S, pseudogene
23875	ENSG00000202806		23937	0.03	snRNA	20	18591691	18591611	rRNA, U6 small nuclear 92S, pseudogene
24344	ENSG00000201753		24351	0.03	snRNA	8	85897839	85897839	rRNA, U6 small nuclear 94S, pseudogene
24359	ENSG00000201911		23581	0.03	snRNA	3	37009882	37009807	rRNA, U6 small nuclear 4, pseudogene
24986	ENSG00000202731		23906	0.03	snRNA	3	8827303	88272408	rRNA, U6 small nuclear 128S, pseudogene
25143	ENSG00000196791		24406	0.03	snRNA	2	231461836	231451042	rRNA, U6 small nuclear 45I, pseudogene
26028	ENSG00000202022		24827	0.03	snRNA	2	80052003	80052004	rRNA, U6 small nuclear 90I, pseudogene
26154	ENSG00000202289		24828	0.03	snRNA	4	108789663	108789666	rRNA, U6 small nuclear 73S, pseudogene
26767	ENSG00000201709		25462	0.03	snRNA	17	44958946	44958915	rRNA, U6 small nuclear 310, pseudogene
26869	ENSG00000200906		25543	0.03	snRNA	8	77928786	77928782	rRNA, U6 small nuclear 85A, pseudogene
26886	ENSG00000206644		25543	0.03	snRNA	3	196120581	196120683	rRNA, U6 small nuclear 127S, pseudogene
27110	ENSG00000202680		25762	0.03	snRNA	1	200021189	200022093	rRNA, U6 small nuclear 370, pseudogene
27866	ENSG00000202363		26320	0.03	snRNA	17	8414443	8414509	rRNA, U7 small nuclear 43, pseudogene
27968	ENSG000002021870		26483	0.03	snRNA	18	56593429	56593528	rRNA, U2 small nuclear 69, pseudogene
28042	ENSG00000196248	RNU6-2BP	26537	0.03	snRNA	22	31873369	31873475	rRNA, U6 small nuclear 26, pseudogene
28396	ENSG00000202687	RNU6-4BP	26926	0.03	snRNA	6	87663102	87663102	rRNA, U6 small nuclear 46, pseudogene
28603	ENSG00000202894		27079	0.03	snRNA	18	14737645	14737706	rRNA, U7 small nuclear 125, pseudogene
28619	ENSG00000202787		27181	0.03	snRNA	10	98902924	98903030	rRNA, U6 small nuclear 127A, pseudogene
29100	ENSG00000202746		27224	0.03	snRNA	14	87862814	87862814	rRNA, U6 small nuclear 89S, pseudogene
28844	ENSG00000202240		27401	0.03	snRNA	2	24288706	24288706	rRNA, U6 small nuclear 370, pseudogene
28987	ENSG00000202260		27416	0.03	snRNA	5	88828440	88828444	rRNA, U6 small nuclear 72A, pseudogene
29100	ENSG00000202511		27553	0.03	snRNA	15	85813511	85813511	rRNA, U6 small nuclear 10S, pseudogene
30001	ENSG00000198460		28174	0.03	snRNA	2	69410009	69410115	rRNA, U6 small nuclear 121S, pseudogene
4204	ENSG00000211747		6538	0.03	TR_V_gene	7	142334163	142334163	T cell receptor beta variable 20-1
49001	ENSG00000211728		12178	0.03	TR_V_gene	2	142178827	142178827	T cell receptor beta variable 5-2
26066	ENSG00000211819		20652	0.03	TR_V_gene	14	22782922	22783351	T cell receptor alpha variable 40
18691	ENSG00000202824	NACAP1	19170	0.03	transcribed_unprocessed_pseudo_gene	8	102374022	102384935	nascent polypeptide-associated complex alpha polypeptide pseudogene 1
26020	ENSG00000196284	NUP210P1	24817	0.03	transcribed_unprocessed_pseudo_gene	3	126379452	126390782	nucleoporin 210kDa pseudogene 1
26076	ENSG00000202695		24863	0.03	transcribed_unprocessed_pseudo_gene	3	163833140	163835886	heat shock protein 90kDa alpha (cytosolic), class A member 5, pseudogene
26497	ENSG00000133228		25232	0.03	transcribed_unprocessed_pseudo_gene	17	58511039	58511357	ribosomal protein L12 pseudogene 38
27980	ENSG00000154698		26491	0.03	transcribed_unprocessed_pseudo_gene	17	20224477	20268870	coiled-coil domain containing 144C, pseudogene
28276	ENSG00000202981		26769	0.03	transcribed_unprocessed_pseudo_gene	12	120807243	120809491	ribosomal protein S27 pseudogene 25
28473	ENSG000002043024		26948	0.03	transcribed_unprocessed_pseudo_gene	12	64616117	64790485	ribosomal protein S11 pseudogene 6
28953	ENSG00000177350	RPL13AP3	27406	0.03	transcribed_unprocessed_pseudo_gene	14	56232895	56234435	ribosomal protein L13a pseudogene 3
29122	ENSG000002041735	FABP5P3	27558	0.03	transcribed_unprocessed_pseudo_gene	7	152133980	152140272	fatty acyl CoA reductase 1 pseudogene 3
29841	ENSG000002048278		28224	0.03	transcribed_unprocessed_pseudo_gene	17	46952222	46966345	SUMO2 pseudogene 17
29856	ENSG00000214289		28229	0.03	transcribed_unprocessed_pseudo_gene	3	134070694	134075403	ribosomal protein L39 pseudogene 5
22887	ENSG00000185596		22996	0.03	transcribed_unprocessed_pseudo_gene	15	102501356	102516788	WAS protein family homolog 3 pseudogene
25471	ENSG000001971483	SSX8	24381	0.03	transcribed_unprocessed_pseudo_gene	X	47987387	47988066	synovial sarcoma, X breakpoint 6 (pseudogene)
26572	ENSG00000202198	FAM20B	25297	0.03	transcribed_unprocessed_pseudo_gene	9	34832292	34838983	family with sequence similarity 205, member B
26883	ENSG00000187953	PMS2CL	25381	0.03	transcribed_unprocessed_pseudo_gene	7	6749759	6739493	PMS2 C-terminal like pseudogene
26914	ENSG00000214765	SEPT7P2	25577	0.03	transcribed_unprocessed_pseudo_gene	7	45783379	45808617	septin 7 pseudogene 2
26915	ENSG00000176654		25577	0.03	transcribed_unprocessed_pseudo_gene	12	8045172	8052736	Nang homeobox pseudogene 1
27814	ENSG000002029150		26344	0.03	transcribed_unprocessed_pseudo_gene	2	208972657	208977235	crystallin, gamma E, pseudogene
28112	ENSG00000201239	ANKRD20P1	26616	0.03	transcribed_unprocessed_pseudo_gene	16	46503253	46603009	ankyrin repeat domain 26 pseudogene 1
28256	ENSG00000196204	RNF71BP1	26751	0.03	transcribed_unprocessed_pseudo_gene	7	5013619	5000306	ring finger protein 216 pseudogene 1
28713	ENSG000002029538		27188	0.03	transcribed_unprocessed_pseudo_gene	15	84967471	84976535	ubiquitin-conjugating enzyme E2O family member 2 pseudogene 11
28806	ENSG0000020280128		27381	0.03	transcribed_unprocessed_pseudo_gene	15	30884941	30892918	ULK4 pseudogene 2
28883	ENSG000002044280	ECEL1P2	27348	0.03	transcribed_unprocessed_pseudo_gene	2	232520460	232525167	endothelin converting enzyme-like 1, pseudogene 2
28987	ENSG00000178162	FAR2P2	27438	0.03	transcribed_unprocessed_pseudo_gene	2	131174328	131188936	fatty acyl CoA reductase 2 pseudogene 2
29923	ENSG00000146001	PCDH18	28294	0.03	transcribed_unprocessed_pseudo_gene	5	140813938	140817101	protocadherin beta 18 pseudogene
30012	ENSG00000184699	ORF14P	28264	0.03	transcribed_unprocessed_pseudo_gene	11	17035545	17047883	olfactory receptor, family 7, subfamily E, member 14 pseudogene
30675	ENSG00000100058	CRYBB2P1	28942	0.03	transcribed_unprocessed_pseudo_gene	22	25844072	25916821	crystallin, beta B2 pseudogene 1
30798	ENSG000002022019	URAHF	29067	0.03	transcribed_unprocessed_pseudo_gene	16	90108169	90114181	urate (hydroxylase)-hydrolase, pseudogene
31274	ENSG00000183866	GUSBP4	29492	0.03	transcribed_unprocessed_pseudo_gene	5	21341942	21589481	glucuronidase, beta pseudogene 1
26879	ENSG000002025681	MIR670HG	24703	0.03	uniprot_pseudogene	11	43578338	43591945	MIR670 host gene (non-protein coding)
26256	ENSG00000								

16116	ENSG00000213303		17522.3	0.03					
16185	ENSG00000214598		17165	0.03					
16401	ENSG00000225273	UBE2Q2P3	17321.5	0.03	15	82647360	82712277		ubiquitin-conjugating enzyme E2Q family member 2 pseudogene 2
16872	ENSG00000202027		17686.3	0.03					
17121	ENSG00000209642		17803	0.03					
17137	ENSG00000209726		17872.6	0.03					
17293	ENSG00000207544		17882.8	0.03					
18145	ENSG00000218529		18616	0.03					
18285	ENSG00000203385		18844.6	0.03					
18439	ENSG00000136315		18832.2	0.03					
18724	ENSG00000181590		19055	0.03					
18748	ENSG00000204745		19055.5	0.03					
18793	ENSG00000224091		19085.5	0.03					
18814	ENSG00000205976		19103.2	0.03					
18948	ENSG00000202293		19389.5	0.03					
19817	ENSG00000206649		19727.8	0.03					
19810	ENSG00000270189		19880.8	0.03					
20437	ENSG00000205039		20175.2	0.03					
20874	ENSG00000204240		20697.3	0.03					
20984	ENSG00000271239		20781.6	0.03					
21111	ENSG00000202363		20775.9	0.03					
21177	ENSG000002058135		20937.3	0.03					
21331	ENSG00000205971		21056.8	0.03					
21593	ENSG00000201090		21282.3	0.03					
21713	ENSG00000202637		21385	0.03					
21878	ENSG00000222085		21487.5	0.03					
21898	ENSG00000202962		21547.8	0.03	1	186384123	186395908		Uncharacterized protein
22020	ENSG00000206148		21598.2	0.03					
22211	ENSG00000273154		21736.7	0.03					
22441	ENSG00000204743		21801	0.03					
22454	ENSG00000204302		21811.4	0.03					
22480	ENSG00000208930		21928	0.03					
22948	ENSG00000208943		22388.2	0.03	12	102183593	102183693		Small nuclear RNA U13
23035	ENSG00000207890		22381.7	0.03					
23081	ENSG00000201856		22414.1	0.03					
23254	ENSG00000202521		22533.3	0.03					
23279	ENSG00000209990		22562.2	0.03					
23401	ENSG00000208104		22663.4	0.03					
23433	ENSG00000202983		22688	0.03					
23456	ENSG00000224298	H2AFB1	22698.3	0.03	X	154113317	154113833		H2A histone family, member B1
23477	ENSG00000206717		22712.5	0.03					
23488	ENSG00000202490		22721	0.03					
23529	ENSG00000180712		22748.1	0.03					
23535	ENSG00000225557		22749.8	0.03					
23571	ENSG00000204540		22719.4	0.03	13	50007495	50020554		Sarcoma antigen NY-SAR-79. Uncharacterized protein
23815	ENSG00000203742		22915.75	0.03					
23881	ENSG00000235575		22876.5	0.03					
23711	ENSG00000204844		22886.6	0.03	6	74103636	74103736		Small nuclear RNA U13
23842	ENSG00000205112		23011.1	0.03					
24011	ENSG00000202488		23159.3	0.03					
24019	ENSG00000202143		23162.5	0.03					
24021	ENSG00000213351		23164	0.03					
24034	ENSG000002026423		23169.4	0.03					
24361	ENSG00000272022		23458.6	0.03					
24386	ENSG00000271362		23479.5	0.03					
24409	ENSG000002087205		23484.6	0.03					
24439	ENSG00000203071		23516.1	0.03					
24588	ENSG00000202942		23625	0.03					
24603	ENSG00000213170		23638.2	0.03					
24638	ENSG00000203487		23672.4	0.03					
24659	ENSG00000202015		23683.5	0.03					
24671	ENSG000002035787		23703.6	0.03					
24695	ENSG00000203042		23728.2	0.03	14	92181280	92181474		Small nuclear RNA U3
24804	ENSG00000202178		23828.7	0.03					
24827	ENSG000002037842		23847.9	0.03					
24855	ENSG000002042953		23875.2	0.03					
24903	ENSG00000215503		23917.4	0.03					
24904	ENSG000002081638		23919.5	0.03					
25002	ENSG000002073285		23994.3	0.03					
25050	ENSG000002058188		24024.6	0.03					
25095	ENSG00000202087		24051.5	0.03					
25103	ENSG00000202840		24081.8	0.03					
25158	ENSG00000204565		24090.3	0.03					
25217	ENSG000002031106		24164.7	0.03					
25235	ENSG000002081078		24179.3	0.03					
25267	ENSG00000202868		24205.9	0.03					
25277	ENSG00000187912		24214	0.03					
25298	ENSG000002071192		24234	0.03					
25357	ENSG000002022159		24287.4	0.03					
25367	ENSG00000203308		24297.3	0.03					
25382	ENSG000002087943		24306.4	0.03					
25385	ENSG00000202243		24388.8	0.03					
25409	ENSG000002032979		24333.2	0.03					
25431	ENSG000002023335		24348.8	0.03					
25438	ENSG00000202534		24352.4	0.03					
25474	ENSG00000202791		24362.1	0.03	10	47253595	47259483		glutamate dehydrogenase 1 pseudogene B
25477	ENSG000002030845		24387.6	0.03					
25484	ENSG00000208644		24390.2	0.03					
25501	ENSG00000208813		24403.3	0.03					
25575	ENSG000002033967		24446.3	0.03					
25571	ENSG000002034245		24447.5	0.03					
25574	ENSG00000208390		24447.5	0.03					
25585	ENSG00000205598		24452.9	0.03					
25628	ENSG00000185931		24502.6	0.03					
25640	ENSG00000201762		24514.2	0.03					
25674	ENSG0000020251823		24538.5	0.03					
25684	ENSG000002031490		24549.5	0.03					
25693	ENSG000002041397		24554.4	0.03					
25695	ENSG000002044722		24555.4	0.03					
25707	ENSG000002027318		24565.3	0.03					
25728	ENSG000002021290		24578.8	0.03					
25737	ENSG000002068578		24588.4	0.03					
25744	ENSG000002023231		24593.7	0.03					
25777	ENSG000002042278		24617.4	0.03					
25781	ENSG000002083911		24620.1	0.03	20	43508479	43509775		RNA, 78S, cytoplasmic 31, pseudogene
25803	ENSG000002081330		24642.8	0.03					
25830	ENSG000002025447		24670.4	0.03					
25838	ENSG000002036679		24678.9	0.03					
25841	ENSG000002089504		24680	0.03					
25853	ENSG00000202118		24688.3	0.03					
25902	ENSG00000198533	C1orf186	24725.6	0.03	1	206238872	206288847		chromosome 1 open reading frame 186
25904	ENSG00000206717		24726.9	0.03					
25920	ENSG000002031885		24737.5	0.03					
25930	ENSG000002031723		24742.1	0.03					
25938	ENSG00000203058		24748.7	0.03					
25948	ENSG000002023647		24757.8	0.03					
25964	ENSG000002070104		24770.1	0.03					
25973	ENSG000002033565		24776.7	0.03					
25978	ENSG00000204088		24781.8	0.03					
25982	ENSG000002028622		24783.1	0.03					
25987	ENSG000002041251		24786.2	0.03					
26023	ENSG000002081869		24830.9	0.03	2	203104298	203104435		Uncharacterized protein
26068	ENSG000002040291		24857.4	0.03					
26070	ENSG000002073091		24859	0.03					
26086	ENSG000002026511		24870.1	0.03					
26088	ENSG00000202903		24874.5	0.03					
26093	ENSG000002025833		24879.5	0.03					
26097	ENSG00000202699		24881.1	0.03					
26099	ENSG00000203775		24882.2	0.03					
26100	ENSG000002036533		24882.5	0.03					
26114	ENSG000002091480		24899	0.03					
26128	ENSG00000204868		24904.6	0.03					
26127	ENSG000002053509		24905.7	0.03					
26142	ENSG000002096306		24917.1	0.03					
26149	ENSG00000204192		24923.6	0.03					
26151	ENSG000002068688		24925.3	0.03					
26171	ENSG000002701762		24944.2	0.03					
26184	ENSG000002031760		24954.3	0.03					
26187	ENSG000002030442		24963.7	0.03					
26245	ENSG00000204579		25001.5	0.03					
26250	ENSG00000203315		25006	0.03					
26285	ENSG000002036130		25013.8	0.03					
26287	ENSG000002040295		25017	0.03					
26294	ENSG00000202714		25018.1	0.03					
26307	ENSG000002031455		25063.7	0.03					
26312	ENSG000002036299		25070	0.03					
26388	ENSG000002024425		25129	0.03					
26398	ENSG000002050602		25139.9	0.03					
26412	ENSG000002081303		25149.2	0.03					
26413	ENSG000002020338		25149.2	0.03	22	24389538	24401899		glutathione S-transferase theta pseudogene 2
26421	ENSG000002064878		25153.8	0.03				</	

26422	ENSG00000262138	25154	0.03				
26428	ENSG00000262178	25170	0.03				
26436	ENSG00000256732	25175.3	0.03				
26437	ENSG00000231426	25177.7	0.03				
26459	ENSG00000215471	25202.9	0.03				
26461	ENSG00000232743	25204	0.03	1	142803532	142827235	ankyrin repeat domain 20 family, member A14, pseudogene
26463	ENSG00000224406	25204.3	0.03				
26510	ENSG00000240738	25247.6	0.03				
26516	ENSG00000249388	25253	0.03				
26531	ENSG00000271701	25284.1	0.03				
26563	ENSG00000258479	25291.1	0.03				
26564	ENSG00000228141	25296.1	0.03				
26573	ENSG00000232002	25297.4	0.03				
26615	ENSG00000249304	25336.5	0.03				
26633	ENSG00000229379	25348	0.03				
26647	ENSG00000230559	25357.2	0.03				
26665	ENSG00000265174	25369.3	0.03				
26668	ENSG00000217601	25373.5	0.03				
26675	ENSG00000258751	25377.4	0.03				
26724	ENSG00000256499	25421.7	0.03				
26728	ENSG00000243668	25421.9	0.03				
26737	ENSG00000255648	25432.8	0.03				
26759	ENSG00000214301	25454.6	0.03				
26766	ENSG00000232555	25461.3	0.03				
26769	ENSG00000238103	25483	0.03	5	122345237	122345335	Small nuclear RNA U13
26795	ENSG00000225923	25486.7	0.03				
26816	ENSG00000232478	25510.1	0.03				
26820	ENSG00000237013	25511.7	0.03				
26826	ENSG00000250271	25515	0.03				
26833	ENSG00000235768	25517.5	0.03				
26849	ENSG00000226320	25525.3	0.03				
26850	ENSG00000228981	25527.7	0.03				
26852	ENSG00000236603	25527.7	0.03				
26857	ENSG00000225752	25530.5	0.03				
26859	ENSG00000244564	25531.8	0.03				
26861	ENSG00000232952	25532	0.03				
26863	ENSG00000229407	25533.9	0.03				
26870	ENSG00000224516	25540.5	0.03				
26875	ENSG00000234919	25545.7	0.03				
26883	ENSG00000281652	25551.2	0.03				
26892	ENSG00000234945	25559.6	0.03				
26894	ENSG00000232463	25561.7	0.03				
26895	ENSG00000235872	25562.6	0.03				
26898	ENSG00000174171	25565	0.03				
26898	ENSG00000234660	25571.1	0.03				
26911	ENSG00000253951	25576.3	0.03				
26941	ENSG00000228327	25597.7	0.03				
26947	ENSG00000232861	25604.6	0.03				
26952	ENSG00000255740	25609.4	0.03				
26961	ENSG00000272710	25616.5	0.03				
26974	ENSG00000236294	25633.4	0.03				
26984	ENSG00000239392	25648.6	0.03				
26988	ENSG00000225024	25659.8	0.03				
27002	ENSG00000241281	25662.5	0.03				
27013	ENSG00000230999	25672.9	0.03				
27017	ENSG00000224916	25676.9	0.03				
27039	ENSG00000189316	25698	0.03				
27056	ENSG00000235142	25703.3	0.03				
27054	ENSG00000237549	25706.8	0.03				
27064	ENSG00000236076	25720	0.03				
27071	ENSG00000225823	25726.3	0.03				
27075	ENSG00000233955	25730.7	0.03				
27077	ENSG00000227121	25731	0.03				
27080	ENSG00000204953	25737.1	0.03				
27084	ENSG00000227496	25739.8	0.03				
27105	ENSG00000197062	25755.7	0.03				
27112	ENSG00000231143	25761.3	0.03				
27135	ENSG00000228262	25786.1	0.03				
27139	ENSG00000239146	25788	0.03	3	185160007	185160107	Small nuclear RNA U13
27140	ENSG00000232388	25788.3	0.03				
27154	ENSG00000259480	25800	0.03				
27160	ENSG00000232355	25806.1	0.03				
27168	ENSG00000236911	25815.8	0.03				
27167	ENSG00000254365	25815.8	0.03				
27170	ENSG00000216188	25819.4	0.03				
27174	ENSG00000230528	25823	0.03				
27195	ENSG00000220937	25841	0.03				
27210	ENSG00000224721	25850.2	0.03				
27212	ENSG00000221088	25850.9	0.03				
27217	ENSG00000233862	25859.6	0.03				
27223	ENSG00000248491	25863	0.03				
27228	ENSG00000230950	25865.4	0.03				
27231	ENSG00000234513	25869.9	0.03				
27240	ENSG00000264458	25875.5	0.03				
27268	ENSG00000234535	25883.9	0.03				
27264	ENSG00000232296	25885.5	0.03				
27272	ENSG00000257818	25890.7	0.03				
27273	ENSG00000251163	25891.4	0.03				
27274	ENSG00000236353	25892.2	0.03				
27280	ENSG00000237461	25900.1	0.03	19	11122384	11122880	RNA 7SL, cytoplasmic 192, pseudogene
27290	ENSG00000246992	25913.6	0.03				
27296	ENSG00000260445	25917.4	0.03				
27301	ENSG00000204460	25919	0.03				
27302	ENSG00000261646	25919.1	0.03				
27311	ENSG00000250144	25926.8	0.03				
27315	ENSG00000254423	25928.9	0.03				
27324	ENSG00000232338	25935.4	0.03				
27340	ENSG00000229710	25951	0.03				
27354	ENSG00000259524	25963.4	0.03				
27363	ENSG00000215041	25967.6	0.03				
27370	ENSG00000220988	25972.4	0.03				
27375	ENSG00000242683	25977.8	0.03				
27379	ENSG00000253105	25980.4	0.03				
27402	ENSG00000246992	25993.7	0.03				
27413	ENSG00000259708	26004.4	0.03				
27421	ENSG00000264280	26011.4	0.03	19	48084280	48084576	RNA 7SL, cytoplasmic 322, pseudogene
27438	ENSG00000229122	26024.2	0.03				
27439	ENSG00000270405	26026	0.03				
27448	ENSG00000264492	26035.9	0.03				
27450	ENSG00000230378	26036.8	0.03				
27460	ENSG00000230387	26040.2	0.03				
27462	ENSG00000239395	26041	0.03				
27468	ENSG00000230551	26048.3	0.03				
27470	ENSG00000228738	26050.1	0.03				
27473	ENSG00000230738	26053.4	0.03				
27492	ENSG00000230378	26074.8	0.03				
27495	ENSG00000260101	26075.5	0.03				
27501	ENSG00000272192	26082.2	0.03				
27508	ENSG00000234198	26088	0.03				
27509	ENSG00000259306	26089.6	0.03				
27515	ENSG00000227033	26097.9	0.03				
27517	ENSG00000232201	26098.1	0.03				
27528	ENSG00000225028	26102	0.03				
27537	ENSG00000234255	26105.8	0.03				
27544	ENSG00000260658	26110.3	0.03				
27555	ENSG00000249106	26119.8	0.03				
27563	ENSG00000226329	26126.9	0.03				
27568	ENSG00000270295	26128.4	0.03				
27605	ENSG00000204844	26163.5	0.03				
27608	ENSG00000272668	26164.1	0.03				
27612	ENSG00000236073	26166.6	0.03				
27614	ENSG00000201115	26172.6	0.03				
27622	ENSG00000225142	26174.4	0.03				
27652	ENSG00000235078	26211.4	0.03				
27665	ENSG00000230164	26218.4	0.03				
27672	ENSG00000228336	26225.5	0.03				
27681	ENSG00000248629	26230.5	0.03				
27689	ENSG00000230389	26232.4	0.03				
27712	ENSG00000261173	26261	0.03				
27721	ENSG00000265443	26288.2	0.03				
27729	ENSG00000271344	26297	0.03				
27731	ENSG00000258017	26274.1	0.03				
27733	ENSG00000260998	26274.4	0.03				
27745	ENSG00000213765	26284.7	0.03				
27749	ENSG00000249618	26285.5	0.03				
27752	ENSG00000239259	26288.4	0.03				
27768	ENSG00000232856	26317.4	0.03				
27792	ENSG00000225868	26319	0.03				
27817	ENSG00000230895	26345	0.03				
27821	ENSG00000244027	26346.6	0.03	2	197154133	197154429	RNA 7SL, cytoplasmic 820, pseudogene
27823	ENSG00000233823	26347	0.03				

27877	ENS00000259946		26350.8	0.03					
27878	ENS00000259959		26350.8	0.03					
27884	ENS00000253632		26364.6	0.03					
27884	ENS00000229805		26383.4	0.03					
27885	ENS00000226405		26386.9	0.03					
27876	ENS00000227941		26394	0.03					
27886	ENS00000227554		26417	0.03					
27900	ENS00000226111		26423.6	0.03					
27905	ENS00000229772		26428.1	0.03					
27917	ENS00000224586		26435.9	0.03					
27924	ENS00000225530		26444	0.03					
27954	ENS00000228172		26453.4	0.03					
27938	ENS00000231871		26453.9	0.03					
27940	ENS00000224827		26456.6	0.03					
27954	ENS00000231955		26474.3	0.03					
27973	ENS000002225873		26486	0.03					
27974	ENS000002254208		26486.1	0.03					
27976	ENS00000229388		26487.1	0.03					
27986	ENS000002235574		26493.4	0.03					
27989	ENS000002220223		26496.7	0.03					
27990	ENS00000231156		26497.5	0.03					
27994	ENS000002283970		26497.8	0.03					
28005	ENS000002256571		26512.5	0.03					
28006	ENS000002251680		26513.1	0.03					
28024	ENS000002253480		26525.7	0.03					
28043	ENS000002240207		26542.6	0.03					
28048	ENS00000221427		26548	0.03					
28051	ENS000002257628		26549	0.03					
28053	ENS000002223732		26551.8	0.03					
28057	ENS000002255203	16	70298072	70298383				RNA_TSL_cytoplasmic_407_pseudogene	
28058	ENS000002255027		26558.9	0.03					
28086	ENS000002298308		26594.1	0.03					
28118	ENS00000231131		26624.3	0.03					
28130	ENS000002269624	1	63073437	63075249				CDNA_FLJ20506 fs. clone KDN07105. Uncharacterized protein	
28131	ENS000002323757		26636.1	0.03					
28140	ENS000002225548		26643	0.03					
28143	ENS000002260570		26645.6	0.03					
28156	ENS000002258417		26661.7	0.03					
28157	ENS000002298950		26664.9	0.03					
28161	ENS000002311107		26665	0.03					
28166	ENS000002225985		26669.6	0.03					
28168	ENS000002227813		26690.1	0.03					
28230	ENS000002281220		26728.3	0.03					
28246	ENS000002227811		26744.6	0.03					
28248	ENS00000226191		26746.5	0.03					
28268	ENS000002281380		26767	0.03					
28288	ENS000002230339		26775	0.03					
28308	ENS000002292764		26802.7	0.03					
28317	ENS000002258964		26810.6	0.03					
28324	ENS000002197320		26815.6	0.03					
28345	ENS000002232351		26829.6	0.03					
28364	ENS000002234558		26848.5	0.03					
28370	ENS000002258532		26850.5	0.03					
28373	ENS000002270103		26852.4	0.03					
28375	ENS000002226153		26853.2	0.03					
28384	ENS000002258883		26859.9	0.03					
28390	ENS000002270742		26899	0.03					
28394	ENS000002185229		26911.3	0.03					
28397	ENS000002258637		26980.7	0.03					
28405	ENS000002215004		26986.3	0.03					
28418	ENS000002223151		26995.3	0.03					
28417	ENS000002202761		26995.7	0.03					
28425	ENS000002241439		26999.2	0.03					
28428	ENS000002248153		26995.3	0.03					
28429	ENS000002251171		26988.3	0.03					
28431	ENS000002222945		26999	0.03					
28440	ENS000002224238		26917.6	0.03					
28448	ENS000002235447		26924.9	0.03					
28452	ENS000002240452		26928.7	0.03					
28478	ENS000002224338		26952.8	0.03					
28496	ENS000002234229		26975	0.03					
28510	ENS000002272420		26989	0.03					
28515	ENS000002214474		26993.7	0.03					
28518	ENS000002257070		26998.2	0.03					
28529	ENS000002234311		27008	0.03					
28553	ENS000002225153		27025.3	0.03					
28563	ENS000002258458		27031.9	0.03					
28568	ENS000002248988		27036.5	0.03					
28575	ENS00000222214		27040.7	0.03					
28583	ENS00000222214		27053.2	0.03	15	72084977	72110600	nuclear receptor subfamily 2, group E, member 3	
28584	ENS000002281770		27053.5	0.03					
28598	ENS000002224698		27062.7	0.03					
28604	ENS000002248225		27080.1	0.03					
28605	ENS000002258473		27080.5	0.03					
28607	ENS000002298670		27080.9	0.03					
28612	ENS000002254228		27095.3	0.03					
28622	ENS000002254271		27094.5	0.03					
28626	ENS000002281186		27095.6	0.03					
28646	ENS000002286932		27112.6	0.03					
28658	ENS000002281474		27121.9	0.03					
28659	ENS000002255932		27122.9	0.03					
28660	ENS000002291852		27123.7	0.03					
28664	ENS000002287130		27131.1	0.03					
28666	ENS000002248370		27134.4	0.03					
28670	ENS000002224811		27137.3	0.03					
28681	ENS000002285530		27145.9	0.03					
28700	ENS000002187456	RDM1	27176.3	0.03	17	34245070	34257777	RAD52 motif 1	
28702	ENS000002241923		27181	0.03					
28712	ENS000002286907		27187.8	0.03					
28716	ENS000002254478		27189	0.03					
28720	ENS000002252622		27202.3	0.03					
28741	ENS000002232546		27215.9	0.03					
28743	ENS000002282827		27219.4	0.03					
28768	ENS000002286074		27234.4	0.03					
28761	ENS000002204637		27236.2	0.03					
28767	ENS000002227008		27243.4	0.03					
28774	ENS000002233370		27254.2	0.03					
28790	ENS000002242620		27270.4	0.03	15	90837183	90837455	RNA_TSL_cytoplasmic_736_pseudogene	
28794	ENS000002224884		27273.6	0.03					
28798	ENS000002224920		27273.9	0.03					
28800	ENS000002287656		27277.8	0.03					
28803	ENS000002258565		27279.8	0.03					
28807	ENS000002281821		27281.7	0.03					
28820	ENS000002228961		27290.5	0.03					
28834	ENS000002224292		27304.8	0.03					
28859	ENS000002224323		27326.7	0.03					
28862	ENS000002259398		27329.5	0.03					
28864	ENS000002213851		27331.5	0.03					
28868	ENS000002215389		27335.4	0.03					
28872	ENS000002191335		27338.2	0.03					
28877	ENS000002228404		27341.5	0.03					
28880	ENS000002221678		27344.3	0.03					
28881	ENS000002322996		27345.2	0.03	12	48321722	48321816	Y RNA	
28892	ENS000002248795		27354.7	0.03					
28891	ENS000002287819		27353.6	0.03					
28908	ENS000002283271		27366.3	0.03					
28910	ENS000002230988		27372.2	0.03					
28923	ENS000002259603		27388.7	0.03					
28927	ENS000002243360		27391.5	0.03					
28933	ENS000002256802		27395.5	0.03					
28936	ENS000002282298		27399	0.03	9	133325241	133325342	Small nuclear RNA U13	
28940	ENS000002271666		27404.5	0.03					
28952	ENS000002280328		27405.3	0.03					
28954	ENS000002198150		27408.6	0.03	17	6261731	6263538	HCG1185372. Uncharacterized protein: cDNA FLJ37541 fs. clone BIRCAN2226340	
28956	ENS000002222889		27407.2	0.03					
28969	ENS000002243304		27417.1	0.03					
28985	ENS000002284589		27434.9	0.03					
28986	ENS000002253488		27437	0.03					
29012	ENS000002259788		27459.3	0.03					
29021	ENS000002253433		27466.7	0.03					
29049	ENS000002221327		27497.4	0.03					
29050	ENS000002230929		27497.5	0.03					
29071	ENS000002259254		27521	0.03					
29076	ENS000002225221		27524	0.03					
29082	ENS000002288549		27528.7	0.03					
29083	ENS000002292578		27529.8	0.03					
29098	ENS00000221763		27533.9	0.03					
29091	ENS00000228767		27532.9	0.03					
29096	ENS000002272164		27539.7	0.03					
29102	ENS000002251448		27543.2	0.03					
29107	ENS000002254471		27546.3	0.03					

29108	ENSG00000259963		27547.1	0.03					
29144	ENSG00000271910		27530.3	0.03					
29146	ENSG00000247732		27584.7	0.03					
29153	ENSG00000272081		27596.1	0.03					
29158	ENSG00000256145		27588.7	0.03					
29159	ENSG00000231868		27600.6	0.03					
29169	ENSG00000257557		27605.7	0.03					
29175	ENSG00000269011		27619.0	0.03					
29191	ENSG00000264536		27627.2	0.03					
29202	ENSG00000249163		27642.9	0.03					
29203	ENSG00000266994		27643.3	0.03					
29204	ENSG00000259985		27644.5	0.03					
29206	ENSG00000230180		27647.6	0.03					
29232	ENSG00000273176		27665.7	0.03					
29234	ENSG00000292134		27667.3	0.03					
29250	ENSG00000243224		27682.1	0.03					
29251	ENSG00000269921		27682.2	0.03					
29261	ENSG00000255735		27692.6	0.03					
29265	ENSG00000266960		27694.8	0.03					
29277	ENSG00000260310		27700.4	0.03					
29279	ENSG00000254333		27702.4	0.03					
29280	ENSG00000272383		27707.2	0.03					
29284	ENSG00000233847		27707.7	0.03					
29291	ENSG00000251178		27718.4	0.03					
29294	ENSG00000260266		27723.7	0.03					
29301	ENSG00000226279		27726.7	0.03					
29306	ENSG00000272070		27739.3	0.03					
29309	ENSG00000269574		27743.3	0.03					
29310	ENSG00000188953		27743.6	0.03					
29315	ENSG00000231378		27752.5	0.03					
29322	ENSG00000258012		27756.5	0.03					
29335	ENSG00000271931		27765.3	0.03					
29352	ENSG00000231774		27779.3	0.03					
29362	ENSG00000255367		27790.1	0.03					
29379	ENSG00000225140		27811.4	0.03					
29384	ENSG00000252175		27813.3	0.03					
29386	ENSG00000229689		27822.1	0.03					
29404	ENSG00000234599		27833.0	0.03					
29408	ENSG00000267939		27835.6	0.03					
29412	ENSG00000256399		27840.2	0.03					
29414	ENSG00000267898		27840.6	0.03					
29417	ENSG00000252141		27843.8	0.03					
29418	ENSG00000255581		27843.7	0.03					
29442	ENSG00000272844		27867.9	0.03					
29445	ENSG00000269701		27869.2	0.03					
29447	ENSG00000259463		27899.7	0.03					
29455	ENSG00000248240		27876.9	0.03					
29484	ENSG00000264000		27884.9	0.03					
29476	ENSG00000231437		27896.5	0.03					
29484	ENSG00000258827		27902.2	0.03					
29485	ENSG00000259190		27903.4	0.03					
29489	ENSG00000271798		27908.3	0.03					
29496	ENSG00000254510		27915.9	0.03					
29507	ENSG00000257913		27927.1	0.03					
29514	ENSG00000269206		27930.3	0.03					
29520	ENSG00000242357		27938.2	0.03					
29529	ENSG00000269227		27943.1	0.03					
29533	ENSG00000111768		27947.1	0.03					
29534	ENSG00000254507		27947.3	0.03					
29546	ENSG00000253978		27959.6	0.03					
29570	ENSG00000219118		27976.5	0.03					
29578	ENSG00000268141		27985.6	0.03					
29591	ENSG00000215246		27999.9	0.03					
29596	ENSG00000243415		28006.4	0.03					
29616	ENSG00000267689		28020.1	0.03					
29625	ENSG00000271782		28030.5	0.03					
29632	ENSG00000244522		28033.7	0.03					
29640	ENSG00000255342		28038.8	0.03					
29641	ENSG00000232861		28039.0	0.03					
29652	ENSG00000216118		28047.7	0.03					
29679	ENSG00000234982		28059.9	0.03					
29689	ENSG00000254572		28079.0	0.03					
29690	ENSG00000271075		28079.5	0.03					
29693	ENSG00000269599		28080.7	0.03					
29698	ENSG00000250543		28083.2	0.03					
29702	ENSG00000273476		28088.0	0.03					
29703	ENSG00000270173		28088.6	0.03					
29718	ENSG00000268721		28101.7	0.03					
29729	ENSG00000242391		28114.3	0.03					
29744	ENSG00000256439		28129.8	0.03					
29745	ENSG00000250989		28129.9	0.03					
29749	ENSG00000249753		28132.2	0.03					
29784	ENSG00000267342		28165.0	0.03					
29806	ENSG00000241537		28183.3	0.03					
29807	ENSG00000254962		28186.2	0.03					
29811	ENSG00000245975		28189.6	0.03					
29815	ENSG00000272762		28194.0	0.03					
29844	ENSG00000269391		28228.6	0.03					
29873	ENSG00000224888		28253.5	0.03					
29880	ENSG00000237916		28259.9	0.03					
29890	ENSG00000236265		28262.3	0.03					
29927	ENSG00000236810		28288.2	0.03					
29928	ENSG00000269486		28299.7	0.03					
29942	ENSG00000256489		28310.8	0.03					
29949	ENSG00000245479		28314.6	0.03					
29961	ENSG00000269884		28319.7	0.03					
29973	ENSG00000272293		28341.1	0.03					
29975	ENSG00000259195		28343.0	0.03					
29999	ENSG00000271248		28373.4	0.03					
30000	ENSG00000247623		28374.0	0.03					
30009	ENSG00000230534		28384.7	0.03					
30011	ENSG00000269874		28385.3	0.03					
30017	ENSG00000269275		28388.6	0.03					
30019	ENSG00000250379		28389.7	0.03					
30036	ENSG00000267765		28407.3	0.03					
30046	ENSG00000259877		28418.9	0.03					
30065	ENSG00000267113		28433.0	0.03					
30069	ENSG00000269859		28436.8	0.03					
30070	ENSG00000259691		28436.5	0.03					
30083	ENSG00000262420		28448.2	0.03					
30172	ENSG00000257005		28531.5	0.03					
30174	ENSG00000256355		28532.8	0.03					
30176	ENSG00000255500		28533.8	0.03					
30191	ENSG00000232034		28547.5	0.03					
30225	ENSG00000232651		28574.9	0.03					
30298	ENSG00000235545		28639.9	0.03					
30313	ENSG00000269845		28648.3	0.03					
30349	ENSG00000267417		28659.8	0.03					
30439	ENSG00000252468		28740.9	0.03					
30469	ENSG00000257740		28762.7	0.03					
30500	ENSG00000264979		28786.7	0.03					
30519	ENSG00000241528		28801.9	0.03					
30525	ENSG00000226824		28805.7	0.03					
30541	ENSG00000269599		28820.0	0.03					
30579	ENSG00000245522		28853.1	0.03					
30600	ENSG00000273270		28877.0	0.03					
30625	ENSG00000272691		28907.2	0.03					
30640	ENSG00000261915		28913.7	0.03					
30650	ENSG00000269698		28927.1	0.03					
30656	ENSG00000259456		28932.3	0.03					
30664	ENSG00000269400		28937.6	0.03					
30679	ENSG00000233170		28952.4	0.03					
30699	ENSG00000273027		28973.7	0.03					
30704	ENSG00000251204		28983.3	0.03					
30718	ENSG00000269649		28995.9	0.03					
30763	ENSG00000251363		29046.5	0.03					
30765	ENSG00000224713		29046.1	0.03					
30790	ENSG00000233698		29068.2	0.03					
30829	ENSG00000233330		29106.5	0.03					
30844	ENSG00000269599		29126.7	0.03					
30917	ENSG00000213540		29177.7	0.03					
30940	ENSG00000270102		29195.4	0.03					
30946	ENSG00000262712		29197.9	0.03					
30949	ENSG00000257660		29199.7	0.03					
31024	ENSG00000224996		29269.0	0.03					
31026	ENSG00000247735		29268.4	0.03					
31221	ENSG00000251026		29443.1	0.03					
31296	ENSG00000269293		29507.2	0.03					
31457	ENSG00000254543		29670.0	0.03					
29623	ENSG00000235488	JARD2-AS1	24738.6	0.02	antisense	6	15248048	15248865	JARD2 antisense RNA 1

2746	ENSG00000244879	GABPB1-AS1	26114.3	0.02	antisense	15	50647525	50659936	GABPB1 antisense RNA 1
2805	ENSG00000244884	PCDH9-AS2	27390.0	0.02	antisense	13	47398163	47398163	PCDH9 antisense RNA 2
28136	ENSG00000235558		26535.5	0.02	antisense	3	50378537	50383128	ZMYND10 antisense RNA 1
28206	ENSG00000229021	NBRF1P	2706.2	0.02	antisense	1	151987007	152015250	neuroblastoma breakpoint family, member 18, pseudogene
28405	ENSG00000250500	LNX1-AS1	26930.9	0.02	antisense	4	54262597	54415145	LNX1 antisense RNA 1
28614	ENSG00000251022	THAP9-AS1	27396.1	0.02	antisense	6	53874152	53925113	THAP9 antisense RNA 1
28786	ENSG00000247240	UBL1-AS1	27288.4	0.02	antisense	15	74733606	74773366	UBL1 antisense RNA 1 (head to head)
28807	ENSG00000237341	SYP-AS1	27296.6	0.02	antisense	4	49695245	49695913	SYP antisense RNA 1
28863	ENSG00000239881	ZHX4-AS1	27360.4	0.02	antisense	8	77456413	77456413	ZHX4 antisense RNA 1
28850	ENSG00000236756	DNAJC6-AS1	27404.6	0.02	antisense	10	75007118	75007118	DNAJC6 antisense RNA 1
28899	ENSG00000226988	ISPO-AS1	27408.6	0.02	antisense	7	16201113	16310228	ISPO antisense RNA 1
28922	ENSG00000237485	SGOL1-AS1	27507.3	0.02	antisense	3	20215736	20229719	prostate cancer antigen 5 (non-protein coding)
29422	ENSG00000226875		27849.9	0.02	antisense	13	11789159	11789825	APHS3?7 antisense RNA 2
29468	ENSG00000241158	RP11-142D2.5	27989.5	0.02	antisense	3	54684704	54673878	ASPM13 antisense RNA 1
29560	ENSG00000243526		27987.5	0.02	antisense	3	15638951	156392167	TPARP antisense RNA 1
29725	ENSG00000233961		28108.3	0.02	antisense	3	52562925	52572057	SPINA antisense RNA 1
30268	ENSG00000220759		28353.4	0.02	antisense	3	19223460	192239187	FGF12 antisense RNA 3
30587	ENSG00000270959	LPP-AS2	28681.8	0.02	antisense	3	18786894	187871845	LPP antisense RNA 2
30594	ENSG00000214248		28687.9	0.02	antisense	17	7963689	7964827	Uncharacterized protein
30810	ENSG00000239352	MIR195	28999.4	0.02	antisense	9	6919137	6922970	mm-497-155 cluster host gene (non-protein coding)
30821	ENSG00000237424	FOXO2-AS1	29099.9	0.02	antisense	1	47897805	47900313	FOXO2 antisense RNA 1 (head to head)
30967	ENSG00000228386	PARO3-AS1	29219.6	0.02	antisense	10	3514695	35105314	PARO3 antisense RNA 1
31187	ENSG00000213242	VIT-1AS	29578	0.02	antisense	11	32457064	32480315	VIT1 antisense RNA 1
31373	ENSG00000240541	TM4SF1-AS1	29593.3	0.02	antisense	3	14909565	149104370	TM4SF1 antisense RNA 1
31789	ENSG00000239552		29981.3	0.02	antisense	17	46834824	46837695	HOM5 cluster antisense RNA 2
31835	ENSG00000227923	JMJD1C-AS1	30030.1	0.02	antisense	10	65224989	65225265	JMJD1C antisense RNA 1
31909	ENSG00000231636	AGBL5-AS1	30100.9	0.02	antisense	2	27272551	27273132	AGBL5 antisense RNA 1
32188	ENSG00000240841	HKXC-AS5	30378.4	0.02	antisense	12	54329112	54333427	HKXC13 antisense RNA 1
32240	ENSG00000237420	MYLK-AS1	30440.9	0.02	antisense	10	11588100	11588100	cancer susceptibility 12 (non-protein coding)
32256	ENSG00000228523	MYLK-AS1	30440.9	0.02	antisense	3	12336389	12336315	MYLK antisense RNA 1
32368	ENSG00000229589	ACVR2B-AS1	30540	0.02	antisense	3	38482518	38486311	ACVR2B antisense RNA 1
32368	ENSG00000217554		30540	0.02	antisense	14	2333693	2333693	SRMT5 antisense RNA 1
7083	ENSG00000211685		30667.7	0.02	IG_C_gene	22	23244766	23265203	immunoglobulin lambda constant 7
13586	ENSG00000211924		15155.5	0.02	IG_D_gene	14	106370359	106370369	immunoglobulin heavy diversity 3-9
15123	ENSG00000219129		16833.0	0.02	IG_D_gene	18	106381430	106381439	immunoglobulin heavy diversity 8-19
15852	ENSG00000211931		16889.3	0.02	IG_D_gene	14	106382685	106382715	immunoglobulin heavy diversity 2-12
18128	ENSG00000211920		18589.9	0.02	IG_D_gene	14	106387000	106387020	immunoglobulin heavy diversity 6-13
187358	ENSG00000219128		19633.7	0.02	IG_D_gene	14	106381537	106381537	immunoglobulin heavy diversity 5-16
21723	ENSG00000211917		21375.8	0.02	IG_D_gene	14	106381452	106381528	immunoglobulin heavy diversity 3-16
21900	ENSG00000228525		21803.5	0.02	IG_D_gene	14	106347387	106347414	immunoglobulin heavy diversity 6-25
25588	ENSG00000211931		21833.0	0.02	IG_D_gene	11	106375480	106375480	immunoglobulin heavy diversity 6-8
27040	ENSG00000237191		25998.1	0.02	IG_D_gene	14	106375766	106375792	immunoglobulin heavy diversity 1-7
3492	ENSG00000232216		5498.7	0.02	IG_V_gene	14	106529188	106529224	immunoglobulin heavy variable 3-43
4743	ENSG00000214626		7293.0	0.02	IG_V_gene	2	60077690	60077611	immunoglobulin kappa variable 30-20
5616	ENSG00000211951		7549.3	0.02	IG_V_gene	2	106712560	106712516	immunoglobulin heavy variable 2-28
5727	ENSG00000211863		8484.3	0.02	IG_V_gene	22	23063108	23063300	immunoglobulin lambda variable 3-19
6155	ENSG00000211950		8913.7	0.02	IG_V_gene	14	106815722	106816263	immunoglobulin heavy variable 3-33
6805	ENSG00000243206		10341.3	0.02	IG_V_gene	14	89338971	89340342	immunoglobulin kappa variable 1-12
6810	ENSG00000211933		9459.9	0.02	IG_V_gene	14	106405611	106406100	immunoglobulin heavy variable 6-1
6865	ENSG00000211698		9459.9	0.02	IG_V_gene	14	106405611	106406100	immunoglobulin lambda variable 3-27
6876	ENSG00000211653		10354.3	0.02	IG_V_gene	22	22743827	22744827	immunoglobulin lambda variable 7-43
7841	ENSG00000211967		10554.3	0.02	IG_V_gene	14	107048672	107049341	immunoglobulin heavy variable 4-63
7880	ENSG00000211639		11037.3	0.02	IG_V_gene	22	22510792	22511074	immunoglobulin lambda variable 3-40
8114	ENSG00000211956		12471.9	0.02	IG_V_gene	14	106731444	106731444	immunoglobulin heavy variable 1-24
15315	ENSG00000242766		16483.5	0.02	IG_V_gene	2	90121337	90121337	immunoglobulin kappa variable 10-17
18137	ENSG00000232029		19371.2	0.02	IG_V_pseudogene	10	107122108	107122548	immunoglobulin kappa variable 3-45 (pseudogene)
18454	ENSG00000225378		19417.0	0.02	IG	14	89410259	89410259	immunoglobulin variable 122 (pseudogene)
22344	ENSG00000242429	LINC01133	21829.4	0.02	lincRNA	1	15991008	15994851	long intergenic non-protein coding RNA 1133
24315	ENSG00000246430	LINC00988	23407.9	0.02	lincRNA	8	57408805	57427382	long intergenic non-protein coding RNA 968
24406	ENSG00000202510	PTXSC3	24027.1	0.02	lincRNA	4	3696144	3696144	poikilopy thyroid carcinoma susceptibility 3 (non-protein coding)
24522	ENSG00000233884	TTY15	23275.1	0.02	lincRNA	Y	1474285	14804182	testis-specific transcript, Y-linked 15 (non-protein coding)
25745	ENSG00000235887	LINC00993	24395.5	0.02	lincRNA	10	37598113	37639599	long intergenic non-protein coding RNA 993
29230	ENSG00000240471	CASC11	24922.3	0.02	lincRNA	2	19296484	19296484	long intergenic non-protein coding RNA 1002
29274	ENSG00000218510	LINC00339	25020.2	0.02	lincRNA	1	22351681	22357116	long intergenic non-protein coding RNA 339
27227	ENSG00000228789	HCC52	25985	0.02	lincRNA	6	31021227	31021687	HLA complex group 22
27317	ENSG00000239815	EDN8B-AS1	26022.6	0.02	antisense	7	78426197	78426197	EDN8B antisense RNA 1
27356	ENSG00000256193	LINC00507	25963.6	0.02	lincRNA	12	12839917	128430697	long intergenic non-protein coding RNA 507
27624	ENSG00000208704	TBC1D3P1-DHX40P1	26175.1	0.02	lincRNA	17	5803724	58066413	TBC1D3P1-DHX40P1 readthrough transcribed pseudogene
27963	ENSG00000239817	LINC01159	26175.1	0.02	lincRNA	14	1921111	1921111	long intergenic non-protein coding RNA 1159
28064	ENSG00000233117	LINC00702	26002.8	0.02	lincRNA	10	4243353	4286104	long intergenic non-protein coding RNA 702
28378	ENSG00000232870	RP11-651M15.1	26356.3	0.02	lincRNA	13	111748185	111755444	long intergenic non-protein coding RNA 368
28445	ENSG00000231123		27102.0	0.02	lincRNA	11	1012018	1012018	long intergenic non-protein coding RNA 1007
28749	ENSG00000231528	FAM225A	27223.4	0.02	lincRNA	9	11597535	115982208	family with sequence similarity 22, member A (non-protein coding)
28134	ENSG00000249899	MIR143HG	27869.8	0.02	antisense	5	14878652	148808241	MIR143 host gene (non-protein coding)
28280	ENSG00000237688	CASC11	27820.1	0.02	antisense	12	8900218	8900218	cancer susceptibility transcript 11 (non-protein coding)
28439	ENSG00000229320		27893.4	0.02	lincRNA	13	112780409	112781196	long intergenic non-protein coding RNA 404
28950	ENSG00000231889		28245.5	0.02	lincRNA	2	18857548	18891524	long intergenic non-protein coding RNA 1090
29017	ENSG00000251448	RNF139-AS1	28340.1	0.02	antisense	6	1254102	1254102	RNF139 antisense RNA 1 (head to head)
30099	ENSG00000228128	LINC00568	28463.3	0.02	lincRNA	1	15048623	15049050	long intergenic non-protein coding RNA 568
30293	ENSG00000226873	LINC01108	28638.2	0.02	lincRNA	6	14283058	14283376	long intergenic non-protein coding RNA 1108
30570	ENSG00000255570		28812.4	0.02	antisense	2	28812443	28812443	long intergenic non-protein coding RNA 533
31078	ENSG00000218925	LINC00910	29311.5	0.02	lincRNA	17	41447213	41446567	long intergenic non-protein coding RNA 910
31364	ENSG000002529129	LINC00848	29368.7	0.02	lincRNA	14	48234157	48242095	long intergenic non-protein coding RNA 648
32341	ENSG00000226489		30515	0.02	antisense	20	57362187	57362176	microRNA 296
32687	ENSG00000235687	KASAL2-AS1	31700.1	0.02	antisense	30	178920443	178921119	RASAL2 antisense RNA 1
7984	ENSG00000286019	MIR3930	10538	0.02	antisense	7	98479273	98479352	microRNA 3930
13081	ENSG00000264516	MIR4785	14775.9	0.02	antisense	20	38638926	38638986	microRNA 4785
18104	ENSG00000264542	MIR3682	18200.9	0.02	antisense	6	54076268	54076268	microRNA 3682
21102	ENSG00000265429	MIR4782	20988.7	0.02	antisense	2	114478867	114478845	microRNA 4782
21277	ENSG00000268652	MIR4651	21487	0.02	antisense	10	10602890	10602817	microRNA 4651
21684	ENSG0000027894	MIR598	21848.2	0.02	antisense	5	10054884	10054898	microRNA 598
21874	ENSG00000221430	MIR1294	22560.8	0.02	antisense	5	15372866	15372867	microRNA 1294
25721	ENSG00000207993	MIR131	24576.2	0.02	antisense	14	101921088	101921110	microRNA 131
26134	ENSG00000209029	MIR130A	24612.1	0.02	antisense	14	9746971	9746979	microRNA 130a
26559	ENSG00000237948	MIR328	27028.5	0.02	antisense	18	67238224		

14293	ENSG00000236552	RPL13AP5	15670.3	0.02	processed_pseudogene	10	98510045	98510075	ribosomal protein L13a pseudogene 5
14378	ENSG00000231533		15670.3	0.02	processed_pseudogene	12	10201304	10201304	head shock 100Da protein 1 pseudogene 4
14578	ENSG00000214485		15914.8	0.02	processed_pseudogene	5	14947390	14947419	ribosomal protein L7 pseudogene 1
15284	ENSG00000233328		16465.4	0.02	processed_pseudogene	1	17163957	17164079	profilin 1 pseudogene 1
15411	ENSG00000236262		16554.4	0.02	processed_pseudogene	1	160201793	160207496	SUMO1 pseudogene 3
15489	ENSG00000232354		16558.5	0.02	processed_pseudogene	13	2552157.5	25521583	ribosomal protein L34 pseudogene 27
15597	ENSG00000232573		16701.8	0.02	processed_pseudogene	14	99439216	99439338	ribosomal protein L3 pseudogene 4
16034	ENSG00000213236		17000.2	0.02	processed_pseudogene	2	127315012	127315739	lysine 3-monooxygenase/tyrosine 5-monooxygenase activation protein, zeta pseudogene 2
17158	ENSG00000186021		17895.8	0.02	processed_pseudogene	10	59972302	59972797	tumor protein, transcriptionally controlled 1 pseudogene 10
18081	ENSG00000249548		18558.6	0.02	processed_pseudogene	20	4910377	4910385	ribosomal protein S43 pseudogene 2
20388	ENSG00000239320		18992.0	0.02	processed_pseudogene	16	71834779	71834873	hepatocyte cytochrome P450 pseudogene 3
20137	ENSG00000270714		20128.5	0.02	processed_pseudogene	17	62743382	62743610	mitochondrial inner membrane organizing system 1 pseudogene 2
23281	ENSG00000214203		22262.6	0.02	processed_pseudogene	12	100402830	100403016	ribosomal protein S43 pseudogene 1
23888	ENSG00000234473		23347.2	0.02	processed_pseudogene	1	192062979	192063007	zinc finger protein 124 pseudogene 2
24073	ENSG00000243504		23351.1	0.02	processed_pseudogene	8	98877282	98877713	ribosomal protein S23 pseudogene 1
24075	ENSG00000213906		23362.7	0.02	processed_pseudogene	10	89510342	89510383	aldo-keto reductase family 1, member B10 pseudogene 1
24086	ENSG00000232789		23270.4	0.02	processed_pseudogene	11	12023529	12023638	suppression of tumorigenesis 13 (colon carcinoma (Hsp70) interacting protein) pseudogene 5
24228	ENSG00000243609		23347.2	0.02	processed_pseudogene	16	48811435	48812280	ribosomal protein S2 pseudogene 44
24462	ENSG00000237951		23366.6	0.02	processed_pseudogene	2	26344925	26345423	peptidylarginine isomerase (cyclophilin)-like 1 pseudogene 1
24720	ENSG00000232933		23158.9	0.02	processed_pseudogene	15	25224215	25224211	argininosuccinate synthetase 1 pseudogene 1
24850	ENSG00000242484		23871.0	0.02	processed_pseudogene	1	227821785	227822047	basic transcription factor 3 pseudogene 8
24921	ENSG00000233998		23935.5	0.02	processed_pseudogene	9	140535438	140535999	SET1 pseudogene 5
25138	ENSG00000236988		24500.6	0.02	processed_pseudogene	20	12300700	12301003	proliferation-associated 254 pseudogene 2
25173	ENSG00000241641		24152.5	0.02	processed_pseudogene	16	12175094	12175759	ribosomal protein S23 pseudogene 6
25175	ENSG00000213122		24135.9	0.02	processed_pseudogene	6	133318980	133319791	ribosomal protein L23a pseudogene 46
25485	ENSG00000232441		26192.0	0.02	processed_pseudogene	1	186716615	186717897	ribosomal protein L4 pseudogene 2
26611	ENSG00000225638		24489.8	0.02	processed_pseudogene	9	35843207	35843831	phosphoglycerate mutase 1 pseudogene 2
26625	ENSG00000242466		24500.7	0.02	processed_pseudogene	1	22832698	22833374	family with sequence similarity 56, member A pseudogene 2
26626	ENSG00000231031		24580.7	0.02	processed_pseudogene	16	7883870	7883916	ribosomal protein S3a pseudogene 30
26653	ENSG00000228744		24548.4	0.02	processed_pseudogene	8	6983793	6981226	ribosomal protein S3a pseudogene 30
26919	ENSG00000231821		24971.2	0.02	processed_pseudogene	2	4561794	4562046	nucleophosmin 1 (nucleolar phosphoglycoprotein B23, numatrin) pseudogene 48
26920	ENSG00000214529		24982.0	0.02	processed_pseudogene	13	2342303	2342300	Rosetta (E)-3 domain containing pseudogene 1
26930	ENSG00000244073		25135.1	0.02	processed_pseudogene	5	37085158	37085654	ribosomal protein S4X pseudogene 6
26942	ENSG00000231203		25140.8	0.02	processed_pseudogene	2	183925768	183927174	keratin 8 pseudogene 10
26943	ENSG00000236988		25140.8	0.02	processed_pseudogene	20	12300700	12301003	ASIP-ribosylation factor 1 (ribosomal protein 1) pseudogene 1
26957	ENSG00000229168		25259.8	0.02	processed_pseudogene	X	44508375	44509865	ribosomal protein L19 pseudogene 20
26958	ENSG00000244112		25282.1	0.02	processed_pseudogene	5	58118330	58119541	ribosomal protein L5 pseudogene 15
26961	ENSG00000232484		25282.1	0.02	processed_pseudogene	10	59735368	59735368	SET1 pseudogene 41
26963	ENSG00000181741		25347.1	0.02	processed_pseudogene	20	33061279	33061279	ferredoxin 1 pseudogene 1
26968	ENSG00000236992		25357.7	0.02	processed_pseudogene	X	99410883	99411771	ribosomal protein S4 pseudogene 8
26983	ENSG00000234073		25362.3	0.02	processed_pseudogene	14	1843823	1843823	ribosomal protein L21 pseudogene 17
27005	ENSG00000213977		25399.0	0.02	processed_pseudogene	3	25366565	25366150	cofilin 1 (non-muscle) pseudogene 7
27006	ENSG00000242209		25401.3	0.02	processed_pseudogene	11	58124804	58125697	ribosomal protein L5 pseudogene 29
26948	ENSG00000260318		25522.2	0.02	processed_pseudogene	16	11997780	11997880	cytochrome c oxidase subunit VIc pseudogene 1
27065	ENSG00000214898		25172.8	0.02	processed_pseudogene	16	53117752	53117887	ribosomal protein S4 pseudogene 58
27067	ENSG00000224820		25722.8	0.02	processed_pseudogene	7	74722734	74723228	basic transcription factor 3 pseudogene 4
27070	ENSG00000215347		25726.3	0.02	processed_pseudogene	22	42397073	42397970	solute carrier family 25 (mitochondrial carrier, adenosine nucleotide translocator), member 5 pseudogene 1
27128	ENSG00000243974		25774.4	0.02	processed_pseudogene	3	999441178	999441178	vesicle transport through interaction with 1-SNARE 1B pseudogene 1
27191	ENSG00000219100		25836.0	0.02	processed_pseudogene	6	106697718	106697718	patheon domain containing 3 pseudogene 3
27260	ENSG00000216120		25912.6	0.02	processed_pseudogene	16	35617240	35617240	high mobility group nucleosome binding domain 2 pseudogene 41
27300	ENSG00000226845		25918.9	0.02	processed_pseudogene	3	40637698	40638985	eukaryotic translation elongation factor 1 gamma pseudogene 3
27368	ENSG00000217385		25971.1	0.02	processed_pseudogene	6	4702997	4704013	proteasome (prosome, macropain) 26S subunit, A1Pase, 1 pseudogene 11
27388	ENSG00000213889		25987.2	0.02	processed_pseudogene	10	2971097.2	2971097.2	ribosomal protein L24 pseudogene 1
27417	ENSG00000237970		26059.4	0.02	processed_pseudogene	10	37628343	37627799	transmembrane protein 161B pseudogene 1
27494	ENSG00000233984		26175.1	0.02	processed_pseudogene	X	73251297	73251650	ribosomal protein S4 pseudogene 14
27524	ENSG00000254989		26135.5	0.02	processed_pseudogene	14	51763852	51763852	charged multivesicular body protein 4B pseudogene 1
27604	ENSG00000250346		26162.0	0.02	processed_pseudogene	5	147301742	147302884	eukaryotic translation elongation factor 1 gamma pseudogene 2
27637	ENSG00000287752		26196.0	0.02	processed_pseudogene	18	21252217	21252512	ribosomal protein S10 pseudogene 27
27664	ENSG00000232341		26211.7	0.02	processed_pseudogene	11	210438811	210438811	suppression of tumorigenesis 13 (colon carcinoma) interacting protein pseudogene 19
27742	ENSG00000227776		26283.2	0.02	processed_pseudogene	2	38458710	38459489	ribosomal protein L7 pseudogene 12
27785	ENSG00000218359		26387.0	0.02	processed_pseudogene	6	17582265	17582326	SUMO3 pseudogene 13
27794	ENSG00000232521		26321.1	0.02	processed_pseudogene	15	25129317	25129317	cystine-rich protein 1 (essential) pseudogene 2
27811	ENSG00000258524		26341.0	0.02	processed_pseudogene	14	74037863	74038371	5'-3' nucleotidase, cytosolic pseudogene 1
27848	ENSG00000232950		26387.0	0.02	processed_pseudogene	20	20233947	20234492	ribosomal protein L17 pseudogene 1
27860	ENSG00000248409		26401.9	0.02	processed_pseudogene	15	41242044	41242047	iron-sulfur cluster domain 1 pseudogene 4
27901	ENSG00000242206		26424.6	0.02	processed_pseudogene	8	119774095	119774405	ribosomal protein S26 pseudogene 35
27937	ENSG00000232613		26454.1	0.02	processed_pseudogene	1	78312795	78314447	nuclear speckle splicing regulatory protein 1 pseudogene 1
27978	ENSG00000211738		26490.2	0.02	processed_pseudogene	2	18842923	18842923	glyceraldehyde 3-phosphate dehydrogenase pseudogene 59
28002	ENSG00000214268		26510.1	0.02	processed_pseudogene	8	7048423	7049085	ribosomal protein S3a pseudogene 33
28008	ENSG00000214578		26513.6	0.02	processed_pseudogene	17	40964898	40965417	high mobility group nucleosome binding domain 2 pseudogene 15
28068	ENSG00000236453		26579.4	0.02	processed_pseudogene	19	63328349	63328349	solute carrier family 25 (mitochondrial carrier, urate transporter), member 1 pseudogene 3
28164	ENSG00000233518		26587.5	0.02	processed_pseudogene	10	11230973	11231012	ribosomal protein L7 pseudogene 35
28240	ENSG00000213893	SEC14L1P1	26740.2	0.02	processed_pseudogene	11	43919006	43921186	SEC14-like 1 pseudogene 1
28260	ENSG00000236988		26680.0	0.02	processed_pseudogene	20	12300700	12301003	high mobility group nucleosome binding domain 2 pseudogene 1
28332	ENSG00000227054		26820.9	0.02	processed_pseudogene	2	27064452	27064452	ferredoxin 1 pseudogene 2
28449	ENSG00000234724		26825.0	0.02	processed_pseudogene	10	98987505	98988295	histone deacetylase 1 pseudogene 1
28453	ENSG00000254781		26837.3	0.02	processed_pseudogene	17	16843675	16843675	ribosomal protein L5a pseudogene 1
28451	ENSG00000231095		26828.6	0.02	processed_pseudogene	1	55689052	55689045	ghrelinin 1 pseudogene 3
28543	ENSG00000232346		27107.0	0.02	processed_pseudogene	20	32710276	32711198	ribosomal protein L2 pseudogene 1
28628	ENSG00000232137		27109.1	0.02	processed_pseudogene	13	9762399	9762399	head shock protein 100Da (cytosolic), class B member 6, pseudogene 1
28745	ENSG00000219930		27220.5	0.02	processed_pseudogene	X	135160003	135160790	glyceraldehyde 3-phosphate dehydrogenase pseudogene 67
28811	ENSG00000216299	DNAJ1AP5	27286.6	0.02	processed_pseudogene	1	102358661	102359003	DnaJ (Hsp40) homolog, subfamily A, member 1 pseudogene 5
28834	ENSG00000215842		27308.4	0.02	processed_pseudogene	3	3071392	3071393	SOX11 pseudogene 2
28945	ENSG00000235771		27401.8	0.02	processed_pseudogene	22	41583713	41583713	leucine rich repeat containing 3, member A1A, pseudogene 1
28961	ENSG00000270284		27411.1	0.02	processed_pseudogene	17	57962378	57962313	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, pseudogene 2
28973	ENSG00000218459		27420.9	0.02	processed_pseudogene	6	7425809	7425820	ribosomal protein S27 pseudogene 15
28983	ENSG00000231128		27420.9	0.02	processed_pseudogene	19	78516003	78516405	ribosomal protein S31 pseudogene 11
29052	ENSG00000236888		27499.5	0.02	processed_pseudogene	1	58071519	58071878	ribosomal protein S20 pseudogene 5
29090	ENSG00000260579		27458.1	0.02	processed_pseudogene	14	81712836	81712907	dyx1c1, light chain, LCA-vipe 1 pseudogene 1
29186	ENSG00000233446		27932.5	0.02	processed_pseudogene	13	23788313	23788313	high mobility group A1 hook 1 pseudogene 6
29218	ENSG00000226709		27983.9	0.02	processed_pseudogene	18	28270530	28271341	nucleophosmin 1 (nucleolar phosphoglycoprotein B23, numatrin) pseudogene 4
29313	ENSG00000214318		27748.1	0.02	processed_pseudogene	18	61164222	61164333	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) pseudogene 6
29344	ENSG00000232494		27775.0	0.02	processed_pseudogene	8	48297150	48297609	ribosomal protein L29 pseudogene 19
29346	ENSG000002327018		27827.7	0.02	processed_pseudogene				

6196	ENSG00000229859	PSA3	8973	0.02	protein_coding	11	60970779	60980570	pepsinogen 3, group I (pepsinogen A)
6426	ENSG00000105019	AT7B8	92119	0.02	protein_coding	13	11431219	11431219	AT7B8, H4K+ containing, beta polypeptide
6860	ENSG00000118520	ARG1	9657	0.02	protein_coding	6	13189424	13190542	arginase 1
7827	ENSG00000130036	CEACAM7	10294	0.02	protein_coding	19	4217235	4221095	carcinoembryonic antigen-related cell adhesion molecule 7
7747	ENSG00000196620	UGT2B15	10454	0.02	protein_coding	4	68512349	68513448	UDP-glucuronyltransferase 2 family, polypeptide B15
7669	ENSG00000130441	CNR3	10545	0.02	protein_coding	1	23115567	23115567	chitinase 3-like 1 (case glycoprotein-39)
8143	ENSG00000185303	SFTPA2	10639	0.02	protein_coding	10	81315608	81320153	surfactant protein A2
8177	ENSG00000191653	PSCA	10664	0.02	protein_coding	8	14376126	14376142	prostate stem cell antigen
8274	ENSG00000192026	HRS1A3	10924	0.02	protein_coding	4	8824984	8824988	hydroxysteroid 17-oxo lyase/dehydrogenase 13
8429	ENSG00000162837	OKM1	11116	0.02	protein_coding	13	5362984	5362984	oligosaccharin 4
8574	ENSG00000062262	DGAT2	11234	0.02	protein_coding	11	7547057	7547058	diacylglycerol O-acyltransferase 2
8728	ENSG00000184288	PDE8B	11329	0.02	protein_coding	4	86840259	86840259	phosphodiesterase 4B, cAMP-specific
9072	ENSG00000186245	CXCL10	11668	0.02	protein_coding	4	7894273	7894460	chemokine (C-X-C motif) ligand 10
9178	ENSG00000182896	PIGR	11689	0.02	protein_coding	1	20710183	20711981	polymeric immunoglobulin receptor
9314	ENSG00000159481	CNK1B	11922	0.02	protein_coding	2	220036919	220036928	cyclin F-box PHOX2B domain containing 1
9728	ENSG00000147771	AADAC	12135	0.02	protein_coding	3	151531625	151542676	arylacetamide deacetylase
9742	ENSG00000114209	PDCD10	12147	0.02	protein_coding	3	16740186	16740127	programmed cell death 10
9894	ENSG00000106186	TFF1	12256	0.02	protein_coding	21	4376291	4376703	trefoil factor 1
10129	ENSG00000181113	MMP8	12447	0.02	protein_coding	11	102582528	10259781	matrix metalloproteinase 8 (neutrophil collagenase)
10162	ENSG00000124253	PCK1	12475	0.02	protein_coding	20	56136136	56141113	phosphoenolpyruvate carboxylase 1 (soluble)
10400	ENSG00000124933	SCCR102	12548	0.02	protein_coding	11	5020952	50212392	scrotonin, family 10 member 2
10680	ENSG00000166718	ZNF592	12878	0.02	protein_coding	15	85291866	85349689	zinc finger protein 592
10779	ENSG00000143162	CHEK1	12970	0.02	protein_coding	1	16748914	16752304	cellular repressor of E1A-viral-induced genes 1
11068	ENSG00000101553	GPR2	13218	0.02	protein_coding	14	65405870	65405870	glutathione peroxidase 2 (peptidoxin)
11129	ENSG00000102145	GATA1	13243	0.02	protein_coding	X	4884482	4885276	GATA binding protein 1 (globin transcription factor 1)
11131	ENSG00000099013	BLVRB	13247	0.02	protein_coding	19	49953696	49971747	biliverdin reductase B (flavin reductase (NADPH))
11170	ENSG00000007228	ADC11	13278	0.02	protein_coding	7	59257115	59259592	amine oxidase, copper containing 1
11546	ENSG00000102962	CCL22	13615	0.02	protein_coding	16	6735884	6736012	chemokine (C-C motif) ligand 22
11551	ENSG00000106292	HMOX1	13617	0.02	protein_coding	22	5871834	5873607	heme oxygenase (decycling) 1
11615	ENSG00000109593	CHST3	13621	0.02	protein_coding	11	614116	614116	chitin (4-acetyl)-N-acetyl chitinase enzyme
11629	ENSG00000149516	MS4A3	13679	0.02	protein_coding	11	5882400	5883801	membrane-spanning 4-domains, subfamily A, member 3 (hematopoietic cell-specific)
11846	ENSG00000181029	TRAPPC5	13693	0.02	protein_coding	19	7745729	7747444	trafficking protein particle complex 5
11723	ENSG00000130751	CCND3	13701	0.02	protein_coding	14	148514983	148514983	cyclin dependent kinase 3 (cyclin E)
11727	ENSG00000155000	UBAP1	13711	0.02	protein_coding	9	34179003	3425251	ubiquitin associated protein 1
11761	ENSG00000114113	RBP2	13800	0.02	protein_coding	3	13917176	13919989	retinol binding protein 2, cellular
11874	ENSG00000130841	CCND1	13813	0.02	protein_coding	14	148514983	148514983	regulator of cyclin dependent kinase 2, 24kDa
11925	ENSG00000169397	RNA5E3	13926	0.02	protein_coding	14	2139555	2139557	ribonuclease, RNase A family, 3
12151	ENSG00000188257	PLGA2A	14091	0.02	protein_coding	1	20391925	20393952	phospholipase A2, group IA (platelet, synovial fluid)
12254	ENSG00000101387	HSD17B4	14102	0.02	protein_coding	10	6744185	6744185	hydroxysteroid 17-beta lyase
12495	ENSG00000184120	HPGD	14352	0.02	protein_coding	4	17541128	17544405	hydroxyprostaglandin dehydrogenase 15 (NAD)
12517	ENSG00000289875	NRXN2	14373	0.02	protein_coding	19	14277553	14292590	NIA-RAB4B neurotransmitter (NMD candidate)
12833	ENSG00000101903	BST3	14455	0.02	protein_coding	19	1751149	1751149	bone matrix sialin
12931	ENSG00000130592	GRN	14459	0.02	protein_coding	17	4242914	4243070	granulin
12991	ENSG00000247596	THW2	14492	0.02	protein_coding	3	52272826	52273278	thymosin alpha-binding protein 2
12914	ENSG00000049686	CHME2	14493	0.02	protein_coding	7	111745269	111749260	chitinase 5-like 2
12994	ENSG00000151446	NR5A1	14670	0.02	protein_coding	8	12466182	12466182	neurogenin, nuclear kinase C substrate, RC3
13066	ENSG0000088832	FKBP1A	14780	0.02	protein_coding	20	1348622	1373806	FK506 binding protein 1A, 12kDa
13333	ENSG00000194267	C12orf2	14872	0.02	protein_coding	8	683176081	6832322	carbonic anhydrase 8
13443	ENSG00000147394	ZNF185	15000	0.02	protein_coding	8	153002866	153025024	zinc finger protein 185 (LM domain)
13528	ENSG00000163815	CLEC3B	15119	0.02	protein_coding	3	45043040	45077563	C-type lectin domain family 3, member B
14025	ENSG00000193596	TMD2A	15491	0.02	protein_coding	X	78015891	78023104	integral membrane protein 2A
14034	ENSG00000144461	ZC3H7C	15596	0.02	protein_coding	4	117917753	117920931	zinc finger 1C, C2H2 domain containing 12
14167	ENSG00000197930	ERD1L	15595	0.02	protein_coding	14	53196634	53196218	ERD1-like (C. cerevisiae)
14177	ENSG00000118655	NP2C	15599	0.02	protein_coding	14	74942995	74942808	Niemann-Pick disease, type C2
14254	ENSG00000101450	ITIH3	15603	0.02	protein_coding	12	144961248	144963018	interleukin 11-like hydrolyase
14265	ENSG00000132514	CLEC10A	15653	0.02	protein_coding	17	6977856	6983308	C-type lectin domain family 10, member A
14702	ENSG00000183886	UPP1	16013	0.02	protein_coding	7	48129225	48148330	uridine phosphorylase 1
14820	ENSG00000130892	MLP1P	16019	0.02	protein_coding	4	1030434918	103043126	microsomal triglyceride transfer protein
14869	ENSG00000078081	LAMP3	16139	0.02	protein_coding	3	18284001	18288127	lysosomal-associated membrane protein 3
14887	ENSG00000193944	MYL9	16158	0.02	protein_coding	6	18129356	18148479	myosin regulatory light chain interacting protein
14900	ENSG00000101911	OTX1	16161	0.02	protein_coding	23	12494038	12494038	OTU domain containing 1
15006	ENSG00000138495	COTX1	16249	0.02	protein_coding	3	11937380	11939301	COX17 cytochrome c oxidase copper chaperone
15062	ENSG00000186349	RAG1	16296	0.02	protein_coding	11	38532259	38547038	recombination activating gene 1
15198	ENSG00000186960	NRXN3	16316	0.02	protein_coding	18	5261186	5261186	neurogranin, protein kinase C substrate, regulator
15429	ENSG00000101084	GCLC	16569	0.02	protein_coding	6	533612139	53481768	glutamate-cysteine ligase, catalytic subunit
15437	ENSG00000182369	CMK1C	16577	0.02	protein_coding	1	47194669	47444511	cytidine monophosphate (UMP-CMP) kinase 1, cytosolic
15533	ENSG00000186963	CANX	16593	0.02	protein_coding	1	7637643	7637643	calcium/calmodulin-dependent protein kinase II gamma
15554	ENSG00000102908	NFAT5	16673	0.02	protein_coding	16	69598997	6973869	nuclear factor of activated T-cells 5, tonically-responsive
15631	ENSG00000122644	ARL4A	16733	0.02	protein_coding	7	12724881	12724881	ADP-ribosylation factor-like 4A
15670	ENSG00000181722	TGFB1	16811	0.02	protein_coding	12	5483183	5483183	transforming growth factor-beta 1
15693	ENSG00000158508	EEF1A1	16780	0.02	protein_coding	6	7423520	7423520	eukaryotic translation elongation factor 1 alpha 1
15708	ENSG00000123349	PFN2S	16787	0.02	protein_coding	12	53689075	53698234	profilin subunit 5
15748	ENSG00000171738	TGFB2	16811	0.02	protein_coding	12	5483183	5483183	transformation growth factor-beta 2 (TGF-beta 2)
15755	ENSG00000101845	CASC3	16821	0.02	protein_coding	8	3825657	3825657	cancer susceptibility candidate 3
15803	ENSG00000186962	SECT1C	16883	0.02	protein_coding	18	58869709	58882608	SEC11 homolog C (S. cerevisiae)
15808	ENSG00000144318	RAB3A	16887	0.02	protein_coding	17	1838371	1838371	ribosomal protein S15c
16092	ENSG00000133318	RNF3	17103	0.02	protein_coding	11	6344918	6352783	retinonin 3
16187	ENSG00000131482	GPCP	17165	0.02	protein_coding	17	41052810	41055398	glucose-6-phosphatase, catalytic subunit
16200	ENSG00000101538	ITIH2	17167	0.02	protein_coding	8	10568106	10568106	interleukin 11-like hydrolyase (I11H2)
16205	ENSG00000172057	ORMDL3	17179	0.02	protein_coding	17	38077294	38083854	ORM-like 3 (C. cerevisiae)
16227	ENSG00000196483	SFRP4	17202	0.02	protein_coding	7	37945543	38065297	secreted frizzled-related protein 4
16247	ENSG00000101938	NRXN1	17202	0.02	protein_coding	1	1099138	1099138	neurogranin
16310	ENSG00000143278	F13B	17250	0.02	protein_coding	1	19703391	19703397	coagulation factor XIII B polypeptide
16338	ENSG00000100197	CYP2D6	17278	0.02	protein_coding	22	42522501	42529008	cytochrome P450, family 2, subfamily D, polypeptide 6
16468	ENSG00000186610	ANKRD4	17367	0.02	protein_coding	10	5231423	5260917	ankyrin repeat domain protein 4, member C4
16494	ENSG00000101672	L18	17370	0.02	protein_coding	1	112013914	112043440	interleukin 15, intracellular gamma-inducible factor 1
16554	ENSG00000101439	GST3	17435	0.02	protein_coding	20	23608534	23619110	cysteinyl G
16584	ENSG00000185984	ZNF108	17442	0.02	protein_coding	15	40745621	4278321	zinc finger protein 108
16661	ENSG00000191731	CNR10B	17446	0.02	protein_coding	8	86189311	86182950	chromatin remodelling factor 59
16681	ENSG00000145365	TIFA	17518	0.02	protein_coding	4	113155589	113207599	TRAF-interacting protein with forkhead-associated domain
16861	ENSG00000186144	ANP1	17652	0.02	protein_coding	4	15310189	15369156	ADP-ribosylation factor interacting protein 1
16874	ENSG00000186206	NSD1	17687	0.02	protein_coding	15	8411132	8411132	nucleolar protein, ribonuclein 3 regulated
16910	ENSG00000181944	ASGR2	17704	0.02	protein_coding	17	7004841	7019109	asialoglycoprotein receptor 2
16941	ENSG00000190768	EP2	17753	0.02	protein_coding	1	2382522	23857172	EP2, transmembrane receptor 2
16942	ENSG00000101142	GR1	17744	0.02	protein_coding	1	87634453	87634453	corin
17057	ENSG00000134594	RAB33A	17830	0.02	protein_coding	X			

20289	ENSG00000153147	SMARCA5	20262	1	0.02	protein_coding	4	144434616	144478939	SWIN5N related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 5
20396	ENSG00000155287	SLC25A28	20342	8	0.02	protein_coding	10	101370282	101380366	solute carrier family 25 (mitochondrial iron transporter), member 28
20438	ENSG00000106823	ECM2	20375	3	0.02	protein_coding	9	95246365	95298937	extracellular matrix protein 2, female organ and adipocyte specific
20570	ENSG00000185000	DUC1	20480	1	0.02	protein_coding	8	145535954	144550573	diallylglycerol O-acetyltransferase 1
20688	ENSG00000204943	ZNF512	20392	2	0.02	protein_coding	2	27856241	27856241	zinc finger protein 512
20625	ENSG00000204711	CAPN14	20517	2	0.02	protein_coding	2	31395244	31466724	catpain 14
20652	ENSG00000187604	NFIBID	20535	0.02	0.02	protein_coding	19	90378555	90382265	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta
20652	ENSG00000187604	NFIBID	20535	0.02	0.02	protein_coding	19	90378555	90382265	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta
20671	ENSG00000198466	GYPE	20548	3	0.02	protein_coding	3	144828916	144828916	suppressor of cytokine signaling 1
20671	ENSG00000198466	GYPE	20548	3	0.02	protein_coding	3	144828916	144828916	suppressor of cytokine signaling 1
20721	ENSG00000125703	AT5G4	20657	0.02	0.02	protein_coding	1	63248904	63311504	serpin peptidase inhibitor, clade B (bovbumin), member 4
20721	ENSG00000125703	AT5G4	20657	0.02	0.02	protein_coding	1	63248904	63311504	serpin peptidase inhibitor, clade B (bovbumin), member 4
20755	ENSG00000156256	USP18	20618	9	0.02	protein_coding	21	30396560	30428609	ubiquitin specific peptidase 18
20789	ENSG00000170786	SORL1C5	20639	0.02	0.02	protein_coding	8	57212569	57233335	short chain dehydrogenase/reductase family 16C, member 5
20838	ENSG00000132956	ZNF183	20574	6	0.02	protein_coding	6	119384607	119392523	zinc finger and BTB domain containing 3
20942	ENSG00000175938	ORAI3	20754	2	0.02	protein_coding	16	30960387	30987782	ORAI calcium release-activated calcium modulator 3
20988	ENSG00000208795	SMI22	20785	6	0.02	protein_coding	16	4835398	4844482	small integral membrane protein 22
21043	ENSG00000132956	USP18	20517	2	0.02	protein_coding	13	31191836	31233696	ubiquitin specific peptidase like 1
21083	ENSG00000115425	PCICR	20855	2	0.02	protein_coding	2	216881052	216884782	peroxisomal trans-2-nonyl-CoA reductase
21085	ENSG00000202673	SEIPINB4	20856	4	0.02	protein_coding	18	61334483	613111532	serpin peptidase inhibitor, clade B (bovbumin), member 4
21124	ENSG00000158488	CD1E	20886	6	0.02	protein_coding	1	158323254	158323254	Rae guanine nucleotide exchange factor (GEF) 7
21144	ENSG00000178918	NRP1	20904	7	0.02	protein_coding	1	5224863	52344477	neuropilin-1 (N-glycanase fibronectin convertase)
21210	ENSG00000146469	VUP	20958	5	0.02	protein_coding	6	153071833	153000000	vasopressin-related peptide
21296	ENSG00000137960	GIPC2	21051	4	0.02	protein_coding	1	7844528	7860413	GIPC PDZ domain containing family, member 2
21362	ENSG00000143390	RFX5	21080	4	0.02	protein_coding	1	151311318	151319833	regulatory factor X, 5 (influences HLA class II expression)
21369	ENSG00000132961	SRFBP1	21085	5	0.02	protein_coding	17	26852024	26889207	seronin cell-endothelin factor 2
21445	ENSG00000162344	FGF19	21153	6	0.02	protein_coding	11	8951900	89519410	fibroblast growth factor 19
21486	ENSG00000118514	ALDH8A1	21184	1	0.02	protein_coding	6	135238528	135271280	aldehyde dehydrogenase 8 family, member 1
21514	ENSG00000145504	PCP2	21205	1	0.02	protein_coding	1	18623496	18623496	proboscidea
21567	ENSG00000197210	GCNT1	21245	5	0.02	protein_coding	9	78034752	79122332	glucosaminyl (N-acetyl) transferase 1, core 2
21596	ENSG00000145826	LECT2	21263	7	0.02	protein_coding	5	135257668	135260723	lecukocyte cell-derived lectin 2
21778	ENSG00000102711	RALGAP3B	21428	0.02	0.02	protein_coding	1	135911007	135911007	ras guanine nucleotide dissociation stimulator
21628	ENSG0000011424	VDR	21445	5	0.02	protein_coding	12	4823520	48536831	vitamin D (1,25-dihydroxyvitamin D3) receptor
21842	ENSG00000158477	CD1A	21460	9	0.02	protein_coding	1	158223927	158229959	CD1A molecule
21848	ENSG00000132744	ACY3	21478	0.02	0.02	protein_coding	11	67410026	67418130	asparaginase (aminoacylase) 3
21873	ENSG00000088226	SMI1	21482	5	0.02	protein_coding	4	187187099	187210835	coagulation factor XI
21885	ENSG00000158451	SMI1B	21482	5	0.02	protein_coding	8	30485307	30485307	small integral membrane protein 18
21892	ENSG00000188458	DEFB132	21501	1	0.02	protein_coding	20	283377	241737	defensin, beta 132
21919	ENSG00000190748	VRK1	21517	2	0.02	protein_coding	14	97263841	97289559	vaccinia related kinase 1
21951	ENSG00000102690	TRAF3	21526	2	0.02	protein_coding	17	574214	574214	proliferation-inducing myeloid cell protein
22102	ENSG00000131373	HACL1	21654	0.02	0.02	protein_coding	3	15602211	15643338	2-hydroxyacyl-CoA lyase 1
22106	ENSG00000204816	TRIM31	21657	1	0.02	protein_coding	6	30070874	30080983	tripartite motif containing 31
22128	ENSG00000191741	OSTF1	21672	0.02	0.02	protein_coding	17	4462222	4464117	gamma-glutamyltransferase 5
22215	ENSG00000145504	ATP9A1	21674	1	0.02	protein_coding	1	113482866	113482866	ATPase, H ⁺ transporting, lysosomal 9A, V1 subunit A
22285	ENSG00000165556	CD2	21786	6	0.02	protein_coding	13	28538274	28545276	cellular type II membrane protein
22301	ENSG00000197189	INHBC	21797	2	0.02	protein_coding	12	57628543	57644611	inhibin, beta C
22411	ENSG00000170913	BIN3	21816	0.02	0.02	protein_coding	12	17962603	17962603	UDP-GlcNAc-6-epimerase (N-acetylglucosaminyltransferase 3)
22435	ENSG00000164574	GAULT1	21896	7	0.02	protein_coding	5	153570290	153600044	UDP-N-acetyl-alpha-D-galactoseamine polypeptide N-acetylglucosaminyltransferase 10 (GalNAc-T10)
22558	ENSG00000163714	UZSURP	21948	6	0.02	protein_coding	3	142883339	142779967	UDP-uracil-5-phosphate associated SURP domain containing
22562	ENSG00000204462	RPM12	21997	0.02	0.02	protein_coding	20	34238447	34252878	RNA binding motif protein 12
22608	ENSG00000154001	PPP1R2	22030	4	0.02	protein_coding	14	63839075	64010092	protein phosphatase 2, regulatory subunit B, epsilon isoform
22656	ENSG00000101745	MICU1	22031	1	0.02	protein_coding	7	74127098	74263699	mitochondrial calcium uptake 1
22651	ENSG00000143353	LYPLAL1	22087	2	0.02	protein_coding	1	21547186	21538607	lysophospholipase like 1
22654	ENSG00000170305	COQ2	22089	5	0.02	protein_coding	4	84182899	84200867	coenzyme Q2 4-hydroxybenzoate polygamma-transferase
22686	ENSG00000202690	TRAF3	22078	2	0.02	protein_coding	17	574214	574214	STX16/NF-κB1 receptor/ubiquitin domain containing
22685	ENSG00000170185	USP38	22094	3	0.02	protein_coding	4	14410670	144144983	ubiquitin specific peptidase 38
22712	ENSG00000163807	KIAA143	22116	4	0.02	protein_coding	3	44779153	44803154	KIAA143
22722	ENSG00000114620	RANBP1	22129	1	0.02	protein_coding	12	48116329	48116329	small nuclear ribonucleoprotein-specific
22749	ENSG00000131876	SNRPA	22147	9	0.02	protein_coding	15	10182115	10183547	small nuclear ribonucleoprotein polypeptide A'
22791	ENSG00000164961	KIAA0198	22173	2	0.02	protein_coding	8	12803502	12610492	KIAA0198
22829	ENSG00000132744	ACY3	22182	0.02	0.02	protein_coding	17	67410026	67418130	asparaginase (aminoacylase) 3
22925	ENSG00000140274	DUXO2	22287	5	0.02	protein_coding	15	45406519	45410619	dual oxidase maturation factor 2
22938	ENSG00000137574	GSTI1	22298	9	0.02	protein_coding	8	56665701	56738007	glutathione S-transferase theta 1
23028	ENSG00000101376	AFOPX3B	22316	0.02	0.02	protein_coding	22	60923028	60923028	apolipoprotein B mRNA editing catalytic polypeptide-like 3B
23037	ENSG00000156689	GLYTAL2	22382	0.02	0.02	protein_coding	11	58601542	58617688	glycine-N-acyltransferase-like 2
23108	ENSG00000186292	TMEM100	22432	0.02	0.02	protein_coding	17	57376988	58030482	transmembrane protein 100
23222	ENSG00000165491	TRAF3	22459	2	0.02	protein_coding	17	574214	574214	TBC1 domain family, member 22B
23261	ENSG00000198839	ZNF-27	22551	1	0.02	protein_coding	7	111864643	111863151	zinc finger protein 277
23266	ENSG00000089053	ANAPC5	22558	3	0.02	protein_coding	12	12174848	121837989	anaplastic promoting complex subunit 5
23375	ENSG00000111328	CNRP3	22585	0.02	0.02	protein_coding	12	18623496	18623496	cartilage gamma 5
23382	ENSG00000158914	ARHGAP12	22581	1	0.02	protein_coding	11	120207782	120208045	Rho guanine nucleotide exchange factor (GEF) 12
23407	ENSG00000195441	SLCSA5	22687	0.02	0.02	protein_coding	19	17988282	18005983	solute carrier family 5 (sodium/iodide cotransporter), member 5
23512	ENSG00000164961	KIAA0198	22173	2	0.02	protein_coding	8	12803502	12610492	KIAA0198
23564	ENSG00000187842	MS12	22651	3	0.02	protein_coding	17	5389025	5394134	MS12 ketonolase complex component
23671	ENSG00000180008	SOC3A	22689	6	0.02	protein_coding	14	54543848	55516208	suppressor of cytokine signaling 4
23748	ENSG00000165491	ARHGAP12	22581	1	0.02	protein_coding	12	120207782	120208045	Rho guanine nucleotide exchange factor (GEF) 12
23759	ENSG00000174827	PDZK1	22941	4	0.02	protein_coding	1	145729118	145716574	PDZ domain containing 1
23887	ENSG00000158801	REG1G	23025	3	0.02	protein_coding	14	21528429	215283691	Rho guanine nucleotide exchange factor (GEF) 40
23888	ENSG0000011146	CHUK1	23025	3	0.02	protein_coding	14	21528429	215283691	chuk1, 3 open reading frame 5B
23887	ENSG00000158801	CMT5B	23047	3	0.02	protein_coding	14	23460171	23464891	CHUK-like MARVEL transmembrane domain containing 5
23931	ENSG00000135945	REV11	23089	2	0.02	protein_coding	2	100116938	100116938	REV11 polymerase (DNA directed)
23988	ENSG00000165695	VPB11	23119	0.02	0.02	protein_coding	11	11891843	11892808	vesicular protein sorting 11 homolog (S. cerevisiae)
23967	ENSG00000185443	RFX5	23116	4	0.02	protein_coding	5	57910443	58077409	thymosin protein 5B kinase, T2A, polypeptide 1
24020	ENSG00000176624	MEK3C	23163	7	0.02	protein_coding	18	48702020	48744874	mex-3 RNA binding family member C
24081	ENSG00000186290	CLL48	23207	6	0.02	protein_coding	4	11964666	11970946	collin 48
24125	ENSG00000100810	RBMY2	23416	0.02	0.02	protein_coding	8	14558113	14571814	RNA binding motif protein 27
24335	ENSG00000146984	PARN	23426	2	0.02	protein_coding	16	14259556	14276985	poly(ADP-ribose) polymerase
24384	ENSG00000197593	PRMT3	23452	1	0.02	protein_coding	13	113760105	113774995	coagulation factor VII (serpin proteinase conversion accelerator)
24443	ENSG00000185238	PCP2	23519	0.02	0.02	protein_coding	16	20426016		

26248	ENS000000091073	MTX2	25002	0.02	protein_coding	7	76090093	76135312	deltek homolog 2 (Drosophila)
26258	ENS0000004514	DIRX	25003	0.02	protein_coding	1	20552003	20552003	major facilitator superfamily domain containing 4
26261	ENS000000163128	ANKRD23	25010	0.02	protein_coding	2	97490203	97523671	ankyrin repeat domain 23
26263	ENS000000183760	PAPL	25033	0.02	protein_coding	19	39574553	39602133	iron/zinc purple acid phosphatase-like protein
26261	ENS00000046209	COG7	25050	0.02	protein_coding	18	41816094	41830788	coiled-coil domain containing 19
26301	ENS000000224715	YWA3A	25053	0.02	protein_coding	9	22018959	22018959	chromosome 18 open reading frame 52
26314	ENS000000242732	RGA4	25072	0.02	protein_coding	X	71346958	71351758	retrotransposon gag domain containing 4
26326	ENS000000075240	GRAM4	25082	0.02	protein_coding	22	46971949	47075688	GRAM domain containing 4
26428	ENS000000073984	SMARCE1	25162	0.02	protein_coding	17	38787124	38847840	SWI/SNF related, matrix associated, acid dependent regulator of chromatin, subfamily e, member 1
26468	ENS000000005471	ABCA4	25168	0.02	protein_coding	1	61070103	61070103	ATP-binding cassette, sub-family B (MDR/ATP), member 4
26470	ENS000000145283	SLC22A5	25168	0.02	protein_coding	1	90981698	91499397	solute carrier family 22 (solute carrier/folate transporter), member 5
26475	ENS000000126881	OMG	25216	0.02	protein_coding	17	29590351	29624557	oligodendrocyte myelin glycoprotein
26494	ENS000000196186	HRC17	25230	0.02	protein_coding	9	35949189	35949189	haloalkane carboxyl terminal 1
26511	ENS000000189956	CGB	25248	0.02	protein_coding	19	49548668	49548668	chorionic gonadotropin, beta polypeptide 5
26535	ENS000000031081	ARHGAP31	25287	0.02	protein_coding	3	119013220	119139681	Rho GTPase activating protein 31
26540	ENS000000110046	AT2GA	25271	0.02	protein_coding	11	64462007	64484722	autophagy related 2A
26560	ENS000000021981	ARSOB	25291	0.02	protein_coding	15	74853516	74894704	AT rich interactive domain 5B (BRIGHT-like)
26566	ENS000000123908	AGO2	25294	0.02	protein_coding	8	141541264	141645718	argonaute RISC catalytic component 2
26599	ENS0000000287395	USP39	25320	0.02	protein_coding	19	4526439	45400709	ubiquitin-protein ligase E3 complex 3, mu 3 subunit
26608	ENS000000020753	AP3M2	25320	0.02	protein_coding	8	42070664	42092191	adaptor related protein complex 4, mu 2 subunit
26656	ENS000000142273	CBL	25365	0.02	protein_coding	19	45281126	45303891	Cbl proto-oncogene, C, E3 ubiquitin protein ligase
26699	ENS000000137251	TINAG	25374	0.02	protein_coding	6	54172657	54254560	subunit/terminal nephritis antigen
26695	ENS000000025434	NBSH3	25380	0.02	protein_coding	11	47269951	47290394	nuclear receptor subfamily 1, group 1, member 3
26719	ENS000000068570	FOXJ2	25418	0.02	protein_coding	12	8185299	8208989	forkhead box J2
26728	ENS000000135805	TEC	25424	0.02	protein_coding	4	48137800	48271881	tec protein tyrosine kinase
26744	ENS000000011329	DMR1	25437	0.02	protein_coding	14	24729904	24780906	dehydrogenase/transferase (SDS family) member 1
26762	ENS000000124938	SCSB2A1	25455	0.02	protein_coding	11	61978140	61981408	secretoglycin, family 2A, member 1
26794	ENS000000011295	TTG18	25483	0.02	protein_coding	17	19902894	19948329	tetrahydrofolate repeat domain 19
26798	ENS000000020003	COG13	25483	0.02	protein_coding	3	97658162	97658162	beta-oxoacyl-CoA synthetase domain containing 3
26855	ENS000000022036	POTEG	25509	0.02	protein_coding	14	19553365	19590078	POTE ankyrin family, member G
26856	ENS000000124564	SLC17A3	25531	0.02	protein_coding	6	25813294	25828214	solute carrier family 17 (organic anion transporter), member 3
26858	ENS000000021763	COLEC10	25531	0.02	protein_coding	11	15022665	15022665	membrane-type 10 C-type lectin
26918	ENS000000040433	PMS1	25581	0.02	protein_coding	2	190649107	190742355	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)
26921	ENS000000027523	HSD17B3	25581	0.02	protein_coding	12	44631788	44631788	hydroxysteroid oxidase (SDS family) domain containing 2
26932	ENS000000154081	TEX24	25591	0.02	protein_coding	3	51696790	51738339	testis expressed 204
26934	ENS000000158871	LYPD5	25592	0.02	protein_coding	19	44300081	44331358	LYPD5/PLAUR domain containing 5
26950	ENS000000056311	POU2F1	25607	0.02	protein_coding	19	7240078	7240078	POU2F1 homeobox transcription factor
26954	ENS000000153937	SCRT2	25611	0.02	protein_coding	20	662420	668623	scorpion zinc finger 2
26967	ENS000000145885	LHP2L2	25627	0.02	protein_coding	5	77781038	78655444	topoisomerase II alpha partner-like 2
26985	ENS000000020963	SMR2	25635	0.02	protein_coding	16	47394153	47394153	SMR2 family, member 3
26989	ENS000000147117	ZNF157	25653	0.02	protein_coding	X	47229882	47273704	zinc finger protein 157
27038	ENS000000186047	DLEU7	25695	0.02	protein_coding	13	51281544	51418075	deleted in lymphocytic leukemias, 7
27122	ENS000000009392	LUC7C	25712	0.02	protein_coding	16	3082966	279460	LUC7-like (S. cerevisiae)
27138	ENS000000101203	AVP	25712	0.02	protein_coding	16	3082966	3082966	arginine vasopressin
27141	ENS000000011461	NIPAL3	25789	0.02	protein_coding	1	24742284	24799466	NPA-like domain containing 3
27171	ENS000000196526	TMS62B	25819	0.02	protein_coding	20	2795614	2800930	transmembrane protein 239
27206	ENS000000151246	GPCR5	25830	0.02	protein_coding	5	47633000	47689157	G protein-coupled receptor 115
27211	ENS000000132300	PTCD3	25850	0.02	protein_coding	2	86333306	86369280	pentatricopeptide repeat domain 3
27217	ENS000000188307	PM2A1	25852	0.02	protein_coding	A	15224766	15226927	paraneoplastic Mi antigen 3
27222	ENS000000146007	ADAM9	25852	0.02	protein_coding	10	76980715	77101132	ADAM metalloproteinase domain 20
27247	ENS000000126752	SRX1	25875	0.02	protein_coding	X	48114752	48128679	synovial sarcoma, X breakpoint 1
27276	ENS000000100106	TRSD1	25895	0.02	protein_coding	12	38090311	38172963	TRSD and I-podin binding protein
27328	ENS000000185296	SPR3	25926	0.02	protein_coding	4	43922286	43924438	signal peptide peptidase like 20
27334	ENS000000189979	LRR52	25948	0.02	protein_coding	15	42834729	42841000	leucine rich repeat containing 57
27335	ENS000000178473	UCN3	25947	0.02	protein_coding	10	5406972	5418189	urocortin 3
27344	ENS000000181948	CD2AP2	25947	0.02	protein_coding	4	41924551	41948927	CD300 molecule-like family member G
27431	ENS000000128197	RPAIN	26020	0.02	protein_coding	17	532386	5338186	RPA interacting protein
27503	ENS000000182961	NLRP10	26085	0.02	protein_coding	11	788997	788997	NLR family, pyrin domain containing 10
27507	ENS000000151726	FANCB	26085	0.02	protein_coding	17	10263948	10263948	family with sequence similarity 173, member B
27524	ENS000000183267	DOA1B	26100	0.02	protein_coding	4	1782278	1782381	DOB1 and CUL4 associated factor 16
27542	ENS000000141540	TYH2	26112	0.02	protein_coding	17	7220955	7228155	wee1 family member 2
27541	ENS000000180811	CTH11	26112	0.02	protein_coding	20	24291162	24291178	CCDC15 family member 11
27562	ENS000000163590	PPM1L	26126	0.02	protein_coding	3	16047330	16079695	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1L
27564	ENS000000197124	PHF2	26126	0.02	protein_coding	9	96338699	96441869	PHD finger protein 2
27603	ENS000000150711	CALR	26135	0.02	protein_coding	10	1686313	17171038	cabin (retroviral factor)-calretinin receptor
27632	ENS000000179331	RAB39A	26187	0.02	protein_coding	11	10779629	10783420	RAB39 family, member RAS oncogene family
27663	ENS000000154262	ABCA6	26216	0.02	protein_coding	17	67074843	67138029	ATP-binding cassette, sub-family A (ABC1), member 6
27676	ENS000000154564	GPCR4	26216	0.02	protein_coding	16	4665191	4665191	ADAM metalloproteinase domain 20
27697	ENS000000187195	GOLGA6C	26250	0.02	protein_coding	15	7556040	7556040	golgin A6 family, member C
27698	ENS000000094464	PDE8C	26252	0.02	protein_coding	10	65372345	65426787	phosphodiesterase 8C, cGMP-specific, cone, alpha prime
27766	ENS000000185453	PNRC1	26252	0.02	protein_coding	4	1802248	1802248	poly(hydroxyacetyl)transferase (PANA) like domain containing 1
27770	ENS000000129204	USP5	26255	0.02	protein_coding	10	5019733	5019733	ubiquitin-specific peptidase 5 (Trp-2 oncogene)
27772	ENS000000029397	DDO	26318	0.02	protein_coding	6	110712974	110739785	D-aspinate oxidase
27783	ENS000000150433	LUX1	26318	0.02	protein_coding	12	8642381	8642381	HMG homolog (chicken)
27796	ENS000000148950	IMP1L	26322	0.02	protein_coding	11	31453843	31531192	IMP1 inner mitochondrial membrane peptidase-like (S. cerevisiae)
27803	ENS000000193838	RPL1	26322	0.02	protein_coding	8	10463859	10508697	ribonucleic protein L1-1
27819	ENS000000150458	KRT7B	26323	0.02	protein_coding	13	5281123	5281123	keratin 7B
27833	ENS000000166268	MYO10	26333	0.02	protein_coding	12	70219084	70250277	myosin regulatory factor-like
27840	ENS000000029186	FAPB9	26338	0.02	protein_coding	8	82370576	82373414	fatty acid binding protein 9, testis
27845	ENS00000011568	CTD11	26338	0.02	protein_coding	12	8111102	8111102	CTD11 protein 5
27855	ENS000000185807	PPP1R36	26374	0.02	protein_coding	14	65016020	65059058	protein phosphatase 1, regulatory subunit 36
27872	ENS000000058091	CDK14	26388	0.02	protein_coding	7	90057378	90039005	cyclin-dependent kinase 14
27927	ENS000000075651	RPLD	26446	0.02	protein_coding	3	171318165	171520149	phosphodiesterase D1, phosphatidylcholine-specific
27938	ENS000000179023	AMEC3	26450	0.02	protein_coding	3	4971548	4971548	adhesion molecule with Ig-like domain 3
27966	ENS000000110756	HPS5	26481	0.02	protein_coding	11	18300223	18343745	Hermansky-Pudlak syndrome 5
27987	ENS000000046539	ZNF207	26486	0.02	protein_coding	18	3472525	3472525	zinc finger protein 207
27997	ENS000000197963	ANKRD22	26500	0.02	protein_coding	16	15445104	15479512	ankyrin domain containing-like 2
28003	ENS000000113448	PDE4E	26525	0.02	protein_coding	5	56264866	56917947	phosphodiesterase 4E, cAMP-specific
28004	ENS000000185989	WNT2	26554	0.02	protein_coding	12	116916665	116963343	wntless-type WNT11 integration site family member 2
28005	ENS000000185952	SLC24A3	26555	0.02	protein_coding	20	19193299	19193299	solute carrier family 24 (sodium/calcium exchanger), member 3
28062	ENS000000181852	IZUM2	26588	0.02	protein_coding	9	55965805	55966842	IZUMO family member 2
28075	ENS000000185622	UCMA	26588	0.02	protein_coding	10	1326578	13276334	upper zone of growth plate and cartilage matrix associated
28086	ENS000000150314	TRAF3	26592	0.02	protein_coding	10	84434959	84434959	apoptosis regulatory protein domain containing 3
28091	ENS000000184068	RNF123	26600	0.02	protein_coding	3	49726932	49758962	ring finger protein 123
28108	ENS000000188907	PLAZGF8	26612	0.02	protein_coding	15	42433332	42448839	phosphatidase A2, group VII
28116	ENS000000149490	TRAF1	26612	0.02					

28860	ENSG000000097056	NLK	27326	9	0.02	protein_coding	17	26368763	26523407	non-muscle kinase
28870	ENSG0000012144	SLC7C	27331	4	0.02	protein_coding	8	5298737	5298737	inhibitor cell (MMP-13) kinase
28871	ENSG00000186335	SLC36A2	27337	5	0.02	protein_coding	5	15009439	15027151	solute carrier family 36 (proton/amine acid symporter), member 2
28874	ENSG00000120500	ARR3	27339	0.02	protein_coding	8	69481155	69501690	arradin 3, retinal (X-arrestin)	
28877	ENSG00000185072	ZBTB16	27358	0.02	protein_coding	2	18762562	18771935	zinc finger, SWIM-type containing 2	
28878	ENSG00000127183	PRMT4	27361	3	0.02	protein_coding	6	94148464	94254427	protein rich membrane anchor 1
28879	ENSG00000184206	ZNF145	27362	9	0.02	protein_coding	15	84954525	84914120	galpin AB family-like 4
28882	ENSG00000180184	GAT5	27362	0.02	protein_coding	16	5068131	50691159	SEC14-like 5 (S. cerevisiae)	
28883	ENSG00000242950	ERVWU-1	27368	0.02	protein_coding	7	92097684	92107900	endogenous retrovirus group W, member 1	
28884	ENSG00000185251	PRK18	27368	3	0.02	protein_coding	11	5322424	5323226	olfactory receptor, family 51, subfamily B, member 4
28885	ENSG00000184520	FBLN7	27368	0.02	protein_coding	12	11288682	11294891	KLIA0907	
28886	ENSG00000132880	KIAA0907	27417	0.02	protein_coding	1	15588284	15590491	KIAA0907	
28907	ENSG00000124199	MATN4	27457	0.02	protein_coding	20	43922085	43937169	matrin 4	
28917	ENSG0000013256	POEAB	27458	0.02	protein_coding	4	8193373	8194273	phosphodiesterase 8B, cGMP-specific, rod, beta	
29047	ENSG00000177554	ZDHHC13	27496	0.02	protein_coding	11	19138646	19197969	zinc finger, DHHC-type containing 13	
29057	ENSG00000126211	INS4	27505	0.02	protein_coding	9	5231418	5233504	insulin-like 4 (placenta)	
29104	ENSG00000204998	BCAT1A	27546	0.02	protein_coding	19	41848255	41930910	branched chain keto acid dehydrogenase E1, alpha polypeptide	
29114	ENSG00000155028	RSPH10B	27551	0.02	protein_coding	7	5965119	6103114	radial spoke head 10 homolog B (Chlamydomonas)	
29127	ENSG00000186844	ARHGAP15	27562	0.02	protein_coding	17	8213559	8223829	Rho guanine nucleotide exchange factor (GEF) 15	
29128	ENSG00000205555	ICRNL1	27562	0.02	protein_coding	12	52226913	52226912	ICRNL1 domain containing	
29142	ENSG00000179023	KLHDC7A	27581	0.02	protein_coding	18	18807424	18812748	kelch domain containing 7A	
29160	ENSG00000197168	NEK5	27601	3	0.02	protein_coding	13	52611953	52702314	NIMA-related kinase 5
29164	ENSG00000180189	SLC37A1	27603	0.02	protein_coding	21	42931818	44001550	solute carrier family 37 (glucose-6-phosphate transporter), member 1	
29185	ENSG00000158077	NLRP14	27613	0.02	protein_coding	11	7041677	7052939	NLR family, pyrin domain containing 14	
29188	ENSG00000170788	VDYCD1	27624	0.02	protein_coding	10	8205881	8211851	VDYCD1 domain containing 1	
29210	ENSG00000202703	PRKRC	27651	1	0.02	protein_coding	3	13807044	13807334	protein rich 23C
29262	ENSG00000198785	SYCP1	27683	0.02	protein_coding	1	115387424	115378911	synaptonemal complex protein 1	
29282	ENSG00000189917	RAPSN	27707	0.02	protein_coding	11	47459308	47470730	receptor-associated protein of the synapse	
29286	ENSG00000184262	SLC12A2	27716	0.02	protein_coding	11	160052893	160052893	solute carrier family 12 (sodium/calcium transporter), member 2	
29300	ENSG00000158793	MIT1	27754	0.02	protein_coding	1	161087876	161095235	mitosis 1	
29327	ENSG00000142001	TMEM81	27759	0.02	protein_coding	1	5544685	5547868	transmembrane protein 61	
29334	ENSG00000184828	SH3BP2	27762	0.02	protein_coding	18	4553124	4554128	zinc finger and BTB domain containing 7C	
29343	ENSG00000197902	SHISA7	27773	0.02	protein_coding	19	5594107	5594230	shisa family member 7	
29373	ENSG00000205572	SERF1A	27804	0.02	protein_coding	5	69321074	69338940	small ERDRK-rich factor 1B (centrosome)	
29378	ENSG00000184262	SLC12A2	27816	0.02	protein_coding	12	7230103	7230103	poly(A) binding protein, cytoplasmic 1A, alpha 2A	
29381	ENSG00000197599	CCDC154	27815	0.02	protein_coding	5	1484384	1484557	coiled-coil domain containing 154	
29385	ENSG00000184287	CDCC20B	27821	0.02	protein_coding	5	5446799	5448905	cell division cycle 20B	
29386	ENSG00000185077	RFX	27821	0.02	protein_coding	18	4098173	4098173	protein 18	
29395	ENSG00000123307	NEUROD4	27828	0.02	protein_coding	12	55413729	5542378	neuronal differentiation 4	
29397	ENSG00000174788	PCP2	27828	0.02	protein_coding	19	7699487	7699834	Purkinje cell protein 2	
29424	ENSG00000185077	PCP2	27828	0.02	protein_coding	21	4774825	4774825	protein 21	
29428	ENSG00000204248	COL11A2	27854	0.02	protein_coding	6	3310458	3310276	collagen, type XI, alpha 2	
29431	ENSG00000128285	MCHR1	27857	0.02	protein_coding	22	41074754	41078818	melanin-concentrating hormone receptor 1	
29440	ENSG00000185077	FSGP1	27864	0.02	protein_coding	2	12000208	12041967	Primary cilia dyskinesia protein 1	
29502	ENSG00000205811	TMEM25	27868	0.02	protein_coding	6	95389052	95389180	transmembrane protein 25	
29515	ENSG00000148338	ZNF78D1	27872	0.02	protein_coding	3	50378841	50384283	zinc finger, MYND-type containing 10	
29516	ENSG00000116020	ANAPC15	27872	0.02	protein_coding	11	71817424	71823428	anaphase promoting complex subunit 15	
29544	ENSG00000184668	TMEM10	27875	0.02	protein_coding	11	70709648	70717919	transmembrane growth factor 16	
29547	ENSG00000064270	ATPC22	27878	0.02	protein_coding	18	84421133	8449793	ATPase, Ca++ transporting, type 2C, member 2	
29610	ENSG00000186123	RPR2C2	28014	0.02	protein_coding	11	15033567	15033567	regulation of nucleic acid-protein domain containing 2	
29618	ENSG00000186191	FKBP3	28015	0.02	protein_coding	21	44071749	44119619	phosphodiesterase 3A	
29674	ENSG00000186177	ZNF479	28084	0.02	protein_coding	7	57187321	57207211	zinc finger protein 479	
29701	ENSG00000193355	TMEM33	28094	0.02	protein_coding	15	74890841	74903057	CDCC-like kinase 3	
29706	ENSG00000221870	TMEM257	28097	0.02	protein_coding	16	144981958	144981958	transmembrane protein 257	
29714	ENSG00000150275	PCDH15	28100	0.02	protein_coding	10	55625321	55787102	protodermalin-related 15	
29717	ENSG000000991831	ESR1	28101	0.02	protein_coding	6	151971806	15240734	estrogen receptor 1	
29724	ENSG00000111827	ZNF400	28102	0.02	protein_coding	19	37651827	37618297	zinc finger protein 570	
29747	ENSG00000132275	RPR8	28130	0.02	protein_coding	11	6618305	6624890	ribosomal RNA processing 8, methyltransferase, homolog (yeast)	
29756	ENSG00000171947	FAM89A1	28135	0.02	protein_coding	12	8373886	8380214	family with sequence similarity 90, member A1	
29768	ENSG00000131478	ZNF177	28137	0.02	protein_coding	12	4162707	4162707	leucine-rich repeat domain 28	
29786	ENSG00000188629	ZNF177	28168	0.02	protein_coding	19	9432611	9432323	zinc finger protein 177	
29795	ENSG00000189900	TFPI3	28175	0.02	protein_coding	1	3569894	3625765	tumor protein p73	
29800	ENSG00000186920	POU4F1A	28176	0.02	protein_coding	21	17841893	17841893	transcription factor 11A	
29805	ENSG00000186338	FBOX24	28182	0.02	protein_coding	7	10018160	10019840	F-box protein 24	
29809	ENSG00000205556	OPRK1	28187	0.02	protein_coding	8	54136254	54154257	opsin receptor, kappa 1	
29824	ENSG00000190911	TMEM17	28187	0.02	protein_coding	12	22890441	22890441	transmembrane protein containing 17	
29827	ENSG00000164718	LMTK2	28209	0.02	protein_coding	7	97736197	97839845	lemur tyrosine kinase 2	
29842	ENSG00000184625	LON2	28224	0.02	protein_coding	9	139844003	139849499	lipocalin 12	
29877	ENSG00000182963	ZNF133	28237	0.02	protein_coding	12	14982268	14982268	chromosome 12 open reading frame 60	
29881	ENSG00000281408	TENT-CDK3	28260	0.02	protein_coding	17	73975312	74002080	TENT-CDK3 readthrough (NMD candidate)	
29882	ENSG00000125965	GDF5	28261	0.02	protein_coding	20	34021145	34042968	growth differentiation 5	
29888	ENSG00000185077	LINC011	28262	0.02	protein_coding	1	15688038	15688038	leucine-rich repeat domain containing 21	
29904	ENSG00000138111	TMEM180	28277	0.02	protein_coding	10	104221449	104238002	transmembrane protein 180	
29908	ENSG00000181359	KBTBD3	28281	0.02	protein_coding	11	10591825	10598498	kelch repeat and BTB (POZ) domain containing 3	
29910	ENSG00000171558	LRWD1	28282	0.02	protein_coding	11	1843128	1843128	immunoglobulin superfamily, member 25	
29917	ENSG00000092884	SEMA5B	28286	0.02	protein_coding	3	12228041	12274142	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (sema)homolog 5B	
29920	ENSG00000138378	RNF43	28300	0.02	protein_coding	3	56428681	56428681	ring finger protein 43	
29930	ENSG00000207296	DOC2B	28300	0.02	protein_coding	17	5810	31427	double C2-like domains, beta	
29930	ENSG00000191952	TMEM132D	28314	0.02	protein_coding	12	129596270	130328112	transmembrane protein 132D	
29943	ENSG00000185987	TRAF3R	28317	0.02	protein_coding	13	1222141	1222141	prolactin-inducible N-terminus receptor	
29959	ENSG00000103130	GPR	28317	0.02	protein_coding	19	4611502	46116082	gastric inhibitory polypeptide receptor	
29970	ENSG00000101282	RSPD4	28333	0.02	protein_coding	20	839095	839207	R-spondin 4	
29974	ENSG00000064338	SLC44A8	28341	0.02	protein_coding	12	51761017	51802080	solute carrier family 4, sodium bicarbonate cotransporter, member 8	
29983	ENSG00000185143	HES1	28347	0.02	protein_coding	8	22851246	22851246	hepatocyte nuclear factor 3, H3	
29994	ENSG00000104848	KCNAT	28367	0.02	protein_coding	19	4957075	49576198	potassium voltage-gated channel, shaker-related subfamily, member 7	
30005	ENSG00000181031	RPL3AL	28362	0.02	protein_coding	17	6229	248045	ribosomal protein L3A (without C2 domain)	
30026	ENSG00000186803	SHISA6	28368	0.02	protein_coding	18	11144890	111467380	shisa family member 6	
30030	ENSG00000248874	TMEM10	28369	0.02	protein_coding	5	23951457	24173732	chromosome 5 open reading frame 17	
30052	ENSG00000065187	ACPL30	28422	0.02	protein_coding	16	5841596	5849893	acyl-CoA synthetase medium-chain family member 3	
30056	ENSG00000185077	SEZ5	28422	0.02	protein_coding	16	27431919	27431919	secure 5-like homology (mouse)	
30057	ENSG00000185414	MPR130	28426	0.02	protein_coding	2	99797542	99814089	mitochondrial ribosomal protein L30	
30064	ENSG00000149955	ADAD2	28432	0.02	protein_coding	16	84224744	84230710	adenosine deaminase domain containing 2	
30068	ENSG00000185198	TM6P	28432	0.02	protein_coding	16	598492	600126	THAP domain containing, apoptosis associated protein 3	
30089	ENSG00000204850	ADAM10	28450	0.02	protein_coding	15	74418256	74416119	HCG200477, Uncharacterized protein	
30090	ENSG0000017800	FRBP8	28453	0.02	protein_coding	7	72742167	72772634	adenosine deaminase domain containing 2	
30106	ENSG00000185156	ATY								

2888	ENSG00000252379	27661.5	0.02	snRNA	11	29249252	29249341	RNA, U6 small nuclear 1002, pseudogene	
2889	ENSG00000252379	27661.5	0.02	snRNA	10	27482297	27482429	RNA, U2 small nuclear 24, pseudogene	
2890	ENSG00000200399	27598.4	0.02	snRNA	3	141621766	141621872	RNA, U6 small nuclear 505, pseudogene	
2899	ENSG00000238452	27786.9	0.02	snRNA	4	25104364	25104470	RNA, U6 small nuclear 1208, pseudogene	
2951	ENSG00000207198	27843.6	0.02	snRNA	2	41115959	41116062	RNA, U6 small nuclear 1195, pseudogene	
2972	ENSG00000207198	28111.5	0.02	snRNA	2	96281054	96281184	RNA, U6 small nuclear 8, pseudogene	
2980	ENSG00000200378	28179.0	0.02	snRNA	5	138783596	138783703	RNA, U6 small nuclear 4, pseudogene	
2981	ENSG00000201170	28278.0	0.02	snRNA	20	30168982	30168985	RNA, U6 small nuclear 384, pseudogene	
2985	ENSG00000252444	28315.1	0.02	snRNA	4	152221670	152221785	RNA, U6 small nuclear 8, pseudogene	
3002	ENSG00000209524	28452.7	0.02	snRNA	2	44119829	44119935	RNA, U6 small nuclear 1048, pseudogene	
3027	ENSG00000189551	28525.0	0.02	snRNA	12	12319606	12319711	RNA, U6 small nuclear 545, pseudogene	
3030	ENSG00000202133	28545.5	0.02	snRNA	2	19222664	19222770	RNA, U6 small nuclear 1045, pseudogene	
3039	ENSG00000206763	RNU6-1P	28646.5	0.02	snRNA	7	92331022	92331128	RNA, U6 small nuclear 10, pseudogene
3052	ENSG00000221114	28671.7	0.02	snRNA	14	50151262	50151383	RNA, U6 small nuclear 30, pseudogene	
3121	ENSG00000212327	28692.3	0.02	snRNA	3	9960735	9960707	RNA, U6 small nuclear 850, pseudogene	
3124	ENSG00000238778	28489.3	0.02	snRNA	1	68238276	68238336	RNA, U7 small nuclear 80 pseudogene	
3149	ENSG00000202156	28571.8	0.02	snRNA	6	76477776	76477875	RNA, U6 small nuclear 155, pseudogene	
3150	ENSG00000202522	29011.7	0.02	snRNA	8	48891974	48892081	RNA, U6 small nuclear 519, pseudogene	
31613	ENSG00000207200	RNU6-4P	29111.3	0.02	snRNA	11	63737942	63738048	RNA, U6 small nuclear 45, pseudogene
32074	ENSG00000200274	30286.8	0.02	snRNA	12	110055780	110055920	RNA, U4 small nuclear 32, pseudogene	
15163	ENSG00000235552	16381	0.02	transcribed_unprocessed_pseudo_gene	18	6462143	6463014	ribosomal protein L6 pseudogene 27	
25572	ENSG00000400356	RPL23AP7	24444.7	0.02	transcribed_unprocessed_pseudo_gene	2	114386979	114386887	ribosomal protein L23a pseudogene 7
27949	ENSG00000203125	26494.2	0.02	transcribed_unprocessed_pseudo_gene	1	92694138	92694992	actin, beta pseudogene 12	
28149	ENSG00000281685	26547.4	0.02	transcribed_unprocessed_pseudo_gene	15	84408536	84408951	tubulin, alpha 8 pseudogene 2	
28181	ENSG00000404850	26683.8	0.02	transcribed_unprocessed_pseudo_gene	4	57459170	57461847	glycine dehydrogenase (decarboxylase) pseudogene 1	
29958	ENSG00000203719	28317.5	0.02	transcribed_unprocessed_pseudo_gene	12	9794398	9795903	glutamic-oxaloacetic transaminase 2 pseudogene 3	
30157	ENSG000002025051	28317.2	0.02	transcribed_unprocessed_pseudo_gene	5	179106033	17912122	high mobility group box 3 pseudogene 22	
31327	ENSG00000213801	ZNF321P	29545.8	0.02	transcribed_unprocessed_pseudo_gene	19	53430388	53445564	ZNF316-ZNF321P readthrough
32618	ENSG000002023518	CSNK1A1P1	30899.2	0.02	transcribed_unprocessed_pseudo_gene	15	37090797	37110660	casein kinase 1, alpha 1 pseudogene 1
22735	ENSG00000214855	APOC1P1	21238	0.02	transcribed_unprocessed_pseudo_gene	19	45430081	45434643	apolipoprotein C1 pseudogene 1
24546	ENSG00000283142	24365.7	0.02	transcribed_unprocessed_pseudo_gene	17	45055847	45131935	leucine rich repeat containing 37, member A17, pseudogene	
26570	ENSG00000240800	25295.8	0.02	transcribed_unprocessed_pseudo_gene	10	37537046	37604729	ATPase, aminohydrophilic protein, class I, type 8A, member 2 pseudogene 1	
27715	ENSG000002026074	26263.1	0.02	transcribed_unprocessed_pseudo_gene	3	48850849	48850848	protease, serine, 44	
27952	ENSG00000189348	FAM90A2P	24666.1	0.02	transcribed_unprocessed_pseudo_gene	19	53784808	53788200	family with sequence similarity 90, member A27, pseudogene
28314	ENSG00000240108	NCO1P1	26809.1	0.02	transcribed_unprocessed_pseudo_gene	20	26084052	26094664	nuclear receptor corepressor 1 pseudogene 1
29933	ENSG00000202345	28305.3	0.02	transcribed_unprocessed_pseudo_gene	9	38564257	38568208	sorting nexin 18 pseudogene 3	
30564	ENSG00000135477	28837.4	0.02	transcribed_unprocessed_pseudo_gene	12	52644250	52652651	keratin 121 pseudogene	
30606	ENSG00000170629	DPY19L2P2	28884.8	0.02	transcribed_unprocessed_pseudo_gene	7	102915580	102920857	DPY19L2 pseudogene 2
30672	ENSG0000021584	FAM202C	28945.6	0.02	transcribed_unprocessed_pseudo_gene	2	96676299	96689128	fumarylacetoacetate hydrolase domain containing 2C, pseudogene
30680	ENSG0000021205	ZNF62P	28952.6	0.02	transcribed_unprocessed_pseudo_gene	19	20451078	20607775	zinc finger protein 62R, pseudogene
31085	ENSG00000258590	29315.6	0.02	transcribed_unprocessed_pseudo_gene	15	20862967	20893737	neurobathin pseudogene 1	
31339	ENSG00000186312	CA5BP1	29559.4	0.02	transcribed_unprocessed_pseudo_gene	X	15693055	15721847	carbonic anhydrase VB pseudogene 1
31500	ENSG00000187984	ANKRD19P	29705.2	0.02	transcribed_unprocessed_pseudo_gene	9	95571670	95650975	ankyrin repeat domain 19, pseudogene
31859	ENSG00000241361	29645	0.02	transcribed_unprocessed_pseudo_gene	1	108815565	108819572	SLC28A4 pseudogene 1	
32206	ENSG00000233325	30395.7	0.02	transcribed_unprocessed_pseudo_gene	13	21872278	21880512	mitochondrial intermediate peptidase pseudogene 3	
24478	ENSG000002029035	23543.1	0.02	unprocessed_pseudogene	1	153112667	153113185	small protein-rich protein 2C (pseudogene)	
24468	ENSG00000182477	24377.8	0.02	unprocessed_pseudogene	8	28021006	28021943	olfactory receptor, family 2, subfamily B, member 8 pseudogene	
27158	ENSG00000204447	25786.5	0.02	unprocessed_pseudogene	8	26018607	26018628	histone cluster 1, H1, pseudogene 2	
27617	ENSG00000229355	DPY19L1P1	26170.3	0.02	unprocessed_pseudogene	7	32620551	32601399	DPY19L1 pseudogene 1
27915	ENSG000002028970	26434.4	0.02	unprocessed_pseudogene	2	86253095	86254299	upstream binding transcription factor, RNA polymerase II like 6 (pseudogene)	
27988	ENSG00000203558	26434.4	0.02	unprocessed_pseudogene	12	13177613	13177721	ribosomal protein S8 pseudogene 30	
28179	ENSG000002033801	26581.3	0.02	unprocessed_pseudogene	7	57859500	57869810	nuclear receptor corepressor 3 pseudogene 3	
28474	ENSG000002034379	26948.8	0.02	unprocessed_pseudogene	1	45998699	45998711	high mobility group box 1 pseudogene 48	
29353	ENSG00000203979	28105.1	0.02	unprocessed_pseudogene	19	46934925	46703580	IGF-like family member 1 pseudogene 1	
30543	ENSG00000214926	DDX12P	28523.6	0.02	unprocessed_pseudogene	12	9570309	9560025	DEADH (Asp-Glu-Ala-Asp/His) box polypeptide 12, pseudogene
31603	ENSG00000202096	PCDH19P	29802.1	0.02	unprocessed_pseudogene	5	140619518	140621864	protocadherin beta 19 pseudogene
11453	ENSG00000211769	13138	0.02	unprocessed_pseudogene	1	13138	13138		
13040	ENSG00000233531	14747.5	0.02	unprocessed_pseudogene	1	14747.5	14747.5		
13744	ENSG00000184779	RPB17	15283.3	0.02	unprocessed_pseudogene	15	82821158	82824972	ribosomal protein S17
15917	ENSG000002025520	15413.6	0.02	unprocessed_pseudogene	1	15413.6	15413.6		
14778	ENSG00000189556	15500.4	0.02	unprocessed_pseudogene	1	15500.4	15500.4		
14334	ENSG00000178464	15723	0.02	unprocessed_pseudogene	1	15723	15723		
14617	ENSG000002026971	16545.3	0.02	unprocessed_pseudogene	1	16545.3	16545.3		
5116	ENSG00000203380	LOC10098517	16538.0	0.02	unprocessed_pseudogene	1	145096220	145116922	SEC22 vesicle trafficking protein homolog B (S. cerevisiae) (pseudogene)
14547	ENSG00000243984	16592.3	0.02	unprocessed_pseudogene	1	16592.3	16592.3		
15524	ENSG00000204494	16648	0.02	unprocessed_pseudogene	1	16648	16648		
15965	ENSG00000204925	16986.5	0.02	unprocessed_pseudogene	1	16986.5	16986.5		
15981	ENSG00000206955	16988	0.02	unprocessed_pseudogene	1	16988	16988		
17452	ENSG00000197262	CCL4L1	18100.4	0.02	unprocessed_pseudogene	17	34839793	34841846	chemokine (C-C motif) ligand 4-like 2
17844	ENSG00000202529	18234.1	0.02	unprocessed_pseudogene	1	18234.1	18234.1		
17848	ENSG000002056211	18237.2	0.02	unprocessed_pseudogene	1	18237.2	18237.2		
17699	ENSG000002028912	18262.5	0.02	unprocessed_pseudogene	1	18262.5	18262.5		
17764	ENSG00000207471	18333.2	0.02	unprocessed_pseudogene	1	18333.2	18333.2		
18026	ENSG000002039006	18520.8	0.02	unprocessed_pseudogene	1	18520.8	18520.8		
18392	ENSG000002025020	CCL4L1	18768.7	0.02	unprocessed_pseudogene	17	34538310	34540280	chemokine (C-C motif) ligand 4-like 1
18778	ENSG000002024566	19074.9	0.02	unprocessed_pseudogene	1	19074.9	19074.9		
18902	ENSG000002060884	19182.3	0.02	unprocessed_pseudogene	1	19182.3	19182.3		
18903	ENSG00000217401	19239.1	0.02	unprocessed_pseudogene	1	19239.1	19239.1		
18411	ENSG000002026983	19375.1	0.02	unprocessed_pseudogene	1	19375.1	19375.1		
18688	ENSG00000235554	19780.9	0.02	unprocessed_pseudogene	1	19780.9	19780.9		
20027	ENSG00000181404	20045.4	0.02	unprocessed_pseudogene	1	20045.4	20045.4		
20851	ENSG00000203093	20894.7	0.02	unprocessed_pseudogene	1	20894.7	20894.7		
21058	ENSG000002028432	20833.8	0.02	unprocessed_pseudogene	1	20833.8	20833.8		
21395	ENSG00000208784	21101.7	0.02	unprocessed_pseudogene	1	21101.7	21101.7		
21727	ENSG00000105706	CF3.23	21376.7	0.02	unprocessed_pseudogene	17	34340096	34345095	chemokine (C-C motif) ligand 23
21951	ENSG00000185217	HIST1H4I	21526.4	0.02	unprocessed_pseudogene	1	148825607	148832714	histone cluster 2, H4b
22145	ENSG00000207164	21685.9	0.02	unprocessed_pseudogene	1	21685.9	21685.9		
22293	ENSG00000204620	21771.5	0.02	unprocessed_pseudogene	1	21771.5	21771.5		
22534	ENSG000002028433	21967.6	0.02	unprocessed_pseudogene	1	21967.6	21967.6		
22542	ENSG000002025565	21977.6	0.02	unprocessed_pseudogene	1	21977.6	21977.6		
22673	ENSG000002020137	22385.7	0.02	unprocessed_pseudogene	1	22385.7	22385.7		
22697	ENSG000002025275	22104.6	0.02	unprocessed_pseudogene	15	82970479	82988374	chondroitin sulfate proteoglycan 4 pseudogene 9	
22811	ENSG000002072216	22195.4	0.02	unprocessed_pseudogene	1	22195.4	22195.4		
21172	ENSG000002085978	22482.9	0.02	unprocessed_pseudogene	1	22482.9	22482.9		
23421	ENSG000002030715	22677.3	0.02	unprocessed_pseudogene	1	22677.3	22677.3		
23818	ENSG000002028413	22993.7	0.02	unprocessed_pseudogene	1	22993.7	22993.7		
23895	ENSG00000203498	23950.4	0.02	unprocessed_pseudogene	1	23950.4	23950.4		
23968	ENSG00000181511	23955.8	0.02	unprocessed_pseudogene	1	23955.8	23955.8		
24100	ENSG000002041770	23225.2	0.02	unprocessed_pseudogene	1	23225.2	23225.2		
24411	ENSG000002023707	23494.7	0.02	unprocessed_pseudogene	1	23494.7	23494.7		
24433	ENSG00000205986	23559.6	0.02</						

26236	ENSG00000220131	24986.4	0.02					
26239	ENSG00000220208	25044.4	0.02					
26304	ENSG00000238009	25056.7	0.02					
26399	ENSG00000197284	25140.5	0.02					
26462	ENSG00000229674	25204.2	0.02					
26476	ENSG00000231241	25218.2	0.02					
26588	ENSG00000267056	25310.3	0.02					
26619	ENSG00000194815	25339.4	0.02					
26622	ENSG00000229261	25341.8	0.02					
26629	ENSG00000204150	25344.5	0.02	10	47708307	47703235	centaurin, gamma-like family, member 11 pseudogene	
26651	ENSG00000231873	25350.6	0.02					
26674	ENSG00000232026	25376.5	0.02					
26688	ENSG00000272755	25383.7	0.02					
26690	ENSG00000234534	25386.3	0.02					
26720	ENSG00000231748	25428.6	0.02					
26773	ENSG00000206936	25465.8	0.02					
26925	ENSG000002081600	25584.9	0.02					
26986	ENSG00000229784	25593.3	0.02					
27022	ENSG000002068205	25679.3	0.02					
27033	ENSG00000202071	25694	0.02					
27051	ENSG00000233025	25703.9	0.02					
27057	ENSG000002083177	25709.6	0.02					
27092	ENSG00000204837	25745.6	0.02					
27108	ENSG00000223578	25756.3	0.02					
27109	ENSG00000273329	25762	0.02					
27229	ENSG00000228799	25886.4	0.02					
27243	ENSG00000230959	25879.2	0.02					
27254	ENSG00000230400	25881.5	0.02					
27261	ENSG00000243944	25884.8	0.02					
27268	ENSG00000230621	25886.5	0.02					
27312	ENSG000002051676	25925.9	0.02					
27338	ENSG00000202872	25949	0.02					
27357	ENSG00000240959	25944.3	0.02					
27373	ENSG00000205341	25976.7	0.02					
27385	ENSG000002048785	25985.4	0.02					
27398	ENSG00000230997	25992.8	0.02					
27429	ENSG00000241228	26017.1	0.02					
27443	ENSG00000242753	26030.5	0.02					
27447	ENSG000002304423	26035.8	0.02					
27459	ENSG00000229765	26039.7	0.02					
27472	ENSG00000219687	26052.2	0.02					
27488	ENSG00000230959	26060.3	0.02					
27496	ENSG00000229794	26076.2	0.02					
27534	ENSG00000232721	26104.8	0.02					
27538	ENSG00000205243	26106.7	0.02					
27551	ENSG00000229263	26117.6	0.02					
27558	ENSG00000240242	26122.1	0.02					
27560	ENSG00000257098	26124.6	0.02	14	19614216	19615864	GRAM domain containing 4 pseudogene 3	
27581	ENSG000002051142	26142.2	0.02					
27587	ENSG000002081803	26143.9	0.02					
27607	ENSG00000214525	26164	0.02					
27618	ENSG000002081208	26171.6	0.02					
27625	ENSG000002051555	26175.4	0.02					
27646	ENSG00000234862	26208.6	0.02					
27660	ENSG000002081177	26214.9	0.02					
27676	ENSG00000229290	26227.1	0.02					
27679	ENSG00000208796	26229.6	0.02					
27684	ENSG000002051418	26238.9	0.02					
27692	ENSG00000213772	26246.1	0.02					
27694	ENSG00000234915	26247.5	0.02					
27711	ENSG00000204953	26260.3	0.02					
27725	ENSG000002044445	26269.8	0.02					
27730	ENSG000002045768	26274	0.02					
27736	ENSG000002204215	26276.5	0.02					
27768	ENSG00000258979	26304.1	0.02					
27774	ENSG000002052895	26308.5	0.02					
27790	ENSG000002084959	26318.1	0.02					
27815	ENSG000002087258	26344.2	0.02					
27816	ENSG000002089913	26344.7	0.02					
27837	ENSG00000220509	26356.8	0.02					
27850	ENSG00000238007	26369.4	0.02					
27853	ENSG00000204302	26372.6	0.02					
27862	ENSG00000232227	26381.1	0.02					
27863	ENSG00000232726	26383	0.02					
27866	ENSG00000234132	26385.4	0.02					
27877	ENSG00000230927	26394.1	0.02					
27880	ENSG00000257514	26399.2	0.02					
27888	ENSG000002040125	26419.2	0.02					
27904	ENSG00000222071	26427.3	0.02					
27906	ENSG00000272021	26428.8	0.02					
27914	ENSG00000237321	26433.7	0.02					
27923	ENSG00000220710	26439.3	0.02					
27944	ENSG00000207941	26459.6	0.02	7	65939543	65940709	HCG1983814: Uncharacterized protein	
27958	ENSG000002304335	26475.6	0.02					
27964	ENSG000002054807	26481.1	0.02					
27975	ENSG000002051773	26496.1	0.02					
27985	ENSG00000227709	26493.3	0.02					
28003	ENSG000002042009	26511	0.02					
28021	ENSG00000203941	26524.2	0.02					
28027	ENSG00000250441	26529.4	0.02					
28036	ENSG000002044176	26536.5	0.02					
28066	ENSG000002045452	26560	0.02					
28068	ENSG00000227583	26576.6	0.02					
28076	ENSG00000214837	26587.1	0.02					
28081	ENSG00000186850	26591	0.02					
28103	ENSG000002052920	26609.8	0.02					
28113	ENSG000002094113	26617.3	0.02					
28119	ENSG000002071262	26624.5	0.02					
28141	ENSG0000020230809	26643.9	0.02					
28142	ENSG00000229032	26644	0.02					
28168	ENSG00000220588	26644.3	0.02					
28190	ENSG000002037409	26687.8	0.02					
28193	ENSG00000209099	26688.9	0.02					
28201	ENSG00000217442	26702.3	0.02					
28203	ENSG000002028290	26703	0.02					
28209	ENSG000002043296	26711.3	0.02					
28210	ENSG000002057290	26711.5	0.02					
28231	ENSG000002026212	26728.9	0.02					
28247	ENSG000002029108	26746.1	0.02					
28257	ENSG000002034418	26755.9	0.02					
28270	ENSG000002051320	26767.4	0.02					
28277	ENSG000002046876	26769.9	0.02					
28278	ENSG000002024849	26770.1	0.02					
28281	ENSG000002293556	26771.3	0.02					
28286	ENSG00000184188	26772.1	0.02					
28312	ENSG000002020295	26807	0.02					
28333	ENSG000002057879	26822.3	0.02					
28347	ENSG00000271320	26832.8	0.02					
28350	ENSG000002044607	26834.3	0.02	9	45733559	45734596	family with sequence similarity 27, member E2	
28363	ENSG000002031190	26845	0.02					
28393	ENSG000002054854	26872.8	0.02					
28407	ENSG000002052567	26885	0.02					
28413	ENSG00000234041	26894.1	0.02					
28419	ENSG000002060469	26896.3	0.02					
28428	ENSG000002081963	26906.8	0.02					
28459	ENSG00000259683	26917.2	0.02					
28443	ENSG000002065388	26919.9	0.02					
28488	ENSG00000207331	26976.6	0.02					
28501	ENSG000002087115	26978.5	0.02					
28508	ENSG000002024794	26984.3	0.02					
28507	ENSG000002052600	26986.6	0.02					
28511	ENSG00000204509	26989.2	0.02					
28526	ENSG000002041562	27003.2	0.02					
28528	ENSG00000205000	27007.2	0.02					
28533	ENSG00000206777	27013.5	0.02					
28539	ENSG000002030147	27020.4	0.02					
28547	ENSG000002087239	27023.6	0.02					
28564	ENSG00000272088	27038.8	0.02					
28574	ENSG000002038642	27040.1	0.02					
28608	ENSG00000207222	27081.6	0.02					
28627	ENSG00000205244	27097.5	0.02					
28676	ENSG000002044705	27143.6	0.02					
28705	ENSG000002084957	27183.1	0.02					
28721	ENSG00000205232	27209.2	0.02					
28758	ENSG00000273062	27232.7	0.02					
28760	ENSG00000203491	27235.7	0.02					
28768	ENSG00000202721	27241.9	0.02					
28772	ENSG000002029766	27251.9	0.02					
28775	ENSG000002026952	27255.0	0.02					
28776	ENSG00000205878	27256.2	0.02	21	47612391	47613673	Protein LOC101060037	
28777	ENSG000002020581	27257.5	0.02					

28783	ENSG00000128542		27365.7	0.02	10	49272334	49237498		protein tyrosine phosphatase, non-receptor type 20C, pseudogene
28798	ENSG00000111118		27378	0.02					
28810	ENSG000002034717		27386.5	0.02					
28818	ENSG00000271901		27390.3	0.02					
28819	ENSG00000226913		27390.4	0.02					
28823	ENSG00000226913		27392.3	0.02					
28825	ENSG00000253557		27393.9	0.02					
28837	ENSG00000225916		27395.4	0.02					
28852	ENSG00000209698		27392	0.02					
28866	ENSG00000252893		27334.5	0.02	11	59326273	59326334		RNA, U7 small nuclear 58 pseudogene
28880	ENSG00000255993		27355.9	0.02					
28912	ENSG00000256533		27374.5	0.02	3	48421324	48421620		RNA, 75L, cytoplasmic 321, pseudogene
28922	ENSG00000230943		27386.1	0.02					
28926	ENSG00000287650		27392.5	0.02					
28997	ENSG00000202213		27448.6	0.02					
29002	ENSG00000227579		27455	0.02					
29013	ENSG00000229291		27459.5	0.02					
29015	ENSG00000230338		27462.2	0.02					
29026	ENSG00000258066		27472.5	0.02					
29037	ENSG00000248896		27486.3	0.02					
29046	ENSG00000213469		27495.2	0.02					
29048	ENSG00000259370		27497.3	0.02					
29056	ENSG00000272108		27504.3	0.02					
29060	ENSG00000215150		27507.4	0.02					
29065	ENSG00000241528		27513	0.02					
29072	ENSG00000287583		27521.1	0.02					
29073	ENSG00000230378		27521.5	0.02					
29099	ENSG00000228986		27540.1	0.02					
29103	ENSG00000208184		27544.3	0.02					
29104	ENSG00000253463		27544.4	0.02					
29105	ENSG00000287045		27545.1	0.02					
29115	ENSG00000232450		27552.7	0.02					
29141	ENSG00000214123		27578.7	0.02					
29154	ENSG00000227431		27597.6	0.02					
29163	ENSG00000258403		27603.9	0.02					
29177	ENSG00000259799		27618	0.02					
29190	ENSG00000258793		27626.1	0.02					
29214	ENSG00000234804		27652.1	0.02					
29227	ENSG00000255859		27661.3	0.02					
29235	ENSG00000272934		27667.6	0.02					
29242	ENSG00000228941		27674.2	0.02					
29246	ENSG00000258645		27676.3	0.02					
29270	ENSG00000258920		27696.5	0.02					
29286	ENSG00000221799		27712.2	0.02					
29307	ENSG00000275289		27740	0.02					
29321	ENSG00000248562		27756.5	0.02					
29337	ENSG00000286047		27766.3	0.02					
29354	ENSG00000259593		27782.1	0.02					
29360	ENSG00000177388		27788.5	0.02					
29364	ENSG00000170296	CTGLF2P	27791.9	0.02	10	49217866	49239729		centaurin, gamma-like family, member 12 pseudogene
29396	ENSG00000235560		27830.6	0.02					
29416	ENSG00000215291		27842.8	0.02					
29421	ENSG00000272735		27848.3	0.02					
29444	ENSG00000237623		27869	0.02					
29456	ENSG00000240746		27878.2	0.02					
29468	ENSG00000259596		27888.2	0.02					
29467	ENSG00000239244		27889.4	0.02					
29479	ENSG00000258413		27890.6	0.02					
29480	ENSG00000214035		27900.3	0.02					
29482	ENSG00000247345		27901.2	0.02					
29488	ENSG00000235158		27915.5	0.02					
29501	ENSG00000217278		27920.9	0.02					
29503	ENSG00000284964		27923.6	0.02					
29510	ENSG00000230463		27927.6	0.02					
29532	ENSG00000266621		27844.2	0.02					
29539	ENSG00000271749		27957.9	0.02					
29545	ENSG00000252698		27962.8	0.02					
29549	ENSG00000258375		27960.7	0.02					
29557	ENSG00000214645		27968.4	0.02	9	110538471	110540419		Uncharacterized protein
29563	ENSG00000210489		27968	0.02					
29576	ENSG00000244959		27976	0.02					
29580	ENSG00000245458		27987.3	0.02					
29583	ENSG00000250750		27989	0.02					
29594	ENSG00000232491		28002.1	0.02					
29605	ENSG00000280003		28012	0.02	19	50003781	50004614		hsa-mir-150
29606	ENSG00000242419		28012.1	0.02					
29608	ENSG00000255916		28013.8	0.02					
29625	ENSG00000223477		28035.3	0.02					
29639	ENSG00000272365		28038.7	0.02					
29643	ENSG00000268853		28040.1	0.02					
29647	ENSG00000225588		28044.3	0.02					
29648	ENSG00000229444		28044.9	0.02					
29662	ENSG00000212695		28054.2	0.02					
29663	ENSG00000246148		28054.6	0.02					
29668	ENSG00000259263		28059.5	0.02					
29688	ENSG00000197704	FRMPD2P1	28076.9	0.02	10	48844036	48868504		FERM and PDZ domain containing 2 pseudogene 1
29692	ENSG00000235450		28080.5	0.02					
29705	ENSG00000235253		28092.5	0.02					
29707	ENSG00000258858		28094	0.02					
29711	ENSG00000258913		28097.4	0.02					
29712	ENSG00000269691		28098	0.02					
29716	ENSG00000268842	ZNF8	28100.5	0.02	19	58790317	58807254		Zinc finger protein 8
29741	ENSG00000294702		28127.3	0.02					
29764	ENSG00000253773		28137.1	0.02					
29760	ENSG00000227260		28138.1	0.02					
29765	ENSG00000254711		28141.9	0.02					
29770	ENSG00000235385		28152.9	0.02					
29783	ENSG00000273264		28163.8	0.02					
29790	ENSG00000225652		28171.5	0.02					
29791	ENSG00000235385		28172	0.02					
29792	ENSG00000233250		28174	0.02					
29796	ENSG00000234871		28176.3	0.02					
29803	ENSG00000234437		28178.6	0.02					
29830	ENSG00000254298		28213.5	0.02					
29832	ENSG00000286304		28215	0.02					
29847	ENSG00000202745		28233.6	0.02					
29883	ENSG00000283280		28261.6	0.02					
29895	ENSG00000287432		28268.9	0.02					
29898	ENSG00000235527		28272	0.02					
29902	ENSG00000285583		28276.9	0.02					
29905	ENSG00000227373		28278.1	0.02					
29907	ENSG00000255496		28281	0.02					
29918	ENSG00000264647		28290.1	0.02					
29920	ENSG0000017334		28292.1	0.02					
29934	ENSG00000230323	FL44313	28300.7	0.02	18	74207477	74210045		uncharacterized protein LOC400658
29940	ENSG00000224503		28310.3	0.02					
29946	ENSG00000269986		28313.6	0.02					
29964	ENSG00000231168	BMS1P5	28325	0.02	10	48901102	48905972		BMS1 pseudogene 5
29977	ENSG00000205077		28346.8	0.02					
29988	ENSG00000216901		28360.4	0.02					
29992	ENSG00000232109		28364.4	0.02					
29993	ENSG00000180081		28365.9	0.02					
30015	ENSG00000258098		28387.4	0.02					
30023	ENSG00000286798		28392.3	0.02	1	220160853	220160856		Small nuclear RNA U13
30024	ENSG00000258485		28392.4	0.02					
30032	ENSG00000280793		28402.4	0.02					
30035	ENSG00000170495		28407.2	0.02					
30037	ENSG00000280037		28407.4	0.02					
30038	ENSG00000270361		28408.1	0.02					
30040	ENSG00000232130		28411.1	0.02					
30040	ENSG00000254988		28426.6	0.02					
30061	ENSG00000231704		28430.7	0.02					

30200	ENSG00000236319		29554.9	0.02					
30227	ENSG00000232872		29576.7	0.02					
30236	ENSG00000255967		29586.8	0.02					
30236	ENSG00000251508		29588.1	0.02					
30243	ENSG00000166388	ZNF488	29592.6	0.02	10	48355024	48373866		zinc finger protein 488
30244	ENSG00000232945		29593.6	0.02					
30254	ENSG00000229273		29611.3	0.02					
30255	ENSG00000265448		29612.3	0.02					
30257	ENSG00000186157	TPTE	29614.3	0.02	21	10906201	11029719		transmembrane phosphatase with tensin homology
30259	ENSG00000234222		29614.9	0.02					
30263	ENSG00000259941		29619.6	0.02					
30266	ENSG00000234175		29625	0.02					
30278	ENSG00000255151		29629.5	0.02					
30286	ENSG00000263387		29634	0.02	3	33144500	33144796		RNA, 7SL, cytoplasmic 296, pseudogene
30291	ENSG00000259319		29636.9	0.02					
30292	ENSG00000235885		29637.4	0.02					
30317	ENSG00000267548		29650.2	0.02					
30324	ENSG00000259387		29654.6	0.02					
30327	ENSG00000251639		29656.6	0.02					
30336	ENSG00000260288		29665.5	0.02					
30341	ENSG00000251152		29669.7	0.02					
30350	ENSG00000267446		29669.7	0.02					
30354	ENSG00000273450		29677.7	0.02					
30357	ENSG00000260858		29682.3	0.02					
30363	ENSG00000254024		29686.9	0.02					
30364	ENSG00000235582		29686.9	0.02					
30366	ENSG00000252386		29687.7	0.02					
30368	ENSG00000257635		29692	0.02					
30370	ENSG00000246090		29693.2	0.02					
30372	ENSG00000231848		29693.7	0.02					
30374	ENSG00000220519		29694.9	0.02					
30375	ENSG00000224545		29697.7	0.02					
30386	ENSG00000230433		29705.2	0.02					
30389	ENSG00000273472		29709.2	0.02					
30396	ENSG00000228893		29713.8	0.02					
30435	ENSG00000235883		29737.7	0.02					
30436	ENSG00000266648		29738.6	0.02					
30437	ENSG00000236963		29738.8	0.02					
30454	ENSG00000236889		29754.5	0.02					
30459	ENSG00000271551		29757	0.02					
30466	ENSG00000253477		29760.8	0.02					
30471	ENSG00000259202		29760.8	0.02					
30507	ENSG00000235427		29793.5	0.02					
30530	ENSG00000262410		29813.2	0.02					
30535	ENSG00000275455		29816.6	0.02					
30548	ENSG00000232368		29827.6	0.02					
30559	ENSG00000269296		29835.2	0.02					
30563	ENSG00000265895		29837.2	0.02					
30564	ENSG00000248488		29838.2	0.02					
30575	ENSG00000229481		29848.8	0.02					
30590	ENSG00000230327		29866.3	0.02					
30604	ENSG00000193628		29892	0.02	7	74112305	74300731		stromal antigen 3-like 2 (pseudogene)
30607	ENSG00000234028		29894.4	0.02					
30612	ENSG00000269261		29899.7	0.02					
30614	ENSG00000255586		29899.8	0.02					
30619	ENSG00000258358		29897.3	0.02					
30626	ENSG00000241380		29901.4	0.02					
30639	ENSG00000260725		29913.6	0.02					
30641	ENSG00000273363		29915.1	0.02					
30644	ENSG00000259799		29920.1	0.02					
30654	ENSG00000272823		29926	0.02					
30667	ENSG00000262412		29940.5	0.02					
30673	ENSG00000228843		29945.6	0.02					
30674	ENSG00000259944		29946.9	0.02					
30676	ENSG00000202487		29949	0.02	10	128606376	128609472		Y RNA
30685	ENSG00000252007		29956.3	0.02					
30700	ENSG00000230007		29973.7	0.02					
30717	ENSG00000113644		29984.6	0.02					
30721	ENSG00000271456		29997	0.02					
30728	ENSG00000211768		29999.4	0.02					
30743	ENSG00000261423		29923.5	0.02					
30754	ENSG00000269430		29934.4	0.02	21	45879814	45882078		LRRC3 downstream neighbor (non-protein coding)
30761	ENSG00000250588		29948.6	0.02					
30775	ENSG00000270322		29957.3	0.02					
30796	ENSG00000272719		29972.7	0.02					
30798	ENSG00000265653		29973.1	0.02					
30804	ENSG00000232605		29980.9	0.02					
30807	ENSG00000254028		29983.7	0.02					
30820	ENSG00000233431		29987.3	0.02					
30842	ENSG00000253340		29911.9	0.02					
30847	ENSG00000258437		29921.8	0.02					
30855	ENSG00000260488		29927.7	0.02					
30857	ENSG00000232013		29931.1	0.02	3	145782358	145784156		HCG179659; PRO2533, Uncharacterized protein
30866	ENSG00000227337		29941.3	0.02					
30882	ENSG00000250999		29959.3	0.02					
30902	ENSG00000202712		29971.6	0.02					
30909	ENSG00000234134		29975.2	0.02					
30912	ENSG00000246971		29976.6	0.02					
30914	ENSG00000230803		29977.1	0.02					
30956	ENSG00000267504		29936.7	0.02					
30966	ENSG00000252532		29938.3	0.02					
30966	ENSG00000261488		29936	0.02					
30969	ENSG00000272121		29921.5	0.02					
30972	ENSG00000276906		29925.4	0.02					
30980	ENSG00000226490		29920.8	0.02					
31004	ENSG00000262119		29955.3	0.02					
31008	ENSG00000272223		29958.4	0.02					
31013	ENSG00000267729		29991.5	0.02					
31020	ENSG00000228819		29986.3	0.02					
31026	ENSG00000253414		29999.2	0.02					
31037	ENSG00000271199		29971.4	0.02					
31043	ENSG00000273167		29982.6	0.02					
31054	ENSG00000213547		29992.7	0.02					
31066	ENSG00000243360		29994.4	0.02					
31078	ENSG00000258210		29912	0.02					
31091	ENSG00000261159		29921.4	0.02					
31093	ENSG00000226984		29922.7	0.02					
31098	ENSG00000253459		29928	0.02	14	50064193	50065882		Full-length cDNA clone CS00K012Y009 of HeLa cells of Homo sapiens (human); Uncharacterized protein
31100	ENSG00000256001		29929.5	0.02					
31126	ENSG00000247372		29949.3	0.02					
31134	ENSG00000268964		29939	0.02					
31163	ENSG00000261238		29987.8	0.02					
31166	ENSG00000234962		29991	0.02					
31177	ENSG00000272954		29940.3	0.02					
31201	ENSG0000021439		29924	0.02					
31223	ENSG00000257023		29943.6	0.02					
31224	ENSG00000265749		29944.1	0.02					
31238	ENSG00000259428		29953.8	0.02					
31265	ENSG00000231386		29981.7	0.02					
31268	ENSG00000232559		29985.4	0.02					
31287	ENSG00000236689		29993.3	0.02					
31288	ENSG00000265747		29992.6	0.02	19	11344419	11344674		RNA, 7SL, cytoplasmic 298, pseudogene
31290	ENSG00000238824		29993.8	0.02	9	140017961	140018090		Small nuclear RNA U13
31301	ENSG00000259989		29991.2	0.02					
31341	ENSG00000259983		29983.4	0.02					
31343	ENSG00000228848		29987.2	0.02					
31348	ENSG00000231294		29989.4	0.02					
31352	ENSG00000268927		29971.6	0.02					
31360	ENSG00000248430		29979.3	0.02					
31362	ENSG00000216021		29982.4	0.02					
31367	ENSG00000261111		29987.6	0.02					
31374	ENSG00000248805		29993.6	0.02					
31388	ENSG00000269947		29994.3	0.02					
31399	ENSG00000255356		29920.4	0.02					
31409	ENSG00000257042		29827	0.02					
31410	ENSG00000113285		29831.1	0.02					
31416	ENSG00000259483		29834.5	0.02					
31428	ENSG00000184084		29846.3	0.02					
31459	ENSG00000269988		29873.2	0.02					
31464	ENSG00000220771		29875.6	0.02					
31468	ENSG00000271778		29881.8	0.02					
31489	ENSG00000250835		29896.3	0.02					
31503	ENSG00000219522		29784.4	0.02					
31537	ENSG00000257138		29740	0.02					
31554	ENSG00000247934		29753.8	0.02					
31567	ENSG00000249494		29781.3	0.02					
31591	ENSG00000267730		29785.6	0.02					
31611	ENSG00000272432		29809.9	0.02					
31638	ENSG00000255337		29826.6	0.02					
31640	ENSG00000234695		29827.8	0.02					

31231	ENSG00000268388	FENDRR	28450	0.01	lincRNA	8658135	8654207	FOXF1 adjacent non-coding developmental regulatory RNA
31465	ENSG00000267081		28527	0.01	lincRNA	28527	28527	long intergenic non-protein coding RNA 543
31714	ENSG00000255962	LINC00481	29900	0.01	lincRNA	51094490	102007263	long intergenic non-protein coding RNA 431
31983	ENSG0000023404	LINC00397	30171	0.01	lincRNA	88453291	88456063	long intergenic non-protein coding RNA 397
32017	ENSG00000276941	SRK	30202	0.01	lincRNA	73012049	73012049	TSS1 transcript, XIST antisense RNA
32099	ENSG00000232221	LINC00187	30745	0.01	lincRNA	12981283	12981283	long intergenic non-protein coding RNA 187
32381	ENSG00000251015		30747	0.01	lincRNA	45992297	45994506	SLC25A30 antisense RNA 1
32401	ENSG00000196421	LINC01076	30748	0.01	lincRNA	60669997	60671315	long intergenic non-protein coding RNA 176
32592	ENSG00000227060	LINC00511	30749	0.01	lincRNA	133684003	133684003	long intergenic non-protein coding RNA 511
32748	ENSG00000266928	LINC00888	30755	0.01	lincRNA	19746296	19746296	long intergenic non-protein coding RNA 629
32844	ENSG00000248131	BCYRN1	31257	0.01	lincRNA	47591899	47571698	lincRNA transcript, antisense 886
33033	ENSG00000226824	EIF3A1	32399	0.01	lincRNA	15481925	15481925	long intergenic non-protein coding RNA 886
34223	ENSG00000202764	MIR628	31214	0.01	miRNA	12574869	12584475	antisense 49 (non-protein coding)
9834	ENSG00000202764	MIR628	31214	0.01	miRNA	12574869	12584475	antisense 49 (non-protein coding)
14234	ENSG000002024473	MIR325	15653	0.01	miRNA	18324334	18324311	brain cytoplasmic RNA
20386	ENSG00000253008	MIR325	22566	0.01	miRNA	44819265	44820211	EIF3 antisense RNA 1 (read to head)
24751	ENSG00000188997	MIR107	23774	0.01	miRNA	91352500	91352586	microRNA 628
24841	ENSG000002017620	MIR545	23865	0.01	miRNA	73509399	73507044	has-mi-4538
29912	ENSG00000211533	MIR1272	24731	0.01	miRNA	92565086	92564714	microRNA 2265
26002	ENSG000002021406	MIR3202	24801	0.01	miRNA	22444706	22444483	microRNA 107
26792	ENSG00000199188	MIR374A	25482	0.01	miRNA	73507121	73507192	microRNA 545
27883	ENSG00000204173	MIR1175	25738	0.01	miRNA	63447629	63447629	microRNA 1972
27487	ENSG00000198132	MIR450A1	26077	0.01	miRNA	13367431	13367445	microRNA 320b-2
27593	ENSG00000198992	MIR410	26149	0.01	miRNA	10153249	10153228	microRNA 376a
27744	ENSG00000201922	MIR593	26394	0.01	miRNA	15330349	15330349	microRNA 3775
28451	ENSG00000264884	MIR3613	27872	0.01	miRNA	5057051	5057057	microRNA 450a-1
28637	ENSG00000203540	MIR582	28362	0.01	miRNA	82117765	82117747	microRNA 410
30348	ENSG000002017663	MIR582	28362	0.01	miRNA	82117765	82117747	microRNA 363
31677	ENSG00000203867	MIR4516	28683	0.01	miRNA	2183120	2183205	microRNA 9813
31857	ENSG000002017656	MIR579	30052	0.01	miRNA	51234484	51234581	microRNA 5882
31872	ENSG00000214555	MIR582	30052	0.01	miRNA	2858528	2858528	microRNA 451b
32190	ENSG00000203583	MIR4522	30323	0.01	miRNA	25620936	25621022	microRNA 451b
32338	ENSG00000204408	MIR4740	30720	0.01	miRNA	62673747	62673718	microRNA 4522
32385	ENSG00000203033	MIR582	30052	0.01	miRNA	10549393	10549393	microRNA 4470
33376	ENSG00000203597	MIR9306	31514	0.01	miRNA	131701182	131701191	microRNA 4721
28281	ENSG00000202008		22203	0.01	misc. RNA	2	202288236	Y RNA
28468	ENSG00000201923		26101	0.01	misc. RNA	7	14289569	RNA 75L cytoplasmic 481 pseudogene
27918	ENSG00000222337		26138	0.01	misc. RNA	10	102049304	RNA 75K small nuclear pseudogene 225
28433	ENSG00000243883		26912	0.01	misc. RNA	4	15432879	RNA 75L cytoplasmic 419 pseudogene
28558	ENSG000002017604		27027	0.01	misc. RNA	5	1862327	RNA 75L cytoplasmic 419 pseudogene
28837	ENSG00000243960		27106	0.01	misc. RNA	19	4719056	RNA 75L cytoplasmic 364 pseudogene
28882	ENSG00000243951		27146	0.01	misc. RNA	8	8188801	RNA 75L cytoplasmic 368 pseudogene
29721	ENSG00000202273		27199	0.01	misc. RNA	7	6252297	Y RNA
29811	ENSG00000202961		27284	0.01	misc. RNA	12	12084274	Y RNA
29837	ENSG00000202728		27849	0.01	misc. RNA	8	38601538	Y RNA
29790	ENSG00000201915		28134	0.01	misc. RNA	8	10197011	RNA 75L cytoplasmic 665 pseudogene
30055	ENSG00000201915		28134	0.01	misc. RNA	8	8500068	RNA 75L cytoplasmic 665 pseudogene
30082	ENSG00000203999		28979	0.01	misc. RNA	3	13932947	RNA 75K small nuclear pseudogene 124
30087	ENSG00000204275		29148	0.01	misc. RNA	20	38918922	RNA 75L cytoplasmic 615 pseudogene
30923	ENSG00000240264		29183	0.01	misc. RNA	3	20319815	RNA 75L cytoplasmic 751 pseudogene
31149	ENSG000002044710		29374	0.01	misc. RNA	6	10871290	RNA 75L cytoplasmic 47 pseudogene
31314	ENSG00000202389		29624	0.01	misc. RNA	1	88734541	RNA 75L cytoplasmic 47 pseudogene
31388	ENSG00000198400		29814	0.01	misc. RNA	2	23092245	RNA 75L cytoplasmic 47 pseudogene
31405	ENSG00000202907		29823	0.01	misc. RNA	20	5094839	RNA 75L cytoplasmic 47 pseudogene
31491	ENSG00000212369		29826	0.01	misc. RNA	6	51108292	RNA 75L cytoplasmic 47 pseudogene
31513	ENSG00000240938		29912	0.01	misc. RNA	6	6588385	RNA 75L cytoplasmic 554 pseudogene
31573	ENSG00000240938		29912	0.01	misc. RNA	6	6588385	RNA 75L cytoplasmic 554 pseudogene
31766	ENSG000002017628		29986	0.01	misc. RNA	12	12306619	RNA 75L cytoplasmic 564 pseudogene
31852	ENSG00000222969		30047	0.01	misc. RNA	13	9885089	RNA 75K small nuclear pseudogene 2
31987	ENSG00000202318		30176	0.01	misc. RNA	12	6343511	Y RNA
31997	ENSG00000201916		30178	0.01	misc. RNA	12	6433362	Y RNA
32072	ENSG00000201868		30264	0.01	misc. RNA	1	35661570	Y RNA
32096	ENSG00000199420		30292	0.01	misc. RNA	4	15095391	RNA 75K small nuclear pseudogene 170
32371	ENSG00000201198		30511	0.01	misc. RNA	10	4098132	RNA 75K small nuclear pseudogene 170
32396	ENSG00000240457		30561	0.01	misc. RNA	14	10254350	RNA 75L cytoplasmic 472 pseudogene
32802	ENSG00000208813		30671	0.01	misc. RNA	3	152917491	RNA 75L cytoplasmic 300 pseudogene
32921	ENSG00000211553		31088	0.01	misc. RNA	1	1174868	RNA 75L cytoplasmic 300 pseudogene
34013	ENSG00000203432		31777	0.01	misc. RNA	5	12235814	RNA 75L cytoplasmic 685 pseudogene
28302	ENSG00000208806		27389	0.01	polymorphic pseudogene	14	20697591	olfactory receptor family 11, subfamily H, member 7 (genepseudogene)
30388	ENSG00000202953	IFNL4	27727	0.01	polymorphic pseudogene	92	987199	interferon lambda 4 (pseudogene)
14376	ENSG00000202187		15758	0.01	processed pseudogene	13	23270152	keratin, heavy polypeptide 1 pseudogene 7
15412	ENSG00000203574	RPS1A	16854	0.01	processed pseudogene	6	74088381	ribosomal protein L34 pseudogene 3
15688	ENSG00000203574	RPS1A	16854	0.01	processed pseudogene	6	74088381	ribosomal protein S3 pseudogene 8
15744	ENSG00000244363		16811	0.01	processed pseudogene	5	78979158	ribosomal protein L7 pseudogene 23
16512	ENSG00000138239		17404	0.01	processed pseudogene	12	63359095	ribosomal protein L14 pseudogene 1
16863	ENSG00000204560		17531	0.01	processed pseudogene	18	2969518	heterogeneous nuclear ribonucleoprotein A1 pseudogene 7
17852	ENSG00000184100		19230	0.01	processed pseudogene	3	15981878	heterogeneous nuclear ribonucleoprotein C pseudogene 2
17788	ENSG00000204253		19345	0.01	processed pseudogene	2	19078062	ribosomal L2 domain containing 1 pseudogene 1
18001	ENSG00000201920		19439	0.01	processed pseudogene	8	2713829	ribosomal protein L5 pseudogene 4
18685	ENSG00000229994		19906	0.01	processed pseudogene	1	3581623	ribosomal protein L5 pseudogene 4
18786	ENSG00000202054		19976	0.01	processed pseudogene	21	37502699	mediator of cell motility 1 pseudogene 1
18842	ENSG00000234518		19131	0.01	processed pseudogene	1	8959966	prostaglandin G synthase 3 (cytosolic) pseudogene 1
18914	ENSG00000201920		19134	0.01	processed pseudogene	10	32914502	ribosomal protein S4 pseudogene 11
19384	ENSG00000227203		19563	0.01	processed pseudogene	8	11647514	UBP1 pseudogene 1
21487	ENSG00000202652		21185	0.01	processed pseudogene	1	6691429	eukaryotic translation elongation factor 1 alpha 1 pseudogene 11
21647	ENSG000002042100	LINC01000	21558	0.01	processed pseudogene	1	131025	capica transmembrane receptor pseudogene 27
23144	ENSG000002042100	LINC01000	22455	0.01	processed pseudogene	19	30447895	ribosomal protein L9 pseudogene 32
23217	ENSG000002042100	LINC01000	22503	0.01	processed pseudogene	3	22250307	mitochondrial inner membrane organizing system 1 pseudogene 3
24472	ENSG00000202924		23104	0.01	processed pseudogene	4	113606211	eukaryotic translation elongation factor 1 alpha 1 pseudogene 16
24782	ENSG00000202925		23808	0.01	processed pseudogene	4	33333320	oligosaccharyltransferase complex subunit pseudogene 4
24874	ENSG00000242083		23888	0.01	processed pseudogene	4	57223201	phosphoglucomutase 1 pseudogene 8
25069	ENSG00000203483		24442	0.01	processed pseudogene	8	1566389	ribosomal protein L7a pseudogene 31
26666	ENSG000002017643		25069	0.01	processed pseudogene	8	83383344	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent 1A, pseudogene 1
27345	ENSG000002017643		25069	0.01	processed pseudogene	2	26045338	protein kinase cholesteryl ester transfer protein pseudogene 4
27734	ENSG00000204161		26275	0.01	processed pseudogene	18	57429170	prostaglandin F synthase 3 (cytosolic) pseudogene 2
27862	ENSG00000203209		26303	0.01	processed pseudogene	8	28615623	ribosomal protein S26 pseudogene 54
28028	ENSG00000203453		26350	0.01	processed pseudogene	1	223119027	guanine nucleotide pseudogene 2
28031	ENSG00000202990		26350	0.01	processed pseudogene	20	5899454	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 pseudogene 2
28181	ENSG00000217447		27818	0.01	processed pseudogene	20	27824450	MT-CC2 pseudogene 1
28175	ENSG00000241388		26676	0.01	processed pseudogene	14	57445127	chitinase 3-like 3 pseudogene 1
28295	ENSG000002027671		26762	0.01	processed pseudogene	1	22404281	ribosomal protein L3 pseudogene 3
28407	ENSG000002017628		26933	0.01	processed pseudogene	3	48352062	prohibitin pseudogene 11
28672	ENSG00000242882		27139	0.01	processed pseudogene	4	17430396	ribosomal protein L5 pseudogene 11
28703	ENSG000002027882		27181	0.01	processed pseudogene	10	7884906	ribosomal protein L5 pseudogene 11
29034	ENSG00000202656		27386	0.01	processed pseudogene	21	3058669	glycidylglycyl isomerase A (cyclophilin A) pseudogene 13
28942	ENSG00000228509		27599	0.01	processed pseudogene	4	13374187	peptidylglycine 3-phosphate dehydrogenase pseudogene 14
28988	ENSG00000202315		27439	0.01				

30766	ENSG00000201537	29047	2	0.01	processed_pseudogene	1	27144804	27144900	eukaryotic translation elongation factor 1 alpha 1 pseudogene 38
30772	ENSG00000201538	29049	3	0.01	processed_pseudogene	1	12381007	12381010	ribosomal protein L7 pseudogene 15
30670	ENSG00000201555	29145	5	0.01	processed_pseudogene	10	12040372	12040373	translocase of outer mitochondrial membrane 22 homolog (yeast) pseudogene 5
30932	ENSG00000216439	29190	9	0.01	processed_pseudogene	6	86136375	86136383	deoxyribonuclease triphosphatase pseudogene 5
31008	ENSG00000201602	29256	0.01	processed_pseudogene	13	7626292	7626333	family with sequence similarity 204, member C, pseudogene	
11022	ENSG00000201198	29297	6	0.01	processed_pseudogene	13	3252417	3252418	ribosomal protein S24 pseudogene 13
31057	ENSG00000201797	29295	22	0.01	processed_pseudogene	22	31292626	31292628	eukaryotic translation initiation factor 4H1 pseudogene 2
31085	ENSG00000004803	29312	0.01	processed_pseudogene	6	5084996	5085275	ribosomal protein S17 pseudogene 5	
31074	ENSG00000201628	29311	0.01	processed_pseudogene	2	12685248	12685258	mitochondrial ribosomal protein S21 pseudogene 6	
31097	ENSG00000202593	29327	2	0.01	processed_pseudogene	2	2530279	2530280	succinate CoA ligase, ADP-forming, beta subunit pseudogene 3
31251	ENSG00000201198	29372	21	0.01	processed_pseudogene	21	2099159	2099162	ribosomal protein L37 pseudogene 4
31336	ENSG00000201628	29374	2	0.01	processed_pseudogene	2	12685248	12685249	mitochondrial ribosomal protein L35 pseudogene 4
31394	ENSG00000202137	29612	0.01	processed_pseudogene	12	121031818	121032151	ribosomal protein L11 pseudogene 5	
31442	ENSG00000202741	29660	0.01	processed_pseudogene	15	162011122	162011128	ubiquitin-cytochrome c reductase binding protein pseudogene 2	
31466	ENSG00000200491	29692	0.01	processed_pseudogene	11	8146380	8146381	acidic leucine-rich nuclear phosphoprotein 32 family, member B pseudogene 3	
31524	ENSG00000202342	29725	7	0.01	processed_pseudogene	7	6339344	6337031	NMD5 ribosome export adaptor pseudogene 1
31617	ENSG00000202086	29813	2	0.01	processed_pseudogene	6	1394926	1394987	mitochondrial ribosomal protein L35 pseudogene 1
31631	ENSG00000201444	29829	9	0.01	processed_pseudogene	2	39724678	39725142	ribosomal protein S11 pseudogene 7
31690	ENSG00000218890	29884	0.01	processed_pseudogene	6	2672421	2672768	histone cluster 1, H2a, pseudogene 4	
31781	ENSG00000201503	29973	5	0.01	processed_pseudogene	6	7481327	7482827	heterogeneous nuclear ribonucleoprotein L pseudogene 1
31793	ENSG00000201521	29971	1	0.01	processed_pseudogene	2	22012336	22012338	ubiquitin A-N2 residue ribosomal protein l10n pseudogene 6
31803	ENSG00000204856	29963	0.01	processed_pseudogene	4	125384018	125384018	trans-2-enooyl-CoA reductase pseudogene 2	
31800	ENSG00000201529	30014	2	0.01	processed_pseudogene	3	18374157	18374554	eukaryotic translation elongation factor 1 alpha 1 pseudogene 8
31836	ENSG00000200013	30031	0.01	processed_pseudogene	16	5879805	5879805	actinoporin O pseudogene 5	
31865	ENSG00000201793	30056	1	0.01	processed_pseudogene	X	15292871	15292817	ribosomal protein L18a pseudogene 16
31867	ENSG00000201403	30057	5	0.01	processed_pseudogene	13	27151023	27151812	ribosomal protein S3a pseudogene 44
31928	ENSG00000200103	30153	0.01	processed_pseudogene	5	96387624	96388301	mitochondrially encoded ATP synthase 8 pseudogene 2	
31943	ENSG00000202676	30151	0.01	processed_pseudogene	1	57004124	57004123	ribosomal protein L21 pseudogene 23	
32032	ENSG00000202444	30214	7	0.01	processed_pseudogene	13	31002084	31002086	ubiquitin-conjugating enzyme E2L 5 (pseudogene)
32056	ENSG00000201910	30232	0.01	processed_pseudogene	10	5268286	5268286	phosphocarnitine transferase 1 pseudogene 1	
32068	ENSG00000202573	30238	9	0.01	processed_pseudogene	18	2954211	29543581	phosphogluconate dehydrogenase pseudogene 1
32179	ENSG00000201737	30369	1	0.01	processed_pseudogene	1	240175946	24017628	ribosomal protein S7 pseudogene 5
32265	ENSG00000201550	30497	7	0.01	processed_pseudogene	12	6902014	6902014	keratin 8 pseudogene 3
32312	ENSG00000204075	30481	0.01	processed_pseudogene	3	11363009	11363007	VPS29A pseudogene 1	
32365	ENSG00000202203	30537	1	0.01	processed_pseudogene	9	31253899	31254775	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 6 pseudogene 1
32492	ENSG00000201735	30576	6	0.01	processed_pseudogene	17	7684205	7684290	ribosomal protein L9 pseudogene 29
32529	ENSG00000202379	30713	3	0.01	processed_pseudogene	13	90823120	90823120	fatty acyl-CoA reductase 1 pseudogene 13
32611	ENSG00000201533	30734	0.01	processed_pseudogene	10	69841074	69841074	PRK3, apoptosis, W11, regulator pseudogene 1	
32738	ENSG00000202549	30914	5	0.01	processed_pseudogene	X	13852050	13852045	steroid-5-alpha-reductase, alpha-polyketide 1 pseudogene 1 (3-oxo-5-alpha-steroid delta 4-dihydrogenase) alpha pseudogene 1
32806	ENSG00000201722	30973	8	0.01	processed_pseudogene	8	12808558	12809755	prostate cancer associated noncoding RNA 1
32832	ENSG00000201345	31001	0.01	processed_pseudogene	6	4269472	4269458	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit 3 pseudogene 3	
32884	ENSG00000202813	31051	7	0.01	processed_pseudogene	X	6298755	6298720	basic transcription factor 3 pseudogene 8
32881	ENSG00000201434	31052	0.01	processed_pseudogene	10	50969108	50969108	nucleolar protein interacting with the PNA domain of MN07 pseudogene 1	
32951	ENSG00000202655	31213	3	0.01	processed_pseudogene	5	16756278	16756278	16756278
34454	ENSG00000176933	32634	0.01	processed_pseudogene	6	28185421	28186655	transducer of ERBB2, 2 pseudogene 1	
34535	ENSG00000200469	32713	0.01	processed_pseudogene	13	23409797	23409802	nuclear uncap(ing) pyrophosphatase synthase 1 homolog (S. cerevisiae) pseudogene 2	
36822	ENSG00000180448	32733	0.01	processed_pseudogene	13	15004890	15004890	long interspersed non-protein coding RNA 1009	
30988	ENSG00000215256	29221	4	0.01	processed_transcript	14	24407340	24405048	DHRS4-AS1
31726	ENSG00000202789	29929	0.01	processed_transcript	8	1221952	1222010	family with sequence similarity 86, member A	
32008	ENSG00000201296	30011	0.01	processed_transcript	2	17479797	17479797	NAALADL3 antisense RNA 3	
32440	ENSG00000201711	30659	0.01	processed_transcript	22	4643787	4644073	long interspersed non-protein coding RNA 899	
32763	ENSG00000204899	30711	0.01	processed_transcript	8	12899779	12911349	Pvt1 oncogene (non-protein coding)	
33016	ENSG00000181796	30914	0.01	processed_transcript	10	23231137	23231137	long interspersed non-protein coding RNA 671	
7652	ENSG00000191249	11886	0.01	protein_coding	4	10004408	10007849	alcohol dehydrogenase 4 (class II), pi polypeptide	
7894	ENSG00000192426	11927	0.01	protein_coding	14	94843084	94857030	serpin peptidase inhibitor, class A (alpha-1-antitrypsin, antitrypsin), member 1	
8467	ENSG00000109181	11125	0.01	protein_coding	6	6969181	6969181	cytochrome P450 family 4, subfamily 9, polypeptide 5	
8659	ENSG00000162078	12316	0.01	protein_coding	16	6988171	6988171	UDP-glucuronosyltransferase 2 family, polypeptide B10	
8699	ENSG00000162462	11852	0.01	protein_coding	16	5745945	5745945	symyx granule protein 10B	
8866	ENSG00000136881	11433	0.01	protein_coding	9	10412699	10414580	hydroxymethylglutaryl-CoA lyase pseudogene 6	
9427	ENSG00000137486	11880	0.01	protein_coding	11	7497526	7502873	bile acid CoA: amino N-acyltransferase (glycine N-cholyltransferase)	
9319	ENSG00000106993	11433	0.01	protein_coding	22	3002228	3002228	arsinin, beta 1	
10478	ENSG00000182333	12717	0.01	protein_coding	10	90424198	9043871	arsinin, alpha 1	
10528	ENSG00000181758	12732	0.01	protein_coding	4	10071524	10021218	lipase, gastric	
10564	ENSG00000181758	12732	0.01	protein_coding	4	10071524	10021218	alcohol dehydrogenase 1A (class I), alpha polypeptide	
10774	ENSG00000134538	12964	0.01	protein_coding	12	21284136	21286180	serpin peptidase inhibitor, clade B (chitinase collectin), member 1	
10906	ENSG00000134240	13077	0.01	protein_coding	1	12002910	12011128	solute carrier organic anion transporter family, member 1B1	
11008	ENSG00000106957	11886	0.01	protein_coding	14	74341	74341	3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial)	
11354	ENSG00000172395	13443	0.01	protein_coding	4	10012376	10014094	alcohol dehydrogenase B (class V)	
11368	ENSG00000136889	13457	0.01	protein_coding	2	113894791	113891593	interferon 1 receptor antagonist	
11494	ENSG00000101581	13458	0.01	protein_coding	1	170071	170071	solute carrier family 2 (facilitated glucose transporter), member 2	
11726	ENSG00000085548	13768	0.01	protein_coding	19	4225485	4227613	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)	
12317	ENSG00000188878	14220	0.01	protein_coding	2	8988437	8988964	surfactant protein B	
12430	ENSG00000101581	14230	0.01	protein_coding	2	8701383	8701383	chitinase channel accessory 4	
12964	ENSG00000172005	14407	0.01	protein_coding	2	9950422	99519737	mal-, T-cell differentiation protein	
12623	ENSG00000170303	14450	0.01	protein_coding	6	180542621	180579730	solute carrier family 12 (organic cation transporter), member 1	
12748	ENSG00000084674	14450	0.01	protein_coding	6	17221	210294945	210294945	
12833	ENSG00000105929	14405	0.01	protein_coding	7	93550074	93633884	Bett1 golgi vesicular membrane trafficking protein	
13088	ENSG00000117372	14779	0.01	protein_coding	5	17247070	17246248	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1	
13128	ENSG00000101528	14812	0.01	protein_coding	7	70981	70981	cantharidin 9-O-methyltransferase 1, subcomponent	
13134	ENSG00000090988	14814	0.01	protein_coding	6	41704449	41721847	progastrin (progastrin C)	
13204	ENSG00000189377	14872	0.01	protein_coding	19	4292240	4294720	chemokine (C-X-C motif) ligand 17	
13281	ENSG00000182367	14938	0.01	protein_coding	8	47691969	47691969	T cell acute lymphocytic leukemia	
13334	ENSG00000184530	14973	0.01	protein_coding	6	12780060	12780060	chromosome 8 open reading frame 58	
13446	ENSG00000135046	15059	0.01	protein_coding	9	7576673	7578530	annexin A1	
13560	ENSG00000165017	15142	0.01	protein_coding	2	7419441	7414992	actin, gamma 2, smooth muscle, enteric	
13614	ENSG00000154446	15104	0.01	protein_coding	2	89225042	89225042	unc-29, Drosophila (C. elegans)	
13835	ENSG00000146346	15200	0.01	protein_coding	9	13091130	13091574	lipocalin 2	
13961	ENSG00000181908	15245	0.01	protein_coding	10	12430181	12430252	deleted in malignant brain tumors 1	
13710	ENSG00000181908	15245	0.01	protein_coding	10	12430181	12430252	deleted in malignant brain tumors 1	
13713	ENSG00000186074	15260	0.01	protein_coding	7	13421244	13426180	aldo-keto reductase family 1, member B10 (aldose reductase)	
13716	ENSG00000131471	15262	0.01	protein_coding	7	41001207	41010147	amine oxidase, copper containing 3	
14056	ENSG00000195146	15716	0.01	protein_coding	22	8736511	8736511	lysine 61 phosphatase 1	
14189	ENSG00000201395	15741	0.01	protein_coding	6	5265462	5268870	glutathione S-transferase alpha 1	
14379	ENSG00000188899	15781	0.01	protein_coding	2	85911531	8592053	vesicle-associated membrane protein 5	
14424	ENSG00000190300	15784	0.01	protein_coding	4	4346750	4346750	translocator protein 1 (LOC4)	
14430	ENSG00000168884	15799	0.01	protein_coding	4	274375	2758103	TNFAIP3 interacting protein 2	
14459	ENSG00000199518	15826	0.01	protein_coding	17	4849474	4852366	profilin 1	
14460	ENSG00000171002	15823	0.01	protein_coding	12	12651269	12651269	muslin 13, cell surface associated	
14859	ENSG00000162444	16133	0.01	protein_coding	1	10052764	10070678	muslin 13, cell surface associated 7, cellular	
15036	ENSG								

18040	ENSG00000153448	C16orf89	18530.4	0.01	protein_coding	16	5094123	5116111	chromosome 16 open reading frame 89
18050	ENSG00000153772	TRF3	18617.9	0.01	protein_coding	13	8913338	9003338	serine/threonine kinase 24
18068	ENSG00000148447	WTAP	18964.2	0.01	protein_coding	6	160146617	160173351	Wilm's tumor 1-associated protein
18119	ENSG00000151882	CLL2L	18991.3	0.01	protein_coding	5	4337647	43412493	chemokine (C-C motif) ligand 28
18147	ENSG00000186797	FAM88A	18917.4	0.01	protein_coding	15	52497328	52497328	family with sequence similarity 96, member A
18220	ENSG00000152669	EXOC2	18917.4	0.01	protein_coding	8	3752953	37531750	exosome component 2
18268	ENSG00000158197	KCNE2	18703.8	0.01	protein_coding	21	35736323	35743688	potassium voltage-gated channel, lik-related family, member 2
18316	ENSG00000160756	PABPC1	18736.4	0.01	protein_coding	8	10168844	101735037	poly(A) binding protein, cytoplasmic 1
18371	ENSG00000150963	TRAF3	18875.1	0.01	protein_coding	3	4888262	4888262	transcription factor binding to NF-kB enhancer 3
18438	ENSG00000181374	COL13	18831.4	0.01	protein_coding	17	32883471	32885623	chemokine (C-C motif) ligand 13
18501	ENSG00000120795	PLS1	18875.1	0.01	protein_coding	3	142315229	14242568	plasma membrane protein
18602	ENSG00000152329	BMPT1	18978.4	0.01	protein_coding	3	10261928	10261928	transcription factor binding to E2F1 enhancer 3
18639	ENSG00000141452	C16orf8	18874.1	0.01	protein_coding	18	21083473	21111746	chromosome 16 open reading frame 8
18655	ENSG00000143824	CXCL14	18883.1	0.01	protein_coding	5	13495673	134914889	chemokine (C-X-C motif) ligand 14
18676	ENSG00000155584	ILIR1	19000.4	0.01	protein_coding	2	10281904	10279634	interleukin 1 receptor, type 1
18743	ENSG00000120129	DUSP1	19053.4	0.01	protein_coding	5	172185003	172198198	dual specificity phosphatase 1
18771	ENSG00000135506	OSR	19017.2	0.01	protein_coding	12	38087738	38115340	osteosarcoma amplified 8, endoplasmic reticulum lectin domain 1
18818	ENSG00000107938	RPL22	19108.6	0.01	protein_coding	2	21869452	218697718	ribosomal protein L22
18825	ENSG00000116251	RPL22	19109.8	0.01	protein_coding	1	6241292	6269449	ribosomal protein L22
18852	ENSG00000181703	HSPB11	19142.6	0.01	protein_coding	1	54324427	54411602	heat shock protein family B (small), member 11
18880	ENSG00000152328	MTM1	19175.8	0.01	protein_coding	16	56703236	56725241	metallothionein 1H
18901	ENSG00000116685	KIAA2013	19181.7	0.01	protein_coding	1	11978648	11986485	KIAA2013
18948	ENSG00000109219	HNRPCC	19225.9	0.01	protein_coding	14	21677295	21737653	heterogeneous nuclear ribonucleoprotein C (C1/C2)
19025	ENSG00000146609	SLF	19296	0.01	protein_coding	5	15982668	159848178	SLIT1 signaling factor homolog (S. cerevisiae)
19079	ENSG00000147471	PRORC	19327.1	0.01	protein_coding	8	37621283	37637283	protein synthetase co-transcribed homolog (bacterial)
19091	ENSG00000106970	TGFB3	19335.2	0.01	protein_coding	1	92149922	92217892	transforming growth factor, beta receptor III
19177	ENSG00000145925	CYPLA2	19398	0.01	protein_coding	15	75041185	75045453	cytochrome P450, family 1, subfamily A, polypeptide 2
19192	ENSG000001025169	SMIM1	19406.3	0.01	protein_coding	1	3888552	3892546	small integral membrane protein 1 (Vsl blood group)
19210	ENSG00000132824	SERINC3	19424.9	0.01	protein_coding	20	42142882	42150759	serine incorporator 3
19262	ENSG00000156264	SLMO1	19501.4	0.01	protein_coding	3	23471085	23471085	interleukin 6 receptor 2 binding protein 2
19314	ENSG00000155775	FUNDC2	19501.4	0.01	protein_coding	8	154254255	154285878	FUN1 domain containing 2
19331	ENSG00000102702	ZNF223	19519.5	0.01	protein_coding	19	44529596	44591471	Zinc finger protein 223
19358	ENSG00000155534	USF2	19548.2	0.01	protein_coding	8	4151788	4151788	myc-1, erythrocytic
19376	ENSG00000105689	USF2	19548.2	0.01	protein_coding	19	3575881	35770724	upstream transcription factor 2, c-fos interacting
19400	ENSG00000188860	TSEN15	19567.7	0.01	protein_coding	1	184020811	184433438	TSEN15 RNA splicing endonuclease subunit
19415	ENSG00000168118	TRAF1	19567.7	0.01	protein_coding	13	1325818	1325818	trans domain family 1, member 13 (NOD1)
19443	ENSG000001095485	CWF19L1	19569.7	0.01	protein_coding	10	101992055	102027437	CWF19-like 1, cell cycle control (S. pombe)
19479	ENSG00000131931	THAP1	19697.3	0.01	protein_coding	8	42691817	42698488	THAP domain containing, apoptosis associated protein 1
19510	ENSG00000137698	IFIT	19701.1	0.01	protein_coding	11	16098191	16098191	IFIT1 isoform
19615	ENSG00000186333	ILK	19726.4	0.01	protein_coding	11	6624961	6632102	integrin-linked kinase
19687	ENSG00000141401	IMPAA2	19780.4	0.01	protein_coding	18	11981024	12030876	inositol(1-myo)-[1-alpha-D-mannosyl]phosphate 2
19714	ENSG00000155581	CHMP3	19805	0.01	protein_coding	3	8973885	8973885	charged multivesicular body protein 3
19745	ENSG00000185950	ZFP96L1	19828	0.01	protein_coding	14	6925417	69255190	ZFP96-like 1, zinc finger protein-like 1
19828	ENSG00000116209	TMEM49	19900.2	0.01	protein_coding	1	54497347	54519717	transmembrane protein 59
20028	ENSG00000124783	SRR1	20033.8	0.01	protein_coding	6	7296339	7307679	signal sequence receptor, alpha
20014	ENSG00000152925	SEK1	20037.2	0.01	protein_coding	6	18264989	18265543	ERK signaling oncogene
20055	ENSG000001090104	RGS1	20055.6	0.01	protein_coding	1	19254487	192549101	regulator of G-protein signaling 1
20060	ENSG00000101154	UTCA	20073	0.01	protein_coding	9	116595049	116595049	UDP-glucose ceramide glucosyltransferase
20070	ENSG00000178911	TUFT1	20073.6	0.01	protein_coding	5	140980957	140980957	TAF1 RNA polymerase II, TAF1A binding protein (BFP) associated factor, 55kDa
20078	ENSG000001066308	OTUD5	20087.3	0.01	protein_coding	19	48719306	48815648	OTU domain containing 5
20084	ENSG00000182482	AKR7A3	20092.2	0.01	protein_coding	1	18609052	18615144	aldo-keto reductase family 7, member A3 (aldolase aldolase reductase)
20086	ENSG00000189851	ZEB1	20092.2	0.01	protein_coding	19	4044362	4044362	zinc finger and E12 domain containing 7A
20120	ENSG00000129071	MED4	20118	0.01	protein_coding	3	129148787	129158878	methyl-CpG binding domain protein 4
20126	ENSG00000134389	CFHR5	20134.9	0.01	protein_coding	1	119946667	119947804	complement factor H-related 5
20200	ENSG000001028810	CHMP9	20195	0.01	protein_coding	1	27954998	28016149	charged multivesicular body protein 9
20288	ENSG00000135437	RHD5	20244.1	0.01	protein_coding	12	58114151	58114889	retinol dehydrogenase 5 (11-cis-9c)
20331	ENSG0000010297103	LSM14A	20288	0.01	protein_coding	19	34683409	34720420	LSM14A, SCED homolog A (S. cerevisiae)
20338	ENSG00000155870	BGAL1	20315.6	0.01	protein_coding	12	4824816	4824816	UDP-Galactose 4-epimerase beta
20341	ENSG00000187685	TET3	20342.2	0.01	protein_coding	2	7422840	7433503	tet methylcytosine dioxygenase 3
20358	ENSG00000157017	GHR1L	20311.6	0.01	protein_coding	3	10327359	10334831	ghrelin/leptin prepropeptide
20400	ENSG000001025490	FEBX1	20413.7	0.01	protein_coding	3	31437886	31437886	ATP7B/C2003B8 readthrough (NMD candidate)
20431	ENSG00000124193	SRSF6	20434.5	0.01	protein_coding	20	42082658	42092245	serine/arginine-rich splicing factor 6
20444	ENSG00000106490	RFANK	20396	0.01	protein_coding	19	19303008	19312678	regulatory factor X-associated ankyrin-containing protein
20489	ENSG00000176201	RPL23	20417.2	0.01	protein_coding	9	53571	53571	ribosomal protein L23
20575	ENSG00000177157	PPP1R12B	20481.6	0.01	protein_coding	1	202317627	202361834	protein phosphatase 1, regulatory subunit 12B
20752	ENSG00000181856	MUC5	20615.8	0.01	protein_coding	11	1012921	1013078	mucin 5, oligomeric mucin-like-forming
20802	ENSG00000141117	FEBX3	20481.6	0.01	protein_coding	17	17102418	17102418	1-cis proline 3
20900	ENSG00000141978	RNF4	20468.7	0.01	protein_coding	19	16588878	1679051	Ubiquitin-related protein
20978	ENSG00000186974	MAPRE2	20775.4	0.01	protein_coding	18	3255892	32724334	microtubule-associated protein, RP/EB family, member 2
20991	ENSG00000106804	TRAF2	20775.4	0.01	protein_coding	9	1227148	1227148	trans domain family 1, member 9
21012	ENSG000001005378	RNF4	20802.2	0.01	protein_coding	4	2453947	2453947	ring finger protein 4
21090	ENSG00000181432	CYP8B1	20859.9	0.01	protein_coding	3	42897497	42911633	cytochrome P450, family 8, subfamily B, polypeptide 1
21098	ENSG00000152680	SFRP1	20862.2	0.01	protein_coding	3	3068216	3068216	secreted frizzled receptor 2
21164	ENSG00000158019	BRE	20522.5	0.01	protein_coding	2	28112808	28591768	brain and reproductive organ-expressed (TNFRSF1-A modulator)
21167	ENSG000001028227	CLEC4A	20828.2	0.01	protein_coding	7	14182187	141848807	C-type lectin domain family 5, member A
21179	ENSG00000132842	TRAF3	20828.2	0.01	protein_coding	13	3386138	3386138	check, casin transferase homolog 2 (E. coli)
21221	ENSG00000189875	ANKX4	20573.3	0.01	protein_coding	2	89871527	70035396	ankyrin A4
21314	ENSG00000188474	KLK12	21045.3	0.01	protein_coding	19	5152348	51538488	kallikrein-related peptidase 12
21353	ENSG00000101852	TRAF3	21045.3	0.01	protein_coding	13	3386138	3386138	check, casin transferase homolog 2 (E. coli)
21376	ENSG00000110124	CDC25B	21072.9	0.01	protein_coding	20	3787578	3788272	cell division cycle 25B
21474	ENSG00000134963	MALL	21194.3	0.01	protein_coding	2	11081447	11078413	mal, T-cell differentiation protein-like
21548	ENSG00000119197	CD2AP	21200	0.01	protein_coding	2	20052097	20052097	CD40 (Apo-Glu-Apo) ligase polypeptide 39
21561	ENSG00000149798	CDC42EP2	21244.3	0.01	protein_coding	11	65052289	65059900	CDC42 effector protein (Rho GTPase binding) 2
21588	ENSG00000185515	BRC4	21257.2	0.01	protein_coding	15	15429995	154351349	BRC4/ATRCA2-containing complex, subunit 3
21637	ENSG00000103448	PNL3	21299.2	0.01	protein_coding	19	794689	792690	patatin-like phospholipase domain family 1, member 3
21665	ENSG00000152781	AKR1D1	21315.2	0.01	protein_coding	1	13781070	13781070	aldo-keto reductase family 1, member D1
21883	ENSG00000110152	DNAJ3	21240.5	0.01	protein_coding	20	6252818	6267384	DnaJ (Hsp40) homolog, subfamily C, member 5
21914	ENSG00000187854	TM6SF1A	21265.9	0.01	protein_coding	4	68715103	68629468	transmembrane protein, sense, 11A
21788	ENSG00000128443	TM6SF1B	21265.9	0.01	protein_coding	4	100662843	100669211	heterogeneous nuclear ribonucleoprotein H2 (H)
21789	ENSG00000135241	PNL4A	21424.9	0.01	protein_coding	7	108119886	10820110	patatin-like phospholipase domain containing 2
21801	ENSG00000106499	CHAC1	21452.2	0.01	protein_coding	2	18801896	18813187	carbamoyl receptor-like
21802	ENSG00000104495	CHAC2	21452.2	0.01	protein_coding	2	143983784	143983784	carbamoyl receptor-like
21864	ENSG000001050130	JKAMP	21474.3	0.01	protein_coding	14	59897128	59897128	JNK1MAPK8-associated membrane protein
21869	ENSG00000188076	CDC38	21480.2	0.01	protein_coding	3	86931189	86938	

20983	ENSG0000023268	ATF7	23727	0.01	protein_coding	12	5117493	51214905	activating transcription factor 1
24043	ENSG0000023309	RUNX3A	24372	0.01	protein_coding	17	4282737	42828381	RUN domain containing 3A
24074	ENSG00000152219	ARL14EP	23202	0.01	protein_coding	11	30344598	30359774	ADP-ribosyltransferase-like 14 factor protein
24082	ENSG0000018454	ANKRD13C	23208	0.01	protein_coding	1	70728271	70820417	ankyrin repeat domain 13C
24122	ENSG0000000189	SLC35C2	23245	0.01	protein_coding	20	44978167	44992043	solute carrier family 35 (GPCR-located transporter), member C2
24300	ENSG0000016275	CTRF8	23534	0.01	protein_coding	15	25523126	25523126	ubiquitin protein ligase E3A
24414	ENSG00000148411	NACC2	23487	0.01	protein_coding	9	13889383	138897131	NACC family member 2, BEN and BTB (POZ) domain containing
24423	ENSG00000088726	TMEM40	23250	0.01	protein_coding	3	12715024	12810959	transmembrane protein 40
24426	ENSG00000162978	CTRF5	23515	0.01	protein_coding	14	8028948	8028948	chromatin 7 open reading frame 26
24438	ENSG00000134587	WR36	23260	0.01	protein_coding	5	110427414	110468200	WD repeat domain 36
24454	ENSG00000101076	HYFA	23529	0.01	protein_coding	20	42964346	43061485	hepatocyte nuclear factor 4, alpha
24554	ENSG00000208941	CTRF5	23519	0.01	protein_coding	14	8028948	8028948	CTRF5 family member 5, isoform 4
24620	ENSG00000115829	RAB35G1	23585	0.01	protein_coding	2	13589285	135893984	GAP1/GTPase activating protein subunit 1 (catalytic)
24675	ENSG00000107558	VAPA	23108	0.01	protein_coding	18	9913999	9960018	VAMP (vesicle-associated membrane protein)-associated protein A, 35kDa
24728	ENSG00000134898	VHL	23174	0.01	protein_coding	3	10762952	10763004	von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase
24730	ENSG00000204184	INMT	23758	0.01	protein_coding	7	30737601	30787218	indolethylamine N-methyltransferase
24770	ENSG00000144874	GOLGA4	23199	0.01	protein_coding	3	37284868	37408242	glgln A4
24818	ENSG00000204098	SPRRZF	23839	0.01	protein_coding	1	15304590	15305091	small proline-rich protein 2F
24845	ENSG00000183828	BTBD9	23869	0.01	protein_coding	6	38136227	38607924	BTB (POZ) domain containing 9
24909	ENSG00000272325	NUDT3	23208	0.01	protein_coding	6	3421456	3430451	nudix (nucleoside diphosphate linked moiety X)-type motif 3
25098	ENSG00000104923	NOL10	24023	0.01	protein_coding	8	110297711	110317135	neuronal cellin 10
25138	ENSG00000170074	FAM153A	24094	0.01	protein_coding	5	177134982	177210399	family with sequence similarity 153, member A
25185	ENSG00000001167	NFYA	24123	0.01	protein_coding	6	41040884	41087715	nuclear transcription factor Y, alpha
25295	ENSG00000104533	ANKK1	24211	0.01	protein_coding	8	124683034	124748847	ankyrin A13
25296	ENSG00000168447	SCNN1B	24251	0.01	protein_coding	16	23289552	23289620	sodium channel, non-voltage-gated 1, beta subunit
25335	ENSG00000144835	DYNLL1	24282	0.01	protein_coding	3	32957483	32812398	dynamen, cytoplasmic 1, light intermediate chain 1
25372	ENSG00000014803	SLC22A1	24300	0.01	protein_coding	15	48443981	48492875	solute carrier family 12 (organic cation/zinc transporter), member 1
26428	ENSG00000134216	CHIA	24348	0.01	protein_coding	1	11183484	11183188	chitinase, acidic
26483	ENSG00000101213	PTF6	24389	0.01	protein_coding	20	82189778	82188723	protein tyrosine kinase 6
26484	ENSG00000102524	DUSP4	24391	0.01	protein_coding	15	45402808	45402808	dual oxidase domain protein factor 4
26535	ENSG00000169302	UPF3A	24425	0.01	protein_coding	13	115047059	115071283	UPF3 regulator of nonsense transcripts homolog A (yeast)
26547	ENSG00000172425	TTC38	24430	0.01	protein_coding	11	11838187	11840112	tetrahydrocopte repeat domain 36
26643	ENSG00000200681	CTCF	24507	0.01	protein_coding	10	8994134	10001381	cohesin 1
26641	ENSG00000189114	BLOC1B3	24517	0.01	protein_coding	9	45682003	45685095	biogenesis of lysosomal organelles complex-1, subunit 3
26691	ENSG00000160806	SIF1	24553	0.01	protein_coding	11	64532078	64546258	silencing factor 1
26723	ENSG00000162520	CHST8	24578	0.01	protein_coding	11	45130163	45130163	chondroitin 8 open reading frame 22B
26746	ENSG00000183762	KREMEN1	24595	0.01	protein_coding	22	29440906	29584121	kringle containing transmembrane protein 1
26796	ENSG00000153975	ZUFSP	24605	0.01	protein_coding	6	116995781	116995997	zinc finger with UFM1-specific peptidase domain
26821	ENSG00000101963	CHST9	24608	0.01	protein_coding	14	48652078	48652078	agonolipin-modifying chondroitinase receptor
26846	ENSG00000113838	TBCD1	24694	0.01	protein_coding	3	186263982	186283332	TBCD domain containing 1
26895	ENSG00000198351	AGF2	24719	0.01	protein_coding	7	100138834	100165842	ARGAP with FG repeats 2
26908	ENSG00000101538	CHST7	24727	0.01	protein_coding	11	48652078	48652078	chondroitin 7 open reading frame 87
26905	ENSG00000111700	SLCO1B3	24803	0.01	protein_coding	12	20963938	21234040	solute carrier organic anion transporter family, member 1B3
26906	ENSG00000073752	IF2B2	24851	0.01	protein_coding	3	18381527	18582484	insulin-like growth factor 2 mRNA binding protein 2
26100	ENSG00000100768	IF2B2	24840	0.01	protein_coding	1	189987781	189133496	selectin E
26109	ENSG00000117153	KHL12	24852	0.01	protein_coding	5	203082028	203188714	kelch-like family member 12
26215	ENSG00000166224	SGPL1	24886	0.01	protein_coding	10	72575117	72610030	sphingosine 1-phosphatase lyase 1
26263	ENSG00000126591	FMO7B	24905	0.01	protein_coding	11	65134070	65180456	FMO domain containing 8
26296	ENSG00000107669	ATE1	25015	0.01	protein_coding	11	123489128	123489128	adenosine triphosphatase 1
26299	ENSG00000100580	TMEM28	25052	0.01	protein_coding	14	77801364	77843452	transmembrane empo2 protein transport domain containing 8
26338	ENSG00000008491	SLC25A2	25063	0.01	protein_coding	1	108619588	108743311	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24
26396	ENSG00000161512	AZZ	25133	0.01	protein_coding	1	28334944	28334944	2-azacytidine induced 2
26457	ENSG00000163820	FYCO1	25199	0.01	protein_coding	3	45959396	46037316	FYVE and coiled-coil domain containing 1
26530	ENSG00000234119	NSD2	25263	0.01	protein_coding	16	12021230	12017030	PuTive NPI-like protein LOC729978
26534	ENSG00000107124	ACER3	25283	0.01	protein_coding	16	76517911	76737841	actinin condensin 3
26604	ENSG00000178482	TUBAL3	25233	0.01	protein_coding	10	5435361	5444783	tubulin, alpha-like 3
26680	ENSG00000100928	ABSD	25380	0.01	protein_coding	14	84404099	84481437	arginin repeat and SOCS box containing 2
26681	ENSG00000104982	SLC52A1	25382	0.01	protein_coding	3	288988995	28913380	solute carrier family 5 (lipid/monocarboxylate cotransporter), member 12
26691	ENSG00000162838	FAM102B	25382	0.01	protein_coding	1	109102711	10918722	family with sequence similarity 102, member B
26758	ENSG00000112782	CLCS	25454	0.01	protein_coding	8	43888045	43888132	chloride intracellular channel 5
26801	ENSG00000100710	DNM1	25460	0.01	protein_coding	10	41961196	41961196	DnaI (HsdII) homolog, subfamily C, member 10
26871	ENSG00000107802	LHP1	25630	0.01	protein_coding	10	126150403	12630647	phosphotyrosine phosphatidase inorganic pyrophosphatase
27011	ENSG00000159516	SPRRG3	25671	0.01	protein_coding	1	153122058	15312345	small proline-rich protein 2G
27038	ENSG00000145496	DNM1	25671	0.01	protein_coding	10	41961196	41961196	DnaI (HsdII) homolog, subfamily B, member 6
27104	ENSG00000113621	NDCDC15	25753	0.01	protein_coding	5	13420493	13423715	breastform domain containing 15
27116	ENSG00000106443	PRF1	25788	0.01	protein_coding	7	11013499	11029120	PHD finger protein 14
27143	ENSG00000105993	DNM1	25793	0.01	protein_coding	10	41961196	41961196	DnaI (HsdII) homolog, subfamily B, member 6
27204	ENSG00000134265	NAPG	25846	0.01	protein_coding	18	10525902	10525758	N-ethylmaleimide-sensitive factor attachment protein, gamma
27256	ENSG00000138459	SLC35A5	25882	0.01	protein_coding	3	11220556	11230424	solute carrier family 35, member A5
27291	ENSG00000101498	MLXIP	25918	0.01	protein_coding	11	13411928	13411928	acyl-CoA dehydrogenase 1
27304	ENSG00000175727	MLXIP	25918	0.01	protein_coding	12	12251628	12261834	MLX interacting protein 1
27310	ENSG00000158487	AHCYL2	25925	0.01	protein_coding	7	128884884	129007052	adenosylhomocysteinase-like 2
27327	ENSG00000101573	CLIP1	25988	0.01	protein_coding	4	43823077	43823077	BRSA13 subfamily 1
27390	ENSG00000130779	CLIP1	25988	0.01	protein_coding	4	12275979	122807179	CAP-CLY domain containing linker protein 1
27397	ENSG00000164007	KOMP1	25992	0.01	protein_coding	2	85198216	85288595	potassium channel modulatory factor 1
27412	ENSG00000164531	ORP2A	26034	0.01	protein_coding	2	2701392	2701392	oxysterol, beta 4A
27414	ENSG00000111339	ART4	26036	0.01	protein_coding	12	4978503	4989829	ADP-ribosyltransferase 4 (Dombrock blood group)
27428	ENSG00000136985	IL36RN	26015	0.01	protein_coding	2	113816215	113822899	interleukin 36 receptor antagonist
27433	ENSG00000105010	COG4	26017	0.01	protein_coding	8	15600103	15600103	coagulation factor VIII (procoagulant) component
27453	ENSG00000204130	PSG11	26037	0.01	protein_coding	19	43511808	43530064	pregneny specific beta-1-glycoprotein 11
27456	ENSG00000100824	SPAG9	26038	0.01	protein_coding	17	49039535	49189228	sperm associated antigen 9
27482	ENSG00000101449	ARGAP2	26077	0.01	protein_coding	10	5174059	5174059	ARGAP with GTPase domain, ankyrin repeat and PH domain 8
27484	ENSG00000116771	AGMAT	26068	0.01	protein_coding	1	15988488	15971105	agmatine ureohydrolase (agmatinase)
27487	ENSG00000148513	ANKRD30A	26069	0.01	protein_coding	10	37414785	37673039	ankyrin repeat domain 30A
27512	ENSG00000141298	TMR13	26094	0.01	protein_coding	7	13842695	138522448	transmembrane protein 213
27521	ENSG00000104943	TRAF3	26103	0.01	protein_coding	11	116995448	117004349	transmembrane associated protein 3
27532	ENSG00000181447	CTNNA2	26103	0.01	protein_coding	2	106679702	106684415	chromosome 2 open reading frame 40
27538	ENSG00000186522	HRHAP42	26109	0.01	protein_coding	10	5006386	50217742	Rto GTPase activating protein 12
27570	ENSG00000100750	MYL2	26134	0.01	protein_coding	16	153504286	153508700	myosin-like protein-like 1
27588	ENSG00000117305	HMGCL2	26144	0.01	protein_coding	1	24128375	24185110	3-hydroxymethyl-3-methylglutaryl-CoA lyase
27588	ENSG00000101046	NFAT1	26144	0.01	protein_coding	16	15137170	15149921	NF-atomer signaling adaptor
27613	ENSG00000101847	ACSM4	26189	0.01	protein_coding	16	24457268	24457268	acyl-CoA synthetase medium-chain family member 2A
27630	ENSG00000174953	DNK36	26184	0.01	protein_coding	3	153893035	15442286	DEAH (Hsp-Glu/Ala-His) box polypeptide 36
27649	ENSG00000116988	SMC7	26210	0.01	protein_coding	11	18441351	18380781	SMC7 nonreducing mediator mRNA decay factor
27705	ENSG00000105928	TIP1	26256	0.01	protein_coding	19	3706107	37101929	

28688	ENSG00000132437	DDC	27154.8	0.01	protein_coding	7	50526134	50633154	dopa decarboxylase (aromatic L- amino acid decarboxylase)
28689	ENSG00000126597	NEU3L1	27133.44	0.01	protein_coding	10	71333444	71333444	neurexin 3
28732	ENSG00000169118	CSNK1G1	27203.8	0.01	protein_coding	15	64457716	64484442	casein kinase 1, gamma 1
28736	ENSG00000100445	SDR39J1	27228.8	0.01	protein_coding	14	24908972	24911211	short chain dehydrogenase/reductase family 39J, member 1
28768	ENSG00000219988	MYBPHL	27244.5	0.01	protein_coding	11	10981007	10984963	myosin binding protein H-like
28793	ENSG00000144848	S11B36	27257.3	0.01	protein_coding	10	17395352	17395352	S11B alpha-N-acetylserine amidase alpha-2,4-epilysyltransferase B
28805	ENSG00000215444	GGCR	27280.3	0.01	protein_coding	17	79742008	79771889	glucagon receptor
28806	ENSG0000017294	FBCX3	27283	0.01	protein_coding	17	8605454	8700420	F-box protein 3
28808	ENSG00000191784	CHIR1	27285.3	0.01	protein_coding	16	30034955	30034955	chromosome 16 open reading frame 92
28838	ENSG00000196796	CGCR	27305.3	0.01	protein_coding	16	29049253	29049253	Uncharacterized protein
28841	ENSG00000162698	MGRN1	27317.4	0.01	protein_coding	18	4969484	4740975	metagomin ring finger 1, E3 ubiquitin protein ligase
28845	ENSG00000156194	PPEF2	27328.1	0.01	protein_coding	4	78781020	78823724	protein phosphatase, EF-hand calcium binding domain 2
28869	ENSG00000173093	CCDC33	27369.9	0.01	protein_coding	12	111284573	111345339	coiled-coil domain containing 63
28900	ENSG00000209864	EPH2	27384.6	0.01	protein_coding	19	53647891	53654309	endogenous retrovirus group V, member 2
28915	ENSG00000170848	PGS5	27379.6	0.01	protein_coding	19	43406231	43427125	pregnancy specific beta-1-glycoprotein 5
28919	ENSG00000178279	TNP2	27382.7	0.01	protein_coding	16	11361605	11363300	transition protein 2 (during histone to protamine replacement)
28963	ENSG00000104527	KCNK3	27413.7	0.01	protein_coding	11	52971251	52973000	potassium inwardly-rectifying channel, subfamily 1, member 5
28974	ENSG00000162763	LRRCS2	27422.1	0.01	protein_coding	1	16551244	16553188	leucine rich repeat containing 52
29008	ENSG00000164342	TLR3	27457.8	0.01	protein_coding	4	18899036	18709023	toll-like receptor 3
29001	ENSG000002025108	FAM205A	27499.1	0.01	protein_coding	9	34720502	34720504	family with sequence similarity 205, member A
29069	ENSG00000125409	TEKT3	27518.7	0.01	protein_coding	17	15207128	15244958	tektin 3
29075	ENSG00000408952	HDCAP3	27521.9	0.01	protein_coding	7	18126572	19420309	histone deacetylase 9
29079	ENSG00000151704	KCNL1	27526.6	0.01	protein_coding	11	12870210	12870208	potassium inwardly-rectifying channel, subfamily J, member 1
29084	ENSG00000104957	CCDC130	27536.8	0.01	protein_coding	19	13842574	13874110	coiled-coil domain containing 130
29100	ENSG00000113504	SLC12A7	27540.1	0.01	protein_coding	5	1050499	1112150	solute carrier family 12 (potassium/chloride transporter), member 7
29101	ENSG00000187546	AGMO	27542.3	0.01	protein_coding	7	15259443	15261640	aldolyl-pyruvate monooxygenase
29111	ENSG00000165056	NKX6-3	27548.9	0.01	protein_coding	8	41502897	41508855	NK6 homeobox 3
29126	ENSG000001051304	SRFBP1	27561.1	0.01	protein_coding	5	12128766	12141285	serum response factor binding protein 1
29168	ENSG00000101538	SH2D4B	27608.3	0.01	protein_coding	10	13823168	13823168	neuromedin S receptor
29170	ENSG00000178217	SH2D4B	27608.3	0.01	protein_coding	10	82297658	82636316	SH2 domain containing 4B
29174	ENSG00000200021	TEX3	27612.3	0.01	protein_coding	1	17842212	17847134	testis expressed 35
29183	ENSG00000101764	FBLN5	27621.6	0.01	protein_coding	1	35631	42122	fibronectin type 5
29205	ENSG00000197516	Cxorf27	27642.4	0.01	protein_coding	3	37850070	37850069	chromosome X open reading frame 27
29221	ENSG000002004877	LOC101928349	27655.9	0.01	protein_coding	5	17743406	17748260	family with sequence similarity 153, member C
29228	ENSG00000101941	MRPAP	27659.6	0.01	protein_coding	10	15314466	15314466	microfilament-associated protein 3
29258	ENSG00000178761	PIPOX	27714.6	0.01	protein_coding	17	27277331	27284324	picopical oxidase
29260	ENSG00000101313	CHST3	27716.8	0.01	protein_coding	3	4833176	4833176	N-acylglucosyl sialyltransferase 3
29336	ENSG00000205989	CN2D1	27765.8	0.01	protein_coding	5	132083137	132089856	cydin 1 family, member 2
29341	ENSG00000178395	C1orf85	27771.7	0.01	protein_coding	1	22358875	22358882	chromosome 1 open reading frame 65
29348	ENSG00000101969	C1orf85	27771.7	0.01	protein_coding	1	15441741	15441741	chromosome 1 open reading frame 65
29366	ENSG00000203754	SLC101B7	27794.1	0.01	protein_coding	12	20968873	21245479	solute carrier organic anion transporter family, member 1B7 (non-functional)
29389	ENSG00000162745	DLF1L2B	27823.9	0.01	protein_coding	1	161952844	161952844	actin-depolymerizing factor-like 2B
29391	ENSG00000181440	BCL4L	27825.4	0.01	protein_coding	17	966264	966264	B-cell CLL/lymphoma 8, member B
29402	ENSG00000177994	C2orf3	27825.4	0.01	protein_coding	7	54577171	54577171	chromosome 2 open reading frame 73
29403	ENSG00000113452	AGXT2	27832.3	0.01	protein_coding	5	34982826	35048198	alanine-glyoxylate aminotransferase 2
29411	ENSG00000181658	C2orf3	27832.3	0.01	protein_coding	5	15200701	15210751	chromosome 5 open reading frame 52
29415	ENSG00000101709	NUP98	27833.7	0.01	protein_coding	17	64491958	64491958	NUP98 nucleolar pore domain containing 2
29430	ENSG00000132837	DMSST2	27857.2	0.01	protein_coding	5	76203438	76311391	dimeric glyoxylate dehydrogenase
29438	ENSG00000101595	SARF1	27879.6	0.01	protein_coding	12	108916307	10895176	squamous cell carcinoma antigen recognized by T cells 3
29462	ENSG00000101695	LOC100303032	27892.5	0.01	protein_coding	12	158403625	158403625	Protein LOC100303032
29475	ENSG00000187033	SAMD7	27895.5	0.01	protein_coding	3	168623090	168659683	sterile alpha motif domain containing 7
29481	ENSG00000197918	OR51L2	27899.4	0.01	protein_coding	11	5474638	5475707	olfactory receptor, family 5L, subfamily 1, member 2
29484	ENSG00000101398	LRR13	27900.3	0.01	protein_coding	13	4870608	4867183	leucine rich repeat containing 63
29500	ENSG00000198798	MAGEB3	27919.1	0.01	protein_coding	3	30248553	30255607	melanoma antigen family B, 3
29514	ENSG00000193477	KIAA1328	27952.3	0.01	protein_coding	18	3440809	3441235	KIAA1328
29524	ENSG00000101489	NUP98	27952.3	0.01	protein_coding	17	71731810	71731810	nuclear mitotic apparatus protein 3
29525	ENSG00000168558	SLC38A8	27940.8	0.01	protein_coding	16	84043272	84076241	solute carrier family 38, member 8
29540	ENSG00000139585	SHM22	27952.8	0.01	protein_coding	13	44717679	44735383	small integral membrane protein 2
29547	ENSG00000101920	HSD17B10	27953.0	0.01	protein_coding	13	5068152	50679424	hydroxysteroid oxidase 10
29584	ENSG00000123096	SPSN	27988.7	0.01	protein_coding	12	2874224	2845223	sarcospan
29588	ENSG00000159182	PRAC1	27990.4	0.01	protein_coding	17	4879084	4879884	prostate cancer susceptibility candidate 1
29596	ENSG00000101350	ITIH4	27992.8	0.01	protein_coding	5	13200188	13200188	interleukin 13
29601	ENSG00000106328	FSCN3	28008.6	0.01	protein_coding	7	12723463	12724218	fascin homolog 3, actin-binding protein, testicular (Strongylocentrotus purpuratus)
29603	ENSG00000184888	FAM73A	28017.3	0.01	protein_coding	1	76245309	76344106	family with sequence similarity 73, member A
29713	ENSG00000101448	MRN1	28021.1	0.01	protein_coding	21	13006140	13006140	meiotic recombination protein 22
29720	ENSG00000152128	TMEM163	28104.3	0.01	protein_coding	2	13521330	13547603	transmembrane protein 163
29726	ENSG00000168754	FAM178B	28110.3	0.01	protein_coding	2	57541620	57608174	family with sequence similarity 178, member B
29728	ENSG00000101315	C1orf109	28112.4	0.01	protein_coding	12	6911124	6911124	chromosome 17 open reading frame 49
29751	ENSG00000203126	C1orf105	28134.3	0.01	protein_coding	17	41857803	41864880	chromosome 17 open reading frame 105
29756	ENSG00000154493	C10orf90	28135.3	0.01	protein_coding	10	128113566	128199379	chromosome 10 open reading frame 90
29761	ENSG000002004681	GATC1	28135.3	0.01	protein_coding	2	2852154	2852154	gamma-aminobutyrate decarboxylase 1B receptor, 1
29776	ENSG00000158955	VWA3B	28159	0.01	protein_coding	2	9870379	9892972	von Willebrand factor domain containing 3B
29778	ENSG00000113304	ACTO13	28160.6	0.01	protein_coding	6	24687283	24705593	acyl-CoA thioesterase 13
29786	ENSG00000101761	SLC1212	28162.8	0.01	protein_coding	8	4433813	4433813	solute carrier family 22 (potassium/iodide transporter), member 12
29793	ENSG00000169291	SH2E	28174.9	0.01	protein_coding	1	15442248	15442248	SH2 homology 2 domain containing E
29794	ENSG000002031274	SBK3	28175.4	0.01	protein_coding	19	56052023	56056609	SH3 domain binding kinase family, member 3
29798	ENSG00000101729	SH2E	28175.4	0.01	protein_coding	1	579178	579178	cyclic nucleotide-gated channel beta 3
29810	ENSG00000125998	FAM83C	28187.6	0.01	protein_coding	20	33873534	33890204	family with sequence similarity 83, member C
29841	ENSG00000197653	HEAT1	28202.5	0.01	protein_coding	12	12424702	12424703	dyxinec, axonemal, heavy chain 10
29842	ENSG00000101593	HEAT1	28202.5	0.01	protein_coding	12	3178404	3178404	HEAT repeat containing 5A
29868	ENSG00000199498	ZNF705A	28206.8	0.01	protein_coding	12	6290733	6341133	zinc finger protein 705A
29890	ENSG00000162139	NEL2L3	28208.3	0.01	protein_coding	11	7499179	74729038	sulfatase 3 (membrane sulfatase)
29896	ENSG00000144438	SLC22A8	28219	0.01	protein_coding	11	6726626	67263311	solute carrier family 22 (organic anion transporter), member 8
29910	ENSG00000119304	SLC22A8	28219	0.01	protein_coding	11	3643429	3643429	colicin sub-family member 11
29921	ENSG00000103139	SEMA3G	28232.2	0.01	protein_coding	3	52447089	52479110	sema domain, immunoglobulin domain (lig), short basic domain, secreted, (semaphorin) 3G
29924	ENSG00000130052	ST18L8	28236.2	0.01	protein_coding	4	67957506	67958474	SMR-related lipid transfer (SLART) domain containing 8
29931	ENSG0000014156	SST3A	28237.6	0.01	protein_coding	14	62781437	62774483	galactose 4-epimerase alpha 3
29937	ENSG00000111344	RASAL1	28237.7	0.01	protein_coding	12	113536624	113574044	RAS protein activator like 1 (GAP1) like
29938	ENSG00000186991	ABCNA	28239	0.01	protein_coding	8	9456899	9456899	ATP-binding cassette, subfamily A (ABC1), member 4
29948	ENSG00000101771	ANKRD30B	28241.4	0.01	protein_coding	18	14728271	14891926	ankyrin domain containing 30B
29962	ENSG00000173827	APBBPC4	28250.1	0.01	protein_coding	1	183615541	183622451	apoptosis/B cell mRNA editing enzyme, catalytic polypeptide-like 4 (putative)
29963	ENSG00000101115	ZNF227	28254.3	0.01	protein_coding	19	44711700	44741421	zinc finger protein 227
29966	ENSG000002031171	OR51L1	28254.3	0.01	protein_coding	11	178619911	178619911	long intergenic non-protein coding RNA 100B
30002	ENSG00000169759	OR							

30603	ENSG00000186209	ATP11B1	28881	0.01	protein_coding	2	71163072	71192536	ATPase, H ⁺ transporting, lysosomal 5b/5bDa, V1 subunit B1
30604	ENSG00000103178	ZNF107	29120	0.01	protein_coding	22	30120000	30120000	zinc finger, main type 1
30658	ENSG00000153253	SCN3A	29334	0.01	protein_coding	2	165844032	165800577	sodium channel, voltage-gated, type II, alpha subunit
30670	ENSG00000179148	ALOXE3	29844	0.01	protein_coding	17	799218	8022385	arachidonate lipoxygenase 3
30671	ENSG00000169168	UGT1A6	29852	0.01	protein_coding	2	23460223	23468198	UDP glucuronosyltransferase 1 family, polypeptide A6
30755	ENSG00000151755	TAF15	29878	0.01	protein_coding	8	988343	10074545	TATA box binding protein (TBP)-associated factor, RNA polymerase I, B, 63kDa
30707	ENSG00000214842	RANBP2	29879	0.01	protein_coding	2	1769185	1769970	RAN1 associated protein 2
30726	ENSG00000169571	SNRP	29932	0.01	protein_coding	1	580020	5901963	Small nuclear ribonucleoprotein protein 1
30768	ENSG00000164497	SNK1B	29949	0.01	protein_coding	5	17623749	17623749	unc-5 homolog 2 (C. elegans)
30791	ENSG00000265502	ARND	29973	0.01	protein_coding	6	11785048	11789678	slamine and arginine rich domain containing protein
30811	ENSG00000137171	KLCA	29990	0.01	protein_coding	8	34889828	34889828	leucine-rich repeat domain 23-like
30812	ENSG00000170214	ADRA1B	29990	0.01	protein_coding	5	15934370	15939951	kinetin light chain 4
30815	ENSG00000104326	HAUS8	29992	0.01	protein_coding	9	19103117	19103117	adrenocortical alpha 1B
30819	ENSG00000177301	CKNA2	29997	0.01	protein_coding	1	111136202	111174996	potassium voltage-gated channel, shaker-related subfamily, member 2
30825	ENSG00000185298	GABRI1	29103	0.01	protein_coding	4	48997420	47428401	gamma-aminobutyric acid (GABA) A receptor, beta 1
30833	ENSG00000185584	SPR1B	29108	0.01	protein_coding	12	97209619	97209645	serpinmatrogenase associated B
30838	ENSG00000124356	STAMPB	29113	0.01	protein_coding	2	74054068	74100786	STAM binding protein
30839	ENSG00000124362	KLBL	29114	0.01	protein_coding	4	3940473	3943158	klroho beta
30849	ENSG00000171722	SNF12	29117	0.01	protein_coding	10	135307604	135307678	synasomal complex central element protein 1
30858	ENSG00000132028	R1BDN	29132	0.01	protein_coding	19	12936292	12946242	retinidin
30863	ENSG00000197859	ADAMTSL2	29139	0.01	protein_coding	9	136397286	136440441	ADAMTSL2-like 2
30875	ENSG00000143433	FAM78B	29148	0.01	protein_coding	9	131339600	131333242	family with sequence similarity 73, member B
30900	ENSG00000151789	ZNF385D	29167	0.01	protein_coding	3	21458915	22414812	zinc finger protein 385D
30901	ENSG00000177484	GPR4	29167	0.01	protein_coding	19	48953022	48105498	G protein-coupled receptor 4
30903	ENSG00000164693	SHH	29168	0.01	protein_coding	7	155902960	155902960	zinc finger protein 385D
30906	ENSG00000161594	KLHL10	29172	0.01	protein_coding	17	38991937	40004636	kelch-like family member 10
30911	ENSG00000190083	GGAT1	29176	0.01	protein_coding	2	38004481	38002971	gelgol-associated, gamma-aminobutyric acid containing, ARF binding protein 1
30912	ENSG00000165748	CCDC158	29183	0.01	protein_coding	13	13321028	13321028	13th chromosome homolog 158
30937	ENSG00000183749	CCDC158	29183	0.01	protein_coding	4	7723454	77343021	coiled-coil domain containing 158
30947	ENSG00000184730	WVC2	29196	0.01	protein_coding	7	48813257	49981546	von Willebrand factor C domain containing 2
30951	ENSG00000160437	OTX1	29200	0.01	protein_coding	7	4891337	4891337	OTX domain containing 1
30973	ENSG00000105929	ATP11V04	29226	0.01	protein_coding	7	13839100	138484005	ATPase, H ⁺ transporting, lysosomal V0 subunit a4
30985	ENSG00000112761	WISP3	29237	0.01	protein_coding	6	11237575	112392171	WNT1 inducible signaling pathway protein 3
30986	ENSG00000185298	SPR1B	29238	0.01	protein_coding	12	97209619	97209645	NTRK actin-binding protein-like 1
31016	ENSG00000189874	CZORF0	29261	0.01	protein_coding	2	20903007	20905479	chromosome 2 open reading frame 80
31028	ENSG00000099433	ITPR3	29270	0.01	protein_coding	6	33584182	33664351	inositol 1,4,5-trisphosphate receptor, type 3
31029	ENSG00000169168	EPF2	29280	0.01	protein_coding	22	42920124	44200000	EF-hand calcium binding domain containing 22
31047	ENSG00000181523	SSSB	29289	0.01	protein_coding	17	78180515	78194722	N-sulfoglucosamine sulfolactonase
31053	ENSG00000135887	SMIP2	29292	0.01	protein_coding	6	109781986	109785725	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)
31059	ENSG00000181709	TRAF3IP1	29298	0.01	protein_coding	18	4734818	4734818	myD88
31061	ENSG00000196828	TCF4	29297	0.01	protein_coding	18	52889562	53320108	transcription factor 4
31062	ENSG00000112280	COL1A1	29296	0.01	protein_coding	6	70924764	71012788	collagen, type I, alpha 1
31071	ENSG00000124588	SLC47A1	29307	0.01	protein_coding	6	62783125	62962087	solute carrier family 7 (organic anion transporter), member 1
31081	ENSG00000190393	PNPLA7	29312	0.01	protein_coding	7	140344486	140344486	patatin-like lipase domain containing 7
31090	ENSG00000174838	ITC	29319	0.01	protein_coding	4	73665969	75719986	betacellulin
31108	ENSG00000198403	ANKRD35	29332	0.01	protein_coding	1	14559420	14559420	ankyrin repeat domain 35
31109	ENSG00000174338	SMK3	29332	0.01	protein_coding	22	43719944	43719944	structural maintenance of chromosomes 13
31118	ENSG00000147488	ST18	29337	0.01	protein_coding	8	53023399	53037319	suppression of tumorigenicity 18 (breast carcinoma) (zinc finger protein)
31120	ENSG00000175634	EPHKA2	29343	0.01	protein_coding	11	61719931	61720212	fibronectin type 3 kinase, 20kDa, polypeptide 2
31124	ENSG00000112118	CCDC49	29347	0.01	protein_coding	11	64580959	64610441	COX42 binding protein kinase gamma (DNAP-kinase)
31129	ENSG00000203722	RAET1G	29353	0.01	protein_coding	6	150238014	150244257	retinoic acid early transcript 1G
31140	ENSG00000183862	BMIR3	29361	0.01	protein_coding	1	39951318	39991107	bone morphogenetic protein 8a
31141	ENSG00000104371	DKK4	29370	0.01	protein_coding	1	42211158	42211158	Dickkopf Wnt signaling pathway inhibitor 4
31150	ENSG00000144550	CRNE9	29375	0.01	protein_coding	3	9745491	97471592	copine family member IX
31162	ENSG00000105131	EPHK3	29386	0.01	protein_coding	19	15337720	15344246	epoxide hydrolase 3
31167	ENSG00000131691	HSD17B8	29393	0.01	protein_coding	19	42963271	42967248	diclofenac hydrolytic domain family, member 1B
31168	ENSG00000148972	CTNNA2	29393	0.01	protein_coding	11	98891683	99027468	catenin 5
31191	ENSG00000181907	FTMT	29416	0.01	protein_coding	5	12181660	12188519	feritin mitochondrial
31196	ENSG00000181974	RANBP3	29423	0.01	protein_coding	9	80157471	80207000	Ran association (RAG)GDP-4 domain family (N-terminal) member 9
31202	ENSG00000182824	LHX8	29426	0.01	protein_coding	1	75584119	75627218	LIM homeobox 8
31208	ENSG00000198354	DCAF12L	29432	0.01	protein_coding	X	12529337	12530000	DDI1 and CUL4A associated factor 12-like 2
31210	ENSG00000181246	AP3D1	29432	0.01	protein_coding	20	62323127	62323127	ADP-ribosyltransferase 1
31212	ENSG00000124780	KCNK17	29435	0.01	protein_coding	6	36266777	36282329	potassium channel, subfamily K, member 17
31213	ENSG00000125508	SRMS	29437	0.01	protein_coding	20	62172163	62178957	src-related kinase lacking C-terminal regulatory tyrosine and N-terminal myristylation sites
31215	ENSG00000191948	TNRC18	29440	0.01	protein_coding	6	56602303	56602303	transmembrane protein 18
31216	ENSG00000095528	GLP2R	29440	0.01	protein_coding	17	9725523	9795419	glucagon-like peptide 2 receptor
31217	ENSG00000182473	EXOC2	29445	0.01	protein_coding	17	74077087	74117657	exocyst complex component 7
31222	ENSG00000105929	RNF190	29447	0.01	protein_coding	8	42734333	42734333	ring finger protein 170
31228	ENSG00000181528	SAP30BP	29447	0.01	protein_coding	17	73065128	73074142	SAP30 binding protein
31233	ENSG00000196289	ZNF560	29452	0.01	protein_coding	19	8577183	8609283	zinc finger protein 560
31240	ENSG00000155139	ANKRD33	29453	0.01	protein_coding	12	49820182	49820182	potassium voltage-gated channel, subfamily H (shaker-related), member 3
31250	ENSG00000140460	CAMKK1	29472	0.01	protein_coding	17	3763905	3768185	calcium/calmodulin-dependent protein kinase 1, alpha
31277	ENSG00000145743	FBN1L7	29486	0.01	protein_coding	5	107184786	107177796	F- and beta-actinin repeat protein 17
31291	ENSG00000131733	FBXW7	29493	0.01	protein_coding	12	7213338	7213338	family with sequence similarity 85, member C
31292	ENSG00000104919	PHLP2	29504	0.01	protein_coding	16	71871738	71785804	DII domain and leucine rich repeat protein phosphatase 2
31307	ENSG00000208758	ZNF285	29518	0.01	protein_coding	19	44888459	44885774	zinc finger protein 285
31308	ENSG00000191788	ANKRD11	29518	0.01	protein_coding	12	4073138	4073138	hydroxylase (17-beta dehydrogenase)
31322	ENSG00000154905	ANKRD29	29532	0.01	protein_coding	18	21178890	21424849	ankyrin repeat domain 29
31342	ENSG00000151834	GABRA2	29564	0.01	protein_coding	4	48920444	48927247	gamma-aminobutyric acid (GABA) A receptor, alpha 2
31371	ENSG00000105263	TRAF3	29570	0.01	protein_coding	18	7818051	7818051	myD88
31381	ENSG00000153208	MERTK	29601	0.01	protein_coding	2	11295056	112877138	c-mer proto-oncogene tyrosine kinase
31393	ENSG00000227268	KLNL	29609	0.01	protein_coding	10	8961819	89623124	kinin, p53-regulated DNA replication inhibitor
31398	ENSG00000196353	CRNE9	29612	0.01	protein_coding	3	13125299	13125299	copine IV
31403	ENSG00000132915	KLHL20	29622	0.01	protein_coding	19	3769071	3772253	retina and leucine rich repeat homeobox 2
31411	ENSG00000205670	SLC8A8	29633	0.01	protein_coding	12	101546271	101604185	solute carrier family 8 (sodium/magnesium/oxalate cotransporter), member 8
31422	ENSG00000206362	CEP350	29633	0.01	protein_coding	16	970742	970740	centriolar protein 350
31423	ENSG00000190629	C10orf2	29639	0.01	protein_coding	19	159714758	159714758	C10 and leucine-rich repeat protein 2
31434	ENSG00000186209	CEP128	29642	0.01	protein_coding	14	89043359	89043359	centriolar protein 128kDa
31438	ENSG00000126522	HSPA12B	29651	0.01	protein_coding	20	3715314	3715378	heat shock 70 kDa protein 12B
31439	ENSG00000181371	CYP4K1	29654	0.01	protein_coding	5	47427036	47427036	cytochrome P450, family 4, subfamily A, polypeptide 1
31458	ENSG00000184820	RELL2	29670	0.01	protein_coding	5	141018517	141020844	RET-like 2
31461	ENSG00000172286	SP1L3C	29675	0.01	protein_coding	20	12498827	13147411	serine palmitoyltransferase, long chain base subunit 3
31472	ENSG00000201866	RIT1A	29684	0.01	protein_coding	10	51180891	51233344	retinoid-inducible transmembrane protein 1
31474	ENSG00000204074	KRBOX1	29685	0.01	protein_coding	3	42820975	42838284	KRAB box domain containing 1
31475	ENSG00000198433	STAR09	29686	0.01	protein_coding	15	42867857	43013179	STAR-related lipid transfer

31951	ENSG00000131183	SLC34A1	30134	0.01	protein_coding	5	17686236	176825849	solute carrier family 34 (type II sodium/phosphate cotransporter), member 1
31952	ENSG00000105338	NLGN3	30135	0.01	protein_coding	X	70394	70394	neuroligin 3
31959	ENSG00000270394		30144	0.01	protein_coding	4	11722016	117221520	MT-RNR2-like 13 (pseudogene)
31960	ENSG00000249773	MRFP17	30145	0.01	protein_coding	7	5594749	5602232	28S ribosomal protein S17, mitochondrial; HCG1984214, isoform CRA_a
31965	ENSG00000165673	EDC2D	30155	0.01	protein_coding	A	12917370	13007208	ecto-NOX disulfide-thiol exchanger 2
31974	ENSG00000105713	SLC3A13	30156	0.01	protein_coding	3	329578	329578	solute carrier family 3 (neurotransmitter transporter), member 13
31975	ENSG00000138738	PRDM5	30158	0.01	protein_coding	4	12160074	12184425	PR domain containing 5
31988	ENSG00000164843	MTMR9	30175	0.01	protein_coding	8	1141925	1141946	mytilabdomin related protein 1, isoform 1
31994	ENSG00000105712	MTMR5	30185	0.01	protein_coding	5	3222760	3223115	mytilabdomin related protein 12
31995	ENSG00000165800	C2orf82	30185	0.01	protein_coding	2	23371980	2337434	chromosome 2 open reading frame 82
32014	ENSG00000125884	BFP1	30200	0.01	protein_coding	20	1741559	1741596	beaded filament structural protein 1, isoform 1
32040	ENSG00000139269	CSRN1	30233	0.01	protein_coding	12	12689360	12689360	chromosome 2 open reading frame 8
32044	ENSG00000202780	FANK1	30236	0.01	protein_coding	10	127585108	127586611	fibronectin type III and ankyrin repeat domains 1
32051	ENSG00000184532	TBX20	30241	0.01	protein_coding	7	35242042	35259736	T-box 20
32056	ENSG00000130319	CHRM9	30244	0.01	protein_coding	1	23954965	24029700	cholinergic receptor, muscarinic 9
32058	ENSG00000128482	RNF112	30244	0.01	protein_coding	7	19314438	19320589	ring finger protein 112
32060	ENSG00000125962	ARMC5	30247	0.01	protein_coding	X	101854096	101859087	armadillo repeat containing, X-linked 5
32076	ENSG00000165488	TM6SF6C	30270	0.01	protein_coding	14	77569111	77726308	transmembrane protein 61C
32079	ENSG00000177062	WDR73	30272	0.01	protein_coding	15	8515899	8519754	WD repeat domain 73
32086	ENSG00000184786	TECT3	30277	0.01	protein_coding	6	170140210	170151655	I-complex-associated-testis-expressed 3
32091	ENSG00000202623	TYTPA	30278	0.01	protein_coding	14	2402439	2402439	thymine triphosphatase
32101	ENSG00000202484		30291	0.01	protein_coding	4	21967137	21967137	chromosome 9 open reading frame 53
32102	ENSG00000202610	C17orf107	30291	0.01	protein_coding	17	4802213	4802627	chromosome 17 open reading frame 107
32111	ENSG00000120344	WDR65	30304	0.01	protein_coding	5	140034281	140035709	WD repeat domain 65
32112	ENSG00000134207	SVT8	30305	0.01	protein_coding	1	11463193	11466541	synaptobrevin VI
32116	ENSG00000195886	MDCAM1	30309	0.01	protein_coding	19	489176	505347	mucosal vascular addressin cell adhesion molecule 1
32120	ENSG00000107080	ACTL8	30312	0.01	protein_coding	7	100240020	100254094	actinlike 8B
32126	ENSG00000108132	P4OX2B	30320	0.01	protein_coding	4	4174059	4175087	paired-like homeobox 2b
32133	ENSG00000049167	ERC8C	30324	0.01	protein_coding	5	6016958	6024000	excision repair cross-complementing rodent repair deficiency, complementation group 8
32138	ENSG00000105730	PCSK4	30324	0.01	protein_coding	5	14007132	14008348	low density lipoprotein receptor-like family A, 4
32137	ENSG00000058736	IL7RB	30329	0.01	protein_coding	3	5388007	5389927	interleukin 7 receptor B
32139	ENSG00000087842	ATP2B3	30331	0.01	protein_coding	X	15287314	15288387	ATPase, Ca ²⁺ -transporting, plasma membrane 3
32158	ENSG00000165509	PCSK1	30333	0.01	protein_coding	17	599417	600437	insulator complex subunit 2
32156	ENSG00000052921	NPFRR2	30343	0.01	protein_coding	4	72897521	73017184	neuropilin FF receptor 2
32176	ENSG00000164007	CLDN19	30367	0.01	protein_coding	1	4319874	4320525	claudin 19
32181	ENSG00000107731	SLC6A4	30367	0.01	protein_coding	1	558130	558130	solute carrier family 6 (neurotransmitter transporter), member 4
32187	ENSG00000197553	CYP2P1C1	30378	0.01	protein_coding	10	9482101	9482454	cytochrome P450, family 2B, subfamily C, polypeptide 1
32190	ENSG00000145777	TSLP	30378	0.01	protein_coding	5	11045760	11043722	thymic stromal lymphopoietin
32213	ENSG00000101781	FRS3	30379	0.01	protein_coding	19	22116378	22116378	beta-like RNA-mediated tyrosine kinase 2
32218	ENSG00000181653	NGS5	30399	0.01	protein_coding	17	42081914	42086431	5-oxo-L-proline synthase
32239	ENSG00000187528	PROCAT	30425	0.01	protein_coding	17	2703821	2703882	protein interacting with cyclin A1
32254	ENSG00000181611	PCDH11	30425	0.01	protein_coding	17	781617	781617	solute carrier family 26 (anion exchange), member 11
32258	ENSG00000281934	PCEHGA9	30442	0.01	protein_coding	5	140782520	140692546	protocadherin gamma subfamily A, 9
32261	ENSG00000155495	MAGEC1	30445	0.01	protein_coding	X	140891880	14089774	melanoma antigen family C, 1
32272	ENSG00000101198	NKAIN1	30455	0.01	protein_coding	20	6187236	6191486	Na ⁺ /K ⁺ -transporting ATPase interacting 4
32297	ENSG00000030125	LRF	30459	0.01	protein_coding	5	7803448	7803448	leucine rich repeat containing 2
32306	ENSG00000182372	CLN3	30489	0.01	protein_coding	8	1730474	1734738	ceroid lipofuscinosis, neuronal 8 (leptopy, progressive with mental retardation)
32307	ENSG00000139191	RN018	30489	0.01	protein_coding	13	9882826	9882919	RNA
32310	ENSG00000139115	MDC42	30489	0.01	protein_coding	13	4738626	4814157	MAM domain containing glycochondriolysosomal anchor 2
32311	ENSG00000181513	ACBD4	30492	0.01	protein_coding	17	4320967	43221548	acetyl-CoA binding domain containing 4
32328	ENSG00000204301	NOY1CH	30506	0.01	protein_coding	6	3214020	3219184	nothin 4
32337	ENSG00000101216	NOY1	30506	0.01	protein_coding	6	5221895	5223844	acyl-coenzyme A:acetyl-CoA ligase
32338	ENSG00000184163	FAM132A	30511	0.01	protein_coding	1	1177826	1181202	family with sequence similarity 132, member A
32330	ENSG00000170653	AT17	30527	0.01	protein_coding	12	53901849	5402199	activating transcription factor 7
32346	ENSG00000181744	LDN15A02	30540	0.01	protein_coding	19	22131876	22131174	low density lipoprotein receptor class A domain containing 2
32367	ENSG00000128733	DACH2	30540	0.01	protein_coding	5	8540362	8580767	dachsund homolog 2 (Drosophila)
32394	ENSG00000146013	GRK4	30559	0.01	protein_coding	5	13758880	13761008	GNF family sequence similarity 132, member A
32391	ENSG00000185366	SLC45A1	30561	0.01	protein_coding	1	30881917	31031855	Weaver syndrome 1
32407	ENSG00000182428	SLC45A1	30570	0.01	protein_coding	1	8377886	8404227	solute carrier family 45, member 1
32428	ENSG00000158883	FAM1802	30595	0.01	protein_coding	8	2194870	2196249	family with sequence similarity 180, member B2
32438	ENSG00000181644	SLC45A1	30595	0.01	protein_coding	1	4928148	4928148	synectin, beta, non-cytosolic 2
32444	ENSG00000004862	SNCAIP	30610	0.01	protein_coding	5	12164708	121799914	synuclein, alpha interacting protein
32447	ENSG00000144452	ABCA12	30615	0.01	protein_coding	2	21578628	21600351	ATP-binding cassette, sub-family A (ABC1), member 12
32452	ENSG00000202501	SLC6A11	30619	0.01	protein_coding	1	5321328	5321328	solute carrier family 6 (neurotransmitter transporter), member 5
32455	ENSG00000163395	IGFN1	30619	0.01	protein_coding	1	20115955	20119880	immunoglobulin-like and fibronectin type III domain containing 1
32468	ENSG00000164362	ERT	30638	0.01	protein_coding	5	1252302	1259194	telomerase reverse transcriptase
32470	ENSG00000101743	SVT9	30638	0.01	protein_coding	11	729032	7400273	synaptobrevin IX
32476	ENSG00000175891	PA2	30650	0.01	protein_coding	10	10246360	10258968	paired box 2
32478	ENSG00000174327	SLC16A13	30654	0.01	protein_coding	17	6938394	6943440	solute carrier family 16, member 13
32487	ENSG00000101678	SLC16A13	30654	0.01	protein_coding	12	491312	491312	potassium voltage-gated channel, shaker-related subfamily, member 6
32499	ENSG00000140015	KCNH9	30681	0.01	protein_coding	14	83173287	83168755	potassium voltage-gated channel, subfamily H (eag-related), member 5
32507	ENSG00000165885	ARHGAP42	30684	0.01	protein_coding	11	10058384	10068268	Rho GTPase activating protein 42
32517	ENSG00000095539	SEMA4G	30702	0.01	protein_coding	10	10272675	10274928	semaphorin domain, immunoglobulin domain (TM) and short cytoplasmic domain, semaphorin 4G
32548	ENSG00000131739	LRRCC1	30712	0.01	protein_coding	8	86019382	86068311	leucine rich repeat and coiled-coil centrosomal protein 1
32549	ENSG00000101326	SLC24A4	30712	0.01	protein_coding	12	788812	788812	solute carrier family 24 (sodium/calcium transporter), member 14
32565	ENSG00000111240	CLU2	30720	0.01	protein_coding	12	11147128	11147128	cut-like homeobox 2
32582	ENSG00000133958	UNC79	30786	0.01	protein_coding	12	9379565	94174222	unc-79 homolog (C. elegans)
32583	ENSG00000101569	HYC9B	30786	0.01	protein_coding	14	2381098	2381098	5-hydroxytryptamine (serotonin) receptor 10, 5a protein-coupled
32588	ENSG00000082405	ERIC1	30772	0.01	protein_coding	12	109975	105009	ELKS/RIBE-interacting-CAST family member 1
32594	ENSG00000114870	NEK11	30778	0.01	protein_coding	3	13074584	13109339	NIMA-related kinase 11
32598	ENSG00000101633	UNC79B	30778	0.01	protein_coding	10	100819	100819	glutamate receptor-associated, N-methyl-D-aspartate 3B
32601	ENSG00000184719	RNL5	30786	0.01	protein_coding	10	90033621	90344287	reninase, FAD-dependent amino oxidase
32602	ENSG00000215217	C5orf49	30788	0.01	protein_coding	5	7830491	7831603	chromosome 5 open reading frame 49
32605	ENSG00000181299	ZNF367	30792	0.01	protein_coding	19	3706719	3711849	zinc finger protein 367
32610	ENSG00000105714	KIF14	30794	0.01	protein_coding	19	20730222	20730222	Kv channel interacting protein 4
32613	ENSG00000215193	PEK2B	30804	0.01	protein_coding	22	1850608	1891305	peroxisomal biogenesis factor 2b
32620	ENSG00000125499	MST1	30811	0.01	protein_coding	1	15507919	15517653	mitsu1, mitochondrial distribution and morphology regulator
32623	ENSG00000194343	PAGE	30811	0.01	protein_coding	15	4058929	4058929	p21 protein-coupled, non-activated kinase 6
32642	ENSG00000170946	DNAJC24	30824	0.01	protein_coding	11	31391387	31463396	DnaJ (Hsp40) homolog, subfamily C, member 24
32644	ENSG00000185660	P1CH1	30826	0.01	protein_coding	9	9640286	9642938	pathed1
32651	ENSG00000194941	ZNF303	30826	0.01	protein_coding	9	8811253	8812450	zinc finger protein 303
32682	ENSG00000239382	ALKBH6	30853	0.01	protein_coding	19	3650522	3650522	alkB, alkylation repair homolog 6 (E. coli)
32685	ENSG00000087486	M8H	30857	0.01	protein_coding	1	7626287	7637823	miR8 homolog 4
32688	ENSG00000151247	IF74E	30857	0.01	protein_coding	17	9975265	9985158	eukaryotic translation initiation factor 4E
32703	ENSG00000115586	WNT6	30878	0.01	protein_coding	2	21973855	21973855	wingless-type MMTV integration site family, member 8
32708	ENSG00000187941	SOB3	30884	0.01					

33394	ENSG00000175048	ZDRHC14	31532.9	0.01	protein_coding	6	15782185	15809178	zinc finger, DHHC-type containing 14
33437	ENSG00000136525	MARPK2	31558.1	0.01	protein_coding	12	5387582	53893847	mitogen-activated protein kinase kinase kinase 12
33443	ENSG00000136995	GARNL3	31569.8	0.01	protein_coding	9	12999054	130155939	GTPase activating Rho/RacGAP domain-like 3
33454	ENSG00000149256	TENM4	31611.7	0.01	protein_coding	11	78363876	79151992	tenascin transmembrane protein 4
33458	ENSG00000179466	HIP1	31613.2	0.01	protein_coding	7	75162621	75688269	homologous interacting protein 1
33460	ENSG00000126366	CRNF143	31619.3	0.01	protein_coding	9	139317947	139390518	chromosome 5 open reading frame 163
33486	ENSG00000156687	UNC5D	31637.8	0.01	protein_coding	8	35092975	35094068	unc-5 homolog D (C. elegans)
33490	ENSG00000171751	LPRC3A	31642.4	0.01	protein_coding	3	169611216	169630174	locus coiled-coil containing 34
33512	ENSG00000090441	TFAP4	31663.1	0.01	protein_coding	16	4307181	43082879	transcription factor 4P4 (activating enhancer binding protein 4)
33528	ENSG00000196718	FAM197B	31677.2	0.01	protein_coding	14	45431411	45434334	family with sequence similarity 178, member B
33528	ENSG00000126200	PMIT7	31741.1	0.01	protein_coding	16	6884487	68849166	protein arginine methyltransferase 7
33601	ENSG00000189853	LH6	31750.6	0.01	protein_coding	9	14984868	14985105	RNA 5S rRNA homolog 6
33620	ENSG00000136918	WR38	31782	0.01	protein_coding	9	127815755	127820168	WD repeat domain 38
33650	ENSG00000098872	IFT14	31808.3	0.01	protein_coding	9	26947037	27062829	intraflagellar transport 14 homolog (Chlamydomonas)
33657	ENSG00000150378	CC2C7A	31814.4	0.01	protein_coding	2	13089860	130902707	coiled-coil domain containing 748
33663	ENSG00000204052	LRRRC73	31823.3	0.01	protein_coding	6	43474707	43478424	leucine rich repeat containing 73
33674	ENSG00000143624	INT3	31837.3	0.01	protein_coding	1	15370543	15374955	integrator complex subunit 3
33681	ENSG00000196239	ZNF749	31845.3	0.01	protein_coding	19	5766697	5766963	zinc finger protein 749
33685	ENSG00000143032	BARHL2	31847.8	0.01	protein_coding	1	91177096	91182794	Bar/Bar-like homeobox 2
33695	ENSG00000135517	LACE1	31856.3	0.01	protein_coding	6	108916088	108947999	lacination elevated 1
33721	ENSG00000122421	PCHRB1	31866	0.01	protein_coding	5	14072928	140829548	proteasome gamma subfamily B, 1
33725	ENSG00000175538	LPT2	31889.1	0.01	protein_coding	7	74020275	74024778	lipoylecyltransferase 2 (putative)
33734	ENSG00000209278	GPATCH2	31897.9	0.01	protein_coding	1	21760334	21760424	G patch domain containing 2
33753	ENSG00000105065	RLSH4H	31917.5	0.01	protein_coding	7	30067020	30170798	pleckstrin homology domain containing, family A (pleckstrin homology binding specific) member 8
33763	ENSG00000197647	NZF43	31928.7	0.01	protein_coding	19	12125547	12146556	zinc finger protein 433
33776	ENSG00000107545	CRAMP1L	31938.9	0.01	protein_coding	16	1862326	1727959	Crn, cramp-like (Drosophila)
33778	ENSG00000101028	PCDH12	31940	0.01	protein_coding	5	146589269	146591696	protocadherin beta 12
33779	ENSG00000133059	DBTYK	31941	0.01	protein_coding	1	20511832	20518027	dual serine-threonine and tyrosine protein kinase
33791	ENSG00000135622	SEMA4F	31949.5	0.01	protein_coding	2	74881355	74899186	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, semaphorin 4F
33799	ENSG00000185869	ZNF829	31956.8	0.01	protein_coding	19	37379026	37407193	zinc finger protein 829
33803	ENSG00000138101	DTNB	31959.3	0.01	protein_coding	2	25660067	25668053	dystrobrevin, beta
33808	ENSG00000109117	NILYB	31962.9	0.01	protein_coding	4	12386363	12384123	nuclei (nucleoside diphosphate linked) mostly X1-type motif 6
33839	ENSG00000185267	CONF	31999.1	0.01	protein_coding	10	14861249	14860574	central dopamine neurotrophic factor
33870	ENSG00000180263	FOG3	32034.4	0.01	protein_coding	12	95470525	95611268	FYVE, RhoGEF and PH domain containing 6
33973	ENSG00000126925	EFCA87	32133.3	0.01	protein_coding	1	6398164	6398164	E1-ward calcium binding domain 7
33974	ENSG00000154370	TRM11	32136.9	0.01	protein_coding	2	228581374	228594411	tripterine motif containing 11
34002	ENSG00000138411	HECW2	32161.4	0.01	protein_coding	2	19705654	197481584	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2
34038	ENSG00000146883	USP49	32253.1	0.01	protein_coding	6	4173764	41863099	ubiquitin specific peptidase 49
34044	ENSG00000144792	ZNF660	32214.5	0.01	protein_coding	3	44619715	44641186	zinc finger protein 660
34062	ENSG00000088135	KDMAA	32255.6	0.01	protein_coding	1	44115829	44171186	lysine (K)-specific demethylase 4A
34073	ENSG00000181345	RIFL3	32257.2	0.01	protein_coding	1	3837859	3837859	single transcriptional repressor 3
34084	ENSG00000181688	HKR1	32255.6	0.01	protein_coding	19	37803739	37809267	HKR1, GLK/Kruppel zinc finger family member
34135	ENSG00000111012	CYP27B1	32303.6	0.01	protein_coding	12	58166117	58168789	cytochrome P450, family 27, subfamily B, polypeptide 1
34250	ENSG00000134494	ANKRD2	32422.1	0.01	protein_coding	11	65964781	65971736	ankyrin repeat domain 42
34262	ENSG00000186421	HARBI1	32422.1	0.01	protein_coding	11	46624411	46624411	hairpin, transposase domain 1
34293	ENSG00000196741	ANKRD2	32424.3	0.01	protein_coding	X	47432970	47434207	chromosome X open reading frame 24
34378	ENSG00000101971	KLHL29	32553.3	0.01	protein_coding	2	2360109	23601481	kelch-like family member 29
34396	ENSG00000103410	MHS5	32555.6	0.01	protein_coding	6	31707725	31710222	muscle-specific protein 5
34488	ENSG00000205691	DYX1C1	32576.3	0.01	protein_coding	15	55732723	55804332	dyslexia susceptibility 1 candidate 1
34515	ENSG00000089723	OTUD7	32593	0.01	protein_coding	4	9442670	9451578	OTU domain, ubiquitin aldehyde binding 2
34522	ENSG00000108469	RECAL5	32596.2	0.01	protein_coding	5	73622925	73623269	RecA5 protein-like 5
34771	ENSG00000174899	FBXW8	32624.1	0.01	protein_coding	12	117348761	117468953	F-box and WD repeat domain containing 8
35078	ENSG00000088848	ALG9	33220.6	0.01	protein_coding	11	111652919	111742305	ALG9, alpha-1,2-mannosyltransferase
35084	ENSG00000119201	CRHR1	33211.2	0.01	protein_coding	12	27197343	27197383	RNA, SS ribosomal pseudogene 192
29550	ENSG00000251756	ZNF879	27860.9	0.01	rRNA	14	52159470	52159579	RNA, SS ribosomal pseudogene 385
29682	ENSG00000199316	ZNF879	27860.9	0.01	rRNA	1	87918923	87918959	RNA, SS ribosomal pseudogene 382
30177	ENSG00000202916	ZNF879	27860.9	0.01	rRNA	1	6506264	6506311	RNA, SS ribosomal pseudogene 405
30361	ENSG00000198407	ZNF879	27860.9	0.01	rRNA	10	13789796	13789916	RNA, SS ribosomal pseudogene 301
30445	ENSG00000212536	ZNF879	27847.7	0.01	rRNA	20	5076033	5079122	RNA, SS ribosomal pseudogene 474
30521	ENSG00000202326	ZNF879	27860.9	0.01	rRNA	1	18082822	18082822	RNA, SS ribosomal pseudogene 217
30577	ENSG00000202248	ZNF879	27860.9	0.01	rRNA	2	11701787	11701905	RNA, SS ribosomal pseudogene 85
30709	ENSG00000272253	ZNF879	27860.9	0.01	rRNA	14	6812822	6812928	SS ribosomal RNA
30794	ENSG00000186438	ZNF879	27860.9	0.01	rRNA	1	7022184	7022184	RNA, SS ribosomal pseudogene 319
31367	ENSG00000202260	ZNF879	27860.9	0.01	rRNA	13	51601883	51601988	RNA, SS ribosomal pseudogene 29
31551	ENSG00000199545	ZNF879	27949.9	0.01	rRNA	5	13803541	13803557	RNA, SS ribosomal pseudogene 195
31708	ENSG00000103941	ZNF879	27860.9	0.01	rRNA	11	4782163	4782163	RNA, SS ribosomal pseudogene 340
33122	ENSG00000202727	ZNF879	31276.8	0.01	rRNA	9	6840824	6840904	RNA, SS ribosomal pseudogene 284
33076	ENSG00000202850	ZNF879	27860.9	0.01	sense intronic	2	10739379	10740147	STGAL2 intronic transcript 1 (non-protein coding)
30138	ENSG00000102648	SNORD109A	29544.3	0.01	sense intronic	15	2528116	2528116	small nuclear RNA, C/D box 109A
31361	ENSG00000202248	FAM155A1T1	29544.3	0.01	sense intronic	2	85413532	85413376	TCF7L1 intronic transcript 1 (non-protein coding)
30004	ENSG00000126165	SNORD109A	29544.3	0.01	sense intronic	13	10844980	10844799	FAM155A intronic transcript 1 (non-protein coding)
30117	ENSG00000202916	SNORD109A	29544.3	0.01	sense intronic	4	1490814	1490814	WWTR1 intronic transcript 1 (non-protein coding)
30141	ENSG00000202916	SNORD109A	29544.3	0.01	sense intronic	3	65858490	65840233	MAGI1 intronic transcript 1 (non-protein coding)
33147	ENSG00000202850	SNORD109A	31302	0.01	sense intronic	1	15798340	15800096	KIRREL intronic transcript 1 (non-protein coding)
29400	ENSG00000202850	SNORD109A	31302	0.01	sense intronic	1	7513841	7513841	Small nuclear RNA SNORA7
24429	ENSG00000202850	SNORD109A	23507.4	0.01	sense intronic	2	135894126	135894126	Small nuclear RNA SNORA46
27483	ENSG00000212440	SNORD109A	29667.4	0.01	sense intronic	12	9432629	9439418	Small nuclear RNA SNORA75
30681	ENSG00000186111	SNORD109A	29232.3	0.01	sense intronic	12	1312625	1312625	Small nuclear RNA SNORA68
30280	ENSG00000201036	SNORD109A	29630.2	0.01	sense intronic	14	101445339	101445427	Small nuclear RNA SNORD113/SNORD114 family
30871	ENSG00000202186	SNORD109A	29148.2	0.01	sense intronic	1	15869860	15869799	Small Cap1 body specific RNA 21
30237	ENSG00000201710	SNORD109A	30101	0.01	sense intronic	16	10443809	10443809	Small nuclear RNA SNORD113/SNORD114 family
30781	ENSG00000202978	SNORD109A	30957.1	0.01	sense intronic	1	22878183	22878307	Small nuclear RNA SNORA51
33716	ENSG000002028832	SNORD109A	31877.3	0.01	sense intronic	7	10724308	10724392	Small nuclear RNA U109
14897	ENSG00000194888	SNORD109A	16235.1	0.01	sense intronic	3	10712699	10712622	RNA, U1 small nuclear 70, pseudogene 3
23712	ENSG00000202745	SNORD109A	22398.7	0.01	sense intronic	18	60338459	60338459	RNA, U1 small nuclear 152, pseudogene 8
23776	ENSG00000202294	SNORD109A	22254.5	0.01	sense intronic	X	10193355	10193341	RNA, U1 small nuclear 589, pseudogene 10
26419	ENSG00000202604	SNORD109A	25150.9	0.01	sense intronic	16	313614	3136301	RNA, U1 small nuclear 529, pseudogene 1
26396	ENSG00000202486	SNORD109A	26033.2	0.01	sense intronic	1	13742582	13742582	RNA, U1 small nuclear 460, pseudogene 9
28479	ENSG000002022872	SNORD109A	26953	0.01	sense intronic	3	42263332	42263332	RNA, U1 small nuclear 78, pseudogene 3
25342	ENSG00000202521	SNORD109A	27173.2	0.01	sense intronic	9	10078452	10078457	RNA, U1 small nuclear 916, pseudogene 1
29406	ENSG00000203033	SNORD109A	27838.4	0.01	sense intronic	1	27868861	27868862	RNA, U1 small nuclear 986, pseudogene 1
29628	ENSG000002027378	SNORD109A	29813.9	0.01	sense intronic	8	99475172	99475178	RNA, U1 small nuclear 746, pseudogene 8
29678	ENSG00000202192	SNORD109A	28257	0.01	sense intronic	11	74079224	74079357	RNA, U1 small nuclear 216, pseudogene 1
30066	EN								

30877	ENSG00000188662	HILST	29150	0.01	unprocessed_pseudogene	17	48248789	48258539	histone linker H1 domain, spermatid-specific 1, pseudogene
31762	ENSG00000205927	ZNF252P	31925	0.01	unprocessed_pseudogene	8	14818975	14812931	zinc finger protein 252, pseudogene
28709	ENSG00000230252		27186	0.01	unprocessed_pseudogene	7	63570925	63571508	MT-ND2 pseudogene 4
29121	ENSG00000241621		27555	0.01	unprocessed_pseudogene	10	30653339	30663115	palpzin A2 pseudogene 6
26223	ENSG00000181900		27669	0.01	unprocessed_pseudogene	3	67951196	67958125	olfactory receptor, family 5, subfamily H, member 7 pseudogene
29612	ENSG00000195312		28917	0.01	unprocessed_pseudogene	9	66960115	66964189	BMX1 pseudogene 3
30008	ENSG00000208138		28384	0.01	unprocessed_pseudogene	19	22846724	22855438	zinc finger protein 209, pseudogene
31019	ENSG00000266297		29581	0.01	unprocessed_pseudogene	19	785435	785507	C-type lectin domain family 4, member G pseudogene 1
31377	ENSG00000178988	HGC4	29596	0.01	unprocessed_pseudogene	6	29758816	29760850	HLA complex group 4 (non-protein coding)
31460	ENSG00000215914		29673	0.01	unprocessed_pseudogene	1	1631369	1631369	matrix metalloproteinase 23A (pseudogene)
32495	ENSG00000215244		30236	0.01	unprocessed_pseudogene	11	12094475	12096299	histone cluster 2, H3G pseudogene 1
32959	ENSG00000208527		30795	0.01	unprocessed_pseudogene	19	21306620	21306891	vimentin-associated 1 receptor 81 pseudogene
33079	ENSG00000224877		31236	0.01	unprocessed_pseudogene	15	43841321	43841478	protein disulfide isomerase family A, member 3 pseudogene 2
6809	ENSG00000118399		11389	0.01	unprocessed_pseudogene	14	108539079	108539577	immunoglobulin heavy variable 1-8
8001	ENSG00000200674	CCL16	11716	0.01	unprocessed_pseudogene	17	34391640	34399392	chemokine (C-C motif) ligand 16 (autonomous and activation-regulated)
9733	ENSG00000154035	C17orf103	12140	0.01	unprocessed_pseudogene	17	21142183	21156722	chromosome 17 open reading frame 103
13456	ENSG00000235200		15070	0.01	unprocessed_pseudogene				
14870	ENSG00000235983		16139	0.01	unprocessed_pseudogene				
14881	ENSG00000230777		16146	0.01	unprocessed_pseudogene				
15077	ENSG00000217039		16509	0.01	unprocessed_pseudogene				
15317	ENSG00000211259		16616	0.01	unprocessed_pseudogene				
15566	ENSG00000207834		16679	0.01	unprocessed_pseudogene				
16862	ENSG00000182500	ORAI1	16754	0.01	unprocessed_pseudogene	12	122064455	122080583	ORAI calcium release-activated calcium modulator 1
19207	ENSG00000227115		16929	0.01	unprocessed_pseudogene				
16200	ENSG00000243199		17176	0.01	unprocessed_pseudogene				
16849	ENSG00000183298		17677	0.01	unprocessed_pseudogene				
19320	ENSG00000184399		17727	0.01	unprocessed_pseudogene				
16940	ENSG00000213058		17751	0.01	unprocessed_pseudogene				
17420	ENSG00000256206		18076	0.01	unprocessed_pseudogene				
17640	ENSG00000256227		18331	0.01	unprocessed_pseudogene				
17877	ENSG00000225916		18403	0.01	unprocessed_pseudogene				
17893	ENSG00000259781		18412	0.01	unprocessed_pseudogene				
17908	ENSG00000234332		18426	0.01	unprocessed_pseudogene				
18448	ENSG00000227591		18535	0.01	unprocessed_pseudogene				
18688	ENSG00000257511		19009	0.01	unprocessed_pseudogene				
19193	ENSG00000236813		19088	0.01	unprocessed_pseudogene				
19686	ENSG00000229944		19779	0.01	unprocessed_pseudogene				
20220	ENSG000002081353		20201	0.01	unprocessed_pseudogene				
21010	ENSG00000211129	HSFX2	20601	0.01	unprocessed_pseudogene	X	148674172	148678974	heat shock transcription factor family, X linked 2
21597	ENSG00000230956		21266	0.01	unprocessed_pseudogene				
22287	ENSG00000226021	CCL3L1	21789	0.01	unprocessed_pseudogene	17	34623842	34625731	chemokine (C-C motif) ligand 3-like 1
22294	ENSG00000214919		21791	0.01	unprocessed_pseudogene				
22902	ENSG00000211047		22266	0.01	unprocessed_pseudogene				
24032	ENSG00000236345		23169	0.01	unprocessed_pseudogene				
24258	ENSG00000216037		23007	0.01	unprocessed_pseudogene				
24462	ENSG00000235983		23532	0.01	unprocessed_pseudogene				
24738	ENSG00000241556		23764	0.01	unprocessed_pseudogene				
24749	ENSG00000206923		23773	0.01	unprocessed_pseudogene				
24772	ENSG00000183086		23802	0.01	unprocessed_pseudogene	7	74379083	74438803	GATS protein-like 1
24820	ENSG00000271199		23847	0.01	unprocessed_pseudogene				
24803	ENSG00000259249		23904	0.01	unprocessed_pseudogene				
24964	ENSG00000235251		23988	0.01	unprocessed_pseudogene				
25219	ENSG00000243273		24165	0.01	unprocessed_pseudogene				
25327	ENSG00000232496	RNVU1-20	24255	0.01	unprocessed_pseudogene	1	149605917	149606079	RNA, variant U1 small nuclear 20
25564	ENSG00000234024		24440	0.01	unprocessed_pseudogene				
25631	ENSG00000266389		24524	0.01	unprocessed_pseudogene				
25649	ENSG00000235225	HIST1D3A	24517	0.01	unprocessed_pseudogene	6	27839623	27840099	histone cluster 1, H3i
25820	ENSG00000218225		24628	0.01	unprocessed_pseudogene	12	2969115	2969119	Y RNA
25865	ENSG00000222493		24693	0.01	unprocessed_pseudogene				
25943	ENSG00000233433		24754	0.01	unprocessed_pseudogene				
25966	ENSG00000234332		24765	0.01	unprocessed_pseudogene				
26007	ENSG00000207835		24805	0.01	unprocessed_pseudogene				
26115	ENSG00000252124		24895	0.01	unprocessed_pseudogene				
26173	ENSG00000212792		24945	0.01	unprocessed_pseudogene				
26434	ENSG00000249713		25167	0.01	unprocessed_pseudogene				
26488	ENSG00000259595	GNBP2	25227	0.01	unprocessed_pseudogene	17	34900737	34946278	gametoneurin binding protein 2
26580	ENSG00000234264		25231	0.01	unprocessed_pseudogene				
26636	ENSG00000251017		25348	0.01	unprocessed_pseudogene				
26994	ENSG00000290896		25389	0.01	unprocessed_pseudogene				
26738	ENSG00000223888		25432	0.01	unprocessed_pseudogene				
26798	ENSG00000224839		25489	0.01	unprocessed_pseudogene				
26881	ENSG00000278029	GTF2I	25449	0.01	unprocessed_pseudogene	7	74071994	74175026	general transcription factor IIi
26923	ENSG00000234741		25583	0.01	unprocessed_pseudogene				
27093	ENSG00000239813		25746	0.01	unprocessed_pseudogene				
27206	ENSG00000225976		25850	0.01	unprocessed_pseudogene				
27291	ENSG00000214588	AGAP1	25824	0.01	unprocessed_pseudogene	10	51224681	51371321	AGAP with GTPase domain, ankryn repeat and PH domain 8
27286	ENSG00000277708		25904	0.01	unprocessed_pseudogene				
27297	ENSG00000215902		25915	0.01	unprocessed_pseudogene	1	28527013	28527152	Uncharacterized protein
27384	ENSG00000222388		25982	0.01	unprocessed_pseudogene				
27452	ENSG00000236035		26037	0.01	unprocessed_pseudogene				
27463	ENSG00000287315		26044	0.01	unprocessed_pseudogene				
27467	ENSG00000223533		26048	0.01	unprocessed_pseudogene				
27514	ENSG00000219150		26096	0.01	unprocessed_pseudogene				
27535	ENSG00000255266		26104	0.01	unprocessed_pseudogene				
27568	ENSG00000191697	HIST1H2BG	26131	0.01	unprocessed_pseudogene	6	26183958	26184454	histone cluster 1, H2be
27569	ENSG00000210717		26133	0.01	unprocessed_pseudogene				
27573	ENSG00000217844		26225	0.01	unprocessed_pseudogene				
27727	ENSG00000216127		26270	0.01	unprocessed_pseudogene				
27748	ENSG00000226945		26276	0.01	unprocessed_pseudogene				
27805	ENSG00000244535		26335	0.01	unprocessed_pseudogene				
27804	ENSG00000241991		26336	0.01	unprocessed_pseudogene				
27854	ENSG00000230364		26353	0.01	unprocessed_pseudogene				
27871	ENSG00000227940		26388	0.01	unprocessed_pseudogene				
27907	ENSG00000259895		26429	0.01	unprocessed_pseudogene				
27869	ENSG00000272520		26484	0.01	unprocessed_pseudogene				
28000	ENSG00000238868		26506	0.01	unprocessed_pseudogene	7	140075363	140075486	Small nuclear RNA U13
28025	ENSG00000291342		26526	0.01	unprocessed_pseudogene				
28064	ENSG00000220139		26549	0.01	unprocessed_pseudogene				
28061	ENSG000002081526		26566	0.01	unprocessed_pseudogene				
28095	ENSG00000255348		26576	0.01	unprocessed_pseudogene				
28071	ENSG00000211348		26582	0.01	unprocessed_pseudogene				
28098	ENSG000002031029		26604	0.01	unprocessed_pseudogene				
28125	ENSG00000224789		26630	0.01	unprocessed_pseudogene				
28164	ENSG00000211933		26681	0.01	unprocessed_pseudogene				
28182	ENSG00000226409		26684	0.01	unprocessed_pseudogene				
28213	ENSG00000251451		26712	0.01	unprocessed_pseudogene				
28218	ENSG00000228922		26746	0.01	unprocessed_pseudogene				
28224	ENSG00000233536		26750	0.01	unprocessed_pseudogene				
28236	ENSG00000231252		26739	0.01	unprocessed_pseudogene				
28243	ENSG00000234484		26740	0.01	unprocessed_pseudogene				
28296	ENSG00000224761		26784	0.01	unprocessed_pseudogene				
28316	ENSG00000231222		26810	0.01	unprocessed_pseudogene				
28322	ENSG00000232024		26813	0.01	unprocessed_pseudogene				
28391	ENSG00000226925		26870	0.01	unprocessed_pseudogene	10	135341026	135342601	Uncharacterized protein
28395	ENSG00000238055		26877	0.01	unprocessed_pseudogene				
28409	ENSG00000235658		26889	0.01	unprocessed_pseudogene				
28418	ENSG000002262905		26895	0.01	unprocessed_pseudogene				
28436	ENSG00000233894		26914	0.01	unprocessed_pseudogene				
28437	ENSG00000231198		26916	0.01	unprocessed_pseudogene				

29044	ENSG00000260778		27494.6	0.01						
29108	ENSG00000271068		27548.7	0.01						
29117	ENSG00000198750	GATS1	27553.2	0.01	7	74807499	74807509			GATS protein-like 2
29125	ENSG00000261368		27560.9	0.01						
29128	ENSG00000272139		27562.2	0.01						
29161	ENSG00000267674		27601.6	0.01						
29167	ENSG00000197334		27605.5	0.01						
29168	ENSG00000215529		27605.6	0.01						
29176	ENSG00000269210		27613.5	0.01						
29184	ENSG00000237444		27620.2	0.01						
29187	ENSG00000272396		27622.6	0.01						
29192	ENSG00000292959		27628.6	0.01						
29207	ENSG00000232913		27648.6	0.01						
29240	ENSG00000214043		27672.3	0.01						
29247	ENSG00000229292		27678.4	0.01						
29248	ENSG00000224279		27680.7	0.01						
29296	ENSG00000259615		27687.9	0.01						
29298	ENSG00000231259		27696.7	0.01						
29275	ENSG00000258918		27700.2	0.01						
29281	ENSG00000263655		27707.6	0.01						
29298	ENSG00000231745		27713.3	0.01						
29292	ENSG00000236013		27721.1	0.01						
29317	ENSG00000242990		27754.1	0.01						
29330	ENSG00000255420		27782.8	0.01						
29340	ENSG00000237401		27770	0.01						
29351	ENSG00000259886		27775.3	0.01						
29368	ENSG00000221528		27785.4	0.01						
29363	ENSG00000231132		27790.4	0.01						
29368	ENSG00000248285		27795.2	0.01						
29372	ENSG00000269600		27802.3	0.01						
29390	ENSG00000220354		27812.7	0.01						
29419	ENSG00000244310		27844.4	0.01						
29427	ENSG00000233447		27855	0.01						
29433	ENSG00000231898		27858.6	0.01						
29435	ENSG00000253347		27860.1	0.01						
29437	ENSG00000244841		27863.1	0.01						
29481	ENSG00000261848		27901	0.01						
29499	ENSG00000258410		27918.7	0.01						
29517	ENSG00000252781		27928.2	0.01						
29567	ENSG00000242209		27974.4	0.01						
29597	ENSG00000232979		28004.5	0.01						
29605	ENSG00000255145		28008	0.01						
29602	ENSG00000270919		28009.6	0.01						
29611	ENSG00000259840		28014.4	0.01						
29614	ENSG00000260429		28019	0.01						
29649	ENSG00000270987		28031.3	0.01						
29636	ENSG00000237329		28036	0.01						
29654	ENSG00000267184		28048.2	0.01						
29656	ENSG00000234764		28049.5	0.01						
29660	ENSG00000228043		28053.4	0.01						
29661	ENSG00000251076		28053	0.01						
29671	ENSG00000281521		28062.6	0.01						
29681	ENSG00000227718		28071.9	0.01						
29704	ENSG00000269021		28099	0.01						
29710	ENSG00000235817		28097.3	0.01						
29724	ENSG00000258583		28108.1	0.01						
29735	ENSG00000219882		28119	0.01						
29728	ENSG00000289119		28120.8	0.01						
29738	ENSG00000228401		28123.7	0.01						
29763	ENSG00000244146		28141.1	0.01						
29764	ENSG00000245361		28141.6	0.01						
29769	ENSG00000224265		28152.6	0.01						
29772	ENSG00000230550		28153.7	0.01						
29774	ENSG00000263528		28156.5	0.01						
29785	ENSG00000272256		28165.8	0.01						
29788	ENSG00000228844		28171.3	0.01						
29797	ENSG00000222462		28178.8	0.01						
29814	ENSG00000255010		28194	0.01						
29831	ENSG00000269156		28214.2	0.01						
29835	ENSG00000244681		28218.3	0.01						
29837	ENSG00000250619		28219.5	0.01						
29845	ENSG00000238722		28228.3	0.01	2	3079444	3079544			Small nuclear RNA U13
29861	ENSG00000268528		28241.2	0.01						
29863	ENSG00000258731		28243.1	0.01						
29865	ENSG00000258520		28244.4	0.01						
29867	ENSG00000263581		28243.9	0.01						
29871	ENSG00000207833		28248.9	0.01						
29879	ENSG00000269082		28259.2	0.01						
29885	ENSG00000252289		28263.3	0.01						
29912	ENSG00000232783		28285.3	0.01						
29943	ENSG00000269344		28312.6	0.01						
29947	ENSG00000231388		28314.4	0.01						
29954	ENSG00000228354		28315.6	0.01						
29955	ENSG00000259033		28315.8	0.01						
29965	ENSG00000234600		28325.3	0.01						
29966	ENSG00000271308		28326.8	0.01						
29985	ENSG00000254372		28358.4	0.01						
30012	ENSG00000259119		28386.1	0.01						
30029	ENSG00000214776		28398	0.01						
30031	ENSG00000242952		28399.9	0.01						
30044	ENSG00000236149		28416.6	0.01						
30047	ENSG00000269329		28418.5	0.01						
30063	ENSG00000226971		28432.4	0.01						
30091	ENSG00000267699		28452.4	0.01						
30104	ENSG00000231016		28469.4	0.01						
30110	ENSG00000268579		28474.9	0.01						
30117	ENSG00000270935		28492	0.01						
30124	ENSG00000271787		28493.5	0.01						
30127	ENSG00000232183		28491.2	0.01						
30143	ENSG00000229995		28506.1	0.01						
30146	ENSG00000215275		28514.4	0.01						
30159	ENSG00000236393	PTPN22B	28518	0.01	10	48736874	48827966			protein tyrosine phosphatase, non-receptor type 20B
30181	ENSG00000210945		28535.5	0.01						
30206	ENSG00000210968		28555.7	0.01						
30205	ENSG00000248797		28556.8	0.01						
30213	ENSG00000235835		28562.5	0.01						
30240	ENSG00000231300		28590.5	0.01						
30256	ENSG00000214556	C17orf8	28614.2	0.01	17	36891341	36897708			chromosome 17 open reading frame 8
30270	ENSG00000217379		28625.2	0.01						
30303	ENSG00000232577		28643.8	0.01						
30305	ENSG00000250350		28645.5	0.01						
30310	ENSG00000250102		28648.8	0.01						
30325	ENSG00000234715		28654.7	0.01						
30326	ENSG00000228919		28655.1	0.01						
30328	ENSG00000252921		28657.1	0.01						
30377	ENSG00000271273		28699.9	0.01						
30378	ENSG00000237389		28701	0.01						
30390	ENSG00000238866		28709.4	0.01						
30393	ENSG00000231528		28712	0.01						
30394	ENSG00000259798		28712.2	0.01						
30403	ENSG00000227544		28718.2	0.01						
30405	ENSG00000255650		28719.7	0.01						
30411	ENSG00000227308		28724.4	0.01						
30423	ENSG00000224828		28731.5	0.01						
30429	ENSG00000214961		28733	0.01						
30446	ENSG00000233023		28750.4	0.01						
30480	ENSG00000256972		28773	0.01						
30482	ENSG00000259046		28775.4	0.01						
30485	ENSG00000214917		28778.6	0.01						
30490	ENSG00000267429		28780.6	0.01						
30496	ENSG00000252864		28786.9	0.01						
30502	ENSG00000234356		28789.5	0.01						
30503	ENSG00000255572		28790.3	0.01						
30544	ENSG00000269004		28824.6	0.01						
30562	ENSG00000269286		28838.6	0.01						
30580	ENSG00000268108		28853.9	0.01						
30584	ENSG00000229931		28861.6	0.01						
30593	ENSG00000261743		28867.5	0.01						
30615	ENSG00000268289		28882.8	0.01						
30637	ENSG00000259280		28912.8	0.01						
30653	ENSG00000259359		28930.3	0.01						
30660	ENSG00000273690		28935.9	0.01						
30688	ENSG00000259783		28980.6	0.01						
30695	ENSG00000259598		28970.4	0.01						
30716	ENSG00000261712		28984.1	0.01						
30769	ENSG00000228033		29049.9	0.01						
30781	ENSG00000232438		29061	0.01						
30782	ENSG00000239335		29061.7</							

30852	ENSG00000224427		29126.2	0.01				
30861	ENSG00000205556		29137.6	0.01				
30873	ENSG00000226702		29147	0.01				
30878	ENSG00000226744		29150.3	0.01				
30881	ENSG00000221802		29152.5	0.01				
30919	ENSG00000224252		29175.2	0.01				
30926	ENSG000002236514		29185.7	0.01				
30928	ENSG00000204470		29189	0.01				
30938	ENSG00000208976		29195.1	0.01				
30984	ENSG00000257002		29217.2	0.01				
30982	ENSG00000271522		29233.4	0.01				
30984	ENSG00000225256		29236.7	0.01				
30988	ENSG00000272864		29242.3	0.01				
30992	ENSG00000213970		29243.1	0.01				
31001	ENSG00000203178		29253.4	0.01				
31012	ENSG000002064078		29260.8	0.01				
31021	ENSG00000225392		29266.5	0.01				
31036	ENSG000002049779		29277.9	0.01				
31038	ENSG000002058700		29279.1	0.01				
31042	ENSG00000196285		29281.7	0.01				
31048	ENSG000002029113		29290.9	0.01				
31058	ENSG000002080614		29295.8	0.01				
31064	ENSG000002064007		29301.5	0.01				
31078	ENSG000002056255		29312.4	0.01				
31088	ENSG00000270947		29319.3	0.01				
31107	ENSG000002089194		29331.5	0.01				
31110	ENSG000002020703		29332.4	0.01				
31116	ENSG00000213642		29337.5	0.01				
31121	ENSG000002026771		29341.4	0.01				
31132	ENSG000002026047		29354.3	0.01				
31178	ENSG000002083503		29402.5	0.01				
31185	ENSG000002089746		29409.6	0.01	16	70236303	70236683	Uncharacterized protein
31188	ENSG000002036073		29412.1	0.01				
31226	ENSG00000227112		29446.3	0.01				
31232	ENSG00000227237		29450.1	0.01				
31253	ENSG00000203789		29474.2	0.01				
31264	ENSG00000272764		29481.6	0.01				
31266	ENSG000002031033		29483.5	0.01				
31281	ENSG000002055969		29493.7	0.01				
31282	ENSG00000233515		29500	0.01				
31299	ENSG00000232233		29509.7	0.01				
31314	ENSG000002027549		29527.8	0.01				
31346	ENSG000002087505		29568.2	0.01				
31353	ENSG00000270575		29573.5	0.01				
31366	ENSG00000206526		29582.6	0.01				
31369	ENSG000002056243		29586.6	0.01				
31370	ENSG000002087052		29589.4	0.01				
31379	ENSG000002087620		29588.5	0.01				
31383	ENSG000002027633		29591.7	0.01				
31392	ENSG00000227064		29608.3	0.01				
31408	ENSG00000224413		29625.3	0.01				
31408	ENSG00000214317		29626.4	0.01				
31413	ENSG00000270581		29633.1	0.01				
31424	ENSG00000272019		29642.6	0.01				
31466	ENSG000002059495		29676.9	0.01				
31467	ENSG000002056034		29678.3	0.01				
31470	ENSG00000226285		29683.5	0.01				
31473	ENSG00000208496		29684.5	0.01				
31481	ENSG000002087602		29690.2	0.01				
31485	ENSG000002052873		29691.9	0.01	14	101383915	101383982	Small nuclear RNA SNORD112
31497	ENSG000002026073		29702.4	0.01				
31498	ENSG000002033654		29702.5	0.01				
31515	ENSG00000233487		29720.6	0.01				
31516	ENSG00000203499		29721.5	0.01				
31525	ENSG00000238541		29726	0.01	4	57972409	57972511	Small nuclear RNA U13
31531	ENSG00000229368		29735	0.01				
31561	ENSG00000204848		29737.1	0.01				
31568	ENSG00000228606		29761.7	0.01				
31593	ENSG000002051129		29790.7	0.01				
31598	ENSG00000202041		29794	0.01				
31597	ENSG00000206367		29794.1	0.01				
31605	ENSG000002083860		29805.4	0.01				
31642	ENSG00000203871		29831.7	0.01				
31643	ENSG00000197047		29833	0.01				
31646	ENSG00000203696		29835.3	0.01				
31647	ENSG00000205553		29835.3	0.01				
31652	ENSG00000208995		29841.4	0.01				
31657	ENSG00000208404		29844.8	0.01				
31681	ENSG00000205647		29843.7	0.01				
31681	ENSG00000238388		29866.5	0.01	11	100805005	100805109	Small nuclear RNA U13
31698	ENSG00000271770		29888.6	0.01				
31732	ENSG00000202709		29915.1	0.01				
31742	ENSG000002058208		29927.4	0.01				
31766	ENSG00000270933		29943.1	0.01				
31768	ENSG000002097363		29949	0.01				
31763	ENSG000002027659		29951.3	0.01				
31766	ENSG000002053917		29952.5	0.01				
31800	ENSG00000205959		29991.1	0.01				
31804	ENSG000002027252		29997	0.01				
31807	ENSG00000232599		30002.5	0.01				
31817	ENSG00000206375		30012.5	0.01				
31818	ENSG00000203269		30013.5	0.01				
31827	ENSG000002086303		30022.8	0.01				
31831	ENSG000002057243		30026.7	0.01				
31834	ENSG00000205401		30028	0.01				
31839	ENSG000002058649		30032.9	0.01				
31842	ENSG000002090898		30035.9	0.01				
31846	ENSG000002020208		30041.3	0.01				
31847	ENSG000002081578		30041.5	0.01				
31862	ENSG000002054006		30055.4	0.01				
31863	ENSG000002026292		30052.4	0.01				
31866	ENSG000002026439		30057.2	0.01				
31876	ENSG00000272597		30066.8	0.01				
31881	ENSG00000205194		30069.5	0.01				
31882	ENSG00000272189		30070.3	0.01				
31883	ENSG00000206295		30071.6	0.01				
31884	ENSG00000205695		30071.6	0.01				
31889	ENSG000002048206		30076.5	0.01				
31896	ENSG00000224321		30089.5	0.01				
31900	ENSG00000208702		30092.6	0.01				
31904	ENSG00000206403		30093.4	0.01				
31913	ENSG00000272029		30106.3	0.01				
31923	ENSG00000203565		30111.2	0.01				
31935	ENSG000002081243		30126.7	0.01				
31938	ENSG00000227172		30127.8	0.01				
31948	ENSG00000202048		30133.8	0.01				
31955	ENSG000002081588		30139.2	0.01				
31964	ENSG000002059959		30152	0.01				
31973	ENSG000002057487		30163.8	0.01				
31991	ENSG000002024985		30183.1	0.01				
31993	ENSG000002087942		30183.9	0.01	12	66291518	66317867	Uncharacterized protein
31998	ENSG00000208946		30189.2	0.01				
32001	ENSG000002054514		30190.5	0.01				
32016	ENSG000002028972		30200.7	0.01				
32035	ENSG00000201548		30222	0.01				
32036	ENSG000002022284	CT45A5	30223.5	0.01	X	134845598	134895394	cancer/testis antigen family 45, member A5
32039	ENSG00000273301		30229.2	0.01				
32046	ENSG000002026386		30238.5	0.01				
32056	ENSG000002049492		30246	0.01				
32068	ENSG00000272338		30254.7	0.01				
32068	ENSG000002041917		30257.6	0.01				
32070	ENSG0000021786		30258.9	0.01				
32082	ENSG00000223523		30274.3	0.01				
32085	ENSG00000202174		30277.9	0.01				
32087	ENSG00000272459		30278.2	0.01				
32108	ENSG000002041160		30296.5	0.01				
32115	ENSG00000272992		30308.7	0.01				
32123	ENSG000002051153		30316.6	0.01				
32138	ENSG000002040661		30330.3	0.01				
32146	ENSG000002024199		30337.4	0.01				
32149	ENSG00000202596		30340.7	0.01				
32184	ENSG000002036889		30373.8	0.01				
32196	ENSG000002058162		30385.6	0.01				
32200	ENSG000002053333		30389.2	0.01				
32204	ENSG000002056756		30392	0.01				
32221	ENSG000002087226		30403.8	0.01				
32224	ENSG000002081407		30409.8	0.01				
32233	ENSG000002081379		30421.6	0.01				
32251	ENSG000002058780		30436.5	0.01				
32257	ENSG000002021427		30441.7	0.01				
32270	ENSG00000213184		30463.2	0.01				

32276	ENSG00000285892		30487	0.01				
32281	ENSG00000285891		30477.3	0.01				
32292	ENSG00000285918		30480.1	0.01				
32293	ENSG00000233860		30480.3	0.01				
32300	ENSG00000285698		30485.9	0.01				
32309	ENSG00000285462		30491.2	0.01				
32313	ENSG00000247011		30494.4	0.01				
32316	ENSG00000225210		30497.5	0.01				
32320	ENSG00000285783		30502.3	0.01				
32329	ENSG00000256282		30507.4	0.01				
32338	ENSG00000272554		30510.1	0.01				
32366	ENSG00000232928		30538.6	0.01				
32377	ENSG00000254545		30546.1	0.01				
32380	ENSG00000231863		30548.5	0.01				
32388	ENSG00000232953		30547.8	0.01				
32393	ENSG00000256655	8	30559.4	0.01	128959126	128960591		transmembrane protein 75
32400	ENSG00000228015		30565.8	0.01				
32404	ENSG00000245750		30567.7	0.01				
32413	ENSG00000225665		30575.3	0.01				
32420	ENSG00000256914		30582.4	0.01				
32434	ENSG00000231705		30592.7	0.01				
32443	ENSG00000272859		30610.6	0.01				
32460	ENSG00000285962		30628	0.01				
32468	ENSG00000213937		30635.3	0.01				
32467	ENSG00000234678		30637.8	0.01				
32469	ENSG00000287801		30638.7	0.01				
32474	ENSG00000289252		30645.9	0.01				
32485	ENSG00000248859		30662.8	0.01				
32486	ENSG00000289814		30662.9	0.01				
32500	ENSG00000232748		30682.3	0.01				
32509	ENSG00000253688		30695.1	0.01				
32530	ENSG00000281202		30713.7	0.01				
32538	ENSG00000237055		30718.4	0.01				
32541	ENSG00000259308		30722	0.01				
32543	ENSG00000256885		30725.5	0.01				
32548	ENSG00000232593		30734.1	0.01				
32553	ENSG00000238404		30736.9	0.01				
32559	ENSG00000271780		30741.9	0.01				
32573	ENSG00000231298		30758.5	0.01				
32575	ENSG00000219951		30758.2	0.01				
32600	ENSG00000282801		30786.6	0.01				
32608	ENSG00000285715		30793.7	0.01				
32614	ENSG00000242527		30804.9	0.01				
32624	ENSG00000281777		30814	0.01				
32638	ENSG00000246099		30822	0.01				
32641	ENSG00000285597		30823.3	0.01				
32656	ENSG00000232335		30834.1	0.01				
32667	ENSG00000226589		30841.7	0.01				
32685	ENSG00000184111		30855.1	0.01				
32688	ENSG00000272068		30858	0.01				
32698	ENSG00000226539		30859.6	0.01				
32694	ENSG00000286218		30861.6	0.01				
32700	ENSG00000286632	MIR4726	30871.1	0.01	17	36875944	36876001	microRNA 4726
32709	ENSG00000285399		30882.5	0.01				
32714	ENSG00000285458		30890	0.01				
32716	ENSG00000251303		30891.3	0.01				
32718	ENSG00000232876		30892.4	0.01				
32727	ENSG00000271828		30904.1	0.01				
32740	ENSG00000197723	HSPB9	30916	0.01	17	40274756	40275371	heat shock protein, alpha-crystallin-related, B9
32745	ENSG00000232273		30919.7	0.01				
32759	ENSG00000231465		30918.4	0.01				
32762	ENSG00000285933		30931.2	0.01				
32773	ENSG00000258486		30948.6	0.01				
32775	ENSG00000286117		30948.9	0.01				
32789	ENSG00000287581		30962.6	0.01				
32810	ENSG00000285588		30977.7	0.01				
32830	ENSG00000234927		31000.5	0.01				
32841	ENSG00000255992		31008.1	0.01				
32851	ENSG00000231702		31023.3	0.01				
32852	ENSG00000285664		31025.6	0.01				
32853	ENSG00000272202		31027.3	0.01				
32869	ENSG00000241764		31039.7	0.01				
32875	ENSG00000286004		31043.6	0.01				
32882	ENSG00000272882		31050.3	0.01				
32883	ENSG00000232848		31051.1	0.01				
32885	ENSG00000233343		31052.3	0.01				
32892	ENSG00000231495		31058.9	0.01				
32896	ENSG00000257531		31061.6	0.01				
32900	ENSG00000232844		31066.2	0.01				
32904	ENSG00000255937		31070.2	0.01				
32918	ENSG00000272030		31085.9	0.01				
32922	ENSG00000285992		31088.8	0.01				
32923	ENSG00000253404		31088.9	0.01				
32939	ENSG00000280577		31105	0.01				
32945	ENSG00000237231		31105.3	0.01				
32945	ENSG00000232954		31113.7	0.01				
32948	ENSG00000272831		31118.3	0.01				
32949	ENSG00000285462		31117.9	0.01				
32952	ENSG00000286937		31156.3	0.01				
32985	ENSG00000217060		31158.8	0.01				
32988	ENSG00000231982		31162.5	0.01				
32990	ENSG00000232028		31163.5	0.01				
32997	ENSG00000258414		31187.5	0.01				
33005	ENSG00000285846		31177.4	0.01				
33013	ENSG00000254416		31180	0.01				
33021	ENSG00000286305		31187.7	0.01				
33038	ENSG00000286903		31202.4	0.01				
33043	ENSG00000285984		31207.5	0.01				
33050	ENSG00000232519		31212.4	0.01				
33054	ENSG00000285412		31215.9	0.01				
33060	ENSG00000253118		31227.7	0.01				
33088	ENSG00000272578		31244.1	0.01				
33100	ENSG00000258713		31260.6	0.01				
33104	ENSG00000254837		31261.6	0.01				
33106	ENSG00000285863		31284.1	0.01				
33120	ENSG00000211950		31275	0.01				
33126	ENSG00000211155		31283.6	0.01				
33127	ENSG00000224584		31283.7	0.01				
33152	ENSG00000282474		31310.6	0.01	1	26145212	26147288	Uncharacterized protein
33154	ENSG00000251211		31312.6	0.01				
33155	ENSG00000258290		31313.2	0.01				
33185	ENSG00000286188		31335.6	0.01				
33198	ENSG00000232408		31345.4	0.01				
33203	ENSG00000286273		31356.2	0.01				
33206	ENSG00000249116		31360.4	0.01				
33223	ENSG00000271918		31378	0.01				
33230	ENSG00000249483		31382.4	0.01				
33234	ENSG00000143429		31384.7	0.01				
33244	ENSG00000231158		31390	0.01				
33267	ENSG00000258001		31411	0.01				
33279	ENSG00000232695		31421.1	0.01				
33288	ENSG00000232488		31424.8	0.01				
33295	ENSG00000254802		31437.6	0.01				
33332	ENSG00000288282		31465	0.01				
33374	ENSG00000232476		31513	0.01				
33379	ENSG00000272711		31516	0.01				
33408	ENSG00000232521		31547.7	0.01				
33413	ENSG00000281420		31552.6	0.01				
33414	ENSG00000281924		31553.8	0.01				
33449	ENSG00000228265		31604.7	0.01				
33451	ENSG00000234183		31605.2	0.01				
33461	ENSG00000223855		31622.4	0.01				
33515	ENSG00000258636		31662.6	0.01				
33516	ENSG00000231749		31663	0.01				
33520	ENSG00000281159		31672.6	0.01	10	21774567	21774666	Small nuclear RNA U3
33524	ENSG00000250320		31676.1	0.01				
33525	ENSG00000215146		31676.6	0.01				
33542	ENSG00000285496		31694	0.01				
33582	ENSG00000247796		31740.6	0.01				
33602	ENSG00000281597		31781.6	0.01				
33604	ENSG00000228931		31786.1	0.01				
33634	ENSG00000247199		31795.3	0.01				
33655	ENSG00000286040		31813.5	0.01				
33656	ENSG00000286959		31814.5	0.01				
33661	ENSG00000233055		31819.7	0.01				
33707	ENSG00000223849		31866.1	0.01				
33720	ENSG00000285806		31884.3	0.01				
33726	ENSG00000258748		31889.5	0.01				
33754	ENSG00000271227		31917.9	0.01				
33771	ENSG00000251141		31939.2	0.01				
33812	ENSG00000244159		31965.4	0.01				

34651	ENSG000002051596		32624.3	0	processed_pseudogene	4	166329219	166327602	hydroxyacyl-CoA dehydrogenase 3-ketolacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit pseudogene 1
34660	ENSG000002027207		32836	0	processed_pseudogene	1	72767156	72767152	ribosomal protein L31 pseudogene 12
34684	ENSG0000021434		32845.6	0	processed_pseudogene	4	184404643	184405338	vesicle transport through interaction with 1-SNAREs 1B pseudogene 2
34674	ENSG000002027101		33011.2	0	processed_pseudogene	11	119662169	113660474	leucine rich repeat containing 33, member A13, pseudogene
35065	ENSG000002042624		33324.0	0	processed_pseudogene	4	41213319	41213317	ribosomal protein L22 pseudogene 4
35477	ENSG000002026339		33596.1	0	processed_pseudogene	X	128542359	128542398	ribosomal protein S20 pseudogene 56
35661	ENSG000002026529		33653.4	0	processed_pseudogene	X	150119625	150119109	tubulin binding cofactor A pseudogene 2
35889	ENSG000002025861		34059.8	0	processed_pseudogene	X	817418883	817418881	ribosomal protein L22 pseudogene 22
36389	ENSG000002024680		34499.4	0	processed_pseudogene	1	52834349	52834316	phospholipase A2, group XIId pseudogene 1
25340	ENSG000002025910	ZNF52-AS3	27175.2	0	processed_transcript	10	64142496	64147051	ZNF42 antisense RNA 3
30622	ENSG000002025554	LINC02441	28900.4	0	processed_transcript	2	45392009	45392004	long intergenic non-protein coding RNA 1121
33324	ENSG000002043069	ARHGAP26-AS1	31458.4	0	processed_transcript	3	153742190	15369121	ARHGAP26 antisense RNA 1
34657	ENSG000002025794	RMT1	31800.1	0	processed_transcript	12	97628313	97628313	long intergenic non-protein coding RNA 641
34901	ENSG000002027646	STEA2P-AS1	33035.1	0	processed_transcript	7	89511867	89404949	STEA2 antisense RNA 1
30160	ENSG000002019653	ZEB1	34271.4	0	processed_transcript	10	31465207	31465207	ZEB1 antisense RNA 1
7385	ENSG000002028278	OMZ2	10125.4	0	protein_coding	9	117092149	117095532	erosin mucoid 2
7837	ENSG000002044414	CFHR1	10051.2	0	protein_coding	1	196788887	196801519	complement factor H-related 1
7987	ENSG000002017681	HRG	10033.9	0	protein_coding	2	139610317	139645617	copulation factor V
8070	ENSG00000113905	HRG	10165.4	0	protein_coding	3	186378005	186390229	hectidine-rich glycoprotein
8153	ENSG00000163631	ALB	10847.8	0	protein_coding	4	74262831	74287129	albumin
8209	ENSG00000120388	CERP4	10098.9	0	protein_coding	1	202271607	202271611	complement component H (beta-2-glycoprotein), alpha apolipoprotein H (beta-2-glycoprotein) 1
8332	ENSG00000091583	APOH	10991.7	0	protein_coding	17	84208151	84253463	apolipoprotein A (beta-2-glycoprotein) 1
8618	ENSG00000117601	SEPPIN1	11157.6	0	protein_coding	1	17382947	17388516	sepin peptidase inhibitor, clade C (antithrombin), member 1
8943	ENSG00000111195	MUC7	11437.5	0	protein_coding	4	71829209	71840714	mucin 7, secreted
9484	ENSG00000080616	CPB2	11838.5	0	protein_coding	13	46627321	46679211	carboxypeptidase B2 (plasma)
9488	ENSG000002029314	ORM1	11948.7	0	protein_coding	9	117085336	117087755	erosin mucoid 1
9703	ENSG000000000005	CEP3	12142.3	0	protein_coding	1	48621814	48621814	cytoskeleton-associated protein 3
9878	ENSG00000171560	FGA	12252.4	0	protein_coding	4	155504278	155511918	fibronectin alpha chain
9980	ENSG00000113889	KOY1	12328.6	0	protein_coding	3	186435065	186441743	kininogen 1
10161	ENSG00000100098	UCP3	12410.1	0	protein_coding	7	70342463	70342463	UCP3, family 2, subfamily 2, member 1, polypeptide B4
10233	ENSG00000110245	APOC3	12533	0	protein_coding	11	116704022	116703788	apolipoprotein C-III
10244	ENSG00000125538	IL1B	12544.4	0	protein_coding	2	133597328	133594848	interleukin 1, beta
10484	ENSG000002029441	SLC39A3	12633.7	0	protein_coding	17	4232317	4232317	solute carrier family 4 (zinc-binding), member 1 (Dabo bicoid group)
11054	ENSG00000171021	SMR3B	13186.4	0	protein_coding	4	71235810	71235961	submaxillary gland anionic regulated protein 3B
11286	ENSG00000214274	ANG	13383.5	0	protein_coding	16	21123336	21167130	angiotensin, ribonuclease, RNase A family, 5
11553	ENSG00000100585	ANKK1	14020.2	0	protein_coding	8	63082148	63082148	ankyrin protein 3
11684	ENSG00000198849	CE1	13727.4	0	protein_coding	16	55836783	55897249	carboxylesterase 1
11786	ENSG00000105385	THRSP	13821	0	protein_coding	11	77774807	77773957	thyroid hormone responsive
11898	ENSG00000100629	PLG	13931.9	0	protein_coding	10	1823100	1823100	cytochrome P450, family 2, subfamily E, polypeptide 1
11943	ENSG00000122194	PLG	13941.2	0	protein_coding	6	161123270	161174347	plasminogen
12164	ENSG00000158763	PIP	14098.9	0	protein_coding	7	142829170	14283638	protein-induced protein
12162	ENSG00000154202	SMT1	14114	0	protein_coding	11	16581721	16591564	serum amyloid A1
12249	ENSG00000187533	C4orf4	14119.1	0	protein_coding	1	76989535	71942616	chromosome 4 open reading frame 40
12453	ENSG00000113800	CS	14317.4	0	protein_coding	5	36244305	36244370	complement component 9
14507	ENSG00000104137	ARH1	14520.2	0	protein_coding	11	116705467	116708066	apolipoprotein A-I
14566	ENSG00000100477	KRT4	14522.0	0	protein_coding	12	53260335	53260335	keratin 4
15011	ENSG00000184502	GAST	14439.9	0	protein_coding	17	39868578	39872221	gastrin
15034	ENSG00000191706	CD	14456.6	0	protein_coding	19	6946453	6946453	complement factor D (properdin)
15054	ENSG00000102736	C13orf1	14440002.736	0	protein_coding	14	8677115	8677115	complement component 13
15091	ENSG00000148965	SAHA	14466	0	protein_coding	11	18252896	18258440	serum amyloid A4, constitutive
15302	ENSG00000183347	GBP1	14952.4	0	protein_coding	1	8992761	8995020	guanine nucleotide binding protein, member 8
15306	ENSG00000174697	LEP	14931.6	0	protein_coding	1	127811307	127811307	leptin
15355	ENSG00000170323	FABP4	14987.6	0	protein_coding	8	82390654	82395488	fatty acid binding protein 4, adipocyte
13420	ENSG000000087149	SEPPIN3	15039.9	0	protein_coding	18	61324231	61329197	sepin peptidase inhibitor, clade B (ovastannin), member 3
13426	ENSG000001021526	SEPPIN3	15039.9	0	protein_coding	18	122064991	122064991	sepin peptidase inhibitor, clade B (ovastannin), member 3
13431	ENSG00000187288	CIDEA	15049	0	protein_coding	3	9506388	9521398	cell death-inducing DFFA-like effector c
13466	ENSG00000126780	TM6M	15076.6	0	protein_coding	20	2278844	2321724	transglutaminase 3
13720	ENSG00000100928	ADOL1	15092.5	0	protein_coding	11	10026211	10026211	alcohol dehydrogenase 1B, class II, beta polypeptide
13910	ENSG00000184557	SOCS3	15409.7	0	protein_coding	17	7632864	7636158	cell death-inducing DFFA-like effector c
14118	ENSG00000151655	ITIH3	15557.9	0	protein_coding	10	7742522	7791483	inter-alpha-trypsin inhibitor heavy chain 2
14276	ENSG00000101992	ADOL2	15619.4	0	protein_coding	11	11882458	11882458	alcohol dehydrogenase 1B, class II, beta polypeptide
14326	ENSG00000124107	SLPI	15714.3	0	protein_coding	20	43880880	43883205	secretory leukocyte peptidase inhibitor
14470	ENSG00000172551	MUC11	15745.4	0	protein_coding	12	55224303	55252177	mucin-like 11
14708	ENSG00000102118	ADOL3	16019.9	0	protein_coding	12	7966310	7966310	CD36 molecular weight (lipoprotein receptor)
14924	ENSG00000108306	FBLN2	16182.4	0	protein_coding	17	3741534	3758872	F-box and leucine-rich repeat protein 20
15071	ENSG00000156657	TN1	16305.1	0	protein_coding	2	17930716	17930529	tin
15117	ENSG00000106818	ICAM1	16315.9	0	protein_coding	15	8023768	8023768	intercellular adhesion molecule 1
15192	ENSG00000093039	SCAM1	16343	0	protein_coding	10	10381511	10397291	intercellular adhesion molecule 1
15284	ENSG00000000971	GFH	16453.2	0	protein_coding	1	196921008	19671364	complement factor H
15633	ENSG00000134138	SELP1	16511.4	0	protein_coding	1	151326208	151326208	sepin peptidase inhibitor 1
15681	ENSG00000177695	PNPLA2	16773.4	0	protein_coding	11	8129273	8129273	patatin-like phospholipase domain containing 2
15945	ENSG00000123961	SEPPIN7	16879.5	0	protein_coding	X	105271797	105282721	sepin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 7
16189	ENSG000001001168	SEPPIN7	16879.5	0	protein_coding	X	1186887	1186887	sepin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 7
16236	ENSG00000172236	TPSAB1	17029.1	0	protein_coding	16	1290997	1292955	tyrosine alpha-beta 1
16378	ENSG000002059874	CYP2A6	17307.3	0	protein_coding	19	41348443	41348362	cytochrome P450, family 2, subfamily A, polypeptide 6
16398	ENSG000001001933	SEPPIN1	17398.2	0	protein_coding	19	57280089	57280089	sepin peptidase inhibitor, clade C (C1 inhibitor), member 1
16485	ENSG000002048993	SEPPIN1	17398.2	0	protein_coding	6	3295141	32920889	Uncharacterized protein
16688	ENSG00000139626	ITIBG1	17550.7	0	protein_coding	12	53365102	53301991	integrin, beta 7
16781	ENSG00000104643	ITIBG1	17550.7	0	protein_coding	12	53365102	53301991	integrin, beta 7
16968	ENSG00000185272	ADP3	17704.6	0	protein_coding	9	33441152	33447609	aquaporin 3 (glial blood group)
19009	ENSG000002073756	PTGS2	17709.3	0	protein_coding	9	186640923	186649959	prostaglandin-endoperoxide synthase 2 (cyclooxygenase 2)
16916	ENSG00000186690	TAT	17713.8	0	protein_coding	16	71599593	71611033	tyrosine aminotransferase
19911	ENSG00000139720	KLIM1	17742.4	0	protein_coding	16	51484408	51470508	keratin-like 16
19943	ENSG00000138115	CYP2C8	18076.3	0	protein_coding	10	96736530	96629254	cytochrome P450, family 2, subfamily C, polypeptide B
19793	ENSG00000099841	MTL6	17832	0	protein_coding	12	96551949	96552070	myosin, light chain 6, skeletal muscle and non-muscle
17221	ENSG00000115026	PLCB2	17933.6	0	protein_coding	12	228618558	228618558	phospholipase C (beta) class 2, mu isoform
17289	ENSG000002044907	GSTA1	17979.1	0	protein_coding	6	52614887	52628367	glutathione S-transferase alpha 2
17424	ENSG00000187514	PLA2	18073.9	0	protein_coding	4	232571605	232576551	phospholipase, alpha
17460	ENSG00000189128	PLA2G1B	18092.6	0	protein_coding	4	81891438	81891415	phospholipase, alpha 2, group IIA
17500	ENSG00000055957	ITIH1	18134.7	0	protein_coding	3	52811803	52826978	inter-alpha-trypsin inhibitor heavy chain 1
17615	ENSG00000184921	FLGEC2	18213.3	0	protein_coding	19	7758484	7767032	FG fragment of (beta-7) integrin, beta 7 (CD229)
17869	ENSG00000181756	RKLB1	18414.9	0	protein_coding	12	61659493	61659493	ballerina-related peptidase 13
17969	ENSG000002034906	APOC2	18470.3	0	protein_coding	19	45448243	45458222	apolipoprotein C-II
18007	ENSG00000189143	GMA2	18584	0	protein_coding	5	150991711	150909001	GMC ganglioside activator
18108	ENSG00000189010	SEPPIN11	18619.6	0	protein_coding	12	84908001	84914227	sepin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 11
18110	ENSG00000171478	HOPX	18681.7	0	protein_coding	4			

21015	ENSG00000153396	LPCAT1	20604	0	protein_coding	5	1459959	1524092	lysophosphatidylcholine acyltransferase 1
21016	ENSG00000146459	CTSA	20612	0	protein_coding	20	4457459	4457459	cathepsin A
21068	ENSG00000136994	IL36A	20642	6	protein_coding	2	113763038	11376521	interleukin 36, alpha
21079	ENSG00000143727	ACPI	20653	4	protein_coding	2	264140	272623	acid phosphatase 1, soluble
21158	ENSG00000000765	HPD	20697	0	protein_coding	6	150690028	150727105	hydroxymethylglutaryl-CoA lyase
21171	ENSG00000146293	SERPINA1	20729	0	protein_coding	14	84739529	84739529	serpin peptidase inhibitor, class A (alpha 1 antitrypsin, antithrombin, antipain) member 10
21185	ENSG00000008922	CLND1	20842	2	protein_coding	3	98216756	98216756	claudin domain containing 1
21223	ENSG00000151244	MNTA	20858	4	protein_coding	10	6501576	65049440	methionine adenosyltransferase L, alpha
21258	ENSG00000156215	CLDN3	20918	4	protein_coding	10	73183268	73184600	claudin 3
21268	ENSG00000176336	APCF	21000	0	protein_coding	12	56734353	56734607	apicalipoprotein F
21297	ENSG00000197641	SERPINE1	21007	2	protein_coding	18	61242223	61217653	serpin peptidase inhibitor, class B (ovastomin) member 13
21305	ENSG00000132550	ZMYM5	21037	5	protein_coding	13	89313268	89303322	transmembrane protein, serine TIE
21371	ENSG00000158100	TPRC1L	21089	3	protein_coding	1	3541566	3544991	zinc finger, RRM-type 5
21516	ENSG00000205376	CCZ1L	21200	1	protein_coding	7	105810442	105810442	tumor protein p83 regulated 1-like
21537	ENSG00000208176	ISY1-RAB43	21218	9	protein_coding	3	128898418	128898418	coiled-coil domain containing 71-like
21538	ENSG00000185267	ITIH3	21218	9	protein_coding	3	5284784	52843025	ISY1-RAB43 readthrough
21541	ENSG00000164296	CACD	21225	3	protein_coding	4	120226007	120226000	inter-alpha-fetopin inhibitor heavy chain 3
21602	ENSG00000134755	DSC2	21269	9	protein_coding	18	2864580	28682378	chromosome 4 open reading frame 3
21617	ENSG00000120278	MHRP31	21283	6	protein_coding	13	41303432	41345309	desmosolin 2
21628	ENSG00000133311	TPRS1E	21327	7	protein_coding	13	41303432	41345309	inter-alpha-fetopin inhibitor heavy chain 3
21658	ENSG00000092295	TGM1	21381	0	protein_coding	14	2471830	24733638	transglutaminase 1
21659	ENSG00000094963	FMO2	21318	9	protein_coding	1	17115447	171181222	flavin containing monooxygenase 2 (non-functional)
21671	ENSG00000129821	SGRP1	21332	1	protein_coding	14	64150932	64154157	cytochrome P450 subfamily 21B, 10 subunit 9
21748	ENSG00000138644	TMBIM6	21386	2	protein_coding	12	50101508	50108717	transmembrane BAX inhibitor motif containing 6
21769	ENSG00000128061	CYP11B1	21396	5	protein_coding	2	36284116	36337044	transmembrane BAX inhibitor motif containing 6
21790	ENSG00000164211	STRAD4	21420	5	protein_coding	5	110813701	110849098	cytochrome P450, family 1, subfamily B, polypeptide 1
21902	ENSG00000101888	NKT2	21503	8	protein_coding	X	10877910	10878719	SRB-related lipid transfer (STRAL) domain containing 4
21943	ENSG00000186275	C10orf2	21532	0	protein_coding	10	104813860	104824718	nuclear transport factor 2-like export factor 2
21947	ENSG00000103113	TRAF3IP3	21533	9	protein_coding	9	17623379	17623379	chromosome 10 open reading frame 32
21952	ENSG00000106609	TMEM248	21543	1	protein_coding	7	9638212	96423538	6-phosphogluconate dehydratase
21966	ENSG00000171302	CANT1	21551	9	protein_coding	17	76997799	77005449	transmembrane protein 248
21984	ENSG00000105213	TRAF3IP2	21552	9	protein_coding	17	8042126	8042126	calcium activated nucleoside 1
22062	ENSG00000117697	NSL1	21627	9	protein_coding	1	21289455	212895124	NSL1, M12 methionine complex component
22077	ENSG00000125248	RBC1	21638	9	protein_coding	20	388142	411610	

26646	ENS00000156860	FBR3	25355	0	protein_coding	10	30669752	30682135	fibronin
26648	ENS00000157148	FAM8A	25358	0	protein_coding	12	31433568	31433568	family with sequence similarity 60, member A
26677	ENS00000170448	NPXL1	25775	0	protein_coding	4	47849257	47916653	nuclear transport factor, X-box binding-like 1
26776	ENS00000146707	POMZP3	25467	0	protein_coding	7	78239303	78256578	POM121 and ZP3 fusion
26812	ENS00000186477	MTTF	25557	0	protein_coding	16	56691608	56694610	methyltransferase 1F
26813	ENS00000142474	C2orf44	25519	0	protein_coding	2	24152445	24153636	chromosome 2 open reading frame 54
26879	ENS00000188529	SFRF10	25647	0	protein_coding	1	24291294	24291471	serine/arginine-rich splicing factor 10
26881	ENS00000088472	HEPH	25552	0	protein_coding	A	65342391	65488709	hepatinase
26882	ENS00000094985	SY11	25583	0	protein_coding	3	12889180	12890336	ISY1 splicing factor homolog (S. cerevisiae)
26963	ENS00000139990	DOFAP	25817	5	protein_coding	14	69517598	69519867	DOB1 and GUL4 associated factor 5
26966	ENS00000164569	MESDC1	25667	0	protein_coding	15	81243295	81268342	meiosis development cascade 1
26981	ENS00000169882	MRP30	25888	0	protein_coding	10	33268869	33269205	zinc finger protein 830
26989	ENS00000135917	SLC19A3	25860	0	protein_coding	2	228549599	228582728	solute carrier family 19 (thiamine transporter), member 3
27008	ENS00000197070	AHRDC1	25869	0	protein_coding	9	14059108	14059612	arrestin domain containing 1
27043	ENS00000178974	F80C34	25700	4	protein_coding	14	55738021	55829636	zinc finger, C2H2-type 2 F-box protein 34
27049	ENS00000186148	AVR1A	25703	2	protein_coding	12	63538014	63544722	arginine vasopressin receptor 1A
27064	ENS00000135994	SDS	25778	0	protein_coding	12	11383050	11384108	serine dehydratase
27082	ENS00000144840	RABL3	25738	2	protein_coding	3	120405528	120461840	RAB, member of RAS oncogene family-like 3
27133	ENS00000100695	SEIPIN4	25785	0	protein_coding	14	95027428	95036250	serpin peptidase inhibitor, class A (alpha-1-antitrypsin, alpha1-antitrypsin), member 4
27151	ENS00000135937	DKR3	25904	5	protein_coding	9	32047958	32053398	cyclin-dependent kinase 9
27176	ENS00000105178	URI1	25823	0	protein_coding	19	30414551	30506611	URI1, prefolin-like chaperone
27235	ENS00000148757	ZNF92	25872	0	protein_coding	7	64838712	64868608	zinc finger protein 92
27245	ENS00000102753	KLK2	25878	0	protein_coding	19	51384824	51388863	kallikrein-related peptidase 2
27248	ENS00000182844	EWSR1	25880	0	protein_coding	22	29863998	29865815	EWS RNA-binding protein 1
27278	ENS00000158786	PLAGZF	25888	0	protein_coding	1	2045819	2047679	phospholipase A2, group IIF
27365	ENS00000102766	HPCAL1	25907	0	protein_coding	2	10443015	10487345	hippocalin-like 1
27308	ENS00000134330	IH1	25824	0	protein_coding	2	9813787	9836872	isomyl acetate-hydrolyzing esterase 1 homolog (S. cerevisiae)
27309	ENS00000181618	ALDH1A1	25925	0	protein_coding	19	49958246	49974305	aldehyde dehydrogenase 16 family, member A1
27356	ENS00000165862	SLMO2	25933	0	protein_coding	3	14903869	14904263	solute carrier family 26 (anion exchanger), member 2
27362	ENS00000153187	HNRNPU	25981	5	protein_coding	1	24501468	24502844	heterogeneous nuclear ribonucleoprotein U (scalloid attachment factor A)
27418	ENS00000174348	PDCN	26013	0	protein_coding	1	83527854	83561174	pedicularin C
27564	ENS00000103121	ZNF313	26136	0	protein_coding	13	44981828	45019177	zinc finger, C2H2-type containing 3
27576	ENS00000054282	SDCCAG8	26136	0	protein_coding	1	24341930	24366334	serologically defined colon cancer antigen 8
27591	ENS00000148740	SLC30A5	26148	1	protein_coding	5	6838473	6842696	solute carrier family 30 (zinc transporter), member 5
27644	ENS00000101868	HLX2	26233	0	protein_coding	10	53333183	53337427	homeobox 2
27682	ENS00000198799	LRIG2	26233	0	protein_coding	1	113615831	11374882	leucine-rich repeats and immunoglobulin-like domains 2
27685	ENS00000110090	CPT1A	26238	2	protein_coding	11	68522098	68611878	carbamoyl-phosphoryltransferase 1A (liver)
27708	ENS00000168289	PTEN	26239	0	protein_coding	42	429113	429113	zinc finger and BTB domain containing 49
27714	ENS00000124157	SEMG2	26261	4	protein_coding	20	43849941	43853099	seromucin 1
27724	ENS00000149898	ADP	26269	5	protein_coding	11	34874841	34878948	ADP1 interacting protein
27743	ENS00000101765	ADP1	26269	5	protein_coding	14	4523148	45234601	adenosine diphosphate 1
27751	ENS00000173145	NOCCL	26297	0	protein_coding	10	99075004	99122716	nucleolar complex associated 3 homolog (S. cerevisiae)
27783	ENS00000145878	SPINK7	26320	1	protein_coding	5	147891862	147895485	serine peptidase inhibitor, Kazal type 7 (putative)
27852	ENS00000166523	PADH	26372	0	protein_coding	7	17591692	17592500	peptide/arginine deiminase type 1
27854	ENS00000186973	SCD4AS	26373	0	protein_coding	8	27472868	27483691	saturated fatty acid desaturase 4, member 5 (putative)
27913	ENS00000113369	GSTM2	26433	0	protein_coding	1	110210644	110252711	glutathione S-transferase mu 2 (mouse)
27938	ENS00000109671	HAMP	26456	0	protein_coding	9	35718719	35719446	hepatocellular carcinoma protein
27959	ENS00000088451	TGDC8	26490	1	protein_coding	16	86230838	86231611	TGDC8, alpha-4 dehydrogenase
27978	ENS00000121594	CD8D	26490	0	protein_coding	3	119243140	119249149	CD8D molecule
27985	ENS00000198240	SLC39A5	26497	0	protein_coding	3	96623833	96611630	solute carrier family 39 (zinc transporter), member 5
28006	ENS00000184290	HSTPRA4	26498	0	protein_coding	12	148965455	148968525	HSTPRA4, member 4 (12c)
28092	ENS00000109758	HGAF	26602	4	protein_coding	4	3443814	3452111	HGF activator
28139	ENS00000171803	CYP4F1	26641	6	protein_coding	19	16023177	16046577	cytochrome P450, family 4, subfamily F, polypeptide 11
28150	ENS00000193448	LUX1	26652	0	protein_coding	47	48736995	48737074	LUX1, zinc finger (S. cerevisiae)
28174	ENS00000186336	SUCN1	26676	2	protein_coding	3	151991431	15200105	sucinate receptor 1
28196	ENS00000030129	SKO1L2	26715	2	protein_coding	2	54603588	54724516	superficial myofibrillar actin 2 (S. cerevisiae)
28310	ENS00000184285	SC2B2A2	26803	3	protein_coding	5	147250245	147261754	serpinophorin, family 3A, member 2
28320	ENS00000088971	PPP2R2B	26812	0	protein_coding	11	64685025	64701845	protein phosphatase 2, regulatory subunit B', beta
28328	ENS00000167628	SLC12A1	26812	0	protein_coding	11	27883285	27883585	solute carrier family 4 (anion exchanger), member 1, adaptor protein
28330	ENS00000187017	ESPN	26819	9	protein_coding	1	6484848	6521440	espin
28377	ENS00000180182	ME14	26855	4	protein_coding	X	40507558	40509510	mediator complex subunit 14
28398	ENS00000187000	ABR1	26855	0	protein_coding	5	13391364	13391461	GAR1 homolog (S. cerevisiae)
28396	ENS00000123106	CDC8A	26866	0	protein_coding	12	2826182	2873283	coiled-coil domain containing 91
28475	ENS00000058813	ACSM2B	26957	2	protein_coding	16	20547548	20567749	acyl-CoA synthetase medium-chain family member 2B
28518	ENS00000102897	LYS1	26961	0	protein_coding	20	20911190	20911190	LYS1, homeobox 1
28523	ENS00000127418	TMEM175	27000	7	protein_coding	4	926175	962444	transmembrane protein 175
28552	ENS00000104124	GI YAT	27025	8	protein_coding	11	58407899	58409447	glycine-N acetyltransferase
28570	ENS00000135956	PLN3	27026	0	protein_coding	13	13992102	13992102	eukaryotic translation initiation factor 4E binding protein 3
28588	ENS00000178919	CRC	27074	5	protein_coding	9	13983969	139841428	complement component 8, gamma polypeptide
28624	ENS00000198146	ZNF770	27095	5	protein_coding	15	35710542	35720488	zinc finger protein 770
28651	ENS00000102783	CHST3	27143	0	protein_coding	7	6511843	6511843	chondroitin-6-sulfate 3
28665	ENS00000180767	CHST13	27151	0	protein_coding	3	12623134	12626234	carbohydrate (chondroitin 4) sulfotransferase 13
28698	ENS00000141503	MNKL1	27174	8	protein_coding	17	4739883	48491386	mishapain-like kinase 1
28704	ENS00000101523	ALMS1	27183	0	protein_coding	7	7881826	7881826	Alstrom syndrome 1
28707	ENS00000223882	ALMS2	27184	0	protein_coding	5	95187936	95198537	chromosome 5 open reading frame 27
28722	ENS00000134817	APLN	27183	2	protein_coding	11	57001051	57001709	apelin receptor
28724	ENS00000088524	MRP8	27193	0	protein_coding	13	12335186	12335186	multidrug resistant protein 8
28733	ENS00000151906	GUF1	27204	3	protein_coding	4	44680444	44729943	GUF1 GTPase homolog (S. cerevisiae)
28763	ENS00000186591	TUBJ2	27239	0	protein_coding	17	42264338	42268999	transmembrane and ubiquitin-like domain containing 2
28791	ENS00000110564	MTORF1	27239	0	protein_coding	2	10231331	10231449	mitogen-activated protein kinase kinase kinase 4
28833	ENS00000187522	ANKRD11	27303	4	protein_coding	16	89334038	89356969	ankyrin repeat domain 11
28849	ENS00000183141	BNPL	27320	3	protein_coding	1	15100046	15102076	BCL2/adrenovirus E1B 19kD interacting protein like
28888	ENS00000181491	GATA2	27350	0	protein_coding	19	1946636	19619740	GATA zinc finger domain containing 2A
28887	ENS00000135961	ACHR1	27350	0	protein_coding	19	52359364	52359744	acetylcholine receptor type 1-like 1
28895	ENS00000112964	GHR	27356	7	protein_coding	5	42423879	42721979	growth hormone receptor
28896	ENS00000141426	TKIP2	27360	0	protein_coding	3	141963277	141968368	transcription factor Gp-2 (E2F dimension partner 2)
28898	ENS00000094969	INS1	27368	7	protein_coding	19	17921293	17921293	insulin-like growth factor 3 (lewis only)
28965	ENS00000186281	GPA2T2	27415	0	protein_coding	2	86687894	86705199	glycerol-3-phosphate acyltransferase 2, mitochondrial
28971	ENS00000098998	SGT5	27423	9	protein_coding	22	26015922	2641110	gamma-glutamyltransferase 5
28984	ENS00000123050	SMAD1	27433	0	protein_coding	17	8901768	8901768	SMAD1, EGF-hand calcium binding protein 2
28990	ENS00000112305	SMAP1	27441	1	protein_coding	6	71374719	71377118	small ARFGAP 1
28996	ENS00000185106	HFGC9	27451	8	protein_coding	4	86219886	86240427	hemopoietic prostaglandin G synthase
29116	ENS00000185295	PCSK1	27451	0	protein_coding	4	23330383	23330472	alkaline phosphatase, intestinal
29238	ENS00000186220	TBATA	27589	0	protein_coding	10	7253099	72545157	thymus, brain and testes associated
29237	ENS00000153165	RGPD3	27689	1	protein_coding	2	107021446	10708452	RANBP2-like and GRIP domain containing 3
29257	ENS00000137656	PIB1	27706	0	protein_coding	12	116618889	11661704	PIB1, homeobox (S. cerevisiae)
29305	ENS00000124789	NUP153	27739	0	protein_coding	6	17615269	17706656	transmembrane and ubiquitin-like domain containing 2
29326	ENS00000150399	F0H1	27759	2	protein_coding	16	7474683	74808729	fatty acid 2-hydroxyase
29330	ENS00000170503	FOXP1	27762	0					

30427	ENSG0000020628	PTGER3	28733	0	protein_coding	1	71518036	71513491	prostaglandin I ₂ receptor 3 (subtype EP3)
30428	ENSG0000015429	CTCF	28737	0	protein_coding	1	22434988	22434941	centriole, cell and spindle-associated protein
30431	ENSG0000027868	C1orf254	28734	0	protein_coding	1	2337327	23342343	chromosome 1 open reading frame 234
30438	ENSG00000184571	PWWL3	28739	0	protein_coding	22	25115001	25170687	paw-like RNA-mediated gene silencing 3
30443	ENSG00000156266	IFITD1	28743	0	protein_coding	12	25562241	25601513	intermediate filament tail domain containing 1
30447	ENSG00000155255	CDC42A7B	28743	0	protein_coding	10	96629996	96641537	protein 4, family member B
30455	ENSG00000165630	AGK	28755	0	protein_coding	7	141250989	141355044	acyl-glycerol kinase
30456	ENSG00000122254	HSIST2	28756	0	protein_coding	16	22625496	22627669	heparan sulfate (glycosaminyl)-3-O-sulfotransferase 2
30475	ENSG00000191814	ATPRV02	28767	0	protein_coding	8	86999552	87198457	ATPase, H ⁺ translocating, protonic 38kDa, V0 subunit c2
30492	ENSG00000136798	EGFR	28782	0	protein_coding	4	110834040	110934222	epidermal growth factor
30493	ENSG00000156269	C22orf43	28782	0	protein_coding	22	25874266	25914588	chromosome 22 open reading frame 43
30498	ENSG00000152248	FRS3	28784	0	protein_coding	2	87010424	87043612	four and a half LIM domains 5
30528	ENSG00000168100	TGM4	28808	0	protein_coding	3	44918100	44956482	transglutaminase 4
30529	ENSG00000168700	MCCC1	28811	0	protein_coding	3	162733006	162833963	methylcrotonyl-CoA carboxylase 1 (alpha)
30534	ENSG00000168692	RANBP2	28816	0	protein_coding	2	108443388	108502297	RANBP2-like and GSP domain containing 4
30538	ENSG00000143498	TAF1A	28816	0	protein_coding	1	222731244	222736775	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 58kDa
30557	ENSG00000130807	SLC27A5	28834	4	protein_coding	19	58969079	59023780	solute carrier family 27 (fatty acid transporter), member 5
30564	ENSG00000167169	TMEH2	28834	0	protein_coding	17	48348767	48358844	transmembrane protein 92
30571	ENSG00000135678	CPM	28843	0	protein_coding	12	69235977	69305350	carboxypeptidase M
30576	ENSG00000258713	C20orf141	28849	0	protein_coding	20	2795633	2796479	chromosome 20 open reading frame 141
30578	ENSG00000115248	TNFRSF20C	28851	0	protein_coding	12	32971848	32971848	transmembrane protein 152C
30582	ENSG00000173728	C1orf100	28859	4	protein_coding	1	244515937	24452965	chromosome 1 open reading frame 100
30586	ENSG00000169923	STAG3	28861	7	protein_coding	7	99775186	99811919	stromal antigen 3
30596	ENSG00000198912	C1orf124	28923	0	protein_coding	1	3802689	38026897	chromosome 1 open reading frame 174
30634	ENSG00000202389	ABCC2	28910	0	protein_coding	10	101542489	101611848	ATP-binding cassette, sub-family C (CFTR/MRP), member 2
30635	ENSG00000154511	FMBA2	28911	6	protein_coding	1	9330724	9342057	family with sequence similarity 89, member A
30647	ENSG00000139613	SMARCC2	28922	0	protein_coding	12	56566767	56583351	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2
30651	ENSG00000107447	DNTT	28927	0	protein_coding	10	86064085	86086321	DNA nucleosyltransferase
30652	ENSG00000147461	PKL	28928	0	protein_coding	1	113003663	113003663	chromosome 4 open reading frame 32
30671	ENSG00000198156	NPIP86	28942	0	protein_coding	16	28353876	28374829	nuclear pore complex interacting protein family, member B6
30711	ENSG00000204333	CKN1B	28960	7	protein_coding	1	1570603	1590473	cyclin-dependent kinase 11B
30718	ENSG00000156482	GANK	28965	0	protein_coding	1	118167868	118173119	UDP-N-acetyl-alpha-D-galactose-4-epimerase/N-acetylglucosaminyltransferase-like 5
30734	ENSG00000169427	KCNK9	29015	2	protein_coding	8	140513081	140715399	potassium channel, subfamily K, member 9
30738	ENSG00000105127	AKAP8	29019	3	protein_coding	19	15446198	15460009	A kinase (PRK) anchor protein B
30744	ENSG00000107174	TRAF3IP2	29020	0	protein_coding	18	26535176	26535176	mediator complex subunit 15
30773	ENSG00000179503	ALOX15B	29052	0	protein_coding	17	7942335	7952452	arachidonate 15-lipoxygenase, type B
30777	ENSG00000139053	PDE6H	29058	0	protein_coding	12	11525956	11534799	phosphodiesterase 6H, cGMP-specific, cone, gamma
30791	ENSG00000107179	PLS	29060	0	protein_coding	23	22381360	22381360	phosphatidylinositol 3-kinase
30828	ENSG00000147255	IGSF1	29104	1	protein_coding	X	150407480	150533377	immunoglobulin superfamily, member 1
30834	ENSG00000148826	ASB15	29108	9	protein_coding	7	123207864	123278851	ankyrin repeat and SOCS box containing 15
30835	ENSG00000154133	TRAF3IP1	29109	0	protein_coding	17	24271697	24271697	nonubiquitin-protein transferase homolog 4 (Drosophila)
30872	ENSG00000155833	CYLC2	29147	0	protein_coding	9	105757983	105780770	cyclin, basic protein of sperm head cytoskeleton 2
30879	ENSG00000136487	GH2	29150	7	protein_coding	17	61957578	61959295	growth hormone 2
30882	ENSG00000167996	BEST1	29151	0	protein_coding	11	6171259	61732687	bestrophin 1
30883	ENSG00000103710	RASL12	29154	0	protein_coding	15	65346112	65346112	RAS-like, family 12
30908	ENSG00000142898	C1orf4	29174	1	protein_coding	1	3452484	3484732	chromosome 1 open reading frame 94
30913	ENSG00000185972	CCN	29177	0	protein_coding	9	81603899	81713529	cellular communication factor
30920	ENSG00000217728	C1orf103	29181	0	protein_coding	14	104401763	104401763	retinal degeneration 3-like
30939	ENSG0000059588	TARBP1	29185	0	protein_coding	1	234527059	234614849	TAR RNA 1 RNA binding protein 1
30941	ENSG00000116596	YLRP1	29195	0	protein_coding	14	75230069	75232444	YLP motif containing 1
30951	ENSG00000144308	YLRP10	29195	0	protein_coding	14	118992484	118992484	YLRP motif containing 10
30976	ENSG00000119915	ELOVL3	29228	1	protein_coding	10	103986085	103989446	ELOVL fatty acid elongase 3
30977	ENSG00000179303	LRP13	29229	0	protein_coding	10	76864192	76868979	dual specificity phosphatase 13
30978	ENSG00000198912	LRRF10	29232	0	protein_coding	12	70002251	70020442	leucine-rich repeat containing 10
31010	ENSG00000155100	OTUD8B	29258	1	protein_coding	8	92082424	92089233	OTU domain containing 8B
31023	ENSG00000108381	ASPA	29269	1	protein_coding	17	3375868	3406773	aspartylase
31031	ENSG00000161928	C1orf69	29271	0	protein_coding	61	6812654	69208210	RNAseH-C1orf69 readthrough
31044	ENSG00000158859	ADAMT54	29283	4	protein_coding	1	18114098	18116848	ADAM metalloproteinase with thrombospondin type 1 motif, 4
31046	ENSG00000145244	CORIN	29285	4	protein_coding	4	47596015	47610123	corin, serine peptidase 4
31049	ENSG00000195498	SPANX1	29292	0	protein_coding	4	14070568	14070568	SPANX family member D
31050	ENSG00000189378	TBC1D28	29291	0	protein_coding	17	18538319	18565283	TBC1 domain family, member 28
31068	ENSG00000158955	GRHL3	29303	0	protein_coding	1	24645812	24649972	grahly-like 3 (Drosophila)
31073	ENSG00000115961	CHST19	29303	0	protein_coding	17	61963478	61963478	zinc finger and BTB domain containing 32
31099	ENSG00000255359	CCDC179	29328	0	protein_coding	11	22868477	22881972	coiled-coil domain containing 179
31104	ENSG00000130597	FBP2	29330	0	protein_coding	9	87321002	87335075	fructose 1,6-bisphosphatase 2
31111	ENSG00000103944	ZNF1	29332	0	protein_coding	12	11963478	11963478	zinc finger and BTB domain containing 1
31125	ENSG00000253268	KDM4E	29347	6	protein_coding	11	84758422	84767000	lysine (K)-specific demethylase 4E
31142	ENSG00000209917	MEI15	29363	0	protein_coding	22	20850200	20841919	meiotic complex subunit 15
31144	ENSG00000107183	TRAF3IP3	29363	0	protein_coding	17	74682362	74682362	(NEMO) interacting protein 3
31146	ENSG00000139151	PLCZ1	29384	1	protein_coding	12	18836103	18836901	phospholipase C, zeta 1
31161	ENSG00000141844	MED1	29391	0	protein_coding	18	47732322	47808148	methyl-CpG binding domain protein 1
31172	ENSG00000160608	C1orf69	29392	0	protein_coding	61	6088184	6088184	chromosome 14 open reading frame 39
31187	ENSG00000204099	NEU4	29412	0	protein_coding	2	24274950	24275739	sialidase 4
31200	ENSG00000114487	MORC1	29423	2	protein_coding	3	10887786	10889389	MORC family CNV-type zinc finger 1
31201	ENSG00000175178	TRAF3IP2	29424	0	protein_coding	14	15433388	15433388	region, TRAF domain, G2 arrest mediator candidate
31280	ENSG00000191323	SPEN1	29491	0	protein_coding	17	7323975	7324951	spermatid maturation 1
31298	ENSG00000104188	ANGPT1	29509	0	protein_coding	8	10829127	10851083	angiotensinogen 1
31318	ENSG00000167988	TRAF6	29513	0	protein_coding	13	13332817	13336889	receptor-like tyrosine kinase
31324	ENSG00000157703	SVOP	29518	0	protein_coding	7	13827900	13830997	SVOP-like
31326	ENSG00000155545	MERL	29543	0	protein_coding	5	90515429	90527802	mesoderm induction early response 1, family member 3
31331	ENSG00000131310	FTL1	29554	0	protein_coding	8	53884808	53884808	atony Co1 hydrolase domain containing 1
31334	ENSG00000196968	FUT11	29554	0	protein_coding	10	7552049	75540009	fucosyltransferase 11 (alpha 1,3) fucosyltransferase
31338	ENSG00000139351	SYCP3	29557	0	protein_coding	12	102122426	102133250	synaptonemal complex protein 3
31344	ENSG00000146620	FTL2	29557	0	protein_coding	11	1868701	1868701	FTL motif containing 2
31345	ENSG00000192771	FAM74A	29557	6	protein_coding	1	212797789	212800120	family with sequence similarity 71, member A
31350	ENSG00000250338	SPAM1	29571	8	protein_coding	4	28363901	2840448	Linchetraxin and protein
31363	ENSG00000106304	SPAM1	29586	0	protein_coding	7	12366286	12401148	sperm adhesion molecule 1 (PH-20 hydrolase, zona pellucida binding)
31365	ENSG00000202194	FXYD7	29602	1	protein_coding	19	38614514	38624547	FXYD domain-containing ion transport regulator 7
31382	ENSG00000126746	ZNF384	29601	3	protein_coding	12	877584	8798778	zinc finger protein 384
31384	ENSG00000211698	CDHR5	29602	6	protein_coding	10	125469723	125699783	catyrophin-like family, member 2
31391	ENSG00000148800	CDHR5	29602	6	protein_coding	10	86944410	86944410	zinc finger and SCAN domain containing 5C
31415	ENSG00000204532	ZNF384	29634	2	protein_coding	19	8673870	8673870	zinc finger protein 384
31417	ENSG00000184584	SLITR8	29635	1	protein_coding	13	8693829	8673823	SLI and NTRK-like family, member 6
31418	ENSG00000203478	SLITR8	29635	1	protein_coding	14	17634715	17634715	Uncharacterized protein
31429	ENSG00000151811	MAEA	29648	4	protein_coding	4	14653814	14658117	methylmalonic aciduria (cobalamin deficiency) cDNA type
31443	ENSG00000123994	ATNKL1	29661	1	protein_coding	X	13337807	13338318	atlan 3-like
31446	ENSG00000160216	AGPAT13	29662	0	protein_coding	14	4826267	4826267	1-acylglycerol-3-phosphate O-acyltransferase 13
31451	ENSG0000								

32060	ENSG00000116147	TNR	30249	0	protein_coding	1	175284330	175712906	tensin R
32061	ENSG00000144571	PI3L1A	30250	0	protein_coding	3	119316459	119316459	phosphoglucoisomerase 1 member A
32104	ENSG00000162870	GAALT9	30256	0	protein_coding	12	132690502	132690505	UDP-N-acetyl-alpha-D-galactosamine polyphosphate N-acetylgalactosaminyltransferase 9 (GalNAc-T9)
32107	ENSG00000165522	AGBL2	30303	0	protein_coding	2	47681143	47726941	ATP/GTP binding protein-like 2
32108	ENSG00000144031	ANKRD53	30303	0	protein_coding	11	71295510	71295298	zinc finger repeat domain 53
32110	ENSG00000175591	PRRY2	30304	0	protein_coding	11	72929343	72947397	purinergic receptor P2Y, G-protein coupled, 2
32106	ENSG00000168845	CH16orf4	30344	0	protein_coding	18	61942287	61942287	chromosome 18 open reading frame 54
32107	ENSG00000162455	TMEM174	30345	0	protein_coding	18	72489025	72489025	transmembrane protein 174
32161	ENSG00000153347	FAM18B	30347	0	protein_coding	5	94727048	94786158	family with sequence similarity 81, member B
32167	ENSG00000165642	VCSB	30351	0	protein_coding	A	844287	8445490	variable charge, X-linked SB
32169	ENSG00000162955	USP19	30353	0	protein_coding	4	49145479	49145479	ubiquitin specific peptidase 19
32173	ENSG00000144035	NAT8	30355	0	protein_coding	2	73869559	73869560	N-acetyltransferase 8 (GCN5-related, putative)
32181	ENSG000002048746	ACT1N1	30359	0	protein_coding	11	66313896	66330000	actinin, alpha 3 (genipin/peptidoglycan)
32186	ENSG00000152472	PLDGB5	30377	0	protein_coding	2	20354672	20417683	phospholipase A2, group V
32193	ENSG00000169259	VCKXA	30383	2	protein_coding	X	6451659	6453199	variable charge, X-linked 3A
32212	ENSG00000119403	PHF19	30397	4	protein_coding	9	123617977	123639008	PHD finger protein 19
32214	ENSG000001020191	NKX16	30398	0	protein_coding	22	38070860	38170137	nucleoid protein 12
32217	ENSG000002057046	NSL2	30399	4	protein_coding	12	20968608	21243179	Putative solute carrier organic anion transporter family member 187; Uncharacterized protein
32226	ENSG00000172508	CARNS1	30412	2	protein_coding	11	67182439	67183078	carnosine synthase 1
32229	ENSG00000142227	NSL2	30418	0	protein_coding	4	10951035	11072690	ring finger protein 212
32244	ENSG00000166589	CDH16	30426	5	protein_coding	16	66942025	66952887	cadherin 16, KSP-cadherin
32245	ENSG00000182791	CDC37	30428	8	protein_coding	11	66357640	66360554	coiled-coil domain containing 87
32250	ENSG00000200136	MIEA	30428	0	protein_coding	4	1293939	1333305	microcephaly associated protein
32264	ENSG00000157766	ACAN	30448	0	protein_coding	15	89346674	89418585	aggrican
32269	ENSG00000165028	NIPSNAP3B	30481	0	protein_coding	9	10752648	10753978	nirpsap homolog 3B (C. elegans)
32271	ENSG00000141325	PROK1	30485	0	protein_coding	19	11096922	110969076	prokinectin 1
32266	ENSG00000140522	RLBP1	30481	0	protein_coding	15	89753100	89754982	retinoid-binding protein 1
32266	ENSG00000148804	RGR	30482	0	protein_coding	10	86004809	86019716	retinal G-protein coupled receptor
32268	ENSG00000168381	TRIO	30482	0	protein_coding	10	15643848	15643848	tyrosine kinase 3
32303	ENSG00000156218	ADAMTSL3	30487	3	protein_coding	15	84322838	84708584	ADAMTSL-like 3
32319	ENSG00000166585	C1QL3	30501	5	protein_coding	10	16555427	16640404	complement component 1, q subcomponent-like 3
32321	ENSG00000102584	MED1	30502	0	protein_coding	8	81326	81326	mediator
32333	ENSG00000198797	BRINP2	30509	0	protein_coding	1	177149533	177251558	bone morphogenetic protein/receptor-like inducible neural-specific 2
32339	ENSG000001057181	C1orf27	30513	0	protein_coding	1	18634480	18630510	chromosome 1 open reading frame 27
32342	ENSG00000102109	MYO1B2	30512	0	protein_coding	1	7863753	7863753	myosid-associated differentially regulated-like 2
32344	ENSG00000184857	TMEM108	30519	0	protein_coding	16	8874241	8891505	transmembrane protein 108
32345	ENSG00000170011	MVRP	30521	0	protein_coding	3	39850405	40301812	myosin VIIA and Rab interacting protein
32346	ENSG00000102091	PRKRF	30521	0	protein_coding	11	57837	57837	PHD and ring finger domains 1
32379	ENSG00000116183	PAPP2A	30546	5	protein_coding	1	17642307	176814735	pappalysin 2
32387	ENSG00000126207	PWILL1	30550	0	protein_coding	12	13082452	13087882	palivisa-like RNA-mediated gene silencing 1
32388	ENSG00000164887	TRAF3	30552	0	protein_coding	4	17825	17825	myristic transcription factor 3-like
32400	ENSG00000108509	CAMT2	30563	2	protein_coding	17	4871287	4890980	calmodulin binding transcription activator 2
32410	ENSG00000178965	C1orf173	30571	5	protein_coding	1	7303376	7313422	chromosome 1 open reading frame 173
32414	ENSG00000186672	KNA1Z1TL	30576	3	protein_coding	2	69410349	69527762	KNA1Z1TL-like
32422	ENSG00000168971	SLC12A5	30582	0	protein_coding	19	11095470	11095470	solute carrier family 12, member 4
32433	ENSG00000088826	SIMOX	30601	7	protein_coding	20	4101627	4162834	spermine oxidase
32438	ENSG00000151327	FAM177A1	30608	0	protein_coding	14	35511413	35521326	family with sequence similarity 177, member A1
32439	ENSG00000182697	DISC1	30609	0	protein_coding	16	141184074	141184002	disrupted in schizophrenia, brain 1
32441	ENSG000002021626	PGS3	30610	2	protein_coding	19	4322790	43244721	pregnancy specific beta-1-glycoprotein 3
32453	ENSG00000162762	TMEM187	30616	5	protein_coding	3	14930285	14930281	Transmembrane 4, Lpx family member 18
32455	ENSG00000162778	ASX2L1	30620	0	protein_coding	3	1793148585	179314870	axonal domain light chain domain containing 1
32479	ENSG00000204711	C1orf135	30655	0	protein_coding	9	72435709	72521148	chromosome 9 open reading frame 135
32497	ENSG00000080838	CNOT3	30679	9	protein_coding	19	54641444	54649419	CCR4-NOT transcription complex, subunit 3
32504	ENSG00000121896	PI3L1	30679	0	protein_coding	4	45911220	45911263	phosphoinositide 3-kinase-like 1
32515	ENSG00000163273	NPPC	30700	3	protein_coding	2	23278850	23279113	neuropeptide C
32516	ENSG00000186804	HNSL5S	30702	0	protein_coding	11	63228976	63236886	HNS-like suppressor family, member 5
32518	ENSG00000139824	CRS3	30702	0	protein_coding	12	50926155	50926158	chromatin synthase 5
32528	ENSG000002087652	CRS8	30711	0	protein_coding	19	7571938	7584508	Uncharacterized protein
32534	ENSG00000116106	EPHA4	30716	2	protein_coding	2	22248922	22248922	EPH receptor A4
32537	ENSG00000102071	TRAF1	30716	0	protein_coding	12	710745	710745	zinc finger, C2H2-type containing 11B
32542	ENSG00000177311	ZBTB3A	30724	8	protein_coding	3	141043055	141166834	zinc finger and BTB domain containing 3B
32548	ENSG000002059120	SMIM8	30733	5	protein_coding	17	73842323	73844057	small integral membrane protein 8
32549	ENSG00000144960	SMIM7	30733	2	protein_coding	17	1833817	1833817	membrane domain containing
32571	ENSG00000183793	NINP1A	30756	1	protein_coding	16	15457516	15474904	nuclear pore complex interacting protein family, member A5
32574	ENSG00000176033	FAM20E	30757	8	protein_coding	6	11683269	11684955	family with sequence similarity 25, member E
32577	ENSG00000181118	TRAF3	30758	0	protein_coding	12	67134527	67134527	zinc finger, C2H2-type containing 3B
32589	ENSG00000179097	HTFR1	30774	3	protein_coding	3	8803846	88042919	5-hydroxytryptamine (serotonin) receptor 1F, G-protein-coupled
32592	ENSG00000126531	C2orf105	30776	1	protein_coding	20	62184373	62184661	chromosome 2 open reading frame 105
32604	ENSG00000164928	GAMT18	30788	0	protein_coding	14	6927244	6927244	UDP-N-acetyl-alpha-D-galactosamine polyphosphate N-acetylgalactosaminyltransferase 18
32625	ENSG00000158342	CSP3	30814	0	protein_coding	17	38171614	38174066	colony stimulating factor 3 (granulocyte)
32627	ENSG00000186716	BCR	30815	4	protein_coding	22	23521891	23602224	breakpoint cluster region
32652	ENSG00000116143	ANKK3	30823	0	protein_coding	16	882863	882863	muon 16, cell surface associated
32663	ENSG00000158729	OSTN	30832	3	protein_coding	3	150917030	15093804	osteonin
32669	ENSG00000131122	SPATA6	30837	2	protein_coding	1	48761044	48937445	spermatogenesis associated 6
32698	ENSG00000101623	FAM78C3	30853	0	protein_coding	1	587816	587816	RAN binding protein 3
32699	ENSG00000104813	INTS10	30870	0	protein_coding	9	19674651	19709594	integrator complex subunit 10
32712	ENSG00000155621	CBR85	30881	0	protein_coding	9	74528426	74590070	chromosome 9 open reading frame 85
32714	ENSG00000102998	MILK4	30882	0	protein_coding	17	786780	786780	actin binding LIM protein
32730	ENSG00000099343	MYO9A	30907	3	protein_coding	15	72114632	72114632	myosin IXA
32731	ENSG000002021440	CLP1S1	30908	0	protein_coding	6	35748794	35751052	collapsin 1
32738	ENSG00000102668	SMC2L6	30913	3	protein_coding	13	3992013	3992013	SPOC2 subunit
32753	ENSG00000118432	CNR1	30926	1	protein_coding	6	88849583	88876078	cannabinoid receptor 1 (brain)
32757	ENSG00000175931	UBE2O	30928	4	protein_coding	17	74385532	74449289	ubiquitin-conjugating enzyme E2D
32763	ENSG00000162623	ICD5L9	30931	5	protein_coding	21	45642874	45660489	gelsolin - cell-to-stimulator ligand
32762	ENSG00000162623	FRS2B	30932	0	protein_coding	12	69881262	69881262	tyrosine phosphatase receptor substrate 2
32781	ENSG00000182973	CNOT10	30961	2	protein_coding	3	32726337	32815367	CCR4-NOT transcription complex, subunit 10
32791	ENSG00000126173	PCKN1A	30963	6	protein_coding	14	60596269	60596881	pearsin-like 4 (Onopeltis)
32792	ENSG0000014346	SMT1	30966	8	protein_coding	16	16711662	16711662	small integral membrane protein 7
32795	ENSG00000184937	WNT1	30968	0	protein_coding	11	32469321	32469776	Wntless tumor 1
32799	ENSG00000206260	PRKRA	30971	1	protein_coding	7	18972266	18972120	protein rich 23A
32801	ENSG00000193369	MTFR4	30974	5	protein_coding	9	66626896	66626896	myristic acid related protein 4
32837	ENSG00000176889	LRRC37A3	31005	8	protein_coding	7	62895430	62915598	leucine rich repeat containing 37, member A3
32838	ENSG00000183032	SLC25A21	31008	2	protein_coding	17	37147636	37420471	solute carrier family 25 (mitochondrial oxalidate carrier), member 21
32843	ENSG00000160236	TRAF1	31012	0	protein_coding	12	1620171	1620171	zinc finger, C2H2-type containing 2
32848	ENSG000002011034	GEM	31017	0	protein_coding	17	17942606	17947178	GEM domain subunit 4
32854	ENSG00000151150	ANKK2	31027	6	protein_coding	10	61786996	62495248	ankyrin 3, node of Ranvier (alpha 3)
32856	ENSG00000180616	ANKK1	31028	0	protein_coding	17	71161151	71161151	ankyrin repeat domain subunit 2
32863	ENSG00000144285	SCN1A	31035	0	protein_coding	2	16684570	16684570	sodium channel, voltage-gated, type I, alpha subunit
32909	ENSG00000186111								

33291	ENSG00000107179	PALD1	31430	0	protein_coding	10	7223857	7223209	phosphatase domain containing, patatin 1
33296	ENSG00000202271	IFNL3	31438	0	protein_coding	19	4358183	4358183	pregnancy specific beta-1-glycoprotein 3
33298	ENSG00000197110	IFNL3	31438	0	protein_coding	19	39734246	39735446	interferon, lambda 3
33299	ENSG00000102048	ASB9	31442	0	protein_coding	1	15253410	15258959	ankyrin repeat and SOCS box containing 9
33301	ENSG00000116198	CEP89	31443	0	protein_coding	1	3728443	3737378	centrosomal protein 104kDa
33307	ENSG00000105942	CSH1	31448	0	protein_coding	16	61681146	62014269	muscle csh domain containing 3, type 2
33309	ENSG00000117597	DEXF	31450	0	protein_coding	1	21001352	21030910	digestive organ expansion factor homolog (zebrafish)
33316	ENSG00000145128	PKM2	31455	2	protein_coding	2	25383722	25391772	phosphoenolpyruvate carboxykinase
33330	ENSG00000104474	SUN3	31458	0	protein_coding	7	42948872	42957816	Sart and aortic arch domain containing 3
33341	ENSG00000135592	CHRNA2	31472	0	protein_coding	2	23399709	23401377	cholinergic receptor, nicotinic, delta (muscle)
33346	ENSG00000205566	PRM2C	31476	0	protein_coding	7	42948872	42951773	Troponin subunit alpha type-2
33349	ENSG00000205911	PRKR1L	31478	0	protein_coding	15	84841262	84850908	ubiquitin-conjugating enzyme E2 family member 2 like
33353	ENSG00000130550	SAMD10	31480	0	protein_coding	20	62605466	62611361	sterile alpha motif domain containing 10
33355	ENSG00000137869	CYP11A1	31488	0	protein_coding	15	61500224	61508307	cytochrome P450, family 19, subfamily A, polypeptide 1
33369	ENSG00000202993	ARHGAP9	31510	0	protein_coding	4	9171215	9171453	family with sequence similarity 80, member A20
33378	ENSG00000149330	RNAH3	31515	4	protein_coding	11	7394884	7422702	prolyl 4-hydroxylase, alpha polypeptide III
33383	ENSG00000183666	PSQR	31521	0	protein_coding	4	43711943	43713662	pregnancy specific beta-1-glycoprotein 9
33390	ENSG00000155691	STRK1	31529	0	protein_coding	2	22015517	22015599	serine/threonine kinase 16
33423	ENSG00000183709	IFNL2	31562	0	protein_coding	19	39759154	39767032	interferon, lambda 2
33425	ENSG00000162670	BMNP3	31564	0	protein_coding	1	140069762	190440149	bone morphogenetic protein/nitinic acid inducible neural-specific 3
33430	ENSG00000105333	MARCK1	31572	0	protein_coding	1	17641769	17659549	MYCIP-associated, basic expressed 1
33448	ENSG00000187242	KRT12	31603	0	protein_coding	17	39017556	39023482	keratin 12
33461	ENSG00000105499	PLAGL3C	31616	0	protein_coding	19	48551100	48614074	phospholipase A2, group IVC (cytosolic, calcium-independent)
33466	ENSG00000104748	ARHGAP9	31621	0	protein_coding	4	9171215	9171453	Rho GTPase activating protein 6
33475	ENSG00000202067	SETD4	31627	0	protein_coding	1	9254096	9254096	SET-like protein
33480	ENSG00000111752	PHCI	31633	0	protein_coding	12	9068492	9069403	polyhomocysteine 1 (Drosophila)
33504	ENSG00000105022	RFK4	31653	3	protein_coding	8	117198375	117233206	regulatory factor 2, 6
33509	ENSG00000164188	RANBP3L	31658	0	protein_coding	5	3624838	3630216	RAN binding protein 3-like
33519	ENSG00000183072	NGSTRN	31667	0	protein_coding	2	169843049	169722024	nitric oxide synthase trafficking
33545	ENSG00000101843	GLIS3	31702	0	protein_coding	7	48939745	48940716	glutathione S-transferase theta 2B (neuroendocrine)
33555	ENSG00000158348	INSMG	31706	0	protein_coding	14	36003240	36006260	insulin-associated 2
33556	ENSG00000128731	HERC2	31708	4	protein_coding	15	2835186	28367289	HECT and RLD domain containing E3 ubiquitin protein ligase 2
33557	ENSG00000205335	RASGEF1	31710	0	protein_coding	15	7621168	7621315	Ras protein-specific guanine nucleotide-releasing factor 2
33560	ENSG00000182303	IFNL1	31717	5	protein_coding	19	3978695	39793913	interferon, lambda 1
33565	ENSG0000014335	TUBE1	31722	0	protein_coding	6	11231960	11240932	tubulin, epsilon 1
33573	ENSG0000013358	FRS3	31723	0	protein_coding	2	20722469	20722469	6-phosphofructo-2-kinase/fructose 2,6-bisphosphatase 2
33574	ENSG00000169933	FRMPD4	31729	0	protein_coding	4	1216555	1216442	FERM and PDZ domain containing 4
33575	ENSG00000104199	FAM22B	31732	0	protein_coding	2	67749320	67760619	fumarate/acetoacetyl hydrolase domain containing 2B
33580	ENSG00000105014	CEACAM14	31735	0	protein_coding	2	5621844	5621844	Deaf (Hsdh) homolog, auxiliary C, member 14
33583	ENSG00000093163	SEC22C	31741	0	protein_coding	3	4258461	4258472	SEC22 vesicle trafficking protein homolog C (S. cerevisiae)
33589	ENSG00000186904	LRRRC28	31744	0	protein_coding	15	9973587	9983054	leucine rich repeat containing 28
33593	ENSG00000101903	RAV1B	31745	0	protein_coding	10	7385147	7385147	activating signal transducer 1 complex subunit 1
33594	ENSG00000154162	CDH12	31752	0	protein_coding	5	2175782	2285317	cadherin 12, type 2 (N-cadherin 2)
33600	ENSG00000202036	PCP4	31760	0	protein_coding	20	62230653	62230307	RTEL1-TNFRSF6B readthrough (NMD candidate)
33601	ENSG00000186599	CELSR4	31766	0	protein_coding	18	56942369	56942369	complex 4
33609	ENSG00000105022	DUS4L	31767	0	protein_coding	8	10720269	10721896	dihydrodiphenylsulfone 1-like (S. cerevisiae)
33619	ENSG00000158423	RBC1	31781	1	protein_coding	9	5344839	5344839	RIB3A domain with coiled-coils 1
33627	ENSG0000008544	TDRD3	31789	0	protein_coding	13	60910591	6114612	tubulin domain containing 3
33644	ENSG00000105166	CANL1	31791	0	protein_coding	16	71924416	71924136	catenulin 1
33656	ENSG00000175764	TLL1	31813	7	protein_coding	9	124544207	124548885	tubulin tyrosine ligase-like family, member 11
33670	ENSG00000125556	LONRF3	31834	3	protein_coding	4	11815681	11815218	LON peptidase N-terminal domain and ring finger 3
33677	ENSG00000144026	DNAH9	31839	0	protein_coding	16	71217461	71217461	DEAF (Ara-H) box polypeptide 3B
33705	ENSG00000167281	RFXO3	31865	7	protein_coding	17	7708247	7710350	RNA binding protein, fox-1 homolog (C. elegans)
33708	ENSG00000129311	CITFEO1	31864	4	protein_coding	4	71521498	71521377	CtBP300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1
33709	ENSG00000101313	CEACAM16	31866	0	protein_coding	2	7042278	7042278	colony-stimulating factor 1 domain containing 16
33710	ENSG00000197603	C5orf42	31869	7	protein_coding	5	37166339	3724950	chromosome 5 open reading frame 42
33719	ENSG00000186202	CRYM4	31879	0	protein_coding	21	4458918	44592915	crystallin, alpha A
33722	ENSG00000101168	PCAT2	31879	0	protein_coding	20	4259786	4259786	poly(A) binding protein, cytoplasmic 1-like
33742	ENSG00000188163	FAM168A	31906	2	protein_coding	9	140138036	140142222	family with sequence similarity 165, member A
33748	ENSG00000157623	AP3C2	31910	0	protein_coding	15	90373831	90437574	adaptor-related protein complex 3, sigma 2 subunit
33756	ENSG00000195923	PCP4	31910	0	protein_coding	20	62230653	62230307	zinc finger protein 165
33760	ENSG00000186280	KDM4D	31948	0	protein_coding	9	9476845	9476288	lysine (K)-specific demethylase 4D
33801	ENSG00000128472	GUCY1C	31957	0	protein_coding	3	10862639	10862742	guanylate cyclase activator 1C
33803	ENSG00000141027	TRIO2	31973	0	protein_coding	11	14553481	14553481	guanine nucleotide-binding protein 10
33811	ENSG00000141637	CACNA1A	31984	9	protein_coding	19	13317256	13734804	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit
33814	ENSG00000103289	TSSC1	31986	9	protein_coding	2	2152699	2361693	tumor suppressing substrate/transferable candidate 1
33820	ENSG00000105022	CEACAM14	31987	0	protein_coding	12	4296864	4296864	chromosome 12 open reading frame 14
33834	ENSG00000179242	CDH4	31992	2	protein_coding	20	59827482	60015673	cadherin 4, type 1, R-cadherin (retinal)
33861	ENSG00000186472	TMEM190	32025	4	protein_coding	19	55888204	55888912	transmembrane protein 190
33875	ENSG00000101766	SLC22A1	32041	0	protein_coding	17	3552349	3552349	zinc finger protein 185, type 1
33887	ENSG00000145217	LOC2041	32048	1	protein_coding	4	972861	987228	solute carrier family 26 (anion exchanger), member 1
33890	ENSG00000101440	ASIP	32050	2	protein_coding	20	32742375	32857150	signal transducing protein
33895	ENSG00000105813	ALDH2	32053	0	protein_coding	16	6824262	6824262	aldehyde dehydrogenase 2, family, member 1
33907	ENSG00000128910	FEZF1	32063	0	protein_coding	7	121941448	121950745	FEZ family zinc finger 1
33912	ENSG0000017239	MAN1B1	32065	0	protein_coding	9	189991379	19400383	mannosidase, alpha, class 1B, member 1
33915	ENSG00000105022	CEACAM14	32067	0	protein_coding	11	11468208	11468208	colocal domain containing 11
33930	ENSG00000187848	PRRX2	32084	1	protein_coding	12	13319306	13319872	paninergic receptor P2X2, ligand-gated ion channel, 2
33932	ENSG00000204656	RPL3	32088	0	protein_coding	14	10134862	10135184	ribosomal protein L3
33933	ENSG00000101783	CCND3	32091	12	protein_coding	12	12208284	12208284	cellular domain containing 62
33934	ENSG00000101188	NTR1	32097	0	protein_coding	20	61340189	61340123	neurokinin receptor 1 (high affinity)
33936	ENSG00000120209	SSTR5	32091	2	protein_coding	16	1122756	1131454	somatostatin receptor 5
33940	ENSG00000101427	RIF1	32104	0	protein_coding	8	5552067	5552067	retinoblastoma protein 1 (subnuclear domain)
33956	ENSG00000137668	STRAP	32115	0	protein_coding	15	74411807	74504008	stimulated by retinoic acid 6
33961	ENSG00000144119	C12L2	32119	3	protein_coding	2	119913819	119914645	complement component 1, g subcomponent-like 2
33962	ENSG00000205970	PCPWR2	32120	0	protein_coding	5	140780703	140780703	proteasome activator complex 2
33963	ENSG00000145258	C12orf1	32127	6	protein_coding	2	1911206	20575862	chromosome 12 open reading frame 1
33966	ENSG00000182963	ZNF67	32144	2	protein_coding	3	42947223	42960625	zinc finger protein 662
33985	ENSG00000186440	ARHGAP4	32144	3	protein_coding	4	100673275	100708448	aromatase repeat containing, X-linked 4
33994	ENSG00000205177	C11orf1	32144	0	protein_coding	1	33722147	33722147	chromosome 9 open reading frame 91
34000	ENSG00000157653	C6orf43	32148	0	protein_coding	9	116172304	116191484	chromosome 9 open reading frame 43
34004	ENSG00000187180	SAR1A	32164	4	protein_coding	17	4810404	48207246	sterile alpha motif domain containing 14
34019	ENSG00000163462	TRIM45	32164	0	protein_coding	12	159158137	159158137	sterile alpha motif domain containing 46
34024	ENSG00000196917	HGAR1	32188	1	protein_coding	12	12314824	12315390	hydroxybutyrate acid receptor 1
34032	ENSG00000205922	UNC5C3	32191	6	protein_coding	17	1752072	1760887	one cut homeobox 3
34041	ENSG00000110918	PCP4	32196	0	protein_coding	20	62230653	62230307	cytochrome RNA synthetase
34063	ENSG00000183396	PIM3C	32202	0	protein_coding	12	10259027	102591623	pro-mitogenic-concentrating hormone
34067	ENSG00000186446	ZNF501	32240	3	protein_coding	3	44711088	44718575	zinc finger protein 501
34082	ENSG00000105022	CE							

34410	ENS00000116396	KCNCA	32587	0	protein_coding	1	110753965	110625722	potassium voltage-gated channel, Shaw-related subfamily, member 4
34411	ENS00000114398	IRX3	32613	0	protein_coding	2	48713738	48713738	irx3 domain 3
34420	ENS00000148429	USP9L	32601	0	protein_coding	10	11459495	11653763	USP9L N-terminal like
34428	ENS00000170396	ZNF804A	32607	0	protein_coding	2	185463093	185402149	zinc finger protein 804A
34445	ENS00000112041	TUJ1	32626	0	protein_coding	6	35400715	35400715	tubby like protein 1
34461	ENS000001731	SAMD12	32642	0	protein_coding	8	119251668	119824234	sterile alpha motif domain containing 12
34466	ENS00000197406	DIO3	32646	2	protein_coding	14	102027688	102027688	deiodinase, iodothyronine, type III
34468	ENS00000197680	DKK1	32650	0	protein_coding	7	137065783	137516138	dishevelled glycosylase, iso1a
34484	ENS00000195963	PA3A3	32652	0	protein_coding	8	223081660	223103115	pancreas 3
34488	ENS00000195248	RAC3	32653	0	protein_coding	5	35043233	35047166	gap junction protein, delta 2, 38Da
34500	ENS00000166895	IKZF3	32673	0	protein_coding	2	24261450	24266983	inhibitor of growth factor, member 5
34501	ENS00000192353	CMBP7	32674	4	protein_coding	2	30119705	30119705	chromatin remodelling protein 7
34508	ENS00000126535	NRL	32683	4	protein_coding	14	24549316	24549316	neural retina leucine zipper
34507	ENS00000130363	RSPO3	32686	0	protein_coding	6	159293903	159421219	radial spoke 2 homolog (Chlamydomonas)
34520	ENS00000130561	SAP3	32701	4	protein_coding	2	224214662	224225701	S-antigen, retina and placental (estrogen)
34532	ENS00000204463	ASPMO	32711	0	protein_coding	19	51014857	51017347	aspartate dehydrogenase domain containing
34538	ENS00000119227	PRX2	32719	0	protein_coding	3	196612014	196669931	phosphoglycolate glyoxylase biosynthesis, class 2
34550	ENS00000169951	ZNF764	32735	0	protein_coding	16	30565058	30569819	zinc finger protein 764
34577	ENS00000130022	PHR3C3	32755	0	protein_coding	X	150063596	150074396	proline rich G1 (G-carboxyglutamic acid) 3 (transmembrane)
34578	ENS00000231241	CO16B	32757	0	protein_coding	17	33234079	332360597	chaperonin containing TCP1, subunit beta (zeta 2)
34581	ENS000002037518	SHISA9	32757	0	protein_coding	6	12965477	13342272	shisa family member 9
34582	ENS00000122650	PSPN	32758	0	protein_coding	19	6375159	6379069	pereskinin
34597	ENS00000204245	PCH2H3	32773	4	protein_coding	5	140270601	140289348	chromothripsin gamma subfamily A, 3
34602	ENS00000092140	GEE3	32778	0	protein_coding	14	31028329	31088269	G2M-phase specific E3 ubiquitin protein ligase
34608	ENS00000125533	BHLHE23	32787	0	protein_coding	20	61637331	61638387	basic helix-loop-helix family, member e23
34613	ENS00000164946	FRS1L	32792	0	protein_coding	9	14724694	14810995	FRS3L related extracellular matrix 1
34628	ENS00000137218	FRS3	32803	0	protein_coding	6	41737914	41754280	fibroblast growth factor receptor substrate 3
34629	ENS00000184895	SRVY	32806	0	protein_coding	Y	2584886	2655740	sex determining region Y
34665	ENS00000197361	FXR1	32850	0	protein_coding	11	7468414	7468414	fibroblast xreceptor
34668	ENS00000197361	FXR2	32855	0	protein_coding	15	63889552	63894427	F-box and leucine-rich repeat protein 22
34687	ENS00000188467	SLC24A5	32848	2	protein_coding	15	48413169	48434869	solute carrier family 24 (sodium/potassium/calcium exchanger), member 5
34688	ENS00000170481	TM6SF2	32849	0	protein_coding	11	6118589	6118589	transmembrane protein 216
34699	ENS00000128617	OPN1SW	32862	0	protein_coding	7	128412545	128415844	opsin 1 (cone pigments), short-wave-sensitive
34728	ENS000002004611	ZNF616	32889	1	protein_coding	19	5261344	52643175	zinc finger protein 616
34729	ENS00000191428	TM6SF1	32890	0	protein_coding	19	4613988	4613988	transmembrane protein 216
34737	ENS00000125149	INHBF	32895	7	protein_coding	6	6714367	6714942	intracellular matrix receptor glycoprotein
34739	ENS000002004967	PCDH4A	32895	0	protein_coding	5	14018659	14019129	chromosome 16 open reading frame 70
34751	ENS00000164946	FRS1L	32792	0	protein_coding	9	14724694	14810995	FRS3L related extracellular matrix 1
34754	ENS00000176771	NCKAP5	32911	2	protein_coding	2	13429374	13429374	protein tyrosine phosphatase, non-receptor type 11
34756	ENS00000218416	PCDH10	32911	2	protein_coding	2	241388752	241388752	protocadherin protein 10
34760	ENS00000197374	ATOH7	32912	0	protein_coding	10	68994171	68994171	transmembrane protein 216
34811	ENS00000115297	TLX2	32952	7	protein_coding	2	74740590	74742474	T-cell leukemia homeobox 2
34820	ENS00000183153	GLD3	32959	5	protein_coding	17	38517235	38520067	gap junction protein, delta 3, 31.9kDa
34833	ENS00000160380	IFT27	32974	2	protein_coding	22	51716400	51712240	intraflagellar transport 27 homolog (Chlamydomonas)
34840	ENS00000170326	NTRK3B	32980	0	protein_coding	6	126753551	126753551	nuclear factor related to tyrosine binding protein
34845	ENS00000173688	GRPR4	32987	5	protein_coding	X	19007427	19140755	G protein-coupled receptor 64
34861	ENS00000204602	MCDAS	33004	4	protein_coding	5	54515442	54523143	multicatalytic differentiation and DNA synthesis associated cell cycle protein
34868	ENS00000160507	PCDH10	32911	2	protein_coding	2	241388752	241388752	protocadherin protein 10
34888	ENS00000102967	DHODH	33019	0	protein_coding	16	72042487	72059954	dihydrodipicolinate dehydrogenase (quinone)
34897	ENS00000145642	FAM198B	33021	0	protein_coding	5	63989139	64013917	family with sequence similarity 199, member B
34899	ENS00000178455	MKNR1	33029	0	protein_coding	10	23810454	23810454	melastatin like finger protein 3
34916	ENS00000116025	VAX2	33046	7	protein_coding	2	11712720	11760576	ventral anterior homeobox 2
34925	ENS00000209533	PCDH10	32911	2	protein_coding	2	241388752	241388752	protocadherin protein 10
34941	ENS00000125996	EPH4A1A	33048	4	protein_coding	2	311473158	311473158	ephrone A membrane protein band 4.1 like 4A
34958	ENS00000123411	KZF4	33089	2	protein_coding	12	56401443	56432219	KARFOS family zinc finger 4 (Eos)
34965	ENS00000118231	CHFD9	33109	0	protein_coding	2	208989321	208989321	crystallin, gamma D
34981	ENS00000205487	PHF21B	33147	0	protein_coding	22	45277042	45276880	chromatin remodelling protein 21B
35000	ENS00000187801	ZFP89	33145	0	protein_coding	1	40915774	40929390	ZFP89 zinc finger protein B
35016	ENS00000162039	LINC00254	33155	0	protein_coding	16	1888384	1824295	retrotransposon with OB domains
35019	ENS0000011454	RAB39C1	33155	0	protein_coding	12	12589714	12589714	RAB39C containing protein 1
35041	ENS00000148204	CR2	33183	1	protein_coding	9	12618449	12618403	crumbs homolog 2 (Drosophila)
35057	ENS00000136643	RPS9K1	33195	5	protein_coding	1	213224589	21344811	ribosomal protein S9 kinase, 52kDa, polypeptide 1
35070	ENS00000160520	PRKRI	33202	0	protein_coding	12	9020275	9020275	SLIT-ROBO GTPase activating protein 1
35082	ENS00000184949	FAM227A	33222	0	protein_coding	22	38974125	39052364	family with sequence similarity 227, member A
35096	ENS00000149329	GLT1B	33230	0	protein_coding	11	134201768	134242335	galactosylase, beta 1-like 2
35100	ENS00000102060	ZNF112	33232	0	protein_coding	7	144891702	144891702	zinc finger protein 212
35126	ENS00000162068	NTN3	33264	0	protein_coding	16	2521500	2524146	netrin 3
35135	ENS00000164939	RHD13	33275	0	protein_coding	19	55550476	55542659	retinol dehydrogenase 13 (all-trans-9-cis)
35142	ENS00000160871	UGT1A1	33283	0	protein_coding	5	360314	360314	UDP-glucosyltransferase 1 family, polypeptide A2
35146	ENS00000178460	MCM2DC2	33289	0	protein_coding	8	67782483	67782483	mitochondrial maintenance domain containing 2
35149	ENS00000142611	PRDM16	33291	0	protein_coding	1	2986732	3355185	PR domain containing 16
35156	ENS00000102068	ZNF122	33292	0	protein_coding	12	41662326	41662326	ZNF122-like 2 (Drosophila)
35163	ENS00000115815	DEPDC4	33297	0	protein_coding	12	100597447	100606857	DEP domain containing 4
35163	ENS0000013818	EMDOV	33303	0	protein_coding	17	7838965	78411886	

33153	ENSG00000250472	31310.7	0	0	sense_intronic	1	14484461	114485341		TRM99 intronic transcript 1 (non-protein coding)
33158	ENSG00000250508	31316.7	0	0	sense_intronic	1	8935847	8935896		END1 intronic transcript 1 (non-protein coding)
33952	ENSG00000250979	32107.7	0	0	sense_intronic	17	19480524	19481224		small nuclear RNA, HIACA box 59B
26887	ENSG00000252481	24889.3	0	0	sncRNA	14	95999692	95999696		small Cajal body-specific RNA 13
26813	ENSG00000252906	25251	0	0	sncRNA	1	17591738	17591776		small Cajal body-specific RNA 3
27688	ENSG00000253486	29153.5	0	0	sncRNA	4	53519416	53519437		small nuclear RNA, HIACA box 26
27996	ENSG00000252192	26250.5	0	0	sncRNA	12	122978660	122978788		Small nuclear RNA SNORA9
30648	ENSG00000204753	27494.1	0	0	sncRNA	7	20416954	20417024		Small nuclear RNA SNORA29
30643	ENSG00000216153	28419.7	0	0	sncRNA	15	179170622	179170792		Small nuclear RNA SNORA97
31529	ENSG00000199927	28844.5	0	0	sncRNA	3	30346513	30346527		small nuclear RNA U3
31094	ENSG00000251663	28718.5	0	0	sncRNA	12	76959232	76959264		Small nuclear RNA SNORA70
31529	ENSG00000206634	29734.6	0	0	sncRNA	7	65220513	65220446		small nuclear RNA, HIACA box 22
31544	ENSG00000221400	29743.3	0	0	sncRNA	10	43912098	43912888		Small nuclear RNA U3
31960	ENSG00000202355	29756.3	0	0	sncRNA	1	172489007	172489195		Small nuclear RNA SNORA72
31570	ENSG000002026603	29763.4	0	0	sncRNA	7	58123058	58123195		Small nuclear RNA SNORA22
31664	ENSG00000203744	29848.9	0	0	sncRNA	7	64526377	64526510		Small nuclear RNA SNORA22
32191	ENSG000002021025	30208.7	0	0	sncRNA	21	17657017	17657089		Small nuclear RNA SNORA74
32729	ENSG00000201448	30904.8	0	0	sncRNA	1	36884051	36884179		Small nuclear RNA SNORA63
32788	ENSG00000202142	30962.3	0	0	sncRNA	14	101442162	101442233		small nuclear RNA, C/D box 114-18
33391	ENSG00000199942	31022.3	0	0	sncRNA	14	101442314	101442388		small nuclear RNA, C/D box 114-19
33570	ENSG00000212493	31727.4	0	0	sncRNA	3	52723264	52723331		small nuclear RNA, C/D box 19
34092	ENSG00000202823	32262.3	0	0	sncRNA	14	101418193	101418270		small nuclear RNA, C/D box 114-2
34178	ENSG00000202328	32392.7	0	0	sncRNA	11	12926264	12926335		Small Cajal body specific RNA 10
34383	ENSG00000198390	32560.3	0	0	sncRNA	14	101429391	101429467		small nuclear RNA, C/D box 114-7
18488	ENSG00000252244	17173.4	0	0	sncRNA	8	14883892	148838153		RNA, U7 small nuclear 3 pseudogene
22914	ENSG00000202875	22198.4	0	0	sncRNA	4	41898146	41898252		RNA, U6 small nuclear 701, pseudogene
26223	ENSG00000202309	24888.1	0	0	sncRNA	X	48816440	48816543		RNA, U6 small nuclear 722, pseudogene
27891	ENSG00000198906	26410.2	0	0	sncRNA	3	40540382	40540494		RNA, U6 small nuclear 2, pseudogene
29133	ENSG00000202920	27033.7	0	0	sncRNA	1	12603377	12603469		RNA, U6 small nuclear 1147, pseudogene
29158	ENSG00000201113	27599.9	0	0	sncRNA	2	32439525	32439631		RNA, U6 small nuclear 647, pseudogene
29762	ENSG00000202160	28140.6	0	0	sncRNA	10	11182916	11182970		RNA, U4 spliceosomal RNA
30221	ENSG00000202703	28591.3	0	0	sncRNA	4	15971542	15971648		RNA, U6 small nuclear 126, pseudogene
30738	ENSG000002022640	29016.3	0	0	sncRNA	14	70827009	70827075		RNA, U4 small nuclear 51, pseudogene
30761	ENSG000002020893	29042.1	0	0	sncRNA	16	20756831	20756937		RNA, U6 small nuclear 944, pseudogene
31058	ENSG00000215129	29233.3	0	0	sncRNA	12	66882292	66882405		RNA, U6 small nuclear 343, pseudogene
31156	ENSG000001999512	29377.8	0	0	sncRNA	15	59633513	59633616		RNA, U6 small nuclear 212, pseudogene
31533	ENSG00000201317	29738.1	0	0	sncRNA	1	93166376	93166411		RNA, U4 small nuclear 59, pseudogene
31581	ENSG00000201446	29795.9	0	0	sncRNA	X	91953093	91953263		RNA, U2 small nuclear 26, pseudogene
31604	ENSG00000203685	29802.2	0	0	sncRNA	X	49949605	49949711		RNA, U6 small nuclear 1193, pseudogene
31692	ENSG00000201176	29885.6	0	0	sncRNA	4	16898956	16899012		RNA, U6 small nuclear 853, pseudogene
32358	ENSG00000202601	30423.9	0	0	sncRNA	12	12421509	12421619		RNA, U6 small nuclear 928, pseudogene
32475	ENSG00000199927	30648.4	0	0	sncRNA	2	17589487	17589495		RNA, U6 small nuclear 1293, pseudogene
32715	ENSG000002021058	30891.3	0	0	sncRNA	4	71568736	71568840		RNA, U6 small nuclear 784, pseudogene
32717	ENSG00000202496	30897.0	0	0	sncRNA	6	34262526	34262668		RNA, U6 small nuclear 50, pseudogene
32744	ENSG00000222716	30919.5	0	0	sncRNA	14	66852661	66852712		RNA, U6 small nuclear 31, pseudogene
33083	ENSG00000202629	31240.5	0	0	sncRNA	4	68235309	68235472		RNA, U1 small nuclear 63, pseudogene
33169	ENSG000002027205	31325.7	0	0	sncRNA	1	14896498	14896572		RNA, variant U1 small nuclear 16
33296	ENSG00000202481	31406.2	0	0	sncRNA	1	147511004	147511167		RNA, variant U1 small nuclear 8
33318	ENSG000002027062	31455.9	0	0	sncRNA	1	164608002	164608008		RNA, U6 small nuclear 171, pseudogene
33357	ENSG00000202533	31461.9	0	0	sncRNA	5	18072998	18072971		RNA, U6 small nuclear 705, pseudogene
33447	ENSG00000202028	31803.3	0	0	sncRNA	1	54821279	54821384		RNA, U6 small nuclear 1331, pseudogene
33708	ENSG000002020105	31865.8	0	0	sncRNA	12	15824841	15824744		RNA, U6 small nuclear 251, pseudogene
33876	ENSG000002027513	32039.5	0	0	sncRNA	1	16993289	16993443		RNA, U1 small nuclear 3
34000	ENSG00000202292	32129.3	0	0	sncRNA	1	180727668	180727933		RNA, U6 spliceosomal RNA
34031	ENSG000002027389	32181.4	0	0	sncRNA	1	17087011	17087174		RNA, U1 small nuclear 4
34035	ENSG000002027205	32191.8	0	0	sncRNA	10	13259289	13259375		RNA, U6 small nuclear 6, pseudogene
34041	ENSG00000202638	32215.3	0	0	sncRNA	12	49819865	49819862		RNA, U6 small nuclear 52, pseudogene
34111	ENSG000002021745	32275.2	0	0	sncRNA	9	37938704	37938785		RNA, U7 small nuclear 124, pseudogene
34278	ENSG000002021198	32375.5	0	0	sncRNA	2	232369701	232369812		RNA, U2 small nuclear 22, pseudogene
34298	ENSG000002021198	32383.0	0	0	sncRNA	12	35011920	35011922		RNA, U1 small nuclear 42, pseudogene
34723	ENSG00000198325	32885.1	0	0	sncRNA	11	66382435	66382561		RNA, U4 small nuclear 39, pseudogene
34775	ENSG000002023595	32966.7	0	0	sncRNA	3	48221818	48221879		RNA, U7 small nuclear 128, pseudogene
34833	ENSG000002021815	33033.3	0	0	sncRNA	20	14331035	14331071		RNA, U6 small nuclear 726, pseudogene
35293	ENSG000002020701	33414.4	0	0	sncRNA	2	85432049	85432155		RNA, U6 small nuclear 674, pseudogene
28100	ENSG00000211707	26055	0	0	IR, U, gene	7	142032006	142032527		T cell receptor beta variable 7-1 (non-functional)
21579	ENSG000002037550	21256	0	0	transcribed_processed_pseudo_gene	15	62664459	62748784		ubiquitin-conjugating enzyme E2Q family member 2 pseudogene 6
30994	ENSG000002065158	29244.4	0	0	transcribed_processed_pseudo_gene	18	29304161	29306919		leucine rich repeat containing 37, member A7, pseudogene
32966	ENSG000002023508	31140	0	0	transcribed_processed_pseudo_gene	8	163188	182231		ribosomal protein L23a pseudogene 53
33003	ENSG000002041143	31173.5	0	0	transcribed_processed_pseudo_gene	3	14988325	14988731		ribosomal protein L32 pseudogene 9
33103	ENSG000002081315	31281.7	0	0	transcribed_processed_pseudo_gene	15	39609290	39611466		La ribonucleoprotein domain family, member 4 pseudogene
33738	ENSG00000179362	31899.3	0	0	transcribed_processed_pseudo_gene	15	45803334	45879488		high mobility group nucleosomal binding domain 2 pseudogene 46
33873	ENSG00000208389	32037.9	0	0	transcribed_processed_pseudo_gene	18	30091626	30094597		WW domain binding protein 11 pseudogene 1
34201	ENSG000002042779	32377.4	0	0	transcribed_processed_pseudo_gene	19	53471504	53541151		zinc finger protein 702, pseudogene
35043	ENSG000002023517	33184.2	0	0	transcribed_processed_pseudo_gene	20	30774280	30778330		testis specific protein, Y linked 26, pseudogene
35056	ENSG000002023918	33624.2	0	0	transcribed_processed_pseudo_gene	8	38291865	38293182		ribosomal protein S20 pseudogene 22
25113	ENSG000002087023	24078	0	0	transcribed_unprocessed_pseudo_gene	17	66121918	66148809		leucine rich repeat containing 37, member A16, pseudogene
30843	ENSG00000204338	29120.1	0	0	transcribed_unprocessed_pseudo_gene	6	31973413	31976228		cytochrome P450, family 21, subfamily A, polypeptide 1 pseudogene
31176	ENSG000002057513	29400.4	0	0	transcribed_unprocessed_pseudo_gene	18	11619508	11639698		nuclear pore complex interacting protein family, member B1, pseudogene
31587	ENSG00000214534	29784.2	0	0	transcribed_unprocessed_pseudo_gene	11	71525091	71523594		zinc finger protein 705E
31612	ENSG00000202943	29809.9	0	0	transcribed_unprocessed_pseudo_gene	17	6757180	6857426		arachidonate 12-lipoxygenase pseudogene 2
32331	ENSG00000204929	30058.9	0	0	transcribed_unprocessed_pseudo_gene	1	149369722	149399226		histone cluster 2, H2bb (pseudogene)
33064	ENSG000002048593	31224.4	0	0	transcribed_unprocessed_pseudo_gene	12	6993846	6994980		desitin (actin depolymerizing factor) pseudogene 2
34053	ENSG000002023820	32225.1	0	0	transcribed_unprocessed_pseudo_gene	10	89577685	89605359		collin 1 (non-muscle) pseudogene 1
29350	ENSG00000202484	27177	0	0	unitary_pseudogene	11	5489716	5490952		olfactory receptor, family 21, subfamily A, member 10 pseudogene
31721	ENSG00000214768	29116.3	0	0	unitary_pseudogene	11	59719508	59719607		ovicic secreted protein 1
31119	ENSG000002027473	29339.3	0	0	unitary_pseudogene	8	145196117	145198567		testis-specific serine kinase 5 pseudogene 1
36413	ENSG00000224786	33519.7	0	0	unitary_pseudogene	4	123651703	123653348		centrin EF-hand protein 4, pseudogene
28621	ENSG000002030869	28023.3	0	0	unprocessed_pseudogene	10	46174140	46195880		centaurin, gamma-like family, member 10 pseudogene
30384	ENSG00000202185	28703.5	0	0	unprocessed_pseudogene	2	96180575	96188555		tripartite motif containing 84F, pseudogene
30840	ENSG00000203061	29115.9	0	0	unprocessed_pseudogene	11	49548582	49580872		immunoglobulin lambda-like polypeptide 3, pseudogene
31122	ENSG000002029586	29341.8	0	0	unprocessed_pseudogene	3	106919915	106920012		separase motif-containing 51E, pseudogene
34198	ENSG000002048498	32374.7	0	0	unprocessed_pseudogene	8	47450835	47526145		MT-ND1 pseudogene 16
34207	ENSG00000158712	32709.7	0	0	unprocessed_pseudogene	9				

26709	ENSG00000138294	MSMB	24565.4	0					microsomeprotein, beta-
26997	ENSG00000201678		24789.1	0	10	51549498	51562817		
26144	ENSG00000228335		24917.6	0					
26169	ENSG00000232454		24944	0					
26266	ENSG00000256664		25009	0					
26334	ENSG00000256491		25060.9	0					
26556	ENSG00000223821		25283.8	0					
26608	ENSG00000242702		25344.4	0					
26704	ENSG00000249411		25397.5	0					
26708	ENSG00000225471		25406.6	0					
26625	ENSG00000186696	CWC25	25513.6	0	17	36956687	36961734		CWC25 spliceosome-associated protein homolog (S. cerevisiae)
27146	ENSG00000188035	MMP12	25786.1	0					
27259	ENSG00000110347		25883.9	0	11	102733467	102745784		matrix metalloproteinase 12 (macrophage elastase)
27240	ENSG000002081105		25911.3	0					
27372	ENSG00000211741		26134.8	0					
27760	ENSG00000236992		26295.4	0					
28034	ENSG00000212456		26533	0	1	147984146	147984313		RNA, variant U1 small nuclear 13
28221	ENSG00000209279		26719.3	0	1	116915890	116920176		Uncharacterized protein
28266	ENSG00000213613		26766.1	0					
28273	ENSG000002081549		26768.9	0					
28281	ENSG00000211259		26999.1	0					
28537	ENSG000002082171		27019.3	0					
28586	ENSG00000205244		27058.7	0					
28933	ENSG00000252453		27102.4	0	8	8916049	8916140		Small nuclear RNA U3
28769	ENSG00000258472		27244.6	0					
28814	ENSG00000251158		27287.5	0					
28960	ENSG00000209728		27347.5	0					
28860	ENSG00000258090		27354.3	0					
28910	ENSG00000206780		27438.4	0					
29198	ENSG00000256864		27534.5	0					
29219	ENSG00000202129		27654.1	0	1	35893417	35893494		RNA, Ro-associated Y5 pseudogene 1
29226	ENSG00000235548		27681.4	0					
29273	ENSG00000250570		27688.8	0					
29276	ENSG00000253556		27700.3	0					
29299	ENSG00000254883		27726.9	0					
29347	ENSG00000208758		27775.7	0					
29356	ENSG00000250940		27784.3	0					
29409	ENSG000002060379		27836.4	0					
29474	ENSG00000205689		27895.3	0					
29519	ENSG00000213152		27937.3	0	3	187896331	187898598		Uncharacterized protein
29528	ENSG00000231496		27942.9	0					
29544	ENSG00000231571		28040.4	0					
29555	ENSG00000208908		28048.9	0					
29673	ENSG00000272430		28062.7	0					
29696	ENSG00000206796		28062.7	0					
29715	ENSG00000229686		28100.4	0					
29734	ENSG00000222348		28118.9	0	3	10258896	10259003		RNA, U6 small nuclear 814, pseudogene
29739	ENSG00000251795		28124.4	0					
29813	ENSG00000204700		28192.6	0					
29820	ENSG00000255036		28207.8	0					
29884	ENSG00000211573		28237.6	0					
29884	ENSG000002049131		28232.2	0					
29887	ENSG00000208300		28266.7	0					
29899	ENSG00000229031		28273.4	0					
29915	ENSG000002048431		28288.2	0					
29938	ENSG000002060432		28307.9	0					
29997	ENSG00000231704		28368.4	0					
30006	ENSG00000229897		28378.6	0					
30013	ENSG00000270166		28386.5	0					
30067	ENSG00000208891		28433.9	0					
30100	ENSG00000230800		28450.1	0	12	101752526	101752627		Small nuclear RNA U13
30142	ENSG00000236975		28506	0					
30154	ENSG00000258454		28515.9	0					
30193	ENSG00000204022		28549.3	0					
30194	ENSG00000237728		28550.2	0					
30203	ENSG00000211394		28555.2	0					
30214	ENSG00000231163		28562.1	0					
30294	ENSG00000228970		28638.8	0					
30333	ENSG00000236699		28660.6	0					
30362	ENSG00000231777		28686.6	0					
30383	ENSG00000215899		28703	0					
30400	ENSG00000206050		28716.2	0					
30402	ENSG00000208884		28717.6	0					
30415	ENSG00000228960		28725.7	0					
30440	ENSG000002047867		28741.1	0					
30449	ENSG00000230800		28763.5	0					
30457	ENSG00000233981		28756.5	0					
30486	ENSG00000272540		28777.6	0					
30495	ENSG00000208930		28784	0					
30510	ENSG00000233969		28794.4	0					
30569	ENSG00000258675		28842.9	0					
30574	ENSG00000230454		28848.3	0					
30613	ENSG00000255124		28892	0					
30632	ENSG00000254659		28905.2	0					
30636	ENSG00000256198		28912.6	0					
30648	ENSG00000226311		28923.1	0					
30657	ENSG00000248222		28933.7	0					
30666	ENSG00000208978		28943.6	0					
30660	ENSG00000206268		28961.2	0					
30688	ENSG00000223838		28973.2	0					
30703	ENSG00000256644		28977.8	0					
30706	ENSG00000221788		28978	0					
30729	ENSG00000233800		29005.1	0					
30730	ENSG00000224316		29007.4	0					
30744	ENSG00000229620		29026.5	0					
30749	ENSG000002087354		29030.3	0					
30752	ENSG00000233944		29034.1	0					
30779	ENSG00000221430		29059.7	0					
30787	ENSG00000208846		29065.8	0					
30809	ENSG00000232596		29088.1	0					
30818	ENSG00000232696		29096.9	0					
30824	ENSG00000232310		29103.1	0					
30831	ENSG00000228961		29107.9	0					
30865	ENSG00000213443		29134.8	0					
30921	ENSG00000237729		29181.4	0					
30922	ENSG00000252981		29182.3	0	2	170672789	170672888		Small nuclear RNA U3
30927	ENSG00000230953		29188.1	0					
30929	ENSG00000271888		29189.3	0					
30933	ENSG000002081298		29190.9	0					
30955	ENSG00000204468		29191.7	0					
30959	ENSG00000228358		29209.2	0					
30966	ENSG00000247131		29219.2	0					
30989	ENSG00000232739		29242.6	0					
30991	ENSG00000253945		29242.9	0					
30997	ENSG00000228907		29252	0					
31000	ENSG00000231213		29253.3	0					
31014	ENSG00000248844		29261.6	0					
31030	ENSG00000255125		29271.1	0					
31038	ENSG000002081089		29279.8	0					
31084	ENSG00000251340		29315.4	0					
31088	ENSG00000214754		29319.4	0					
31088	ENSG00000251559		29329	0					
31113	ENSG00000231361		29334.1	0					
31165	ENSG00000244468		29390.9	0					
31175	ENSG00000204468		29399.4	0					
31199	ENSG00000152265	SPON1	29422.6	0	11	13983914	14289646		spondin 1, extracellular matrix protein
31225	ENSG000002087437		29446.2	0					
31229	ENSG00000226453		29447	0					
31234	ENSG00000204601		29452.6	0					
31254	ENSG00000235781		29476.9	0					
31256	ENSG000002081543		29478.3	0					
31263	ENSG00000213366		29480.8	0					
31275	ENSG00000237423		29495.2	0					
31276	ENSG00000253199		29496	0					
31290	ENSG00000209712		29505.5	0					
31294	ENSG000002066369		29505.9	0					
31300	ENSG000002084914		29509.9	0					
31306	ENSG00000231196		29518.5	0					
31317	ENSG000002089349		29530	0					
31333	ENSG00000234628		29554.1	0					
31351	ENSG00000222495		29572.5	0					
31368	ENSG00000218261		29587.6	0					
31372	ENSG00000223995		29593.2	0					
31389	ENSG00000233495		29604.5	0					
31425	ENSG00000255553		29644.2	0					
31430	ENSG00000297420		29649.6	0					
31440	ENSG00000253373		29657.3	0					
31445	ENSG00000258862		29661.5	0					
31453	ENSG00000213657		29667.5	0					
31454	ENSG00000214488		29667.8	0					
31469	ENSG00000220401		29683.4	0					

31493	ENSG00000271952		29699	0					
31494	ENSG00000271958		29699	0					
31508	ENSG00000247213		29711	0					
31520	ENSG00000236886		29724	0					
31538	ENSG00000234683		29726	0					
31545	ENSG00000229919		29745	0					
31550	ENSG00000287381		29748	0					
31555	ENSG00000268108		29754	0					
31576	ENSG00000183103	LYPD4	29778	0	19	42341148	42348760		LY6PLAUR domain containing 4
31578	ENSG00000295843		29778	0					
31620	ENSG00000255389		29814	0					
31631	ENSG00000252699		29820	0					
31639	ENSG00000252699		29827	0	1	153970517	153970627		Small nuclear RNA U3
31648	ENSG00000224506		29837	0					
31654	ENSG00000132513	POM121C	29841	0	7	75046096	75115548		POM121 transmembrane nucleoporin C
31655	ENSG00000259848		29841	0					
31674	ENSG00000227517		29862	0					
31675	ENSG00000269178		29862	0					
31699	ENSG00000223751		29890	0					
31703	ENSG00000254012		29892	0					
31746	ENSG00000237466		29903	0	9	97934777	97934680		Small nuclear RNA U13
31738	ENSG00000260737		29918	0					
31740	ENSG00000237186		29924	0					
31743	ENSG00000240379		29931	0					
31761	ENSG00000250076		29949	0					
31775	ENSG00000264988		29989	0					
31786	ENSG00000225025		29976	0					
31848	ENSG00000232982		30042	0					
31884	ENSG00000231173		30055	0					
31887	ENSG00000230377		30072	0					
31895	ENSG00000234921		30089	0					
31897	ENSG00000218472		30090	0					
31908	ENSG00000230131		30097	0					
31917	ENSG00000271880		30107	0					
31926	ENSG00000248187		30113	0					
31938	ENSG00000231513		30126	0					
31950	ENSG00000267976		30134	0					
31971	ENSG00000121388		30164	0					
31978	ENSG00000230529		30188	0					
31985	ENSG00000235559		30175	0					
31990	ENSG00000269761		30180	0					
32013	ENSG00000230957		30193	0					
32064	ENSG00000271480		30253	0					
32077	ENSG00000262796		30270	0					
32083	ENSG00000260546		30286	0					
32103	ENSG00000225271		30294	0					
32118	ENSG00000228167		30311	0					
32119	ENSG00000241592		30311	0					
32121	ENSG00000207143		30315	0					
32158	ENSG00000254251		30345	0					
32162	ENSG00000230295		30347	0					
32186	ENSG00000240930		30369	0					
32215	ENSG00000260867		30399	0					
32238	ENSG00000248915		30425	0					
32241	ENSG00000265770		30427	0	14	32911547	32911843		RNA 7SL, cytoplasmic 660, pseudogene
32260	ENSG00000251460		30444	0					
32267	ENSG00000272218		30457	0					
32279	ENSG00000265967		30468	0					
32302	ENSG00000232821		30487	0					
32322	ENSG00000239824		30503	0					
32354	ENSG00000230388		30507	0					
32369	ENSG00000242902		30540	0					
32390	ENSG00000248956		30553	0					
32399	ENSG00000230388		30562	0					
32402	ENSG00000232256		30565	0	17	34216562	34216808		RNA 7SL, small nuclear pseudogene 274
32449	ENSG00000243648		30615	0					
32463	ENSG00000230296		30629	0					
32482	ENSG00000240163		30661	0					
32494	ENSG00000231385		30678	0					
32501	ENSG00000234735		30683	0					
32531	ENSG00000250237		30714	0					
32535	ENSG00000258301		30718	0					
32550	ENSG00000248183		30736	0					
32568	ENSG00000259954		30754	0					
32578	ENSG00000232862		30759	0					
32607	ENSG00000230328		30783	0					
32629	ENSG00000232346		30816	0					
32638	ENSG00000257219		30821	0					
32671	ENSG00000231399		30844	0					
32701	ENSG00000208153		30871	0					
32723	ENSG00000224773		30889	0					
32729	ENSG00000248939		30901	0					
32733	ENSG00000237870		30910	0					
32769	ENSG00000234371		30939	0					
32818	ENSG00000194768	C17orf50	30969	0	17	34087916	34092098		chromosome 17 open reading frame 50
32822	ENSG00000205176		30991	0					
32823	ENSG00000205281	GOLGA8L4	30993	0	15	82635130	82641706		golgn A6 family-like 10
32828	ENSG00000272396		30999	0					
32833	ENSG00000240778		31000	0					
32848	ENSG00000258178		31016	0					
32850	ENSG00000243406		31021	0					
32877	ENSG00000291786		31045	0					
32886	ENSG00000260300		31055	0					
32894	ENSG00000253877		31061	0					
32900	ENSG00000215104		31097	0	X	79528830	79559699		charged multivesicular body protein 1B2, pseudogene
32932	ENSG00000178193		31099	0					
32935	ENSG00000234996		31099	0					
32943	ENSG00000251764		31113	0					
32958	ENSG00000223960		31127	0					
32963	ENSG00000271711		31136	0					
32981	ENSG00000175944	TMEM185A	31125	0	X	148078216	14813568		transmembrane protein 185A
32989	ENSG00000260017		31162	0					
33006	ENSG00000254938		31174	0					
33014	ENSG00000208138		31182	0					
33016	ENSG00000272247		31182	0					
33032	ENSG00000248986		31197	0					
33047	ENSG00000232155		31204	0					
33060	ENSG00000101888		31222	0					
33062	ENSG00000208198		31222	0					
33067	ENSG00000252378		31254	0					
33112	ENSG00000178755		31270	0					
33114	ENSG00000253121		31273	0					
33117	ENSG00000208418		31274	0					
33137	ENSG00000230284		31297	0					
33139	ENSG00000257285		31297	0					
33148	ENSG00000254461		31301	0					
33148	ENSG00000225043		31301	0	12	98918254	98918535		RNA 7SL, cytoplasmic 179, pseudogene
33165	ENSG00000272057		31320	0					
33193	ENSG00000208433		31344	0					
33196	ENSG00000272277		31347	0					
33293	ENSG00000263586		31401	0					
33278	ENSG00000208149		31417	0					
33297	ENSG00000249508		31438	0					
33302	ENSG00000223537		31444	0					
33304	ENSG00000266544		31460	0					
33319	ENSG00000208293		31456	0					
33322	ENSG00000203652		31458	0					
33325	ENSG00000272003		31460	0					
33333	ENSG00000244756		31465	0					
33338	ENSG00000248602		31467	0					
33338	ENSG00000208189		31468	0					
33343	ENSG00000230930		31476	0					
33359	ENSG00000254502		31493	0					
33361	ENSG00000237739		31494	0					
33364	ENSG00000202251		31502	0					
33371	ENSG00000234459		31513	0					
33373	ENSG00000208918		31519	0					
33380	ENSG00000255210		31516	0					
33393	ENSG00000230234		31532	0					
33396	ENSG00000255686		31535	0					
33406	ENSG00000210221		31545	0					
33433	ENSG00000260304		31571	0					
33437	ENSG00000208911		31573	0					
33445	ENSG00000208737		31591	0					
33463	ENSG00000230454		31618	0					
33477	ENSG00000268835		31630	0					
33483	ENSG00000251120		31636	0					
33492	ENSG00000208062		31644	0					
33503	ENSG00000236085		31651	0					
33507	ENSG00000255353		31657	0					
33508	ENSG00000273361		31657	0					

33510	ENSG00000249038		31659	0					
33511	ENSG00000207205		31664	0					
33518	ENSG00000213875		31664	0					
33520	ENSG00000223673		31670	0					
33527	ENSG00000209749		31678	0					
33528	ENSG00000201958		31678	0					
33547	ENSG00000175911		31688	0	17	78977136	78978932		Uncharacterized protein
33548	ENSG00000246731		31689	0					
33561	ENSG00000255825		31715	0					
33563	ENSG00000255836		31720	0					
33564	ENSG00000201292		31721	0					
33566	ENSG00000208388		31726	0					
33580	ENSG00000177340		31738	0					
33596	ENSG00000208307		31755	0					
33611	ENSG00000205377		31771	0					
33613	ENSG00000208762		31773	0					
33616	ENSG00000204337		31780	0					
33636	ENSG00000204103		31797	0					
33637	ENSG00000205350		31798	0					
33638	ENSG00000205208		31798	0					
33642	ENSG00000213205		31800	0					
33653	ENSG00000204845		31810	0					
33662	ENSG00000208327		31820	0					
33667	ENSG00000202348		31831	0					
33671	ENSG00000204898		31835	0					
33675	ENSG00000202093		31838	0					
33696	ENSG00000202028		31857	0					
33700	ENSG00000207212		31859	0					
33712	ENSG00000208215		31874	0					
33718	ENSG00000205288		31878	0					
33736	ENSG00000204070		31888	0					
33752	ENSG00000208145		31917	0					
33768	ENSG00000205158		31918	0					
33761	ENSG00000207199		31924	0					
33764	ENSG00000203653		31926	0					
33768	ENSG00000212007		31927	0					
33770	ENSG00000203604		31931	0					
33771	ENSG00000207293		31934	0					
33774	ENSG00000201448		31938	0					
33780	ENSG00000205208		31942	0					
33800	ENSG00000207038		31957	0					
33804	ENSG00000205289		31959	0					
33810	ENSG00000208438		31963	0	6	186307330	18630925		stress responsive DNA/IB4 interacting membrane protein 1
33815	ENSG00000202142		31967	0					
33821	ENSG00000204478		31973	0					
33822	ENSG00000207218		31976	0					
33823	ENSG00000203286		31978	0					
33825	ENSG00000203693		31982	0					
33827	ENSG00000204155		31986	0					
33849	ENSG00000203762		32007	0					
33853	ENSG00000208974		32011	0					
33857	ENSG00000217204		32018	0					
33868	ENSG00000207178		32033	0					
33871	ENSG00000203467		32035	0					
33877	ENSG00000208638		32040	0					
33911	ENSG00000205426		32084	0					
33923	ENSG00000208143		32078	0					
33944	ENSG00000205117		32106	0					
33953	ENSG00000204348		32108	0					
33960	ENSG00000205148		32118	0					
33978	ENSG00000205918		32140	0					
33980	ENSG00000208096		32142	0					
33990	ENSG00000207130		32151	0					
33993	ENSG00000204874		32152	0					
33999	ENSG00000201492		32156	0					
34007	ENSG00000205201		32156	0					
34010	ENSG00000204280		32170	0					
34012	ENSG00000205806		32174	0					
34028	ENSG00000202720		32208	0					
34050	ENSG00000208836		32224	0					
34051	ENSG00000207514		32224	0					
34058	ENSG00000204278		32233	0					
34068	ENSG00000204838		32239	0					
34068	ENSG00000208323		32241	0					
34068	ENSG00000208163		32242	0					
34068	ENSG00000208363		32257	0					
34098	ENSG00000208356		32286	0					
34105	ENSG00000201158		32271	0					
34112	ENSG00000203592		32277	0					
34128	ENSG00000208962		32300	0					
34158	ENSG00000203751		32324	0					
34158	ENSG00000204790		32327	0					
34159	ENSG00000202767		32328	0					
34163	ENSG00000201209		32333	0	10	4816966	48175810		glutamate dehydrogenase 1 pseudogene 6
34164	ENSG00000204160		32333	0					
34167	ENSG00000147402		32337	0	X	151806637	151825999		gamma-aminobutyric acid (GABA) A receptor, beta
34170	ENSG00000201088		32342	0					
34174	ENSG00000207741		32346	0					
34181	ENSG00000203655		32355	0					
34182	ENSG00000208023		32359	0					
34183	ENSG00000204891		32368	0	14	104177807	104179148		Uncharacterized protein; cDNA FLJ3335
34197	ENSG00000204599		32374	0					
34203	ENSG00000204762		32378	0					
34209	ENSG00000202238		32388	0					
34228	ENSG00000197701		32401	0	4	53179	68099		zinc finger protein 595
34234	ENSG00000208730		32407	0					
34238	ENSG00000208095		32415	0					
34242	ENSG00000207093		32415	0					
34249	ENSG00000208206		32421	0					
34298	ENSG00000210223		32468	0					
34304	ENSG00000204469		32473	0					
34306	ENSG00000203858		32480	0					
34313	ENSG00000206063		32482	0					
34314	ENSG00000207284		32483	0					
34319	ENSG00000208646		32490	0					
34330	ENSG00000207030		32505	0					
34337	ENSG00000208364		32513	0	5	122408477	122408773		RNA, 7SL, cytoplasmic 711, pseudogene
34350	ENSG00000205124		32528	0					
34387	ENSG00000203209		32562	0					
34415	ENSG00000208302		32568	0	4	18711913	187112626		Uncharacterized protein
34439	ENSG00000203495		32619	0					
34443	ENSG00000203032		32626	0					
34452	ENSG00000208703		32632	0					
34455	ENSG00000208343		32638	0					
34457	ENSG00000202778		32639	0					
34504	ENSG00000208137		32679	0					
34518	ENSG00000205789		32699	0	14	101382173	101382230		Small nuclear RNA SNORD112
34542	ENSG00000208028		32721	0					
34557	ENSG00000208048		32738	0					
34568	ENSG00000203051		32739	0					
34558	ENSG00000208089		32739	0					
34572	ENSG00000208028		32752	0					
34573	ENSG00000207284		32752	0					
34575	ENSG00000207401		32754	0					
34588	ENSG00000205383		32760	0					
34592	ENSG00000204733		32771	0					
34595	ENSG00000205654		32772	0					
34601	ENSG00000203416		32776	0					
34607	ENSG0000017621	MAGX	32784	0	X	49019061	49024822		MAGI family member, X-linked
34610	ENSG00000204292		32787	0					
34612	ENSG00000207193		32787	0					
34618	ENSG00000207284		32791	0					
34640	ENSG00000207248		32813	0					
34643	ENSG00000201584		32817	0					
34655	ENSG00000207058		32829	0					
34672	ENSG00000208323		32838	0					
34679	ENSG00000202263		32843	0					
34682	ENSG00000204842		32844	0					
34689	ENSG00000208093		32850	0					
34716	ENSG00000205384		32875	0					
34742	ENSG00000208748		32888	0					
34745	ENSG00000205344		32902	0					
34766	ENSG00000208422		32911	0					
34768	ENSG00000207045		32912	0					
34769	ENSG00000203477		32923	0	1	1655368	16556038		chromosome 1 open reading frame 134
34777	ENSG00000205133		32927	0					
34786	ENSG00000163486	SRGAP2	32953	0	1	206516200	206637783		SLIT-ROBO Rho GTPase activating protein 2
34809	ENSG00000208207		32952	0					
34810	ENSG00000208142		32952	0					
34813	ENSG00000205847		32952	0					

20997	ENSG00000207962	MIR30C1	27539	-0.01	miRNA	1	41222956	41222944	miRNA30c-1
29123	ENSG00000207928	MIR196A3	42383	-0.01	miRNA	12	5438579	5438551	miRNA196a-3
29138	ENSG00000208017	MIR140	27571	-0.01	miRNA	16	6996984	6996703	miRNA140
29980	ENSG00000207646	MIR855	28352	-0.01	miRNA	14	10151587	10151593	miRNA855
30048	ENSG00000205599	MIR146B	28423	-0.01	miRNA	10	10416620	10416641	miRNA146b
30075	ENSG00000207785	MIR242	28423	-0.01	miRNA	2	5821576	5821678	miRNA242-2
30111	ENSG00000202103	MIR1262	28475	-0.01	miRNA	1	6884520	6884523	miRNA1262
30774	ENSG00000196073	MIR26A1	28977	-0.01	miRNA	3	9801095	9801097	miRNA26a-1
30813	ENSG00000206035	MIR143	29070	-0.01	miRNA	5	2151214	2151214	miRNA143
31088	ENSG00000212102	MIR301B	29789	-0.01	miRNA	22	22007270	22007247	miRNA301b
32453	ENSG00000215502	MIR1245A	30618	-0.01	miRNA	2	10152843	10152876	miRNA301b
32768	ENSG00000207808	MIR27A	30558	-0.01	miRNA	19	13947254	13947231	miRNA27a
33351	ENSG00000199100	MIR302C	31478	-0.01	miRNA	1	11559559	11559558	miRNA302c
33453	ENSG00000208375	MIR4666	31611	-0.01	miRNA	9	6007826	6007904	miRNA4666
34007	ENSG00000199179	MIR1E71	32158	-0.01	miRNA	12	62091466	62091750	miRNAlet-7f
34062	ENSG00000199187	MIR4668	32224	-0.01	miRNA	17	2902540	2902540	miRNA305b
34103	ENSG00000207949	MIR214	32270	-0.01	miRNA	1	17210793	17210847	miRNA214
34516	ENSG00000208017	MIR120A	32065	-0.01	miRNA	21	2210475	2210256	miRNA120a
34537	ENSG00000209041	MIR4660	32718	-0.01	miRNA	11	6240371	6240390	miRNA4660
34701	ENSG00000211578	MIR760	32665	-0.01	miRNA	1	9431238	9431267	miRNA760
34821	ENSG00000199130	MIR365A	32960	-0.01	miRNA	16	14403142	14403228	miRNA365a
34887	ENSG00000212574	MIR661	33004	-0.01	miRNA	8	14501939	14501947	miRNA661
34932	ENSG00000216566	MIR1255	33664	-0.01	miRNA	6	2140196	2140285	miRNA1255
38109	ENSG00000208458	MIR3122	33247	-0.01	miRNA	1	21225955	21225107	miRNA3122
38303	ENSG00000209029	MIR618	33467	-0.01	miRNA	12	5712946	5713042	miRNA618
38620	ENSG00000208024	MIR198A2	33728	-0.01	miRNA	1	17211875	17211374	miRNA198a-2
38668	ENSG00000207899	MIR4466	33781	-0.01	miRNA	6	15710812	15710885	miRNA4466
38693	ENSG00000207959	MIR318A	33808	-0.01	miRNA	19	1838269	1838269	miRNA318a
38922	ENSG00000208475	MIR189	34040	-0.01	miRNA	19	18497372	18497444	miRNA189
38938	ENSG00000208420	MIR3911	34160	-0.01	miRNA	9	13042966	13043074	miRNA3911
38953	ENSG00000209100	MIR100	34180	-0.01	miRNA	14	7931478	7931478	miRNA100
38963	ENSG00000212277	MIR1305	34757	-0.01	miRNA	4	18300445	18300531	miRNA1305
38964	ENSG00000208240	MIR5091	34761	-0.01	miRNA	4	1362549	1362561	miRNA5091
38965	ENSG00000214111	MIR1227	34769	-0.01	miRNA	19	2234188	2234188	miRNA1227
37147	ENSG00000207571	MIR6015	35260	-0.01	miRNA	12	54427734	54427829	miRNA6015
37298	ENSG00000208435	MIR3183	35417	-0.01	miRNA	20	3019489	3019543	miRNA3183
37722	ENSG00000208581	MIR3187	35508	-0.01	miRNA	11	4253584	4253584	miRNA3187
38387	ENSG00000208498	MIR4322	36569	-0.01	miRNA	19	1034108	1034161	miRNA4322
19223	ENSG00000201820		18434	-0.01	misc. RNA	4	5172065	5172071	Y RNA
20813	ENSG00000208651		32003	-0.01	misc. RNA	1	1584300	1584300	Y RNA
26713	ENSG00000201918		25410	-0.01	misc. RNA	4	16992640	16992649	RNA, Ro-associated Y4 pseudogene 17
28988	ENSG00000200888		27417	-0.01	misc. RNA	17	4314810	4314811	Y RNA
29064	ENSG00000206666		28627	-0.01	misc. RNA	18	5442067	5442067	Y RNA
29623	ENSG00000201175		28203	-0.01	misc. RNA	12	3157237	3157347	Y RNA
30196	ENSG00000202822		28551	-0.01	misc. RNA	1	23623977	23624072	Y RNA
30353	ENSG00000206460		28677	-0.01	misc. RNA	10	45517626	45517680	RNA, 75S, cytoplasmic 4S, pseudogene
30751	ENSG00000201581		29007	-0.01	misc. RNA	10	6191568	6191563	RNA, 75S, small nuclear pseudogene 78
31510	ENSG00000207292		29173	-0.01	misc. RNA	6	14992573	14992585	Y RNA
30585	ENSG00000201102		30833	-0.01	misc. RNA	2	17809717	17809823	Y RNA
29674	ENSG00000198683		30003	-0.01	misc. RNA	20	36603558	36603683	RNA, 75S, small nuclear pseudogene 185
32373	ENSG00000199975		31874	-0.01	misc. RNA	11	7353427	7353475	RNA, 75S, small nuclear pseudogene 243
33889	ENSG00000202974		32048	-0.01	misc. RNA	7	12916309	12916571	RNA, 75S, small nuclear pseudogene 228
34127	ENSG00000209268		32298	-0.01	misc. RNA	14	10004954	10004954	Y RNA
34267	ENSG00000201950		32443	-0.01	misc. RNA	5	78466057	78466158	RNA, Ro-associated Y3 pseudogene 1
34351	ENSG00000208074		32530	-0.01	misc. RNA	1	17370986	17370925	RNA, 75S, small nuclear pseudogene 160
34420	ENSG00000209286		32608	-0.01	misc. RNA	6	17509681	17509686	RNA, 75S, small nuclear pseudogene 69
34530	ENSG00000198883		32710	-0.01	misc. RNA	11	16863800	16864134	RNA, 75S, small nuclear pseudogene 50
34543	ENSG00000201364		32722	-0.01	misc. RNA	10	22222072	22222072	RNA, 75S, small nuclear pseudogene 37
34641	ENSG00000209286		32793	-0.01	misc. RNA	12	10214667	10214641	RNA, 75S, small nuclear pseudogene 295
35108	ENSG00000200867		33246	-0.01	misc. RNA	4	7118181	7118181	RNA, 75S, small nuclear pseudogene 36
35247	ENSG00000208418		33379	-0.01	misc. RNA	X	39645760	39646077	RNA, 75S, cytoplasmic 73S, pseudogene
35464	ENSG00000209286		33503	-0.01	misc. RNA	1	1162350	1162350	RNA, 75S, small nuclear pseudogene 245
35800	ENSG00000204384		33919	-0.01	misc. RNA	2	23351459	23351484	RNA, 75S, cytoplasmic 35S, pseudogene
35897	ENSG00000202259		34038	-0.01	misc. RNA	9	3404994	3405042	RNA, 75S, small nuclear pseudogene 114
36116	ENSG00000201103		34319	-0.01	misc. RNA	22	2130820	2130820	Uncharacterized protein
36202	ENSG00000207142		34319	-0.01	misc. RNA	12	4284852	4284823	Y RNA
36460	ENSG00000202048		34565	-0.01	misc. RNA	20	16651296	16651367	Y RNA
36533	ENSG00000204868		34628	-0.01	misc. RNA	10	1162350	1162350	RNA, 75S, cytoplasmic 83S, pseudogene
36572	ENSG00000198550		34668	-0.01	misc. RNA	11	2393868	2393980	Y RNA
36758	ENSG00000208420		34870	-0.01	misc. RNA	X	11898842	11898845	RNA, 75S, cytoplasmic 118, pseudogene
36910	ENSG00000201021		35084	-0.01	misc. RNA	4	6568314	6568314	Y RNA
36993	ENSG00000207383		35112	-0.01	misc. RNA	2	11337061	11337161	Y RNA
37120	ENSG00000204230		35241	-0.01	misc. RNA	9	21699313	21699669	RNA, 75S, cytoplasmic 151, pseudogene
37644	ENSG00000206458	FBX1	35241	-0.01	polycomb target	13	3353068	3353068	F-box and leucine-rich repeat pseudogenes
17624	ENSG00000195834		15217	-0.01	processed_pseudogene	20	5369115	5369165	ribosomal protein L12 pseudogene 8
18216	ENSG00000208801		18427	-0.01	processed_pseudogene	9	7285111	7283284	ribosomal protein L21 pseudogene 8
20370	ENSG00000217508	RPSA9B	20953	-0.01	processed_pseudogene	7	8699528	8699527	ribosomal protein SA pseudogene 15
19831	ENSG00000204094		19901	-0.01	processed_pseudogene	3	4520126	4520126	ribosomal protein S24 pseudogene 8
20192	ENSG00000201234		20179	-0.01	processed_pseudogene	7	6588392	6588880	S-phase kinase-associated protein 1 pseudogene 1
20683	ENSG00000201528		20713	-0.01	processed_pseudogene	17	4479048	4479048	ribosomal protein S23 pseudogene 8
21261	ENSG00000203020		21005	-0.01	processed_pseudogene	X	7018214	7018343	ribosomal protein S23 pseudogene 8
21518	ENSG00000211300		21208	-0.01	processed_pseudogene	3	7526372	7526372	heterogeneous nuclear ribonucleoprotein A3 pseudogene 6
21801	ENSG00000201161		21603	-0.01	processed_pseudogene	6	10522708	10522703	Y box binding protein pseudogene 2
22478	ENSG00000212421		22106	-0.01	processed_pseudogene	6	11671478	11671478	chromatin homing 3 pseudogene 3
22485	ENSG000002030437	PAAG4P4	21931	-0.01	processed_pseudogene	3	15652340	15652821	proliferation-associated 2G4 pseudogene 4
22607	ENSG00000206972		22630	-0.01	processed_pseudogene	13	73614713	73615123	lally acid binding protein 5 pseudogene 1
23078	ENSG00000209816		22827	-0.01	processed_pseudogene	12	53519837	53519811	HG1 homeobox nuclear domain family, member 1A pseudogene 1
23148	ENSG00000202848		22457	-0.01	processed_pseudogene	6	14991520	14991579	ribosomal protein S18 pseudogene 2
23372	ENSG00000204541		22649	-0.01	processed_pseudogene	20	55170727	55171769	ribosomal protein S41 pseudogene 3
23373	ENSG00000204126		22647	-0.01	processed_pseudogene	16	22881524	22881524	ribosomal protein S41 pseudogene 3
23805	ENSG00000203559		22868	-0.01	processed_pseudogene	11	67450243	67450259	ribosomal protein L37 pseudogene 2
23943	ENSG00000204689		22843	-0.01	processed_pseudogene	3	15019593	15019598	SEI pseudogene 14
23762	ENSG00000209286		22953	-0.01	processed_pseudogene	6	83662664	83662664	heterogeneous nuclear ribonucleoprotein A3 pseudogene 5
24629	ENSG00000202694	RHEBP2	23968	-0.01	processed_pseudogene	10	47396223	47396223	Ras-homolog enriched in brain pseudogene 2
24699	ENSG00000211025		23989	-0.01	processed_pseudogene	10	70391226	70391484	COX20 cytochrome C oxidase assembly factor pseudogene 1
25062	ENSG00000209386	RPL51P3	24031	-0.01	processed_pseudogene	19	19014905	19014905	ribosomal protein S14 pseudogene 3
25262	ENSG00000213860	RPL21P28	24201	-0.01	processed_pseudogene	7	20042346	20042399	ribosomal protein L21 pseudogene 75
25305	ENSG00000213994		24237	-0.01	processed_pseudogene	1	72740235	72740482	GDP dissociation inhibitor 2 pseudogene 2
25666	ENSG00000204528		24403	-0.01	processed_pseudogene	1	11521643	115216	

34021	ENSG00000178556	32187	-0.01	processed_pseudogene	X	30635771	30635150	CDC28 protein kinase regulatory subunit 1B pseudogene 6	
34193	ENSG00000154721	32187	-0.01	processed_pseudogene	13	29170730	29170730	erythrocytic transferrin initiation factor 4A1 pseudogene 13	
34437	ENSG00000254013	32187	-0.01	processed_pseudogene	8	29855229	29854126	mitogen-activated protein kinase kinase 1 pseudogene 1	
34545	ENSG00000244096	32174	-0.01	processed_pseudogene	17	37011567	37011563	ribosomal protein S20 pseudogene 35	
34555	ENSG00000231659	32171	-0.01	processed_pseudogene	1	2657868	2658339	ribonucleotide H2, subunit C pseudogene 1	
34569	ENSG00000227795	32169	-0.01	processed_pseudogene	30	23559330	23559336	ribosomal protein S21 pseudogene 1	
34886	ENSG00000213943	32847	-0.01	processed_pseudogene	3	12828852	12830170	keratin 18 pseudogene 17	
34724	ENSG00000226853	32855	-0.01	processed_pseudogene	5	5482984	5483923	mgf finger protein 13E, E3 ubiquitin protein ligase pseudogene 1	
34764	ENSG00000266899	32919	-0.01	processed_pseudogene	19	3877989	3877989	Nanos homeobox pseudogene 5	
34776	ENSG00000251571	32927	-0.01	processed_pseudogene	4	10445246	10445239	ferritin, light polypeptide pseudogene 5	
34788	ENSG00000221744	32933	-0.01	processed_pseudogene	15	9337938	9337931	DEAD (Arg-Glu-Ala-Arg) box polypeptide 3, 4-inter pseudogene 3	
34851	ENSG00000215093	32993	-0.01	processed_pseudogene	X	85415288	85415283	MAUS arginine-like complex, subunit E pseudogene 1	
34902	ENSG00000259022	33035	-0.01	processed_pseudogene	14	35894968	35894967	erythrocytic elongation factor 1 alpha 1 pseudogene 29	
34933	ENSG00000233833	33059	-0.01	processed_pseudogene	X	86011947	86011947	DnaJ (Hsp40) homolog, subfamily C, member 8 pseudogene 1	
34934	ENSG00000244052	33067	-0.01	processed_pseudogene	8	10393559	10393543	ribosomal protein, large P2, pseudogene 1	
34948	ENSG00000229004	33080	-0.01	processed_pseudogene	2	88124461	88124462	mitochondrially encoded ATP synthase 8 pseudogene 2	
35087	ENSG00000233278	33225	-0.01	processed_pseudogene	9	30831876	30832222	erythrocytic elongation factor 1 gamma pseudogene 1	
35104	ENSG00000214498	33242	-0.01	processed_pseudogene	12	13029433	13029044	ribosomal protein L13a pseudogene 20	
35164	ENSG00000229559	33261	-0.01	processed_pseudogene	14	90570069	90569554	heat shock factor binding protein 1 pseudogene 1	
35190	ENSG00000237064	33289	-0.01	processed_pseudogene	7	10569275	10569201	erythrocytic translation initiation factor 3, subunit 1 pseudogene 1	
35290	ENSG00000224725	33414	-0.01	processed_pseudogene	10	72149182	72150382	centromeric protein 57kDa-like 1 pseudogene 1	
35396	ENSG00000214374	33468	-0.01	processed_pseudogene	8	27932953	27933292	ribosomal protein, large P2, pseudogene 1	
35393	ENSG00000231488	33500	-0.01	processed_pseudogene	1	28852830	28853730	peroxiredoxin 3 pseudogene 2	
35486	ENSG00000253906	33598	-0.01	processed_pseudogene	8	43125341	43127105	AFG3-like AWA A1Phase 2 pseudogene 1	
35521	ENSG00000244985	33633	-0.01	processed_pseudogene	12	121354548	121353938	ribosomal protein, L12 pseudogene 33	
35597	ENSG00000232550	33703	-0.01	processed_pseudogene	7	80068780	80067151	small nuclear ribonucleoprotein polypeptides B and B1 pseudogene 1	
35621	ENSG00000234107	33731	-0.01	processed_pseudogene	6	17662080	17662080	erythrocytic alpha globin pseudogene 1 (gene structure 34)	
35732	ENSG00000232812	33842	-0.01	processed_pseudogene	7	33212853	33213710	tumor protein, transcriptionally-controlled 1 pseudogene 1	
35733	ENSG00000232812	33842	-0.01	processed_pseudogene	7	33212853	33213710	tumor protein, transcriptionally-controlled 1 pseudogene 1	
35810	ENSG00000238484	33928	-0.01	processed_pseudogene	1	16134937	16134948	ribonucleotide reductase M2 polypeptide pseudogene 2	
35834	ENSG00000244668	33952	-0.01	processed_pseudogene	1	21103219	21103627	importin B pseudogene 1	
35850	ENSG00000237687	34047	-0.01	processed_pseudogene	2	14313348	14313348	ribosomal protein L23 pseudogene 1	
35900	ENSG00000237887	34047	-0.01	processed_pseudogene	2	54756450	54756508	ribosomal protein L23a pseudogene 32	
35970	ENSG00000175749	34055	-0.01	processed_pseudogene	5	10238080	10238735	erythrocytic translation initiation factor 3, subunit K pseudogene 1	
36000	ENSG00000245131	34062	-0.01	processed_pseudogene	18	10621818	10621803	colicid-nucleon containing 88 pseudogene 1	
36013	ENSG00000245453	34131	-0.01	processed_pseudogene	19	14599758	14599081	small nuclear ribonucleoprotein polypeptide G pseudogene 15	
36206	ENSG00000263179	34328	-0.01	processed_pseudogene	13	11336510	11337409	heterogeneous nuclear ribonucleoprotein C pseudogene 4	
36214	ENSG00000220749	34375	-0.01	processed_pseudogene	21	18896241	18896241	basic transcription factor 4-like 4 pseudogene 1	
36261	ENSG00000220749	34375	-0.01	processed_pseudogene	1	21224289	21225371	ribosomal protein L21 pseudogene 28	
36289	ENSG00000231158	34404	-0.01	processed_pseudogene	2	15892297	15892271	protein lysine phosphatase type IVA, member 1 pseudogene 1	
36305	ENSG00000235664	34418	-0.01	processed_pseudogene	10	81741087	81741088	zinc and ring finger 3 pseudogene 3	
36322	ENSG00000237417	34450	-0.01	processed_pseudogene	10	20362481	20362481	nucleophosmin 1 (nucleolar phosphoprotein B23, tumour) pseudogene 40	
36337	ENSG00000237417	34450	-0.01	processed_pseudogene	10	20362481	20362481	nucleophosmin 1 (nucleolar phosphoprotein B23, tumour) pseudogene 40	
36338	ENSG00000231162	34472	-0.01	processed_pseudogene	6	9496814	9496834	X-ray repair complementing defective repair in Chinese hamster cells 8 pseudogene 1	
36342	ENSG00000249031	34474	-0.01	processed_pseudogene	6	28414759	28414584	COX1 cytochrome c oxidase assembly homolog (yeast) pseudogene 1	
36492	ENSG00000213841	34590	-0.01	processed_pseudogene	14	56010119	56010887	ribosomal protein L7a pseudogene 4	
36525	ENSG00000258773	34733	-0.01	processed_pseudogene	12	12453090	12453103	solute carrier family 25 (mitochondrial carrier, phosphate carrier, member 3) pseudogene 2	
36556	ENSG00000211105	34734	-0.01	processed_pseudogene	15	84442642	84441124	heterogeneous nuclear ribonucleoprotein A3 pseudogene 12	
36611	ENSG00000234565	34787	-0.01	processed_pseudogene	7	148751053	148751285	cytochrome c oxidase subunit IV polypeptide 1 (ubiquitous) pseudogene 1	
36689	ENSG00000218512	34786	-0.01	processed_pseudogene	6	23857046	23857046	serine palmitoyltransferase, long chain base subunit 1 pseudogene 2	
36691	ENSG00000220458	34809	-0.01	processed_pseudogene	16	68825490	68825490	ferritin, light polypeptide pseudogene 14	
36856	ENSG00000227440	35082	-0.01	processed_pseudogene	3	172546558	172546608	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) pseudogene 4	
37056	ENSG00000285846	35179	-0.01	processed_pseudogene	17	25409716	25410822	Tu translation elongation factor, mitochondrial pseudogene 1	
37075	ENSG00000219842	35172	-0.01	processed_pseudogene	6	12947868	12948026	bone morphogenetic protein receptor, type IA pseudogene 1	
37102	ENSG00000239000	35226	-0.01	processed_pseudogene	9	2883108	2883131	erythrocytic elongation factor 1 alpha 1 pseudogene 41	
37224	ENSG00000217406	35239	-0.01	processed_pseudogene	22	18520889	18520922	NAH heteropolymerase 1 alpha pseudogene 5, 6 pseudogene 12	
37239	ENSG00000251440	35258	-0.01	processed_pseudogene	4	13834580	13834710	slathurin 1 pseudogene 2	
37308	ENSG00000235345	35275	-0.01	processed_pseudogene	X	100110277	100111388	heterogeneous nuclear ribonucleoprotein A1 pseudogene 26	
37366	ENSG00000239559	35281	-0.01	processed_pseudogene	6	60431100	60431100	family with sequence similarity 133, member C, pseudogene 1	
38285	ENSG00000268171	DYX1C1-CCP1	31065	-0.01	processed_transcript	15	55647448	55790558	DYX1C1-CCP1 (readthrough NMD candidate)
38184	ENSG00000224912	LINC00338	32359	-0.01	processed_transcript	17	70582798	70582798	long intergenic non-coding RNA, 338
38446	ENSG00000140728	SLC22A5-AS1	34324	-0.01	processed_transcript	18	25221039	25221039	small nuclear RNA (host gene 14 (nonprotein coding))
38275	ENSG00000250033	SLCTA1-AS1	33398	-0.01	processed_transcript	4	13897818	13899331	SLCTA1 antisense RNA 1
37375	ENSG00000242811	SLC22A5-AS1	35487	-0.01	processed_transcript	X	11895997	SLC22A5 antisense RNA 1	
10001	ENSG00000115579	FTF	12101	-0.01	protein_coding	6	7200456	7200456	ferritin, light polypeptide pseudogene 14
10836	ENSG00000115579	FTF	13015	-0.01	protein_coding	4	15525269	15553319	fibronectin gamma chain
10986	ENSG00000115579	FTF	13147	-0.01	protein_coding	4	15548108	15549238	fibronectin beta chain
12008	ENSG00000125521	GGC	14803	-0.01	protein_coding	6	72862100	72862100	group-specific cohesin (vitamin D binding protein)
13963	ENSG00000138207	RBPA	14788	-0.01	protein_coding	10	9535144	9535151	ribonin binding protein 4, plasma
13979	ENSG00000130288	APDC1	15233	-0.01	protein_coding	19	45417934	45422806	apoptodomain C1
13978	ENSG00000130288	SPRRA1	15233	-0.01	protein_coding	21	15203293	15203293	acid phosphatase protein 3
13993	ENSG00000241794	SPRRA2	15440	-0.01	protein_coding	1	152032859	152033013	small proline-rich protein 2A
14331	ENSG00000143339	SRAA2	15719	-0.01	protein_coding	11	18260770	18260790	serum amyloid A2
14897	ENSG00000258199	RFX	16618	-0.01	protein_coding	15	89991845	89991844	Rb family, C, cytochrome
14988	ENSG00000114011	KRT13	16229	-0.01	protein_coding	17	9957233	9957182	keratin 13
15048	ENSG00000126549	STATH	16280	-0.01	protein_coding	4	70861847	70862857	stathmin
15183	ENSG00000156581	HTN	16510	-0.01	protein_coding	4	5271011	5271011	hemoglobin, gamma G
15352	ENSG00000126550	HTN1	16510	-0.01	protein_coding	4	70911619	70924562	histatin 1
15579	ENSG00000143336	CRNN	16687	-0.01	protein_coding	1	152381719	15238739	cornulin
15914	ENSG00000110189	IFX	16618	-0.01	protein_coding	11	8462279	8463387	herpexin
16570	ENSG00000176361	CALML3	17447	-0.01	protein_coding	10	5569294	5569294	calmodulin-like 3
16631	ENSG00000123689	GOS2	17499	-0.01	protein_coding	1	20984875	20984933	GUG1with2 2
17226	ENSG00000186627	AMBP	17394	-0.01	protein_coding	9	11692467	11692467	alpha-1-microglobulin/albumin precursor
17296	ENSG00000187966	FTTH	17322	-0.01	protein_coding	11	81747196	81749132	long intergenic non-coding RNA, 338
17714	ENSG00000187588	GPDI	18292	-0.01	protein_coding	12	80497602	80505102	glycerol-3-phosphate dehydrogenase 1 (soluble)
18035	ENSG00000203785	SPRR2E	18526	-0.01	protein_coding	11	15368591	15368760	small proline-rich protein 2E
18212	ENSG00000204544	MRCP1	18921	-0.01	protein_coding	6	30891485	30891480	mucin 21, cell surface associated
18473	ENSG00000186776	PLINA	18856	-0.01	protein_coding	19	4502204	4502204	perlecan
18606	ENSG00000184173	BR3	18921	-0.01	protein_coding	10	97881891	97881762	brain protein 13
18606	ENSG00000184173	GTPM	18921	-0.01	protein_coding	10	113962694	113962694	glycerol-3-phosphate phosphatidylinositol transferase, mitochondrial
18698	ENSG00000158403	CIR	19235	-0.01	protein_coding	12	7187813	7187823	complement component 1, r-subcomponent
18695	ENSG00000158874	APDC2	19240	-0.01	protein_coding	1	161162082	161184241	apoptodomain II
19101	ENSG00000184999	MUC1	19145	-0.01	protein_coding	1	155130302	155130707	mucin, cell surface associated
19102	ENSG00000131686	CA6	19145	-0.01	protein_coding	1	8005926	8005181	muscle anhydrase VI
19416	ENSG00000131741	RPS29	19679	-0.01	protein_coding	14	50043390	50054038	ribosomal protein S29
19417	ENSG00000131741	RPS29	19679	-0.01	protein_coding	14	50043390	50054038	ribosomal protein S29
19578	ENSG00000242832	TG	19686	-0.01	protein_coding	8	133879203	13414747	thyroglobulin
19844	ENSG00000132693	CRP	19908	-0.01	protein_coding	1	15962079	15964879	C-reactive protein, pentamer-related

22201	ENSG0000011215	PRR4	21730	-0.01	protein_coding	12	10997559	11324212	protein rich 4 (taormina)
22246	ENSG0000019077	VTN	21730	-0.01	protein_coding	17	26991239	26101710	vitronectin
22283	ENSG00000198176	TFDP1	21765	-0.01	protein_coding	13	11423013	11429578	transcription factor Dp-1
22289	ENSG00000185873	TPRSS11B	21790	-0.01	protein_coding	4	69092371	69111438	transmembrane protease, serine 11B
22296	ENSG00000130768	IFBC	21791	-0.01	protein_coding	12	30741922	30840920	importin beta
22298	ENSG00000137255	TRNB	21792	-0.01	protein_coding	12	23022078	23022078	thrombospondin
22302	ENSG00000196072	BLOC1L2	21799	-0.01	protein_coding	10	10203373	10204649	biogenesis of lysosomal organelles complex-1, subunit 2
22308	ENSG00000134551	PRYH	21808	-0.01	protein_coding	12	11061636	11064840	proline-rich protein Heald1 subfamily 2
22312	ENSG00000101985	GYPYA	21809	-0.01	protein_coding	12	145050457	145051604	glycoprotein A (MNS blood group)
22313	ENSG00000195996	NFKB1	21809	-0.01	protein_coding	14	59870717	59873955	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor 1-alpha
22331	ENSG00000145234	SIRT7	21822	-0.01	protein_coding	2	27543396	27549995	sirtuin 7
22406	ENSG00000193495	CDKRAP3	21878	-0.01	protein_coding	6	46823589	46833410	CDK5 regulatory subunit associated protein 3
22417	ENSG00000230957	PMBP1	21882	-0.01	protein_coding	12	11446311	11446389	proline-rich protein BeH1 subfamily 4
22442	ENSG00000192899	MMPKAP2	21901	-0.01	protein_coding	1	20886289	20887628	mitogen-activated protein kinase-activated protein kinase 2
22605	ENSG00000143933	CALM1	22027	-0.01	protein_coding	2	30389807	30383599	calmodulin 2 (phosphorylase kinase, delta)
22670	ENSG00000111897	SELRINC1	22083	-0.01	protein_coding	6	12714449	12712987	serine incorporator 1
22696	ENSG00000195474	YFIC1	22184	-0.01	protein_coding	13	20741609	207327	gas and/or protein, beta 2, 20kDa
22719	ENSG00000161970	RMLP26	22127	-0.01	protein_coding	17	6280638	6286531	nucleolar protein L26
22723	ENSG00000114784	EIF18	22137	-0.01	protein_coding	3	40351175	40353915	eukaryotic translation initiation factor 18
22834	ENSG00000195256	NKAP3	22212	-0.01	protein_coding	19	47592084	4901897	N-ethylmaleimide-sensitive factor attachment protein, alpha
22848	ENSG00000131050	BRFA2	22223	-0.01	protein_coding	7	31789214	31789214	BPI fold containing family A, member 2
22975	ENSG00000198936	FLRG1	22331	-0.01	protein_coding	4	190891943	190894359	FSHD region gene 1
22981	ENSG00000101210	IF2	22342	-0.01	protein_coding	11	46710720	46711056	translation factor 1 (ribosomal)
23026	ENSG00000126233	SLURP1	22374	-0.01	protein_coding	8	143822362	14382326	secreted LY6/LAIR domain containing 1
23063	ENSG000001024103	MFBP	22400	-0.01	protein_coding	20	39314488	39317890	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B
23097	ENSG00000190473	CSA	22426	-0.01	protein_coding	8	31849001	31870458	complement component 4A (Rhesus blood group)
23103	ENSG0000010087161	TRAM1	22430	-0.01	protein_coding	8	71445877	71526222	translocation associated membrane protein 1
23132	ENSG00000112237	CXNC	22448	-0.01	protein_coding	6	99992956	99991689	cyclin C
23208	ENSG00000104827	CDK7	22458	-0.01	protein_coding	6	59621403	59623548	transcobalamin 1 (methyltetrahydrofolate synthase, R bander family)
23230	ENSG00000153989	NUS1	22533	-0.01	protein_coding	6	117996665	11803303	nuclear underactinyl phosphohistone 1 homolog (S. cerevisiae)
23351	ENSG00000170423	KRT78	22627	-0.01	protein_coding	12	53211588	53242876	keratin 78
23383	ENSG00000192993	DIR3B	22638	-0.01	protein_coding	2	11851285	11851285	DEAD (Aaa) domain basic helix-loop-helix polypeptide 18
23403	ENSG00000110711	AIP	22665	-0.01	protein_coding	12	67250512	67258574	aryl hydrocarbon receptor interacting protein
23506	ENSG00000170465	KRT6C	22733	-0.01	protein_coding	12	52862300	52867569	keratin 6C
23567	ENSG00000101871	LINC00254	22753	-0.01	protein_coding	1	36531103	36531103	LSM10, U17 snRNP RNA associated
23576	ENSG00000193766	FAM122A	22783	-0.01	protein_coding	9	71399649	71399649	family with sequence similarity 122A
23597	ENSG00000199205	ODAM	22792	-0.01	protein_coding	4	71062213	71070293	odontogenic, ameloblast associated
23619	ENSG00000199937	CDK31F	22810	-0.01	protein_coding	8	37481068	37481068	cell-olig domain containing 157
23628	ENSG00000158774	RAB5C	22824	-0.01	protein_coding	17	40270994	40307035	RAB5C, member RAS oncogene family
23645	ENSG00000099487	SPG21	22845	-0.01	protein_coding	15	65256382	65282848	spastic paraplegia 21 (autosomal recessive, mild syndrome)
23653	ENSG00000100109	HEP101	22858	-0.01	protein_coding	16	59898166	59899166	hemicycline-inducible, endoplasmic reticulum stress inducible, ubiquitin-like domain member 1
23862	ENSG00000193931	TKT	22877	-0.01	protein_coding	3	53297223	53297268	transketolase
23723	ENSG00000169594	CFR2	22926	-0.01	protein_coding	14	92582821	92607375	cleavage and polyadenylation specific factor 2, 100kDa
23727	ENSG00000131312	FLDT	22969	-0.01	protein_coding	6	38962299	38710710	filin-like 1
23767	ENSG00000190444	FRS4	22988	-0.01	protein_coding	8	62192321	62145221	hypoxia inducible alpha 1 polypeptide basic helix-loop-helix transcription factor
23832	ENSG00000198791	CNOT7	23005	-0.01	protein_coding	8	17068737	17104387	CCR4/NOT transcription complex, subunit 7
23884	ENSG00000148977	SNRPD	23048	-0.01	protein_coding	2	70506949	70509203	small nuclear ribonucleoprotein polypeptide G
23910	ENSG00000141107	BNS3	23049	-0.01	protein_coding	4	5000901	5000901	basic helix-loop-helix family, member e4f
23975	ENSG00000136226	GNM3	23123	-0.01	protein_coding	7	23275586	23341727	glycoprotein (transmembrane) nm6
23978	ENSG00000198307	S100B	23126	-0.01	protein_coding	21	48018076	48025121	S100 calcium binding protein B
23979	ENSG00000161419	LPO	23127	-0.01	protein_coding	17	66299929	66245479	lipopolysaccharide
23982	ENSG00000171234	UGT2B7	23127	-0.01	protein_coding	4	69971081	69976715	UDP glucuronosyltransferase 2 family, polypeptide B7
23986	ENSG00000204710	IFTB	23142	-0.01	protein_coding	3	109945241	109945241	Uchradactin associated 2
24008	ENSG00000191724	CHMP2A	23151	-0.01	protein_coding	19	29067024	29067024	

30885	ENSG00000130173	CTHRC6	29110.9	-0.01	protein_coding	19	11348778	11332619	chromosome 19 open reading frame 80
30888	ENSG00000141103	FANCD3A	29110.8	-0.01	protein_coding	20	6590244	6590468	family with sequence similarity 205, member A
30894	ENSG00000116904	MEF2D	29160.5	-0.01	protein_coding	1	156433519	156470620	myocyte enhancer factor 2D
30896	ENSG00000121022	COX5B	29162.7	-0.01	protein_coding	8	6795314	6796018	COP9 signalosome subunit 5
30898	ENSG00000101628	MNRAB	29201.4	-0.01	protein_coding	4	3262669	3262462	mRNA remodelling associated 5
30954	ENSG00000163435	ELF3	29209.5	-0.01	protein_coding	3	20181793	20181968	E74-like factor 3 (cell domain transcription factor, epithelial specific)
30965	ENSG00000135974	C2orf49	29217.5	-0.01	protein_coding	2	10595316	10595568	chromosome 2 open reading frame 49
30981	ENSG00000075565	GPR137B	29232	-0.01	protein_coding	1	23638582	23638185	protein-coupled receptor 137B
31003	ENSG00000104244	SRK7	29247.3	-0.01	protein_coding	21	20593799	20593952	G protein-coupled receptor kinase 7
31009	ENSG00000098769	IGFALS	29259	-0.01	protein_coding	16	1846414	1846472	carbonic dehydratase 3
31059	ENSG00000195783	SLC34A3	29266.8	-0.01	protein_coding	2	20569379	20569532	insulin-like growth factor binding protein, acidic isoform
31072	ENSG00000174564	ILIR3B	29310.1	-0.01	protein_coding	3	13666502	13672927	soluble carrier family 45, member 3
31101	ENSG00000118526	TCF21	29329	-0.01	protein_coding	6	134210278	134216981	interleukin 20 receptor beta
31114	ENSG00000200820	CXCR3L1	29338.2	-0.01	protein_coding	16	2746360	2746390	transcription factor 21
31152	ENSG00000204975	ECSCR	29375.5	-0.01	protein_coding	5	138784235	138842328	chemokine (C-X-C motif) ligand 1
31153	ENSG00000124343	XG	29375.6	-0.01	protein_coding	X	2670091	2744359	endothelial cell surface expressed chemokine and apoptosis regulator
31164	ENSG00000119222	TRF3	29389	-0.01	protein_coding	3	18984366	18984508	Xa blood group
31168	ENSG00000141578	ZNF750	29392.7	-0.01	protein_coding	17	80787311	80788454	lamin protein p63
31189	ENSG00000168799	RNASE7	29412.4	-0.01	protein_coding	14	21510385	21512393	zinc finger protein 750
31214	ENSG00000106028	RNASE2	29432.7	-0.01	protein_coding	14	103116488	103118033	ribonuclease, RNase A family, 7
31243	ENSG00000122507	BBS9	29441	-0.01	protein_coding	7	3316856	3316886	endosome
31261	ENSG00000134176	CYP2Z2	29437.4	-0.01	protein_coding	1	6035890	6035942	Bardet-Biedl syndrome 9
31323	ENSG00000100001	LQAF1	29440.5	-0.01	protein_coding	21	44453066	44453697	cytochrome P450, family 2, subfamily J, polypptide 2
31386	ENSG00000162238	STX5	29603.4	-0.01	protein_coding	11	6257438	6258960	1/2 cell nuclear RNA auxiliary factor 1
31402	ENSG00000106485	SLC12A2	29621.7	-0.01	protein_coding	5	12741948	12752580	syntaxin 5
31427	ENSG00000151526	QTRTD1	29645.1	-0.01	protein_coding	3	113374680	113387076	solute carrier family 12 (sodium/potassium/chloride transporter), member 2
31444	ENSG00000121481	RNF2	29681.4	-0.01	protein_coding	1	18501446	18501740	guanine diphosphate-ubiquitinase domain containing 1
31450	ENSG00000123843	CARP	29686.3	-0.01	protein_coding	1	207282187	207273338	ring finger protein 2
31465	ENSG00000163738	WIP3	29678.4	-0.01	protein_coding	2	1313761	1313802	complement component 4 binding protein, beta
31504	ENSG00000204120	GYFP2	29708.5	-0.01	protein_coding	2	23362009	23372588	U2 small nuclear RNA auxiliary factor 21
31526	ENSG00000107651	SEC23P	29728.9	-0.01	protein_coding	10	12165223	12170214	GRB10 interacting GYP protein 2
31541	ENSG00000100826	MLC1	29747.3	-0.01	protein_coding	22	50407820	50424113	SEC23 interacting protein
31552	ENSG00000132746	ALDH8B2	29751	-0.01	protein_coding	11	67429633	67448871	gap junction protein beta 5, 11-14kb
31553	ENSG00000126520	TRAF3IP1	29751.1	-0.01	protein_coding	16	6032816	6032874	megalencephalic leukoencephalopathy with subcortical cysts 1
31557	ENSG00000127952	STXYL1	29755.1	-0.01	protein_coding	7	75625656	75627322	aldehyde dehydrogenase 3 family, member B2
31563	ENSG00000168477	TNIB	29759.9	-0.01	protein_coding	6	30026931	30028111	telomeric repeat binding factor 2
31568	ENSG0000015112	TYRO3	29761.1	-0.01	protein_coding	12	12191163	12192783	serine/threonine tyrosine interacting like 1
31588	ENSG00000198944	SOWAHA	29762.8	-0.01	protein_coding	5	132149033	132152488	tenascin XB
31592	ENSG00000195289	GSGA8B	29789.8	-0.01	protein_coding	5	74382198	74374891	transcription factor CP2-like 1
31608	ENSG0000016499	IFITM2	29797.5	-0.01	protein_coding	2	14447845	14448205	transcription factor CP2-like 1
31607	ENSG00000149978	IGFBP7	29807.7	-0.01	protein_coding	7	49527956	49533267	second-wound cytokin receptor domain family member A
31608	ENSG00000186395	KRT10	29807.7	-0.01	protein_coding	17	38974369	38978847	group A keratin family member A
31634	ENSG00000188442	MUC7	29823.3	-0.01	protein_coding	6	8358226	8358778	keratin 10
31653	ENSG00000106491	ATP5B	29849.1	-0.01	protein_coding	2	21950338	21950638	

Table with columns for gene ID (e.g., ENSG000002025152), gene symbol (e.g., SAPCD1), coordinates (32279 1 -0.01), transcript type (protein_coding), RefSeq ID (e.g., NM_018667), RefSeq description (e.g., 31737097), UniProt ID (e.g., P39228), UniProt description (e.g., MSH5-SAPCD1 readthrough (NM0 candidate)), and other identifiers. The table contains approximately 330 rows of data.

36899	ENSG00000146197	SCUB3B3	33927	-0.01	protein_coding	6	3518290	3522056	signal peptide, CUB domain, EGF-like 3
36899	ENSG00000146197	GRAM18	33927	-0.01	protein_coding	11	1233644	1233644	GRAM domain containing 18
36899	ENSG00000146197	PLEKH7A	33940	-0.01	protein_coding	11	1078942	1078942	pleckstrin homology domain containing, family A member 7
36899	ENSG00000146197	NTNG1	33970	-0.01	protein_coding	1	10768269	10802080	netrin G1
36899	ENSG00000146197	MARK3D3	33973	-0.01	protein_coding	16	7660064	7767017	MARVEL domain containing 3
36899	ENSG00000146197	PCSX1	33976	-0.01	protein_coding	16	9934766	9934766	4-hydroxy-5-oxopentanoic aldolase 1
36899	ENSG00000146197	LRR3C4C	33982	-0.01	protein_coding	11	4013573	4148132	leucine rich repeat containing 4C
36899	ENSG00000146197	TMEM9A	33984	-0.01	protein_coding	3	11948340	11918707	transmembrane protein 90A
36899	ENSG00000146197	PFM1	33991	-0.01	protein_coding	1	11328918	11328918	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 1J
36899	ENSG00000146197	TAC1	33992	-0.01	protein_coding	7	9738120	9738120	tyrosinase, precursor
36899	ENSG00000146197	PFET3	33996	-0.01	protein_coding	6	13612834	13651872	phosphodiesterase 7B
36899	ENSG00000146197	TMEM39	33998	-0.01	protein_coding	7	14288256	14288256	transmembrane protein 139
36899	ENSG00000146197	ED2B	34015	-0.01	protein_coding	19	40021630	40022494	EP300 interacting inhibitor of differentiation 2B
36899	ENSG00000146197	TRNAU7AP	34017	-0.01	protein_coding	1	28879597	28905081	tRNA selenocysteine 1 associated protein 1
36899	ENSG00000146197	PI26A	34022	-0.01	protein_coding	18	44389439	44501123	protein inhibitor of activated STAT 2
36899	ENSG00000146197	ASTN2	34029	-0.01	protein_coding	9	118187504	120177348	astrotactin 2
36899	ENSG00000146197	FAM135A	34030	-0.01	protein_coding	6	71122644	71270787	family with sequence similarity 135, member A
36899	ENSG00000146197	PCDH6	34032	-0.01	protein_coding	5	14070731	140892548	protocadherin gamma subfamily A, 6
36899	ENSG00000146197	KALRN	34035	-0.01	protein_coding	3	12378870	124445172	katrin, RhoGEF kinase
36899	ENSG00000146197	GAN	34044	-0.01	protein_coding	16	81348557	81424499	gastroin
36899	ENSG00000146197	ZFP76	34052	-0.01	protein_coding	19	36920592	36920592	ZFP19 zinc finger protein
36899	ENSG00000146197	MST4	34061	-0.01	protein_coding	5	68892176	68845423	microtubule associated serine/threonine kinase family member 4
36899	ENSG00000146197	USP42	34064	-0.01	protein_coding	7	6144515	6201195	ubiquitin specific peptidase 42
36899	ENSG00000146197	NPAS3	34070	-0.01	protein_coding	14	33404139	34273382	neuronal PAS domain protein 3
36899	ENSG00000146197	TIGD4	34085	-0.01	protein_coding	4	15369506	15370918	legger transposable element derived 4
36899	ENSG00000146197	NCX1	34089	-0.01	protein_coding	16	5652241	5657047	naïve cationic homomer 1 (Drosophila)
36899	ENSG00000146197	HS1ST6	34101	-0.01	protein_coding	16	1981484	1984411	heparan sulfate (glucosamine) 3-O-sulfotransferase 6
36899	ENSG00000146197	CLUL1	34102	-0.01	protein_coding	18	596888	603334	clusterin-like 1 (refine)
36899	ENSG00000146197	PCDH17	34106	-0.01	protein_coding	8	78631642	78748945	interpholigand matrix protein proteoglycan 1
36899	ENSG00000146197	ACY1	34120	-0.01	protein_coding	3	5200906	5202313	aminocyclase 1
36899	ENSG00000146197	ZNF676	34124	-0.01	protein_coding	19	22361893	22379753	zinc finger protein 676
36899	ENSG00000146197	PCDH10	34125	-0.01	protein_coding	18	10784969	108078483	cocktail WAP interacting pathway inhibitor 2
36899	ENSG00000146197	WFKKH1	34129	-0.01	protein_coding	6	679239	684116	WAP, follistatin/kazal, immunoglobulin, kunitz and retin domain containing 1
36899	ENSG00000146197	ANKRD6	34132	-0.01	protein_coding	6	90142889	90343553	ankyrin repeat domain 6
36899	ENSG00000146197	PCDH19	34133	-0.01	protein_coding	18	10784969	108078483	tissue ankyrin-associated receptor 5
36899	ENSG00000146197	PLEKH2	34151	-0.01	protein_coding	2	4396412	43995126	pleckstrin homology domain containing, family H (with MYTH1 domain) member 2
36899	ENSG00000146197	ZDHHC1	34151	-0.01	protein_coding	16	67428322	67440736	zinc finger, DHHC-type containing 1
36899	ENSG00000146197	PCDH8A	34163	-0.01	protein_coding	16	6238518	6239138	CD calcium dependent domain containing 8A
36899	ENSG00000146197	HS1ST3	34163	-0.01	protein_coding	13	9674305	97495617	heparan sulfate 3-O-sulfotransferase 3
36899	ENSG00000146197	GDF3	34164	-0.01	protein_coding	12	7843278	7848372	growth differentiation factor 3
36899	ENSG00000146197	ANKRD18	34171	-0.01	protein_coding	12	9972825	100078420	ankyrin repeat and sterile alpha motif domain containing 18
36899	ENSG00000146197	NRXN3	34175	-0.01	protein_coding	14	7878734	8030762	neurxin 3
36899	ENSG00000146197	RALG10A	34180	-0.01	protein_coding	22	2973822	29715688	RAS-like, family 10, member A
36899	ENSG00000146197	FAT3	34196	-0.01	protein_coding	11	5652626	56529616	FAT ligand, cadherin 3
36899	ENSG00000146197	NCX4	34197	-0.01	protein_coding	16	51431954	51434918	15-cis-retene protein 4
36899	ENSG00000146197	OLFM4	34201	-0.01	protein_coding	1	10228810	10228810	olfactomedin 3
36899	ENSG00000146197	PCO2	34201	-0.01	protein_coding	1	15137500	15143144	pojo transposable element with ZNF domain
36899	ENSG00000146197	LRFM1	34201	-0.01	protein_coding	11	824861	824861	LIM domain only (member 1)
36899	ENSG00000146197	ALX4	34210	-0.01	protein_coding	11	4428194	4431716	ALX homeobox 4
36899	ENSG00000146197	SLC33A1	34213	-0.01	protein_coding	8	7057626	70747299	solute carrier organic anion transporter family, member SAI1
36899	ENSG00000146197	PCDH11	34214	-0.01	protein_coding	12	66710007	66721437	PAM3 poly(A) specific ribonuclease subunit homolog (D. rerio)
36899	ENSG00000146197	ZNF471	34241	-0.01	protein_coding	19	10701812	10741900	zinc finger protein 471
36899	ENSG00000146197	ANKR2	34247	-0.01	protein_coding	2	2941560	3014432	ankyrin repeat domain containing 2
36899	ENSG00000146197	ENTPD2	34249	-0.01	protein_coding	2	13964250	13964250	ectonucleoside triphosphate diphosphohydrolase 2
36899	ENSG00000146197	MD2B	34249	-0.01	protein_coding	19	18685718	18739973	mediator complex subunit 26
36899	ENSG00000146197	ZNF331	34250	-0.01	protein_coding	19	5402425	54083523	zinc finger protein 331
36899	ENSG00000146197	PCDH19	34251	-0.01	protein_coding	18	45126652	45126652	carcinoembryonic antigen-related cell adhesion molecule 19
36899	ENSG00000146197	SERPINE3	34259	-0.01	protein_coding	13	5190909	5198381	serpin peptidase inhibitor, class E (neirin, plasminogen activator inhibitor type 1), member 3
36899	ENSG00000146197	KERA	34263	-0.01	protein_coding	12	9144268	9145760	keratin
36899	ENSG00000146197	KOCS5	34265	-0.01	protein_coding	7	10084519	10084519	potassium channel, subfamily K, member 5
36899	ENSG00000146197	ASXL1	34281	-0.01	protein_coding	20	30946155	31027122	additional sex combs like 1 (Drosophila)
36899	ENSG00000146197	SLC33A1	34285	-0.01	protein_coding	3	15553813	15557218	solute carrier family 33 (anion/Ca ²⁺ transporter), member 1
36899	ENSG00000146197	PCDH16	34291	-0.01	protein_coding	16	11370741	11370741	chondrinase II (N-acetylglucosaminyl 6-C)-sulfotransferase 6
36899	ENSG00000146197	OPN3	34272	-0.01	protein_coding	1	24175340	24184078	opsin 3
36899	ENSG00000146197	NLUR2	34272	-0.01	protein_coding	20	44517264	44519026	neutralized E3 ubiquitin protein ligase 2
36899	ENSG00000146197	PCDH15	34276	-0.01	protein_coding	12	13307101	13307101	zinc finger protein 15
36899	ENSG00000146197	RCVRN	34275	-0.01	protein_coding	17	979637	9808938	recoffin
36899	ENSG00000146197	PRMT10	34292	-0.01	protein_coding	4	14858936	14860531	protein arginine methyltransferase 10 (putative)
36899	ENSG00000146197	PCDH17	34292	-0.01	protein_coding	18	293119	293119	zinc finger protein 77
36899	ENSG00000146197	CALB1	34308	-0.01	protein_coding	8	9107036	9107036	calbindin 1, 28kDa
36899	ENSG00000146197	WFKKH2	34318	-0.01	protein_coding	17	48912011	48917059	WAP, follistatin/kazal, immunoglobulin, kunitz and retin domain containing 2
36899	ENSG00000146197	COX8B	34319	-0.01	protein_coding	2	2280220	2280220	cytochrome, type IV, alpha 3 (oxidation state antigen)
36899	ENSG00000146197	MT3	34334	-0.01	protein_coding	16	5982586	5982586	metallothionein 3
36899	ENSG00000146197	TMEM88B	34337	-0.01	protein_coding	1	1381568	1381687	transmembrane protein 88B
36899	ENSG00000146197	PCDH10	34338	-0.01	protein_coding	18	10784969	108078483	interpholigand matrix protein proteoglycan 1
36899	ENSG00000146197	PLA1	34342	-0.01	protein_coding	8	9703463	9712383	phospholipase, alpha domain 1
36899	ENSG00000146197	RAB38	34343	-0.01	protein_coding	22	23487513	23488537	RAB38, member RAS oncogene family
36899	ENSG00000146197	PCDH12	34343	-0.01	protein_coding	16	5804139	5804139	S10 domain-binding protein family, member 2
36899	ENSG00000146197	RGS17	34349	-0.01	protein_coding	6	15332594	15342394	regulator of G-protein signaling 17
36899	ENSG00000146197	PIPO	34363	-0.01	protein_coding	1	111888910	11189535	primary cilia formation
36899	ENSG00000146197	PCDH13	34376	-0.01	protein_coding	12	3331564	3331564	F-box and nuclear-rib repeat protein 2
36899	ENSG00000146197	HAPLN1	34368	-0.01	protein_coding	5	82933624	83017432	hyaluronan and proteoglycan link protein 1
36899	ENSG00000146197	HS1ST1	34369	-0.01	protein_coding	4	11394774	11431389	heparan sulfate (glucosamine) 3-O-sulfotransferase 1
36899	ENSG00000146197	MAP3K15	34378	-0.01	protein_coding	3	4597492	45978978	rasboson, proto-oncogene tyrosine kinase
36899	ENSG00000146197	TMEM45	34378	-0.01	protein_coding	19	4281721	42822114	transmembrane protein 145
36899	ENSG00000146197	HEC2	34379	-0.01	protein_coding	1	11873174	11953379	histogen-activated protein kinase kinase 15
36899	ENSG00000146197	COX20B	34378	-0.01	protein_coding	16	4472478	4484730	hes family bHLH transcription factor 2
36899	ENSG00000146197	FGF10	34406	-0.01	protein_coding	5	7745846	7745846	fibroblast growth factor 10
36899	ENSG00000146197	DRCO2	34407	-0.01	protein_coding	2	9964887	9970305	DEAF1 (Usp-Glu-Asp-Asp) box polyprotein 57
36899	ENSG00000146197	DHP10	34418	-0.01	protein_coding	12	11518897	11560329	dicarboxylate 10 (non-functional)
36899	ENSG00000146197	CCR10	34424	-0.01	protein_coding	17	4083907	4083907	chemokine (C-C motif) receptor 10
36899	ENSG00000146197	CLCN2	34428	-0.01	protein_coding	3	184003973	184004739	chloride channel, voltage-sensitive 2
36899	ENSG00000146197	KANAO2	34429	-0.01	protein_coding	7	7850284	78445284	KANAO2
36899	ENSG00000146197	PCDH8A	34431	-0.01	protein_coding	16	6238518	6239138	protocadherin alpha 8
36899	ENSG00000146197	ANKK3	34462	-0.01	protein_coding	7	4746513	4748379	ankyrin repeat and sterile alpha motif domain containing 3
36899	ENSG00000146197	PTEN	34461</						

36726	ENSG0000025850	OVOL2	34827.5	-0.01	protein_coding	20	17937623	18039832	ovole zinc finger 2
36728	ENSG0000025298	CACTY1T	34837.7	-0.01	protein_coding	5	71016170	71016170	CACTY1 pseudogene
36740	ENSG00000189017	ZNF566	34852.1	-0.01	protein_coding	19	36930021	36930004	zinc finger protein 566
36787	ENSG00000241563	CORT	34907.6	-0.01	protein_coding	1	10509776	10511659	constitatin
36788	ENSG00000171794	LUCIF	34917.0	-0.01	protein_coding	10	13504378	13504560	undifferentiated embryonic cell transcription factor 1
36793	ENSG00000252991	WDR59	34970.7	-0.01	protein_coding	18	74907465	74907471	WDR repeat domain 59
36795	ENSG0000048545	GUCYA1A	34912	-0.01	protein_coding	6	42123144	42147794	guanylate cyclase activator 1A (retina)
36801	ENSG00000170584	SETMAR	34916.5	-0.01	protein_coding	3	4345885	4350261	SET domain and mariner transposase fusion gene
36802	ENSG00000242498	CANXB	34929.9	-0.01	protein_coding	19	84488244	84488244	calcium channel, voltage-dependent, gamma subunit 8
36822	ENSG00000247078	ANKRD7	34940.6	-0.01	protein_coding	17	93468245	93470154	Anchored protein
36826	ENSG00000170598	BN2C	34943	-0.01	protein_coding	4	16409921	16670841	Drosophila 2
36832	ENSG00000170603	UNK	34943.3	-0.01	protein_coding	17	73789863	73821886	unknown family zinc finger
36838	ENSG00000196013	ANKRD7	34954.4	-0.01	protein_coding	17	117884277	117884277	ankyrin repeat domain 7
36846	ENSG00000250486	FAM219A	34961.2	-0.01	protein_coding	4	165878100	165880273	family with sequence similarity 218, member A
36847	ENSG00000195268	BEK1D7	34961.2	-0.01	protein_coding	10	13408464	13570074	BEK domain containing 7
36864	ENSG00000186051	TAL2	34979.6	-0.01	protein_coding	8	10824738	108245367	T cell acute lymphocytic leukemia 2
36866	ENSG00000125895	TMEM78B	34982.7	-0.01	protein_coding	20	1161205	1160909	transmembrane protein 78B
36873	ENSG00000140564	TOM7	34989.2	-0.01	protein_coding	5	18062964	180629203	lysosomal membrane protein 7
36878	ENSG00000186878	SCN8A	34990	-0.01	protein_coding	12	51984050	52206648	sodium channel, voltage gated, type VIII, alpha subunit
36881	ENSG00000163914	RHO	35002	-0.01	protein_coding	3	126247483	126250112	rhodopsin
36887	ENSG00000252655	TMS6B	35011.3	-0.01	protein_coding	12	10221021	10244402	transmembrane protein 52B
36889	ENSG0000005156	LIG3	35013.9	-0.01	protein_coding	17	33307513	33320203	ligase III, DNA, ATP-dependent
36906	ENSG00000184428	TOPMT	35031.8	-0.01	protein_coding	8	14438954	14442149	topoisomerase (DNA), mitochondrial
36908	ENSG00000193437	ZNF569	35034.7	-0.01	protein_coding	19	37062057	37060177	zinc finger protein 569
36909	ENSG00000170381	SEMA5E	35035.9	-0.01	protein_coding	7	82983222	83078326	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 5E
36921	ENSG00000173873	HES3	35050	-0.01	protein_coding	6	6356252	6359538	hes family bHLH transcription factor 3
36924	ENSG00000118720	FAM188A	35052.1	-0.01	protein_coding	6	11507029	11507052	family with sequence similarity 188, member A
36936	ENSG00000170883	TRH	35063.5	-0.01	protein_coding	3	12986148	12986148	thyrotropin-releasing hormone
36942	ENSG00000192243	VDLL3	35069.8	-0.01	protein_coding	X	135914311	135938986	vesiglike 1 (Drosophila)
36945	ENSG0000015412	PRK38	35076.8	-0.01	protein_coding	23	23338102	23338102	protein kinase, cing, 38
36953	ENSG00000155574	NDOL1	35081.1	-0.01	protein_coding	10	7215071	7207707	nodal growth differentiation factor
36953	ENSG00000138769	CPK2L	35086.6	-0.01	protein_coding	4	78503215	78555900	cyclin-dependent kinase-like 2 (CDC-related kinase)
36954	ENSG00000132028	PCOLCE3	35091.3	-0.01	protein_coding	15	14048268	14048268	procollagenase 3
36959	ENSG00000154240	CEP112	35117.9	-0.01	protein_coding	17	63631656	64188202	centrosomal protein 112kDa
37007	ENSG00000114805	PLCH1	35130.5	-0.01	protein_coding	3	15509369	15548286	phospholipase C, eta 1
37022	ENSG00000102528	HOKD3	35132.1	-0.01	protein_coding	8	43071373	43072024	homeobox D3
37048	ENSG00000183900	LYSM4	35172.6	-0.01	protein_coding	5	10025902	100273766	LysM putative peptidoglycan-binding domain containing 4
37073	ENSG00000186789	FLVCR1	35185.5	-0.01	protein_coding	1	21301587	213027705	feline leukine subunit 5 subgroups C, cellular receptor 1
37078	ENSG00000192723	FTFY2	35187.6	-0.01	protein_coding	14	22616428	226129189	cytochrome P450 monooxygenase
37082	ENSG00000134443	GRP	35202.8	-0.01	protein_coding	18	56887400	56889006	glucocorticoid-releasing peptide
37088	ENSG00000243137	PGSD	35207.2	-0.01	protein_coding	19	43698854	43711451	pregnancy specific beta 1-glycoprotein 4
37092	ENSG00000186953	HOKD3	35212.1	-0.01	protein_coding	15	17700360	17700360	homeobox D3
37095	ENSG00000184008	C1orf50	35214.1	-0.01	protein_coding	1	43232940	43203988	chromosome 1 open reading frame 50
37101	ENSG00000158321	AUTS2	35225.2	-0.01	protein_coding	7	69063905	70238054	autism susceptibility candidate 2
37124	ENSG00000149786	FTFY2	35226.6	-0.01	protein_coding	1	22616428	226129189	cytochrome P450 monooxygenase
37125	ENSG00000149883	FTFY2	35227	-0.01	protein_coding	5	71618184	716066252	pentadactyl repeat domain 2
37128	ENSG00000172318	B3GALT1	35248.8	-0.01	protein_coding	2	16875142	16873305	UDP-Gal:beta-GlcNAc beta-1,3-galactosyltransferase, polypeptide 1
37148	ENSG00000171551	ECEL1	35254.6	-0.01	protein_coding	2	23344507	23335258	endothelin converting enzyme-like 1
37143	ENSG0000017426	PTCH2	35257.4	-0.01	protein_coding	12	45309150	45309152	patched 2
37146	ENSG00000112877	CEP270	35259.8	-0.01	protein_coding	5	612387	612783	centrosomal protein 270kDa
37151	ENSG00000186587	KCNT2	35261.9	-0.01	protein_coding	9	19018409	19015335	potassium channel, subfamily T, member 2
37151	ENSG00000171781	ZNF456	35262.9	-0.01	protein_coding	5	178484907	178481190	zinc finger protein 346
37181	ENSG00000136631	VRS4	35299.4	-0.01	protein_coding	1	15003969	150117005	reticular protein sorting 45 homolog (S. cerevisiae)
37186	ENSG00000300300	CELSR3	35302.6	-0.01	protein_coding	3	48073922	48700348	cadherin, EGF-LAG seven-pass G-type receptor 3
37186	ENSG00000181713	C11orf82	35312.8	-0.01	protein_coding	13	29489112	29489112	chromosome 11 open reading frame 82
37197	ENSG00000153487	ING1	35318.5	-0.01	protein_coding	13	111358053	111373421	inhibitor of growth factor, member 1
37197	ENSG00000192471	SPRN1	35321.9	-0.01	protein_coding	X	57062803	57021970	sporadic family, member 3
37200	ENSG00000133818	KRSB1	35325.6	-0.01	protein_coding	12	148418122	148418122	KRAS-associated protein 1
37230	ENSG00000147869	CER1	35350	-0.01	protein_coding	8	14719722	14722715	ceramide 1, DAN family BMP antagonist
37254	ENSG00000198477	CEP41	35378.7	-0.01	protein_coding	7	130033812	130082274	centrosomal protein 41kDa
37265	ENSG00000132926	HOKD3	35382.1	-0.01	protein_coding	12	15661282	15662624	homeobox D3
37270	ENSG00000186843	COG7	35384.6	-0.01	protein_coding	16	23398814	23464501	component of oligomeric golgi complex 7
37282	ENSG00000243156	MICAL3	35405.4	-0.01	protein_coding	22	18271415	18681225	microtubule associated monooxygenase, calponin and LIM domain containing 3
37286	ENSG00000153944	CEP41	35405.4	-0.01	protein_coding	22	18271415	18681225	microtubule associated monooxygenase, calponin and LIM domain containing 3
37295	ENSG00000186404	GPR85	35410	-0.01	protein_coding	7	11271836	11272833	G protein-coupled receptor 85
37296	ENSG00000172878	MELTPAD	35413.6	-0.01	protein_coding	2	17298480	17297158	methylaluminate phosphatase type 10 (methylomonal)
37303	ENSG00000186263	KOZF1	35413.6	-0.01	protein_coding	6	2717922	2717922	potassium channel, subfamily V, member 2
37317	ENSG00000148267	FACX	35436.8	-0.01	protein_coding	6	99718045	99797938	failed axon connections homolog (Drosophila)
37321	ENSG00000186266	HYKK1	35439.4	-0.01	protein_coding	15	78799905	78829748	hydroxylysine kinase
37328	ENSG00000186263	MARPK1	35439.8	-0.01	protein_coding	3	18500788	18500788	mitogen-activated protein kinase kinase kinase 13
37345	ENSG00000100882	NFX1	35455.1	-0.01	protein_coding	9	33205059	33317155	nuclear transcription factor, X-box binding 1
37351	ENSG00000174988	KISS1	35469.9	-0.01	protein_coding	1	20419469	20418564	KISS-1 metastasis suppressor
37353	ENSG0000018602	MAK18P1	35471	-0.01	protein_coding	12	420612	4210623	mitogen-activated protein kinase binding protein 1
37360	ENSG00000171873	ADRA1D	35474.4	-0.01	protein_coding	20	420129	4229721	adrenomedullin alpha 1D
37366	ENSG00000184819	KRAB2	35479.3	-0.01	protein_coding	17	8271855	8280029	KRAB domain containing 2
37370	ENSG00000151871	SRFBP1	35480.2	-0.01	protein_coding	17	688812	688812	splephingomyosin receptor domain and SOCS box containing 2
37381	ENSG00000198885	FICD	35493.7	-0.01	protein_coding	12	10899862	10891814	FIC domain containing 1
37384	ENSG00000187033	ZC2HC1C	35497.4	-0.01	protein_coding	14	75580873	7545128	zinc finger, C2H2-type containing 1C
37422	ENSG00000192623	ZTBP4	35498.6	-0.01	protein_coding	17	5304586	5304586	zinc finger protein 827
37445	ENSG00000250532	ANKRD7	35563	-0.01	protein_coding	3	11007231	11012323	Anchored protein
37456	ENSG00000224420	ADMS	35560.5	-0.01	protein_coding	9	50191921	50193832	adrenomedullin 5 (putative)
37462	ENSG00000195931	HMER1	35567	-0.01	protein_coding	11	528487	528487	hemerythrin, alpha 1
37464	ENSG00000082175	PCR	35569.6	-0.01	protein_coding	11	100900355	101001255	progestin receptor
37516	ENSG00000187774	NDUF47	35641.7	-0.01	protein_coding	8	8377167	8382623	NDUF47 protein
37528	ENSG00000195953	SAND1B	35675.5	-0.01	protein_coding	14	77643022	77657840	sterile alpha motif domain containing 15
37567	ENSG00000170112	ZNF82	35691.8	-0.01	protein_coding	4	14669179	14669179	zinc finger protein 82
37569	ENSG00000150773	PH1D2	35703.5	-0.01	protein_coding	11	11194734	11184498	PH1 domain containing 2
37592	ENSG00000186705	NKX2-1	35728.4	-0.01	protein_coding	4	13452454	13456074	NK2 homeobox 2
37604	ENSG00000190428	C1orf13	35744	-0.01	protein_coding	16	81882653	81882653	zinc finger protein 821
37622	ENSG00000186326	RGS9BP	35759.2	-0.01	protein_coding	19	83186613	83186620	regulator of G protein signaling 9 binding protein
37642	ENSG00000125989	LMPMT	35780.5	-0.01	protein_coding	20	9495509	9511171	lysosomal-associated membrane protein, member 5
37643	ENSG00000248491	C1orf13	35780.5	-0.01	protein_coding	16	81882653	81882653	zinc finger protein 821
37643	ENSG00000186491	CCDC110	35815.5	-0.01	protein_coding	4	18638319	18638319	coiled-coil domain containing 110
37672	ENSG00000186243	IRAK1BP1	35817.5	-0.01	protein_coding	6	78571789	7858157	interleukin 1 receptor-associated kinase 1 binding protein 1
37673	ENSG00000181890	C11orf11	35818.3	-0.01	protein_coding	16	810142	810142	chromosome 11 open reading frame 11

28192	ENS00000222973		29688.8	-0.01	snRNA	9	2162763	2162963	RNA, U2 small nuclear 25, pseudogene
31088	ENS00000219984		30170.8	-0.01	snRNA	18	9511117	9511238	RNA, U2 small nuclear 27, pseudogene
33109	ENS00000221107		31266.4	-0.01	snRNA	10	62672523	62672685	RNA, U2 small nuclear 72, pseudogene
33411	ENS00000222812		31550.7	-0.01	snRNA	20	39652845	39653034	RNA, U2 small nuclear 52, pseudogene
33484	ENS00000220589		31638.6	-0.01	snRNA	12	19817399	19817533	RNA, U1 small nuclear 146, pseudogene
33606	ENS00000222744		31765.8	-0.01	snRNA	2	8831567.5	88316069	RNA, U2 small nuclear 63, pseudogene
33931	ENS00000222501		32087.6	-0.01	snRNA	8	12902258	12902527	RNA, U4 small nuclear 25, pseudogene
34125	ENS00000222627		32265.6	-0.01	snRNA	3	127794916	127794952	RNA, U2 small nuclear 37, pseudogene
34251	ENS00000220954		32322.4	-0.01	snRNA	17	48180840	48180848	RNA, U5 small nuclear 1201, pseudogene
34283	ENS00000251712		32425.8	-0.01	snRNA	7	148518104	148518165	RNA, U7 small nuclear 20 pseudogene
34738	ENS00000220562		32444	-0.01	snRNA	4	114341478	114341482	RNA, U1 small nuclear 138, pseudogene
34874	ENS00000252425		33011.4	-0.01	snRNA	3	13910118	13910206	RNA, U5 small nuclear 736, pseudogene
34976	ENS00000223156		33104.5	-0.01	snRNA	10	18518002	18518163	RNA, U2 small nuclear 18, pseudogene
35056	ENS00000199836		33189.7	-0.01	snRNA	14	100411852	100411814	RNA, U1 small nuclear 47, pseudogene
35141	ENS00000202912	RNU1-26P	33292.3	-0.01	snRNA	3	9852922	9852928	RNA, U5 small nuclear 26, pseudogene
35197	ENS00000202804		33333.1	-0.01	snRNA	2	43635446	43635551	RNA, U5 small nuclear 958, pseudogene
35211	ENS00000201458		33347.6	-0.01	snRNA	3	172514219	172514348	RNA, U5 small nuclear 4, pseudogene
35384	ENS00000202708		33500.8	-0.01	snRNA	14	5219021	52190927	RNA, U5 small nuclear 301, pseudogene
35411	ENS000002021038		33515.5	-0.01	snRNA	17	29890787	29890813	RNA, U6atac small nuclear 7, pseudogene
35560	ENS00000199405		33665.6	-0.01	snRNA	20	62540308	62540472	RNA, U1 small nuclear 134, pseudogene
35640	ENS00000202020		33750.1	-0.01	snRNA	X	7020125	70202298	RNA, U1 small nuclear 56, pseudogene
35659	ENS00000201372		33770.1	-0.01	snRNA	20	42101653	42101759	RNA, U5 small nuclear 1251, pseudogene
35691	ENS00000201676	RNUKATAC	33770.4	-0.01	snRNA	9	137029561	137029688	RNA, U6atac small nuclear (U12-dependent splicing)
35740	ENS00000201264	RNU1-15P	33853.9	-0.01	snRNA	10	21610980	21610986	RNA, U5 small nuclear 15, pseudogene
35777	ENS000002026652	RNU1-4	33897	-0.01	snRNA	1	16840817	16840780	RNA, U1 small nuclear 1
35837	ENS00000202737	RNU1-4	33954.8	-0.01	snRNA	1	14922458	149224221	RNA, variant U1 small nuclear 18
35942	ENS00000202689	RNU1-4BP	34081.5	-0.01	snRNA	1	27851710	27851616	RNA, U5 small nuclear 48, pseudogene
35962	ENS000002026676		34087.7	-0.01	snRNA	4	36296225	36296331	RNA, U5 small nuclear 32, pseudogene
36121	ENS00000202200		34247.7	-0.01	snRNA	1	203288124	203289227	RNA, U5 small nuclear 487, pseudogene
36138	ENS00000201168		34401.1	-0.01	snRNA	16	68686418	68686461	RNA, U1 small nuclear 1926, pseudogene
36374	ENS000002025101		34484.9	-0.01	snRNA	16	75320810	75320886	RNA, U5 small nuclear 758, pseudogene
36391	ENS000002012170		34500.7	-0.01	snRNA	15	82446565	82446728	RNA, U1 small nuclear 77, pseudogene
36528	ENS000002016564		34623.3	-0.01	snRNA	8	79536709	79536813	RNA, U5 small nuclear 1266, pseudogene
36589	ENS000002012541		34683.9	-0.01	snRNA	1	38457134	38457241	RNA, U5 small nuclear 510, pseudogene
36970	ENS000002027334		35059.9	-0.01	snRNA	8	119988752	119988858	RNA, U5 small nuclear 12, pseudogene
37128	ENS000002027571		35047	-0.01	snRNA	15	7203648	72036415	RNA, U5 small nuclear 803, pseudogene
37336	ENS000002025306		35456	-0.01	snRNA	1	11212407	11212509	RNA, U5 small nuclear 537, pseudogene
37431	ENS0000020199133		35447.2	-0.01	snRNA	9	127849889	127849828	RNA, U4 small nuclear 82, pseudogene
37478	ENS00000202078		35523.3	-0.01	snRNA	15	96280533	96280623	RNA, U2 small nuclear 3, pseudogene
37522	ENS000002036772		35652	-0.01	snRNA	11	112223739	112223735	RNA, U2 small nuclear 44, pseudogene
37846	ENS000002029875		35789.2	-0.01	snRNA	8	57829843	57829749	RNA, U5 small nuclear 13, pseudogene
38250	ENS00000201168		36400	-0.01	snRNA	11	12343659	12343659	RNA, U5 small nuclear 11, pseudogene
38329	ENS000002038554		36493.1	-0.01	snRNA	6	36867322	36867404	RNA, U1 small nuclear 88, pseudogene
26224	ENS000002028283	KAT5NLBP6	24889.2	-0.01	transcribed_unprocessed_pseudo_gene	6	147123495	147124960	kat5nlb p80 subunit B-like 1 pseudogene 6
32899	ENS000002020219	FAM52A1P2	31182.6	-0.01	transcribed_unprocessed_pseudo_gene	4	183958819	183961272	family with sequence similarity 92, member A1 pseudogene 2
32951	ENS00000180784	PIPSL	31189.9	-0.01	transcribed_unprocessed_pseudo_gene	10	95717948	95721297	PIPSK1A and PIPSK2A-like, pseudogene
33846	ENS000002049055	PCNAP1	32003.3	-0.01	transcribed_unprocessed_pseudo_gene	4	100081671	100082602	proliferating cell nuclear antigen pseudogene 1
36493	ENS000002025195	ABCA11P	34592.7	-0.01	transcribed_unprocessed_pseudo_gene	4	419224	487918	ATP-binding cassette, sub-family A (ABC1), member 11, pseudogene
36557	ENS000002028240		34652.4	-0.01	transcribed_unprocessed_pseudo_gene	16	14294214	14294336	TVP23C pseudogene 2
36821	ENS000002028451		34840	-0.01	transcribed_unprocessed_pseudo_gene	8	28236775	28240469	SDA1 domain containing 1 pseudogene 1
37341	ENS00000181359		35480.2	-0.01	transcribed_unprocessed_pseudo_gene	4	171502621	171526901	heat shock protein 90kDa alpha (cytosolic), class A member 6, pseudogene
32034	ENS000002029988	HBBP1	30219.9	-0.01	transcribed_unprocessed_pseudo_gene	11	5268184	52684787	hemoglobin, beta pseudogene 1
32462	ENS000002043910	TUBA4B	30629.5	-0.01	transcribed_unprocessed_pseudo_gene	2	220117965	220118910	tubulin, alpha 4b (pseudogene)
33320	ENS000002015354		31457.7	-0.01	transcribed_unprocessed_pseudo_gene	8	7878951	7888188	family with sequence similarity 90, member A24, pseudogene
33496	ENS000002014553	LRR37A11P	31847.2	-0.01	transcribed_unprocessed_pseudo_gene	17	37183530	37204558	leucine rich repeat containing 37, member A11, pseudogene
35458	ENS00000189212		33577.6	-0.01	transcribed_unprocessed_pseudo_gene	7	35119601	35225934	DPY19L2 pseudogene 1
36767	ENS00000178081	ULK4P3	34879.8	-0.01	transcribed_unprocessed_pseudo_gene	15	30395923	30423960	ULK4 pseudogene 3
36862	ENS000002037575	PYY2	35018.9	-0.01	transcribed_unprocessed_pseudo_gene	17	26553589	26555091	peptide YY, 2 (pseudogene)
37144	ENS000002048121		35528.9	-0.01	transcribed_unprocessed_pseudo_gene	17	28927814	28942988	SMAD specific E3 ubiquitin protein ligase 2 pseudogene 1
37507	ENS000002019891	ZSCAN12P1	35634	-0.01	transcribed_unprocessed_pseudo_gene	6	28058932	28061442	zinc finger and SCAN domain containing 12 pseudogene 1
34888	ENS000002029704	LINC00634	33021.2	-0.01	unprocessed_pseudogene	22	42348169	42345497	long intergenic non-protein coding RNA 634
35419	ENS00000201798	DBILBP	33321.3	-0.01	unprocessed_pseudogene	17	635200	635271	database binding inhibitor-like 5, pseudogene
30355	ENS000002048290	TXNA	29652.3	-0.01	unprocessed_pseudogene	6	31976391	31980249	tenascin XA (pseudogene)
31858	ENS000002023711		30052.6	-0.01	unprocessed_pseudogene	1	808872	808729	tubulin, beta 8 class VII pseudogene 11
32203	ENS000002025423		30610.8	-0.01	unprocessed_pseudogene	11	12405368	12406314	olfactory receptor family 8, subfamily G, member 3 pseudogene
32431	ENS000002024625		30901.4	-0.01	unprocessed_pseudogene	1	242220387	242223544	tubulin, beta 8 class VIII pseudogene 6
32457	ENS000002022789		30623	-0.01	unprocessed_pseudogene	Y	2749724	2751993	heat shock transcription factor Y, linked 3, pseudogene
32471	ENS000002025972		30643	-0.01	unprocessed_pseudogene	1	56442	56481	MT-ND1 pseudogene 23
34422	ENS000002031669		31951.6	-0.01	unprocessed_pseudogene	6	29914893	29914893	HLA complex group 4 pseudogene 3
33737	ENS000002025335		31899.1	-0.01	unprocessed_pseudogene	6	31981047	31981564	serine/threonine kinase 19 pseudogene
34307	ENS000002042764		32481.3	-0.01	unprocessed_pseudogene	11	48014225	48015433	trypsin motif containing 53C, pseudogene
34862	ENS000002044016		33009.6	-0.01	unprocessed_pseudogene	2	12343659	98162719	trypsin motif containing 43B
35885	ENS000002036271		33883.1	-0.01	unprocessed_pseudogene	9	21456483	21456480	interferon, omega 1 pseudogene 19
36144	ENS00000186599	OR7E12P	34365.1	-0.01	unprocessed_pseudogene	11	3410210	3412982	olfactory receptor family 7, subfamily E, member 12 pseudogene
18696	ENS000002029671		19011	-0.01	unprocessed_pseudogene				
18713	ENS0000020275047		19024.2	-0.01	unprocessed_pseudogene				
19891	ENS000002014184		20021.1	-0.01	unprocessed_pseudogene				
20124	ENS000002024531		20116.8	-0.01	unprocessed_pseudogene				
20613	ENS000002027097		20558.1	-0.01	unprocessed_pseudogene				
20643	ENS000002019928		20557.5	-0.01	unprocessed_pseudogene				
20882	ENS00000201748		20559	-0.01	unprocessed_pseudogene				
22324	ENS000002023612		21815.7	-0.01	unprocessed_pseudogene				
22322	ENS000002012596	MRC1	21858.5	-0.01	unprocessed_pseudogene	10	18098352	18200091	mannose receptor, C type 1
22656	ENS000002020275	CCL3	22029.1	-0.01	unprocessed_pseudogene	17	34413622	34413715	chemokine (C-C motif) ligand 3
23015	ENS000002028942		22367.2	-0.01	unprocessed_pseudogene				
23548	ENS000002027579		22762.1	-0.01	unprocessed_pseudogene				
23700	ENS000002013067		22891	-0.01	unprocessed_pseudogene				
24529	ENS000002025341		23577.4	-0.01	unprocessed_pseudogene				
24532	ENS000002028374		23578.8	-0.01	unprocessed_pseudogene				
24697	ENS000002025486		23729.5	-0.01	unprocessed_pseudogene				
24876	ENS000002043829		23882.9	-0.01	unprocessed_pseudogene				
25239	ENS000002022533		24181.1	-0.01	unprocessed_pseudogene				
25388	ENS000002028241		24388.5	-0.01	unprocessed_pseudogene				
25472	ENS00000183748	10182875	24381.4	-0.01	unprocessed_pseudogene	10	17851362	17853178	cDNA FLJ36855, highly similar to Macrophage mannose receptor 1
25687	ENS000002024106		24550.9	-0.01	unprocessed_pseudogene				
25958	ENS000002013203		24765.4	-0.01	unprocessed_pseudogene				
26376	ENS000002024220		25118	-0.01	unprocessed_pseudogene				
26874	ENS000002029888		25544	-0.01	unprocessed_pseudogene				
27014	ENS000002024488		25744.2	-0.01	unprocessed_pseudogene				
27114	ENS0000020238165		25767.8	-0.01	unprocessed_pseudogene				
27767	ENS								

31772	ENSG00000287193		29963.7	-0.01					
31798	ENSG00000286868		29981.7	-0.01					
31791	ENSG00000289678		29983	-0.01					
31825	ENSG00000280302		30020.9	-0.01					
31844	ENSG00000286204		30039.6	-0.01					
31885	ENSG00000285258		30072.1	-0.01					
31921	ENSG00000287101		30110.7	-0.01					
32010	ENSG00000286422		30122.5	-0.01					
32033	ENSG00000223877		30188.3	-0.01					
32052	ENSG00000285258		30241.4	-0.01					
32085	ENSG00000282938		30254.4	-0.01					
32088	ENSG00000282643		30279	-0.01					
32199	ENSG00000286499		30346.6	-0.01					
32188	ENSG00000285544		30352.4	-0.01					
32199	ENSG00000286259		30387.7	-0.01					
32240	ENSG00000178248		30427.6	-0.01					
32247	ENSG00000221170		30432.4	-0.01					
32259	ENSG00000281409		30442.1	-0.01					
32240	ENSG00000280934		30514.2	-0.01					
32347	ENSG00000281617		30522.4	-0.01					
32355	ENSG00000284968		30527.9	-0.01					
32396	ENSG00000211794		30528.2	-0.01					
32375	ENSG00000281021		30545	-0.01					
32448	ENSG00000283628		30615.8	-0.01					
32472	ENSG00000234721		30645	-0.01					
32477	ENSG00000285515		30653.5	-0.01					
32483	ENSG00000286622		30662.3	-0.01					
32498	ENSG00000285167		30681	-0.01					
32508	ENSG00000285445		30684.5	-0.01					
32520	ENSG00000223883		30706.1	-0.01					
32525	ENSG00000237472		30709.9	-0.01					
32533	ENSG00000282379		30715.9	-0.01					
32557	ENSG00000243636		30741.2	-0.01					
32566	ENSG00000271338		30752.1	-0.01					
32570	ENSG00000233398		30755.9	-0.01					
32626	ENSG00000228669		30814.7	-0.01					
32636	ENSG00000278134		30821.4	-0.01					
32637	ENSG00000281818		30821.7	-0.01					
32662	ENSG00000284952		30838.9	-0.01					
32699	ENSG00000212989		30843.1	-0.01					
32873	ENSG00000281478		30845.9	-0.01					
32891	ENSG00000284718		30859.1	-0.01					
32704	ENSG00000230863		30877.2	-0.01					
32748	ENSG00000196978		30921	-0.01	8	124056997	124057052		RNA, Ro-associated Y4 pseudogene 5
32751	ENSG00000275716		30924.5	-0.01					
32784	ENSG00000280433		30936.1	-0.01					
32784	ENSG00000280115		30959	-0.01	17	36880556	36888173		RNA, 5S ribosomal pseudogene 440
32790	ENSG00000285243		30960.4	-0.01					
32813	ENSG00000287884		30980.2	-0.01					
32824	ENSG00000272789		30996	-0.01					
32857	ENSG00000211993		31031.2	-0.01					
32862	ENSG00000272635		31034.9	-0.01					
32866	ENSG00000237042		31036.3	-0.01					
32865	ENSG00000281716		31072.8	-0.01					
32934	ENSG00000249362		31099.6	-0.01					
32936	ENSG00000281341		31101.9	-0.01					
32937	ENSG00000283899		31102.9	-0.01					
32942	ENSG00000284890		31111.5	-0.01					
32959	ENSG00000211883		31127.2	-0.01					
32969	ENSG00000283899		31103.5	-0.01					
33031	ENSG00000282902		31196.4	-0.01					
33034	ENSG00000224173		31198.1	-0.01					
33065	ENSG00000274463		31216.2	-0.01					
33075	ENSG00000281352		31234.3	-0.01					
33078	ENSG00000284855		31235.6	-0.01					
33085	ENSG00000217875		31235.8	-0.01					
33108	ENSG00000287166		31265.3	-0.01					
33132	ENSG00000281577		31287.6	-0.01					
33142	ENSG00000213763		31281.1	-0.01					
33156	ENSG00000223715		31313.9	-0.01					
33161	ENSG00000233776		31316.8	-0.01					
33178	ENSG00000281632		31328.8	-0.01					
33180	ENSG00000229224		31329.9	-0.01					
33195	ENSG00000228979		31346.5	-0.01					
33213	ENSG00000283838		31352.1	-0.01					
33220	ENSG00000285779		31373.3	-0.01					
33232	ENSG00000224637		31382.7	-0.01					
33258	ENSG00000228913		31426.7	-0.01					
33269	ENSG00000285381		31411.5	-0.01					
33272	ENSG00000285786		31415.9	-0.01					
33278	ENSG00000215378		31419.7	-0.01					
33308	ENSG00000211575		31448.9	-0.01					
33323	ENSG00000285032		31458.2	-0.01					
33326	ENSG00000272141		31460.7	-0.01					
33377	ENSG00000242924		31515.3	-0.01					
33381	ENSG00000283933		31518.7	-0.01					
33385	ENSG00000286377		31533.6	-0.01					
33401	ENSG00000217934		31540.7	-0.01					
33410	ENSG00000246954		31549.9	-0.01					
33412	ENSG00000227173		31551.9	-0.01					
33414	ENSG00000286841		31560.1	-0.01					
33426	ENSG00000285887		31565.6	-0.01					
33431	ENSG00000232524		31569.2	-0.01					
33446	ENSG00000282800		31595.9	-0.01					
33459	ENSG00000286921		31614.5	-0.01					
33460	ENSG00000276986		31624.4	-0.01					
33472	ENSG00000286807		31626.4	-0.01					
33476	ENSG00000285878		31628.6	-0.01					
33479	ENSG00000248636		31633.2	-0.01					
33487	ENSG00000282902		31638.3	-0.01					
33522	ENSG00000286290		31671.2	-0.01					
33530	ENSG00000272623		31678.9	-0.01					
33533	ENSG00000284669		31680.7	-0.01					
33541	ENSG000002851003		31682.7	-0.01					
33546	ENSG00000283914		31697.7	-0.01					
33550	ENSG00000284927		31704.4	-0.01					
33559	ENSG00000287256		31715.4	-0.01					
33572	ENSG00000286742		31729.1	-0.01					
33588	ENSG00000284158		31744.4	-0.01					
33595	ENSG00000285220		31754.6	-0.01					
33604	ENSG00000213940		31784.1	-0.01					
33607	ENSG00000215237		31786.6	-0.01					
33612	ENSG000002823813		31773.4	-0.01					
33659	ENSG00000244617		31815.6	-0.01					
33669	ENSG00000218621		31833.8	-0.01					
33701	ENSG00000234175		31860.3	-0.01					
33703	ENSG00000172746		31861.7	-0.01					
33714	ENSG00000281545		31874.9	-0.01					
33717	ENSG00000272831		31878.2	-0.01					
33746	ENSG00000286245		31907.3	-0.01					
33768	ENSG00000281988		31927.5	-0.01					
33772	ENSG00000283910		31936.3	-0.01					
33787	ENSG00000289121		31948.8	-0.01					
33789	ENSG00000218503		31947.3	-0.01					
33794	ENSG00000249787		31951.6	-0.01					
33795	ENSG00000223968		31952.5	-0.01					
33806	ENSG00000191846	HIST1H2BG	31962.4	-0.01	6	26189748	26200942		histone cluster 1, H2bf
33817	ENSG00000286062		31969.4	-0.01					
33820	ENSG00000286295		31972.8	-0.01					
33832	ENSG00000218564		31989.6	-0.01					
33846	ENSG00000286063		32007.5	-0.01					
33851	ENSG00000286924		32008.4	-0.01					
33854	ENSG00000281635		32013.2	-0.01					
33863	ENSG00000286388		32026.7	-0.01					
33866	ENSG00000233895		32032.2	-0.01					
33867	ENSG00000286999		32033.2	-0.01					
33869	ENSG00000281027		32034	-0.01	17	41148933	41150024		Y RNA
33878	ENSG00000285846		32040.8	-0.01					
33879	ENSG00000211985		32042.3	-0.01					
33881	ENSG00000271810		32043.5	-0.01					
33883	ENSG00000249239		32045.5	-0.01					
33901	ENSG00000284840		32059.5	-0.01					
33908	ENSG00000181156	LINC00221	32071	-0.01	14	106938445	106977000		long intergenic non-protein coding RNA 221
33909	ENSG00000228986		32063.8	-0.01					
33924	ENSG00000248645		32078.8	-0.01					
33938	ENSG00000281193		32091.9	-0.01					
33939	ENSG00000285944		32094.7	-0.01					
33951	ENSG00000284652		32107.6	-0.01					
33968	ENSG00000224243	ADRA2B	32130.1	-0.01	2	96778707	96781984		adenoreceptor alpha 2B
33969	ENSG00000228447		32130.5	-0.01					

39370	ENSG00000251962		32131.9	-0.01					
39375	ENSG00000251437		32138.3	-0.01					
34011	ENSG00000235089		32171.3	-0.01					
34017	ENSG00000235185		32180.7	-0.01					
34026	ENSG00000231397		32188.6	-0.01					
34029	ENSG00000234920		32199.2	-0.01					
34036	ENSG00000224912		32198.1	-0.01					
34048	ENSG00000225811		32223	-0.01					
34060	ENSG00000226844		32234.5	-0.01					
34064	ENSG00000214433		32237.9	-0.01					
34075	ENSG00000224222		32251.6	-0.01					
34114	ENSG00000226178		32278.6	-0.01					
34141	ENSG00000226156		32313.9	-0.01					
34149	ENSG00000225990		32319.9	-0.01					
34200	ENSG00000225941		32376.2	-0.01					
34204	ENSG00000237819		32381	-0.01					
34207	ENSG000002250374		32383.2	-0.01					
34245	ENSG00000225984		32417.7	-0.01					
34257	ENSG000002236841		32427.3	-0.01					
34269	ENSG00000249436		32447.4	-0.01					
34273	ENSG00000226100	LINC020624	32459.7	-0.01	1	146989158	146898999		long intergenic non-protein coding RNA 624
34277	ENSG00000213861		32452.3	-0.01					
34294	ENSG00000272186		32484.5	-0.01					
34300	ENSG00000221453		32470.2	-0.01					
34316	ENSG00000218926		32484.1	-0.01					
34318	ENSG00000242937		32487.5	-0.01					
34334	ENSG00000225729		32510	-0.01					
34342	ENSG000002264672		32518.8	-0.01					
34356	ENSG00000226545		32541	-0.01					
34368	ENSG00000237643		32544	-0.01					
34368	ENSG00000177359		32545.4	-0.01					
34416	ENSG00000215033	LOC10096760	32599	-0.01	10	47746962	47770871		Protein LOC10096760
34438	ENSG00000221168		32619.3	-0.01					
34438	ENSG000002428973		32618.6	-0.01					
34441	ENSG00000226244		32620.1	-0.01					
34483	ENSG00000225733		32559.9	-0.01					
34488	ENSG00000270917		32664.7	-0.01					
34492	ENSG00000226944		32669	-0.01					
34523	ENSG00000224588		32704	-0.01					
34528	ENSG00000231735		32710.3	-0.01					
34568	ENSG000002229771		32749	-0.01					
34583	ENSG00000225510		32759.9	-0.01					
34589	ENSG00000271404		32813.1	-0.01					
34662	ENSG00000226376		32832.5	-0.01					
34692	ENSG00000227869		32853.6	-0.01					
34696	ENSG00000225974		32861.4	-0.01					
34700	ENSG00000234215		32863.8	-0.01					
34703	ENSG00000226636		32866.2	-0.01					
34704	ENSG00000198332	HISTH3A	32868.2	-0.01	6	26045639	26046097		histone cluster 1, H3c
34711	ENSG00000213839		32874.4	-0.01					
34725	ENSG00000212362		32896	-0.01					
34741	ENSG0000021896		32897.6	-0.01					
34763	ENSG00000273193		32915.5	-0.01					
34788	ENSG00000270916		32936	-0.01					
34788	ENSG00000198368	HISTH4I	32938.6	-0.01	6	27840926	27841289		histone cluster 1, H4I
34792	ENSG00000107818	RBP3	32937.8	-0.01	10	48381487	48380591		retinol binding protein 3, intracellular
34823	ENSG00000107623	GDF-10	32980.6	-0.01	10	48425815	48438976		growth differentiation factor 10
34824	ENSG00000223496		32981.1	-0.01					
34830	ENSG00000224579		32988.1	-0.01					
34834	ENSG00000226426		32977	-0.01	12	110798255	110798551		RNA, 7SL, cytoplasmic 769, pseudogene
34837	ENSG00000225121		32980	-0.01					
34919	ENSG00000227437		33052.3	-0.01					
34938	ENSG00000211209		33070.2	-0.01					
34945	ENSG00000224251		33077.3	-0.01					
34946	ENSG00000225594		33077.5	-0.01	14	70037483	70038032		coiled-coil domain containing 177
34952	ENSG000002051305		33053.6	-0.01					
34953	ENSG00000214765		33059.1	-0.01					
34960	ENSG000002258903		33060.6	-0.01					
34971	ENSG000002267024		33098.9	-0.01					
34977	ENSG00000223825		33104.9	-0.01					
34978	ENSG00000226887		33105.4	-0.01					
34980	ENSG00000271811		33108.1	-0.01					
34984	ENSG00000226409		33109.5	-0.01					
34997	ENSG00000227605		33135.1	-0.01					
35006	ENSG000002237251		33148.8	-0.01					
35015	ENSG00000222688		33154.1	-0.01					
35017	ENSG00000225906		33156.3	-0.01					
35025	ENSG00000226815		33165.7	-0.01					
35029	ENSG00000221848		33187.9	-0.01					
35031	ENSG000002268432		33170.2	-0.01	5	157160003	157161727		Uncharacterized protein
35040	ENSG00000272091		33181.1	-0.01					
35045	ENSG00000223977		33187.3	-0.01					
35046	ENSG00000213174		33188.5	-0.01					
35054	ENSG000002249356		33196.7	-0.01					
35055	ENSG00000221266		33197.4	-0.01					
35062	ENSG00000214128		33202.1	-0.01					
35074	ENSG000002232023		33216.7	-0.01					
35075	ENSG00000226444		33218.5	-0.01					
35086	ENSG00000198226	HISTH2BB	33224.4	-0.01	6	26043455	26043885		histone cluster 1, H2bb
35090	ENSG00000226422		33228.7	-0.01					
35094	ENSG00000272498		33232.2	-0.01					
35097	ENSG00000226338		33236	-0.01					
35110	ENSG000002261469		33248.6	-0.01					
35116	ENSG00000226951		33257.8	-0.01					
35119	ENSG00000226286		33258.6	-0.01					
35121	ENSG00000226254		33259.4	-0.01					
35162	ENSG00000213237		33303.4	-0.01					
35168	ENSG00000221351		33309.4	-0.01					
35182	ENSG00000241149		33322.8	-0.01					
35196	ENSG00000226399		33333.7	-0.01					
35206	ENSG00000272268		33340.2	-0.01	2	6111712	6114374		HCG1990367; Putative uncharacterized protein DKFZp781K2332; Putative uncharacterized protein FLJ30594; Uncharacterized protein; cDNA FLJ30594 fs, clone BRAWH2008903
35214	ENSG00000212042		33350.3	-0.01					
35227	ENSG00000224560		33361.7	-0.01					
35242	ENSG000002259209		33373.7	-0.01					
35250	ENSG00000212948		33385.1	-0.01					
35262	ENSG00000226168		33391.2	-0.01					
35277	ENSG00000223483		33401.1	-0.01					
35292	ENSG00000226255		33414.2	-0.01					
35298	ENSG00000225725		33418.8	-0.01					
35302	ENSG00000225196		33420.6	-0.01					
35308	ENSG00000224472		33428.6	-0.01					
35320	ENSG00000213432		33439.9	-0.01					
35350	ENSG00000242685		33465.4	-0.01					
35382	ENSG00000226919		33490.9	-0.01					
35383	ENSG00000212553		33492.2	-0.01					
35385	ENSG00000225926		33492.9	-0.01					
35400	ENSG00000226952		33502	-0.01					
35403	ENSG00000227083		33504.8	-0.01					
35410	ENSG00000271417		33515.3	-0.01					
35419	ENSG00000225706		33525.9	-0.01					
35421	ENSG00000226685		33530.3	-0.01					
35423	ENSG00000273199		33533	-0.01					
35426	ENSG00000225942		33537.4	-0.01					
35427	ENSG00000226160		33537.6	-0.01					
35442	ENSG00000219159		33554	-0.01					
35448	ENSG00000223269		33559.8	-0.01					
35452	ENSG00000271384		33561.5	-0.01					
35465	ENSG00000225918		33562.1	-0.01					
35474	ENSG000002266295		33568.4	-0.01					
35485	ENSG00000212598		33609.9	-0.01					
35511	ENSG00000221474		33627.5	-0.01					
35517	ENSG000002231931		33631	-0.01					
35530	ENSG00000272482		33639.6	-0.01					
35532	ENSG00000271387		33639.7	-0.01					
35570	ENSG000002240731		33677.3	-0.01					
35582	ENSG00000225252		33680.9	-0.01					
35586	ENSG000002264046		33693.6	-0.01	12	57907700	57908023		RNA, 7SL, cytoplasmic 312, pseudogene
35599	ENSG00000226477		33703.4	-0.01					
35603	ENSG00000225921		33705.5	-0.01					
35605	ENSG00000226987		33709.5	-0.01					
35639	ENSG00000226916		33748.4	-0.01					
35673	ENSG00000226347		33786.2	-0.01					
35674	ENSG00000226526		33789.6	-0.01					
35677	ENSG00000225258		33792.6	-0.01					
35683	ENSG00000226793		33802.6	-0.01					
35684	ENSG00000224779		33802.6	-0.01					
35714	ENSG00000226007		33826.2	-0.01					
35724	ENSG00000225500	SENP3-EIF4A1	33834.7	-0.01	17	7486604	7482033		SENP3-EIF4A1 readthrough (RMD candidate)
35726	ENSG00000227268		33836.3	-0.01					

37272	ENS00000249042		35396.7	-0.01					
37302	ENS00000275421		36422.7	-0.01					
37333	ENS00000214184		35453.5	-0.01					
37334	ENS00000235423		35453.3	-0.01					
37337	ENS00000202971	MIR4727	35467.7	-0.01	17	36962091	36962145		miR4727
37349	ENS00000202971		35467.7	-0.01					
37356	ENS00000289558		35471.8	-0.01	7	65112081	65112080		Protein LOC10096407
37362	ENS000002081308		35474.9	-0.01					
37377	ENS00000203383		35489.2	-0.01					
37393	ENS00000268750		35504.5	-0.01					
37442	ENS00000208179		35561.6	-0.01					
37461	ENS000002081928		35583.6	-0.01					
37487	ENS000002081317		35613	-0.01					
37496	ENS00000229820		35621.4	-0.01	13	11108652	11108653		Small nuclear RNA U13
37498	ENS000002025237		35628	-0.01					
37555	ENS000002025520		35697.7	-0.01					
37568	ENS00000272622		35711.9	-0.01					
37605	ENS000002029222		35767	-0.01					
37607	ENS00000270059		35745.9	-0.01					
37616	ENS00000272438		35752.6	-0.01					
37666	ENS0000020271221		3583.9	-0.01					
37699	ENS000002028099		35848.5	-0.01					
37708	ENS000002081005		35855	-0.01					
37745	ENS000002021927		35893.3	-0.01					
37723	ENS000002027283		35870.2	-0.01					
37799	ENS000002027283		35907.6	-0.01					
37873	ENS000002027283		36044.5	-0.01					
37860	ENS000002026567		36041.5	-0.01					
37891	ENS000002071200		36041.9	-0.01					
37923	ENS000002030001		36081	-0.01					
37929	ENS000002070413		36080.7	-0.01					
37992	ENS0000020272973		36154.3	-0.01					
38014	ENS000002021448		36178	-0.01					
38004	ENS000002020920		36237.3	-0.01					
38111	ENS000002031609		36476.4	-0.01					
38175	ENS000002021927	LHX1	36701	-0.01	17	35204084	35201817		LHX1 homeobox 1
38141	ENS000002028005		28505.6	-0.02	ant sense	20	33804265	33805504	MMP24 antisense RNA 9
38295	ENS000002024911	SCARN9A	31424.6	-0.02	ant sense	11	93454879	93455032	small Cajal body-specific RNA 9
38272	ENS000002025228	CASC8	34700.3	-0.02	ant sense	8	12832089	12834084	cancer susceptibility candidate 8 (non-protein coding)
38492	ENS000002039911	PRKCA2	32567.3	-0.02	ant sense	7	15157427	15157299	PRKCA2 antisense RNA 1
38495	ENS000002047986		32879.5	-0.02	ant sense	3	11339583	11339280	PKCZ2 antisense RNA 1
38492	ENS000002031442	MIR13	32917.4	-0.02	ant sense	12	19452468	19453371	miR13
38594	ENS000002059025	CACNA1C-AS4	33171.8	-0.02	ant sense	12	2329703	2329745	CACNA1C antisense RNA 4
38294	ENS000002023897	SPATA2	33407.7	-0.02	ant sense	1	10939839	10940146	spermatogenesis associated 42 (non-protein coding)
38172	ENS000002041211	TOLLIP-AS1	34296.4	-0.02	ant sense	3	19945176	19946001	IQGJ-SCHP1 regulator antisense RNA 1
38172	ENS000002029386	RAB11B-AS1	34296.4	-0.02	ant sense	19	8435267	8435589	RAB11B antisense RNA 1
38600	ENS0000020235904	RBM33-AS3	34705.3	-0.02	ant sense	3	2935585	2933217	RBM33 antisense RNA 3
38600	ENS000002025276	DDIT3-AS1	34707.6	-0.02	ant sense	11	4158447	4159487	RMI1 antisense RNA 1
38606	ENS000002025026	PPIA-AS1	34830.9	-0.02	ant sense	2	11689812	11691820	PPP1A antisense RNA 1
38760	ENS000002028725	PRCL1-AS1	34881	-0.02	ant sense	15	9150975	9153164	PRCL1 antisense RNA 1
38676	ENS000002025565		34976.6	-0.02	ant sense	15	15266958	15272907	RUSC3 antisense RNA 1
38746	ENS000002017133	TOLL2	35000.6	-0.02	ant sense	6	2091378	2090501	TOLL2 antisense RNA 1
38724	ENS000002024453		35333.4	-0.02	ant sense	11	2006532	2007049	NAV2 antisense RNA 2
37623	ENS000002049532	MIR302B	35653.7	-0.02	ant sense	4	11301762	11311207	miR302b
37724	ENS000002025151	TOLLIP-AS1	35926.1	-0.02	ant sense	11	1330295	1331807	TOLLIP antisense RNA 1 (head to head)
37768	ENS000002026033	MIR4519	35920.2	-0.02	ant sense	18	3086543	3086541	miR4519
37868	ENS000002018917	EMX2	35953.7	-0.02	ant sense	10	13505982	13508195	EMX2 host gene (non-protein coding)
37881	ENS000002020984	ATE1-AS1	36128.1	-0.02	ant sense	10	1286762	12871480	ATE1 antisense RNA 1
38248	ENS000002023091	TMEM25-AS1	36488.2	-0.02	ant sense	10	8180616	8180618	TMEM25 antisense RNA 1
38376	ENS000002029947	EMX2-AS1	36556.7	-0.02	ant sense	10	11623278	11630479	EMX2 opposite strand antisense RNA
38464	ENS000002029548	MIR159	36718.1	-0.02	ant sense	18	4011309	4011635	miR159
38580	ENS000002025588	BRWD1-IT2	36765.3	-0.02	ant sense	21	4068887	4068886	BRWD1 intronic transcript 2 (non-protein coding)
38583	ENS000002027049	MEIS1-AS2	36767.2	-0.02	ant sense	2	8696920	8696744	MEIS1 antisense RNA 2
38622	ENS000002011609	RPL14-AS2.4	36766.6	-0.02	ant sense	12	2184561	2184561	prostate cancer associated transcript 7 (non-protein coding)
38630	ENS0000020230530	LMI1-AS1	36818.3	-0.02	ant sense	3	4572035	4573026	LMI1 antisense RNA 1
38798	ENS000002024859	STAR34-AS1	36955.7	-0.02	ant sense	5	11084704	11107523	STAR34 antisense RNA 1
38864	ENS000002030313	TRAF1	37124.2	-0.02	ant sense	22	2194511	2194511	TRAF1 antisense RNA 1
38908	ENS0000020270823	MIR335	37249.3	-0.02	ant sense	7	13013535	13013828	hsa-miR-335
38401	ENS000002023123	DSCAM-AS1	37625.6	-0.02	ant sense	21	41755010	41757285	DSCAM antisense RNA 1
38938	ENS000002011168	MIR508	37720.8	-0.02	ant sense	13	9908704	9908704	FAM87F antisense RNA 1
38246	ENS000002045326	MIR8-2	37879.7	-0.02	ant sense	5	87803363	87806858	long intergenic non-protein coding RNA 461
38293	ENS000002091069	SNORD116-19	37898.6	-0.02	ant sense	15	2533286	2534343	small nuclear RNA, C/D box 116-20
38287	ENS00000203099	MIR508	37898.6	-0.02	ant sense	15	1031363	1031363	maternally expressed non-protein coding
38340	ENS000002028198	LINC01082	31891.7	-0.02	ant sense	16	88229787	88233326	long intergenic non-protein coding RNA 1082
38428	ENS000002028339	LINC00906	32840.1	-0.02	ant sense	19	29458038	29461781	long intergenic non-protein coding RNA 906
38483	ENS000002020551	PPIA-AS1	34005.8	-0.02	ant sense	10	1286762	12871480	Protein-Rib region non-protein coding RNA 2
38433	ENS000002028445	LINC00008	32711.9	-0.02	ant sense	2	219849321	219844382	long intergenic non-protein coding RNA 808
38498	ENS0000020270086	SCARN2A	32952	-0.02	ant sense	1	109642815	109643241	small Cajal body-specific RNA 2
38499	ENS000002028889	LINC01085	31420.6	-0.02	ant sense	14	14703007	14703007	long intergenic non-protein coding RNA 1085
38196	ENS000002031198		33332.6	-0.02	ant sense	16	2707808	2709486	chromosome 16 open reading frame 82
38272	ENS000002029140		33397.4	-0.02	ant sense	16	2182072	2182558	transmembrane protein 191C
38513	ENS000002055113		33592.6	-0.02	ant sense	52	5201768	5201768	MIR1338 host gene (non-protein coding)
38487	ENS000002053799	LINC01030	33596.2	-0.02	ant sense	8	9165032	91651293	long intergenic non-protein coding RNA 1030
38502	ENS000002028654	MIRMT1	33622	-0.02	ant sense	10	57352270	57359924	MIR1 repeat containing inverted transcript 1 (non-protein coding)
38509	ENS000002026070	GAT4-AS1	33847.8	-0.02	ant sense	18	19748679	19749269	GAT4 antisense RNA 1 (head to head)
38628	ENS000002029684	IBAT7-AS1	34149.5	-0.02	ant sense	1	22855787	22855713	IBAT7 antisense RNA 1 (head to head)
38297	ENS0000020285185	SNORD3B-1	34411	-0.02	ant sense	17	18965225	18965225	small nuclear RNA, C/D box 3B-1
38410	ENS0000020251533	LINC00805	34515.5	-0.02	ant sense	14	10366388	10366388	long intergenic non-protein coding RNA 805
38410	ENS0000020281424	LINC01152	34510.2	-0.02	ant sense	15	70029452	70034889	long intergenic non-protein coding RNA 1152
38708	ENS0000020286751	SCGB1B2P	34818.3	-0.02	ant sense	19	50067838	50068606	secretoglobin, family 1B, member 2, pseudogene
38798	ENS000002047400	DNAJC3-AS1	34913.3	-0.02	ant sense	13	9863087	9863079	DNAJC3 antisense RNA 1 (head to head)
37037	ENS000002049484	MIR4584	35184.2	-0.02	ant sense	11	2781975	2781975	miR4584
37110	ENS0000020234787	LINC00458	35233.8	-0.02	ant sense	13	54899924	54797001	long intergenic non-protein coding RNA 458
37387	ENS0000020185384	LINC01116	35725.6	-0.02	ant sense	2	11749437	11750269	long intergenic non-protein coding RNA 1116
37818	ENS000002029588	LINC01123	35712.7	-0.02	ant sense	2	110714469	110715313	long intergenic non-protein coding RNA 1123
37894	ENS0000020254166		35844	-0.02	ant sense	8	128187880	128215487	cancer susceptibility candidate 19 (non-protein coding)
37726	ENS0000020189389	LINC00843	35972	-0.02	ant sense	14	6258197	6259352	long intergenic non-protein coding RNA 843
37796	ENS0000020204884	LINC00941	36047.1	-0.02	ant sense	12	3094797	3094797	long intergenic non-protein coding RNA 941
37799	ENS000002081455	LINC01003	35946.3	-0.02	ant sense	7	152160874	152160834	long intergenic non-protein coding RNA 1003
37892	ENS000002048886	USP46-AS1	36011.7	-0.02	ant sense	4	5352573	53527835	USP46 antisense RNA 1
37806	ENS000002027652	MIR3812	36022.9	-0.02	ant sense	4	131154201	131155189	miR3812
38007	ENS0000020270419	CAHM	36167.8	-0.02	ant sense	6	163834097	163834992	colon adenocarcinoma hypermethylated (non-protein coding)
38052	ENS0000020236296	LINC00707	36211.5	-0.02	ant sense	10	6821560	6844988	long intergenic non-protein coding RNA 707
38063	ENS000002024642	LINC00842	36211.5	-0.02	ant sense	10	3366120	3366120	long intergenic non-protein coding RNA 842
38148	ENS0000020115808	LINC01139	36296.6	-0.02	ant sense	2	238643684	238649323	long intergenic non-protein coding RNA 1139
38177	ENS000002024377	LINC00988	36327.6	-0.02	ant sense	8	8525985	8526384	long intergenic non-protein coding RNA 988
38240	ENS000002021938	WWC2-AS2	36401.2	-0.02	ant sense	4	18401870	184020392	WWC2 antisense RNA 2
38308	ENS0000020230506		36489.1	-0.02	ant sense	21	44336913	44345756	endogenous retrovirus group 4b, member 1
38388	ENS000002020884	ZNF74-AS1	36571.9	-0.02	ant sense	X	48404928	48407843	ZNF74 antisense RNA 1 (head to head)
38408	ENS000002025014	MIR68	36584.3	-0.02	ant sense	14	1513055	1513373	Inchwormed protein
38519	ENS000002023499	FAM53H-AS1	36595.2	-0.02	ant sense	8	144816310	144828507	FAM53H antisense RNA 1 (head to head)
38643	ENS000002078840	MIR7-3HG	36828	-0.02	ant sense	19	4789117	4772545	MIR7-3 host gene (non-protein coding)
38985	ENS000002020478	LINC00073	37482.4	-0.02	ant sense	3	98695693	98701840	long intergenic non-protein coding RNA 973
38950	ENS0000020198221	MLL14-AS1	37566.3	-0.02	ant sense	6	168224556	168227389	MLL14 antisense RNA 1 (head to head)
38983	ENS000002047844	CCAT	37608.7	-0.02	ant sense	8	12820111	12823133	colon cancer associated transcript 1c (non-pro

31622	ENSG000002027870	MIR221	29614.7	-0.02	miRNA	4	45605885	45605884	microRNA 221
31728	ENSG000002161711	MIR421	29716	-0.02	miRNA	17	47384659	47384658	microRNA 421
31811	ENSG000001991169	MIR307	30006.9	-0.02	miRNA	4	113590300	113590297	microRNA 307
32009	ENSG000002078633	MIR128B2	30185.8	-0.02	miRNA	21	17962557	17962556	microRNA 128b-2
32230	ENSG00000207529	MIR193B	30509	-0.02	miRNA	16	14397824	14397808	microRNA 193b
32630	ENSG000002021192	MIR202	30916.741	-0.02	miRNA	7	99951766	99951766	microRNA 202
32880	ENSG00000208036	MIR106B	31047.8	-0.02	miRNA	7	99951816	99951817	microRNA 106b
33276	ENSG00000198691	MIR162	31418.4	-0.02	miRNA	3	160122533	160122613	microRNA 162-2
33280	ENSG00000201192	MIR1224	31429.8	-0.02	miRNA	3	183892183	183892184	microRNA 1224
33732	ENSG00000215588	MIR1226	31896.5	-0.02	miRNA	6	47891345	47891349	microRNA 1226
33925	ENSG00000206922	MIR627	32079.5	-0.02	miRNA	13	11438492	11438498	microRNA 627
33943	ENSG00000201454	MIR302D	32098.5	-0.02	miRNA	4	113569180	113569187	microRNA 302d
34875	ENSG00000207864	MIR278	33102.4	-0.02	miRNA	9	97847727	97847823	microRNA 278
35159	ENSG00000211748	MIR629	33300.3	-0.02	miRNA	1	15518488	15518593	microRNA 629
35328	ENSG00000210239	MIR99A	33842.5	-0.02	miRNA	1	17911409	17911409	microRNA 99a
35811	ENSG00000202971	MIR129B1	33929.1	-0.02	miRNA	11	121970465	121970552	microRNA 129b-1
37154	ENSG000002084219	MIR4442	33955.4	-0.02	miRNA	3	25780364	25780430	microRNA 4442
37163	ENSG00000191161	MIR129	35278.4	-0.02	miRNA	9	33952584	33952618	microRNA 129
37409	ENSG000002085806	MIR4202	35519.9	-0.02	miRNA	9	139725409	139725492	microRNA 4202
37621	ENSG000002085112	MIR1163	35645.2	-0.02	miRNA	9	91927140	91927221	microRNA 1163
37670	ENSG00000202122	MIR340	35715.9	-0.02	miRNA	19	94134121	94134652	microRNA 340
37705	ENSG00000201540	MIR1180	35852.5	-0.02	miRNA	17	19247819	19247887	microRNA 1180
37709	ENSG00000208232	MIR3178	35855.3	-0.02	miRNA	16	2581923	2582008	microRNA 3178
37765	ENSG00000204462	MIR348	35916.1	-0.02	miRNA	21	9629263	9629311	microRNA 348
37991	ENSG00000207951	MIR561	36153.7	-0.02	miRNA	2	189162319	189162315	microRNA 561
38001	ENSG00000204585	MIR4449	36219.5	-0.02	miRNA	4	53578849	53578914	microRNA 4449
38065	ENSG00000200605	MIR501	36229.9	-0.02	miRNA	X	133869358	133869358	microRNA 501
38111	ENSG000002011574	MIR770	36265.8	-0.02	miRNA	14	101318727	101318824	microRNA 770
38343	ENSG000002007208	MIR141	36516.5	-0.02	miRNA	12	9707260	9707354	microRNA 141
38560	ENSG00000205558	MIR4330	36621.9	-0.02	miRNA	36	9669138	9669138	microRNA 4330
38784	ENSG00000208555	MIR5143	36887.1	-0.02	miRNA	6	27115405	27115487	microRNA 5143
38812	ENSG00000208672	MIR4722	37019.9	-0.02	miRNA	16	8872096	8872745	microRNA 4722
38921	ENSG00000210288	MIR638	37120.2	-0.02	miRNA	12	133014633	133014633	microRNA 638
38942	ENSG000002038621	37687.6	-0.02	miRNA	6	26988114	26988126	transfer RNA isoleucine 2 (anticodon UUAU)	
38947	ENSG00000207543	MIR4787	37693.2	-0.02	miRNA	3	50712511	50712594	microRNA 4787
38953	ENSG00000205643	MIR7524	37702.4	-0.02	miRNA	3	58892197	58892197	microRNA 7524
39441	ENSG000002052487	28310.4	-0.02	misc. RNA	6	151619979	151620098	RNA, Ro-associated Y4 pseudogene 20	
39444	ENSG00000201279	28667.3	-0.02	misc. RNA	11	3683045	3683141	Y RNA	
39428	ENSG00000201127	28703	-0.02	misc. RNA	3	101381938	101381938	Y RNA	
39741	ENSG000002037494	29022.3	-0.02	misc. RNA	10	126503527	126503631	Y RNA	
39899	ENSG00000203377	29144.6	-0.02	misc. RNA	X	6961628	69616225	RNA, Ro-associated Y4 pseudogene 23	
31310	ENSG00000201398	29201	-0.02	misc. RNA	3	9268873	9268873	Y RNA	
31376	ENSG000002009537	29594.8	-0.02	misc. RNA	11	116896115	116896708	RNA, Ro-associated Y4 pseudogene 6	
31990	ENSG000002052254	29785.1	-0.02	misc. RNA	1	8388127	8388239	Y RNA	
32071	ENSG00000198560	31041.67	-0.02	misc. RNA	10	34480998	34481028	Y RNA	
34878	ENSG000002019134	33014.5	-0.02	misc. RNA	10	106980703	106980934	Y RNA	
35365	ENSG00000199990	VTRNA1-1	33475.2	-0.02	misc. RNA	5	140009060	140009058	vaull RNA 1-1
35686	ENSG000002015533	34078.6	-0.02	misc. RNA	4	140062681	140062681	RNA, 7SK small nuclear pseudogene 237	
35686	ENSG000002015533	34078.6	-0.02	misc. RNA	4	117048207	117048208	RNA, 7SK small nuclear pseudogene 273	
37000	ENSG000002007833	35121	-0.02	misc. RNA	7	70569962	70569991	RNA, 7SK small nuclear pseudogene 180	
37209	ENSG00000201786	35229	-0.02	misc. RNA	4	154180031	154180182	Y RNA	
37271	ENSG000002022881	35238.2	-0.02	misc. RNA	17	38541484	38541590	Y RNA	
37322	ENSG000002041529	35350.5	-0.02	misc. RNA	3	113351827	113351827	RNA, 7SL cytoplasmic 767, pseudogene	
37361	ENSG000002030243	35363.6	-0.02	misc. RNA	5	6848240	6848975	RNA, 7SK small nuclear pseudogene 79	
37370	ENSG000002022348	35420.9	-0.02	misc. RNA	6	115543365	115544148	RNA, 7SK small nuclear pseudogene 272	
37538	ENSG00000202141	35576.5	-0.02	misc. RNA	2	183887587	183887599	Y RNA	
37573	ENSG00000201201	35717.4	-0.02	misc. RNA	16	67355991	67355991	RNA, 7SK small nuclear pseudogene 116	
37691	ENSG000002023038	35732.3	-0.02	misc. RNA	15	151641269	151641269	RNA, 7SK small nuclear pseudogene 268	
37748	ENSG000002022395	35900.9	-0.02	misc. RNA	18	29843098	29843201	Y RNA	
38175	ENSG00000202404	36328.9	-0.02	misc. RNA	2	158155519	158155570	RNA, 7SK small nuclear pseudogene 281	
38207	ENSG00000204981	36341.5	-0.02	misc. RNA	6	14885132	14885132	RNA, 7SL cytoplasmic 821, pseudogene	
38262	ENSG00000204168	37676.5	-0.02	misc. RNA	9	133275683	133275680	RNA, 7SL cytoplasmic 865, pseudogene	
38294	ENSG00000203091	37422.3	-0.02	misc. RNA	3	108407525	108407528	Y RNA	
38773	ENSG00000200000	38258	-0.02	processed pseudogene	17	606421	606421	lady ac binding protein pseudogene 7	
20919	ENSG000002040342	20799.9	-0.02	processed pseudogene	12	11868377	11868407	ribosomal protein S2 pseudogene 5	
21005	ENSG000002025573	20739.1	-0.02	processed pseudogene	7	66071725	66072094	ribosomal protein L35 pseudogene 5	
20911	ENSG00000204588	21174.6	-0.02	processed pseudogene	3	28412892	28412892	signal peptidase complex subunit 1, homolog 5 (S. cerevisiae) pseudogene 4	
20910	ENSG00000204858	22384	-0.02	processed pseudogene	3	37058011	37058005	ribosomal protein L28 pseudogene 11	
20088	ENSG000002020897	22420.9	-0.02	processed pseudogene	17	14668393	14668397	ribosomal protein S18 pseudogene 12	
34646	ENSG0000020158	22763.1	-0.02	processed pseudogene	1	276312	276312	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 39	
20899	ENSG00000178429	23057.6	-0.02	processed pseudogene	10	86320199	86320199	ribosomal protein S3A pseudogene 5	
24127	ENSG000002023803	23250.1	-0.02	processed pseudogene	3	186917867	186918346	ribosomal protein S20 pseudogene 14	
24555	ENSG00000200000	23258	-0.02	processed pseudogene	4	48212	48212	ras-related G23-binding protein subunit 1 pseudogene 2	
25232	ENSG000002015030	24177.4	-0.02	processed pseudogene	17	1728691	1728726	ribosomal protein L13 pseudogene 12	
25293	ENSG000002028297	24228.5	-0.02	processed pseudogene	18	72057119	72057337	FBR-MUSV-associated ubiquitously expressed (fox derived) pseudogene 1	
25320	ENSG000002015030	24282.1	-0.02	processed pseudogene	18	92682	92682	prothymosin, alpha pseudogene (genes-locus) pseudogene 1(2)	
26130	ENSG000002058845	24506.6	-0.02	processed pseudogene	14	64068227	64068232	heat shock 10Da protein 1 pseudogene 2	
27600	ENSG000002015086	28195.9	-0.02	processed pseudogene	10	74677399	74677402	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 24	
27824	ENSG000002016640	28200	-0.02	processed pseudogene	16	153191820	153191820	cytochrome c, somatic pseudogene 45	
28019	ENSG00000214192	28523.2	-0.02	processed pseudogene	3	17543619	17543658	ubiquitin-conjugating enzyme E2 variant 1 pseudogene 2	
28397	ENSG000002024953	28841.8	-0.02	processed pseudogene	Y	6587003	6587271	serpin pseudogene 3	
28431	ENSG000002014028	29055.4	-0.02	processed pseudogene	X	2205918	2205918	family with sequence similarity 1, member C2 (pseudogene)	
28615	ENSG000002025903	27086.2	-0.02	processed pseudogene	6	10352561	10352072	ribosomal protein L3 pseudogene 7	
28747	ENSG000002028887	27222.3	-0.02	processed pseudogene	19	14181154	14182052	eukaryotic translation elongation factor 1 delta pseudogene 1	
28633	ENSG000002064172	28234.3	-0.02	processed pseudogene	2	26251074	26251481	Uncharacterized protein	
30697	ENSG000002040371	29240.1	-0.02	processed pseudogene	8	27434563	27434563	ribosomal protein S43 pseudogene 13	
30279	ENSG000002033594	28620.1	-0.02	processed pseudogene	2	55662292	55662758	basic transcription factor 3 pseudogene 10	
30710	ENSG000002015006	28987.3	-0.02	processed pseudogene	16	68829796	68830796	colicid coli-helix-coiled-coil-helix domain containing 2 pseudogene 2	
31438	ENSG000002099118	29556.4	-0.02	processed pseudogene	16	47612566	47612566	NADH dehydrogenase (ubiquinone), 1 alpha subcomplex, 5 pseudogene 11	
32392	ENSG000002035508	30556.9	-0.02	processed pseudogene	20	44268125	44270007	ribosomal protein S2 pseudogene 7	
32591	ENSG000002045640	30719.6	-0.02	processed pseudogene	4	169118158	169118663	actin (beta non-muscle) ribonucleoprotein S2, family, member C	
32691	ENSG000002040411	30858.9	-0.02	processed pseudogene	4	1014310116	1014310116	phosphoribosyl transferase 3 pseudogene 4	
32798	ENSG000002060228	30988.9	-0.02	processed pseudogene	8	83203859	83203814	heterogeneous nuclear ribonucleoprotein A1 pseudogene 4	
32927	ENSG000002019806	31190.4	-0.02	processed pseudogene	6	139935575	139936041	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit epsilon 1	
33000	ENSG000002023426	31194.4	-0.02	processed pseudogene	8	158411869	158411869	THAP domain containing 1 pseudogene 1	
33033	ENSG000002031445	31197.4	-0.02	processed pseudogene	2	182933867	182934161	translocase of inner mitochondrial membrane 8, homolog A (yeast) pseudogene 1	
33284	ENSG000002042495	31424.3	-0.02	processed pseudogene	8	62480779	62489230	keratin 8 pseudogene 2	
33464	ENSG000002047723	31680.9	-0.02	processed pseudogene	7	114901807	114901834	heat shock 70Da protein 1 pseudogene 7	
33534	ENSG000002014810	31899.9	-0.02	processed pseudogene	6	34187216	34187843	cytochrome c, somatic pseudogene 55	
33672	ENSG000002029752	31835.1	-0.02	processed pseudogene	1	81563952	81564090	ribosomal protein L7 pseudogene 10	
33698	ENSG000002030449	31903.9	-0.02	processed pseudogene	1	129624156	129624156	serpinin pseudogene 1	
33765	ENSG000002087742	31927	-0.02	processed pseudogene	18	57684010	57684073	family with sequence similarity 80, member C pseudogene	
33882	ENSG000002025099	32045.1	-0.02	processed pseudogene	1	43306903	43306983	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1 pseudogene 1	
33933	ENSG000002086213	32053.1	-0.02	processed pseudogene	10	98011257	98011257	SEC3A homolog 5 (NIMA-interacting) 1 pseudogene 1	
34081	ENSG000002028361	32253.6	-0.02	processed pseudogene	13	19254834	19255466	isoleucine repeat binding factor (NIMA-interacting) 1 pseudogene 5	
34190	ENSG000002018146	32369.5	-0.02	processed pseudogene	6	154897443	154898213	ribosomal protein S4X pseudogene 8	
34410	ENSG000002005871	32600.4	-0.02	processed pseudogene	15	63420987	63420987	ribosomal protein S26 pseudogene 47	
34427	ENSG000002043454	32687.4	-0.02	processed pseudogene	13	101192089	101192258	ribosomal protein S26 pseudogene	

Table with 10 columns: ENSG accession, gene symbol, chromosome, position, strand, protein name, UniProt ID, and description. The table lists 463 rows of genomic data, including genes like GCNT1, NLRP5, MYLK3, and many others, with corresponding protein identifiers and functional descriptions.

39147	ENSG00000186276	PPP1R27	37370	-0.02	protein_coding	17	79791368	79792928	protein phosphatase 1, regulatory subunit 27
39152	ENSG00000186997	ANKK1A	37377	-0.03	protein_coding	8	34851229	34851229	ankyrin repeat and sterile alpha motif domain containing 1A
39158	ENSG00000139874	SSTR1	37379	-0.02	protein_coding	4	39877204	39892272	somatostatin receptor 1
39181	ENSG00000143578	CREBBP3.4	37404	-0.02	protein_coding	1	153940010	153940010	cAMP responsive element binding protein 3-like 4
39192	ENSG00000186897	C12orf1	37411	-0.02	protein_coding	12	49742620	49742620	complement component 1, s subcomponent-like 4
39195	ENSG00000186963	HXB5	37413	-0.02	protein_coding	17	66683736	66683736	homobox B5
39199	ENSG00000204147	ASAH2B	37418	-0.02	protein_coding	10	52499078	52576255	N-acetylphosphine amidohydrolase (non-lysosomal ceramidase) 2B
39220	ENSG00000171988	APLN	37441	-0.02	protein_coding	A	128779240	128789833	apelin
39222	ENSG00000192099	HSPF4	37447	-0.02	protein_coding	8	96830889	96830889	Hermansky-Pudlak syndrome 4
39251	ENSG00000164438	TLX3	37469	-0.02	protein_coding	5	170798288	170798288	T-cell leukemia homeobox 3
39256	ENSG00000123335	SEKAC1	37475	-0.02	protein_coding	6	158550336	158550336	serine active site combining 1
39264	ENSG00000209258	COL3A3	37478	-0.02	protein_coding	20	614437968	614572511	collagen type IX, alpha 3
39296	ENSG00000170831	ZNF16	37510	-0.02	protein_coding	8	146155744	146176274	zinc finger protein 16
39307	ENSG00000186542	SPTSSB	37524	-0.02	protein_coding	3	161062980	161060988	serine palmitoyltransferase, small subunit B
39321	ENSG00000143914	USP43	37558	-0.02	protein_coding	17	9540815	9539300	ubiquitin-specific protease 43
39324	ENSG00000138515	PDX1	37546	-0.02	protein_coding	13	28434157	28500368	pancreatic and duodenal homeobox 1
39336	ENSG00000182992	NEUROD1	37555	-0.02	protein_coding	2	162537815	162545903	neuronal differentiation 1
39343	ENSG00000196991	MAGE11	37573	-0.02	protein_coding	X	152443202	152489115	melanoma antigen family A, direct expression of antigen M22-E
39347	ENSG00000117407	ARNT	37643	-0.02	protein_coding	1	44538992	44420213	arntin
39351	ENSG00000151338	MIPOL1	37666	-0.02	protein_coding	14	37647118	38021566	mirror-image polycystin 1
39391	ENSG00000201344	CHORP2	37552	-0.02	protein_coding	16	16599602	16718715	chromosome 16 open reading frame 62
39472	ENSG00000183686	HESX1	37706	-0.02	protein_coding	3	57231944	57260549	HESX homeobox 1
39505	ENSG00000198793	ZNF239	37741	-0.02	protein_coding	10	44051792	44070066	zinc finger protein 239
39503	ENSG00000170921	C11orf70	37803	-0.02	protein_coding	11	101931814	101935024	chromosome 11 open reading frame 70
39597	ENSG00000197261	C6orf141	37832	-0.02	protein_coding	6	49518113	4952620	chromosome 6 open reading frame 141
39614	ENSG00000135348	CGA	37852	-0.02	protein_coding	8	87795216	87804824	glycoprotein hormones, alpha polypeptide
39624	ENSG00000120388	SNR44	37897	-0.02	protein_coding	4	2865335	2842474	G-protein-coupled receptor kinase 4
39625	ENSG00000136098	NEK3	37858	-0.02	protein_coding	13	52706775	52733986	NIMA-related kinase 3
39629	ENSG00000150893	FREM2	37883	-0.02	protein_coding	13	39061266	39460074	FRS1 related extracellular matrix protein 2
39651	ENSG00000186969	BMS1B	38010	-0.02	protein_coding	3	66618088	66618088	bone morphogenetic protein receptor, type 1B
39757	ENSG00000177692	DNAJC28	38010	-0.02	protein_coding	21	34860497	34860497	DnaJ (Hsp40) related, subfamily C, member 28
39865	ENSG00000184853	UNCX	38136	-0.02	protein_coding	7	1272543	1274954	UNC homeobox
39845	ENSG00000192882	GNB3	38227	-0.02	protein_coding	10	11862768	11862768	protein and serine/threonine protein 2
39956	ENSG00000111664	GNB3	38227	-0.02	protein_coding	10	6949118	6956557	guanine nucleotide binding protein (G-protein), beta polypeptide 3
40131	ENSG00000120075	HOBX5	38426	-0.02	protein_coding	17	46646819	46671323	homobox B5
40442	ENSG00000120883	SNR202	38501	-0.02	protein_coding	12	10501304	10501304	small nuclear RNA, C/D box 116-18
34132	ENSG00000201595	SNR202	38501	-0.02	protein_coding	3	51728481	51728588	RNA, SS ribosomal pseudogenes 370
39286	ENSG00000202303	SNR202	38501	-0.02	protein_coding	6	143770946	143771048	RNA, SS ribosomal pseudogenes 370
39388	ENSG00000199998	SNR202	38501	-0.02	protein_coding	3	15096768	15096768	RNA, SS ribosomal pseudogenes 370
39450	ENSG00000202211	SNR202	38501	-0.02	protein_coding	19	58874805	58874929	RNA, SS ribosomal pseudogenes 473
39576	ENSG00000202434	SNR202	38501	-0.02	protein_coding	18	33965426	33965572	RNA, SS ribosomal pseudogenes 2
39588	ENSG00000122721	SNR202	38501	-0.02	protein_coding	16	11173749	11173749	RNA, SS ribosomal pseudogenes 5
39723	ENSG00000202187	SNR202	38501	-0.02	protein_coding	12	28658327	28658461	RNA, SS ribosomal pseudogenes 355
39676	ENSG00000198572	SNR202	38501	-0.02	protein_coding	4	18093620	18093610	RNA, SS ribosomal pseudogenes 174
39830	ENSG00000202426	SNR202	38501	-0.02	protein_coding	12	34588884	34588752	SS ribosomal RNA
39849	ENSG00000202138	SNR202	38501	-0.02	protein_coding	14	892391	892391	RNA, SS ribosomal pseudogenes 450
39882	ENSG00000200755	SNR202	38501	-0.02	protein_coding	1	173938456	173938874	RNA, SS ribosomal pseudogenes 68
37087	ENSG00000201622	SNR202	38501	-0.02	protein_coding	3	179876074	179876795	RNA, SS ribosomal pseudogenes 149
37676	ENSG00000198048	SNR202	38501	-0.02	protein_coding	1	204511449	204511449	RNA, SS ribosomal pseudogenes 14
37702	ENSG00000198074	SNR202	38501	-0.02	protein_coding	18	21704669	21705687	RNA, SS ribosomal pseudogenes 42
37816	ENSG00000200873	SNR202	38501	-0.02	protein_coding	15	2150911	21511027	RNA, SS ribosomal pseudogenes 369
38066	ENSG00000202472	SNR202	38501	-0.02	protein_coding	16	140085811	140086707	RNA, SS ribosomal pseudogenes 248
38101	ENSG00000200741	SNR202	38501	-0.02	protein_coding	6	56963556	56963670	RNA, SS ribosomal pseudogenes 161
38133	ENSG00000201096	MIR741.2	38286	-0.02	protein_coding	14	76070156	76070261	RNA, SS ribosomal pseudogenes 387
38172	ENSG00000200264	SNR202	38501	-0.02	protein_coding	4	8394742	8394851	RNA, SS ribosomal pseudogenes 152
38220	ENSG00000202741	SNR202	38501	-0.02	protein_coding	7	33217352	33217450	RNA, SS ribosomal pseudogenes 229
38233	ENSG00000190899	SNR202	38501	-0.02	protein_coding	1	52438082	52439207	RNA, SS ribosomal pseudogenes 48
38311	ENSG00000120191	SNR202	38501	-0.02	protein_coding	1	128337693	128337610	RNA, SS ribosomal pseudogenes 242
38463	ENSG00000202313	SNR202	38501	-0.02	protein_coding	10	23288184	23288287	RNA, SS ribosomal pseudogenes 304
38612	ENSG00000200558	SNR202	38501	-0.02	protein_coding	16	88776383	88776481	RNA, SS ribosomal pseudogenes 429
39017	ENSG00000200241	SNR202	38501	-0.02	protein_coding	11	11862768	11862768	RNA, SS ribosomal pseudogenes 258
32043	ENSG00000207074	PWARS	38235	-0.02	sense_intronic	15	25230011	25230200	small nuclear RNA, C/D box 64
34540	ENSG00000204882	SNR202	38501	-0.02	sense_intronic	10	49718568	49719632	ARHGAP22 intronic transcript 1 (non-protein coding)
39129	ENSG00000200928	SNR202	38501	-0.02	sense_intronic	14	11862768	11862768	SNORD2 (scargina) (non-protein coding)
39062	ENSG00000200688	SNORD118-18	28445	-0.02	snRNA	15	25330532	25330532	small nuclear RNA, C/D box 116-18
39200	ENSG00000200532	SNORD113-7	28951	-0.02	snRNA	4	101407463	101407539	small nuclear RNA, C/D box 117-7
39450	ENSG00000196433	SNORD118-18	28445	-0.02	snRNA	1	229012	229012	small nuclear RNA, C/D box 116-18
39662	ENSG000002021643	SNORD77	28966	-0.02	snRNA	1	203986709	203986709	small nuclear RNA, HACIA box 77
39036	ENSG00000202745	SNORD116-29	29111	-0.02	snRNA	15	25351688	25351750	small nuclear RNA, C/D box 116-29
39071	ENSG00000201743	SNORD116-29	29111	-0.02	snRNA	7	22983205	22983205	small nuclear RNA, C/D box 116-29
31067	ENSG00000200367	SNORD13-8	29503	-0.02	snRNA	14	101409768	101409881	small nuclear RNA, C/D box 113-8
31196	ENSG00000202270	SNORD114-12	29415	-0.02	snRNA	14	101452585	101453359	small nuclear RNA, C/D box 114-12
31388	ENSG00000186764	SNORD114-12	29415	-0.02	snRNA	22	3871518	3871518	small nuclear RNA, C/D box 114-12
31326	ENSG000002002413	SNORD114-26	29546	-0.02	snRNA	14	101453384	101453454	small nuclear RNA, C/D box 114-26
31390	ENSG00000202783	SNORD116-18	29604	-0.02	snRNA	15	25327915	25328006	small nuclear RNA, C/D box 116-18
31448	ENSG00000198708	SNORD116-29	29546	-0.02	snRNA	12	7070384	7070384	small Cajal body-specific RNA 13
31628	ENSG00000200186	SNORD116-27	29517	-0.02	snRNA	15	25348813	25348813	small nuclear RNA, C/D box 115-27
31688	ENSG00000200406	SNORD114-23	29880	-0.02	snRNA	14	101450213	101450284	small nuclear RNA, C/D box 114-23
31713	ENSG00000198158	SNORD116-29	29546	-0.02	snRNA	6	18460384	18460384	small nuclear RNA, C/D box 116-29
31749	ENSG00000200480	SNORD114-28	29935	-0.02	snRNA	14	101455487	101455538	small nuclear RNA, C/D box 114-28
31768	ENSG00000200812	SNORD114-25	29958	-0.02	snRNA	14	101452384	101452485	small nuclear RNA, C/D box 114-25
31828	ENSG00000198785	SNORD6	30023	-0.02	snRNA	14	2186210	2186210	small nuclear RNA, C/D box 6
31874	ENSG00000201923	SNORD6	30063	-0.02	snRNA	6	31903040	31903103	small nuclear RNA, C/D box 48
31967	ENSG00000202326	SNORD116-25	30157	-0.02	snRNA	15	25342810	25342901	small nuclear RNA, C/D box 116-25
32154	ENSG00000200713	SNORD116-13	30342	-0.02	snRNA	15	25342026	25342286	small nuclear RNA, C/D box 116-13
32165	ENSG00000198439	SNORD116-29	30349	-0.02	snRNA	10	21963036	21963124	small nuclear RNA, C/D box 4
32321	ENSG00000202344	SNORD114-21	30708	-0.02	snRNA	14	101448312	101448383	small nuclear RNA, C/D box 114-21
32540	ENSG00000201589	SNORD14-7	30721	-0.02	snRNA	14	101441143	101441177	small nuclear RNA, C/D box 114-7
32554	ENSG00000203741	SNORNA7	30709	-0.02	snRNA	16	160223824	160223824	small nuclear RNA, C/D box 7
32584	ENSG00000201557	SNORF114-15	30709	-0.02	snRNA	14	101439007	101439078	small nuclear RNA, C/D box 114-15
32615	ENSG00000208145	SNORF53	30807	-0.02	snRNA	2	29149933	29150010	small nuclear RNA, C/D box 53
32616	ENSG00000208145	SNORF53	30807	-0.02	snRNA	2	86362963	86362963	small nuclear RNA, C/D box 53
32737	ENSG00000202048	SNORD114-20	30913	-0.02	snRNA	14	101447341	101447412	small nuclear RNA, C/D box 114-20
32742	ENSG00000201285	SNORD67							

36467	ENSG00000252966		33584.1	-0.02	snRNA	12	3063406	3063504	RNA, U5 small nuclear 1315, pseudogene
36551	ENSG00000252971		33619.9	-0.02	snRNA	13	3443378	3443386	RNA, U5a small nuclear 4, pseudogene
36787	ENSG00000206593		34492.2	-0.02	snRNA	5	10835035	10835041	RNA, U5 small nuclear 47, pseudogene
36712	ENSG00000202720	RNU6-3P	34819.1	-0.02	snRNA	4	110913481	110913587	RNA, U5 small nuclear 35, pseudogene
36818	ENSG00000201041	RNU6-2	35071.7	-0.02	snRNA	X	140212215	140212221	RNA, U6 small nuclear 3, pseudogene
36947	ENSG00000201074	RNU6-3P	35071.7	-0.02	snRNA	18	6952677	6952677	RNA, U5 small nuclear 39, pseudogene
36982	ENSG00000222850		35097.8	-0.02	snRNA	1	23841080	23841258	RNA, U2 small nuclear 70, pseudogene
37247	ENSG00000204113	RNU6-1P	35287.1	-0.02	snRNA	11	98345973	98346079	RNA, U6 small nuclear 16, pseudogene
37417	ENSG00000205181		35334.8	-0.02	snRNA	4	128813148	128813237	RNA, U5 small nuclear 563, pseudogene
37512	ENSG00000222538		35639.2	-0.02	snRNA	2	72948935	72949132	RNA, U2 small nuclear 39, pseudogene
37641	ENSG00000207110		35786.4	-0.02	snRNA	8	129011377	129011540	RNA, U1 small nuclear 106, pseudogene
37781	ENSG00000208900		35932.9	-0.02	snRNA	3	194839538	194839622	RNA, U5 small nuclear 25, pseudogene
37783	ENSG00000206625	RNU6-2	35934.5	-0.02	snRNA	15	68132277	68132383	RNA, U6 small nuclear 1
37797	ENSG00000201707	RNU6-2	35942.9	-0.02	snRNA	19	893484	893590	RNA, U6 small nuclear 9
37828	ENSG00000201783		35983.6	-0.02	snRNA	18	69209574	69209690	RNA, U5 small nuclear 22, pseudogene
37843	ENSG00000202588	RNU1-4	35988.9	-0.02	snRNA	14	35025432	35025595	RNA, U1 small nuclear 28, pseudogene
37844	ENSG00000202408		36096.3	-0.02	snRNA	1	147897326	147898388	RNA, U1 small nuclear 122, pseudogene
38085	ENSG00000202751	RNVU11-14	36238.4	-0.02	snRNA	1	145241465	145241528	RNA, variant U1 small nuclear 14
38102	ENSG00000206702		36253.9	-0.02	snRNA	6	13214288	13214451	RNA, U1 small nuclear 11, pseudogene
38153	ENSG00000222626		36303.5	-0.02	snRNA	5	157403774	157403964	RNA, U2 small nuclear 48, pseudogene
38188	ENSG00000201723		36307.1	-0.02	snRNA	X	49825389	49825496	RNA, U5 small nuclear 29, pseudogene
38251	ENSG00000207524	RNU6-3P	36409	-0.02	snRNA	4	88605999	88606105	RNA, U5 small nuclear 33, pseudogene
38338	ENSG00000194297		36503.9	-0.02	snRNA	1	118874020	118874148	RNA, U1 small nuclear 75, pseudogene
38366	ENSG00000202153	RNU6-2	36541.7	-0.02	snRNA	19	1021621	1021627	RNA, U6 small nuclear 2
38372	ENSG00000201699		36548.4	-0.02	snRNA	1	14454038	14454199	RNA, U1 small nuclear 59, pseudogene
38480	ENSG00000222293		36692.2	-0.02	snRNA	9	89037853	89038043	RNA, U2 small nuclear 36, pseudogene
38525	ENSG00000209920	RNU6-2	36702.9	-0.02	snRNA	3	19084925	19084931	RNA, U5 small nuclear 4, pseudogene
38623	ENSG00000198879		36809	-0.02	snRNA	1	147735751	147735803	RNA, U1 small nuclear 120, pseudogene
38653	ENSG00000208908		36843.7	-0.02	snRNA	6	53084059	53084222	RNA, U1 small nuclear 136, pseudogene
38778	ENSG00000201037	RNU6-1	36843.7	-0.02	snRNA	14	3261726	3261726	RNA, U6 small nuclear 8
39040	ENSG00000207322		37251.2	-0.02	snRNA	4	136917084	136917247	RNA, U1 small nuclear 89, pseudogene
39096	ENSG00000202078		37314.5	-0.02	snRNA	10	88649326	88649490	RNA, U1 small nuclear 19, pseudogene
39118	ENSG00000202788	RNU6-3P	37357	-0.02	snRNA	14	14484473	14484473	RNA, U2 small nuclear 38, pseudogene
39266	ENSG00000206899	RNU6-3P	37483.3	-0.02	snRNA	12	98115494	98115600	RNA, U5 small nuclear 36, pseudogene
39470	ENSG00000251787		37705.3	-0.02	snRNA	3	142520049	142520110	RNA, U7 small nuclear 47, pseudogene
39594	ENSG00000202691		37732.5	-0.02	snRNA	17	8215688	82157051	RNA, U1 small nuclear 85, pseudogene
39688	ENSG00000223336		37827.5	-0.02	snRNA	13	46948536	46948725	RNA, U2 small nuclear 6, pseudogene
28044	ENSG00000214182		26543.2	-0.02	transcribed_processed_pseudo_gene	13	82264046	82265207	prothymosin, alpha pseudogene 5
28408	ENSG00000259790		26886.8	-0.02	transcribed_processed_pseudo_gene	15	75613738	75615034	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B pseudogene 1
32822	ENSG00000287736		38192.9	-0.02	transcribed_processed_pseudo_gene	19	1203208	1203820	high mobility group box 2 pseudogene 1
33242	ENSG00000226306	NPYR	31389.8	-0.02	transcribed_processed_pseudo_gene	5	137188882	137148440	neuropeptide Y receptor Y6 (pseudogene)
33409	ENSG00000217325		31549.3	-0.02	transcribed_processed_pseudo_gene	6	122964634	122965536	PRELI domain containing 1 pseudogene 1
34491	ENSG00000230445	LRR37A6P	32668.3	-0.02	transcribed_processed_pseudo_gene	10	27535279	27548384	leucine rich repeat containing 37, member A6, pseudogene
34617	ENSG00000182814	FUNC2P2	32791.8	-0.02	transcribed_processed_pseudo_gene	2	84517806	84519326	FUN14 domain containing 2 pseudogene 2
35874	ENSG00000241749	RPBPAP2	33980.9	-0.02	transcribed_processed_pseudo_gene	12	66151800	66220754	ribosomal protein S4 pseudogene 52
36237	ENSG00000225366	TDRF1P3	34356.4	-0.02	transcribed_processed_pseudo_gene	X	109763540	109766249	teratocarcinoma-derived growth factor 1 pseudogene 3
38379	ENSG00000229359	PIN1P1	34487	-0.02	transcribed_processed_pseudo_gene	1	70385005	70388000	peptidylprolyl cis/trans isomerase, NIMA-interacting 1 pseudogene 1
37884	ENSG00000243742	RPLP0P2	35725.2	-0.02	transcribed_unprocessed_pseudo_gene	11	61382506	61406921	ribosomal protein, large, P0 pseudogene 2
34470	ENSG00000230246		32648.1	-0.02	transcribed_unprocessed_pseudo_gene	9	90529408	90538572	SPATA31 subfamily C, member 1
34812	ENSG00000254681		32953.8	-0.02	transcribed_unprocessed_pseudo_gene	16	18458147	18495797	polycystic kidney disease 1 (autosomal dominant) pseudogene 5
35132	ENSG00000240632	SPATA31D5P	33271.2	-0.02	transcribed_unprocessed_pseudo_gene	9	84528352	84534841	SPATA31 subfamily D, member 5, pseudogene
38662	ENSG00000197063		34978.7	-0.02	transcribed_unprocessed_pseudo_gene	5	150310207	150325851	zinc finger protein 300 pseudogene 1
37021	ENSG00000196162	CIDECP	35147.1	-0.02	transcribed_unprocessed_pseudo_gene	3	10055932	10068049	cell death-inducing DFFA-like effector c pseudogene
37234	ENSG00000225151	GOLGA2P7	35352.8	-0.02	transcribed_unprocessed_pseudo_gene	15	84987600	84988868	golgin A2 pseudogene 7
37259	ENSG00000184319	RIZ2AP7	35382.5	-0.02	transcribed_unprocessed_pseudo_gene	22	51195376	51239737	ribosomal protein L23 pseudogene 82
37561	ENSG00000198155	ZNF878P	35705.5	-0.02	transcribed_unprocessed_pseudo_gene	4	206399	249774	zinc finger protein 878, pseudogene
37824	ENSG00000133519	ZDHHC8P1	35761.8	-0.02	transcribed_unprocessed_pseudo_gene	22	23732793	23744913	zinc finger, DHHC-type containing 8 pseudogene 1
34238	ENSG00000292787	ZNF271	32413.5	-0.02	unitary_pseudogene	18	32891046	32897930	zinc finger protein 271
34239	ENSG00000292788		32413.5	-0.02	unitary_pseudogene	15	33527763	33538822	transmembrane and coiled-coil domain 5B, pseudogene
37357	ENSG00000182796	TME1B18B	35472.2	-0.02	unitary_pseudogene	12	56223529	56230350	transmembrane protein 188B, pseudogene
39093	ENSG00000181444		29243.8	-0.02	unprocessed_pseudogene	7	97595402	97596388	effector receptor, family 7, subfamily E, member 38 pseudogene
31743	ENSG00000205723		31025.7	-0.02	unprocessed_pseudogene	1	869178	869178	mitochondrially encoded ATP synthase 8 pseudogene 1
34467	ENSG00000177910		32546.4	-0.02	unprocessed_pseudogene	9	90744220	90753361	SPATA31 subfamily C, member 2
34373	ENSG00000202725		32628.1	-0.02	unprocessed_pseudogene	17	19505572	19505572	MT-ND1 pseudogene 14
34883	ENSG00000202599		33028.6	-0.02	unprocessed_pseudogene	5	179076280	179076445	Uncharacterized protein
34914	ENSG00000131113		33045.1	-0.02	unprocessed_pseudogene	3	19784659	19784749	tubulin, beta 8 class VII, pseudogene 8
35224	ENSG00000144188		33357.1	-0.02	unprocessed_pseudogene	2	97691718	97697373	tripartite motif containing 43C, pseudogene
36941	ENSG00000202530		35669.5	-0.02	unprocessed_pseudogene	7	56620	56620	MT-ND2 pseudogene 26
37469	ENSG00000204548		36052.2	-0.02	unprocessed_pseudogene	7	14329153	14329111	family with sequence similarity 115, member 8 (pseudogene)
21458	ENSG00000230202		21165.8	-0.02					
22067	ENSG00000216426		21633.2	-0.02					
22106	ENSG00000199113		21694.9	-0.02					
22884	ENSG00000225200		22258.3	-0.02					
23151	ENSG00000242299		22462.8	-0.02					
23144	ENSG00000185641		22717.7	-0.02					
23538	ENSG00000108294	PSMB3	22751	-0.02		17	38908989	38920484	proteasome (prosome, macropain) subunit, beta type, 3
26041	ENSG00000295789		24839.2	-0.02					
26500	ENSG00000295204		25228	-0.02					
27198	ENSG00000225580		25842	-0.02					
27796	ENSG00000131795	RBM1A	26231.8	-0.02		1	14507598	14513636	RNA binding motif protein 8A
27608	ENSG00000204568		26444.8	-0.02					
28585	ENSG00000250321		27054.2	-0.02					
28982	ENSG00000273213		27433.1	-0.02					
29000	ENSG00000204214		27532.2	-0.02					
28535	ENSG00000201418		27847.7	-0.02					
28631	ENSG00000233320		28033.4	-0.02		X	10323035	103230898	H2B histone family, member X, pseudogene
29651	ENSG00000201533		28042.7	-0.02					
30441	ENSG00000198134		28141.7	-0.02					
30473	ENSG00000213959		28783.8	-0.02					
30891	ENSG00000204534		29192.3	-0.02		7	8214842	8214935	Y RNA
30999	ENSG00000272781		29252.9	-0.02					
31269	ENSG00000206317	SNORD78	29485.4	-0.02		1	17383470	173834824	small nuclear RNA, C/D box 78
31271	ENSG00000202959		29498.3	-0.02					
31273	ENSG00000230628		29499.9	-0.02					
31386	ENSG00000201035	MIR498	29578.4	-0.02		8	41517959	41518026	miR498
31420	ENSG00000186603	ANKRD2	29525	-0.02		10	4726638	4726241	ankyrin domain family 2
31518	ENSG00000203817		29723.5	-0.02		1	149438750	149450549	family with sequence similarity 72, member C
31548	ENSG00000254033		29747.1	-0.02		20	18309650	18309746	RNA, Ro-associated Y4 pseudogene 11
31584	ENSG00000225188		29780.3	-0.02					
31901	ENSG00000252447		29992.1	-0.02		11	47749098	47749189	small nuclear RNA U13
31901	ENSG00000234838		30092.7	-0.02					

34408	ENSG00000237838		32583.6	-0.02				
34438	ENSG00000234529		32617.4	-0.02				
34440	ENSG00000251391		32619.6	-0.02				
34443	ENSG00000228100		32626.8	-0.02				
34459	ENSG00000235918		32641.6	-0.02				
34501	ENSG00000254296		32674.6	-0.02				
34547	ENSG00000187990	HIST1H2BG	32725.6	-0.02	6	26216428	26216672	histone cluster 1, H2bg
34616	ENSG00000262700		32790.6	-0.02				
34620	ENSG00000261555		32794.7	-0.02				
34637	ENSG00000237784		32811.3	-0.02				
34645	ENSG00000225961		32817.9	-0.02				
34646	ENSG00000252942		32818.7	-0.02				
34649	ENSG00000266118		32823.7	-0.02	2	24347236	24413305	Uncharacterized protein
34654	ENSG00000236453		32829	-0.02				
34676	ENSG00000202991		32841.4	-0.02				
34710	ENSG00000250411		32874	-0.02				
34712	ENSG00000204149		32875.2	-0.02				
34713	ENSG00000217193		32975.2	-0.02				
34726	ENSG00000272077		32987.7	-0.02				
34814	ENSG00000225398		32955.3	-0.02				
34835	ENSG00000233335		32978	-0.02				
34852	ENSG000002047157		32963.3	-0.02				
34922	ENSG00000259245		33055.9	-0.02				
34966	ENSG00000252437		33094.2	-0.02				
34979	ENSG00000187008		33107	-0.02	16	71963441	72033877	polycystic kidney disease 14a3
34987	ENSG00000237179		33113.1	-0.02				
35007	ENSG00000252728		33149.6	-0.02				
36012	ENSG00000258426		33153	-0.02				
36014	ENSG00000252997		33154.3	-0.02				
36022	ENSG00000241468		33181.4	-0.02				
36044	ENSG00000254900		33187.4	-0.02				
36106	ENSG00000281458		33243.3	-0.02				
36188	ENSG00000252475		33320	-0.02				
36188	ENSG00000180872		33326.8	-0.02				
36246	ENSG00000264859		33377.9	-0.02				
36291	ENSG00000254548		33385.8	-0.02				
36294	ENSG00000249365		33387.1	-0.02				
36298	ENSG00000205976		33394.9	-0.02				
36271	ENSG00000237197		33396.7	-0.02				
36273	ENSG00000287761		33398.7	-0.02				
36286	ENSG00000272763		33404.1	-0.02				
36288	ENSG00000252453	PRAMEF11	33413.4	-0.02	1	12884468	12891264	PRAME family member 11
36298	ENSG00000246214		33418	-0.02				
36313	ENSG00000272288		33432.3	-0.02				
36336	ENSG00000236427		33446.9	-0.02				
36336	ENSG00000235404		33455	-0.02				
36346	ENSG00000226958		33462.7	-0.02				
36364	ENSG00000267268		33474.6	-0.02				
36377	ENSG00000231817		33484.5	-0.02				
36387	ENSG00000256049		33494.2	-0.02	1	17686691	17728195	peptidyl arginine deiminase, type VI
36395	ENSG00000236998		33500.6	-0.02				
36424	ENSG00000250364		33533.3	-0.02				
36439	ENSG00000287291		33553.4	-0.02				
36445	ENSG00000273050		33557.1	-0.02				
36478	ENSG00000141460	GJAS	33567.2	-0.02	1	147228332	147245494	gap junction protein, alpha 5, 40kDa
36485	ENSG00000258552		33586.6	-0.02				
36504	ENSG00000295940		33622.2	-0.02				
36504	ENSG00000250978		33640.6	-0.02				
36574	ENSG00000254480		33681.3	-0.02				
36596	ENSG00000235405		33701.5	-0.02				
36613	ENSG00000233681		33718.5	-0.02				
36618	ENSG000002044604		33728.1	-0.02				
36629	ENSG00000240758		33736.5	-0.02				
36694	ENSG00000233508		33813.2	-0.02				
36702	ENSG00000272817		33818.5	-0.02				
36722	ENSG00000213036		33831.7	-0.02				
36746	ENSG00000204111		33874.2	-0.02				
36776	ENSG00000213942		33886.5	-0.02				
36789	ENSG00000289466		33912.1	-0.02				
36801	ENSG00000151685	ANXA8	33925.2	-0.02	10	47157983	47174093	annexin A8-like 1
36807	ENSG00000220370		33928.7	-0.02				
36815	ENSG00000259093		33933.6	-0.02				
36848	ENSG00000251008		33968.8	-0.02				
36848	ENSG00000220322		33969.7	-0.02				
36851	ENSG00000261040		33982.6	-0.02				
36862	ENSG00000233463		33983.5	-0.02				
36868	ENSG00000263343		33976.6	-0.02				
36940	ENSG000002041544		34060.2	-0.02				
36953	ENSG000002281438		34078.8	-0.02				
36961	ENSG00000287299		34086.5	-0.02				
36967	ENSG00000271133		34092.8	-0.02				
36989	ENSG00000233653		34093.9	-0.02				
36987	ENSG00000235354		34104.6	-0.02				
36998	ENSG00000197148		34118.2	-0.02				
36026	ENSG00000235392		34144.7	-0.02				
36034	ENSG00000233962		34156.5	-0.02				
36051	ENSG00000182811	HIST1H2AJ	34172.5	-0.02	6	27782112	27782607	histone cluster 1, H2aj
36074	ENSG00000220777		34199.9	-0.02				
36085	ENSG00000250274		34202.4	-0.02				
36085	ENSG00000254183		34209.4	-0.02				
36090	ENSG00000265311		34212.6	-0.02				
36094	ENSG00000243481		34213.9	-0.02				
36094	ENSG00000243517		34215.3	-0.02				
36095	ENSG00000235704		34218.7	-0.02				
36131	ENSG00000272067		34226.6	-0.02				
36183	ENSG000002081496		34303.6	-0.02				
36203	ENSG00000196374	HIST1H2BM	34320.2	-0.02	6	27782622	27783267	histone cluster 1, H2bm
36204	ENSG00000208246		34321.6	-0.02				
36220	ENSG000002081759		34340.1	-0.02				
36226	ENSG00000209021		34355.3	-0.02				
36266	ENSG00000213030		34371.5	-0.02				
36282	ENSG00000259045		34384.2	-0.02				
36286	ENSG00000209484		34388.1	-0.02				
36296	ENSG00000252969		34410.8	-0.02				
36320	ENSG00000188384		34434.5	-0.02	15	82751614	82769399	chondroitin sulfate proteoglycan 4 pseudogene 8
36323	ENSG00000262710		34437.4	-0.02				
36336	ENSG00000220465		34459.1	-0.02				
36350	ENSG00000237682		34468.8	-0.02				
36365	ENSG00000186274	HIST1H2AE	34479.5	-0.02	6	26217165	26217171	histone cluster 1, H2ae
36433	ENSG00000232338		34538.3	-0.02				
36437	ENSG00000214325		34543.4	-0.02	18	75728367	75734089	Uncharacterized protein
36440	ENSG00000254148		34544.2	-0.02				
36464	ENSG00000233350		34569.4	-0.02				
36473	ENSG00000236307		34573.5	-0.02				
36505	ENSG00000273106		34601.5	-0.02				
36509	ENSG00000185447		34605.9	-0.02				
36524	ENSG00000223734		34619.7	-0.02				
36528	ENSG00000214016		34625.5	-0.02				
36539	ENSG00000258979		34635.5	-0.02				
36545	ENSG00000281295		34642.4	-0.02				
36549	ENSG00000256873		34646.6	-0.02				
36570	ENSG00000252969		34664.9	-0.02				
36580	ENSG00000230079		34673.2	-0.02				
36581	ENSG00000287512		34674.7	-0.02				
36583	ENSG00000266978		34676.6	-0.02				
36588	ENSG00000258795		34694.2	-0.02				
36614	ENSG00000257718		34718.4	-0.02				
36616	ENSG00000212544	RNU11-19	34719.4	-0.02	1	149514090	149514256	RNA, variant U1 small nuclear 19
36620	ENSG00000251980		34738	-0.02				
36638	ENSG00000264012		34745.3	-0.02				
36666	ENSG00000214652		34795.4	-0.02				
36706	ENSG00000238193		34813.8	-0.02				
36741	ENSG000002081774		34852.5	-0.02				
36753	ENSG00000271330		34865.2	-0.02				
36766	ENSG00000272111		34868.9	-0.02				
36765	ENSG00000247228		34877.1	-0.02				
36782	ENSG00000287328		34903.3	-0.02				
36802	ENSG00000255114		34917.4	-0.02				
36803	ENSG00000226335		34917.5	-0.02				
36854	ENSG00000254844		34987.2	-0.02				
36865	ENSG00000233520		34990.5	-0.02				
36887	ENSG00000269862		35020.9	-0.02				
36929	ENSG00000254708		35054.6	-0.02				
36938	ENSG00000241447		35065.1	-0.02				
36955	ENSG00000253844		35081.8	-0.02				
36983	ENSG00000295139		35100	-0.02				
36988	ENSG00000214915		35105.5	-0.02				
37009	ENSG00000226860		35151.6	-0.02				
37040	ENSG00000224887		35167.2	-0.02				
37045	ENSG00000234645		35170.2	-0.02				
37047	ENSG00000269124		35172	-0.02				

37066	ENSG00000249206		35194 5	-0.02					
37067	ENSG00000249207		35220 3	-0.02					
37107	ENSG00000256184		35229 7	-0.02					
37108	ENSG00000256238		35230 7	-0.02					
37134	ENSG00000144140		35250 9	-0.02					
37138	ENSG00000258518		35254 2	-0.02					
37148	ENSG00000243538		35261 3	-0.02					
37150	ENSG00000265794		35261 5	-0.02					
37153	ENSG00000195458	HIST1H2BH	35261 5	-0.02	6	26251879	26292303		histone cluster 1, H2bh
37168	ENSG00000266638		35261 7	-0.02					
37170	ENSG00000235599		35264 5	-0.02					
37185	ENSG00000242471		35301 9	-0.02					
37187	ENSG00000236328		35303 6	-0.02	2	101183951	101184019		Small nuclear RNA U13
37213	ENSG00000225554		35332 5	-0.02					
37220	ENSG00000219765		35337 2	-0.02					
37228	ENSG00000269038		35345 9	-0.02					
37295	ENSG00000248329		35379 3	-0.02					
37274	ENSG00000228992		35397 4	-0.02					
37275	ENSG00000213468		35398 3	-0.02					
37281	ENSG00000271185		35404 9	-0.02					
37291	ENSG00000231939		35407 9	-0.02					
37301	ENSG00000254339		35421 6	-0.02					
37304	ENSG00000224269		35424 2	-0.02					
37311	ENSG00000219223		35428 5	-0.02					
37324	ENSG00000240521		35443 2	-0.02					
37342	ENSG00000228891		35480 7	-0.02					
37344	ENSG00000224930	LINC01162	35484 7	-0.02	21	46419122	46424642		long intergenic non-protein coding RNA 162
37348	ENSG00000273348		35486 5	-0.02					
37363	ENSG00000198966	HIST1H3A	35475 7	-0.02	6	26225383	26225844		histone cluster 1, H3a
37371	ENSG00000230445		35503 8	-0.02					
37392	ENSG00000258734		35503 8	-0.02					
37400	ENSG00000254815		35513 6	-0.02					
37428	ENSG00000214977		35540	-0.02					
37435	ENSG00000259426		35558	-0.02					
37441	ENSG00000287160		35559 8	-0.02					
37448	ENSG00000236033		35567 8	-0.02					
37451	ENSG00000230013		35570 5	-0.02					
37457	ENSG00000254584		35581 4	-0.02					
37463	ENSG00000219683		35587 5	-0.02					
37466	ENSG00000228649		35591 9	-0.02					
37468	ENSG00000249072		35594 7	-0.02					
37475	ENSG00000218443		35600 2	-0.02					
37491	ENSG00000236981		35615 7	-0.02					
37503	ENSG00000281116		35627 2	-0.02					
37519	ENSG00000198753	HNF1B	35661	-0.02	17	36046436	36105237		HNF1 homeobox B
37528	ENSG00000258952		35693 5	-0.02					
37529	ENSG00000242375		35691 1	-0.02					
37533	ENSG00000259790		35672 3	-0.02					
37545	ENSG00000269651		35686 1	-0.02					
37551	ENSG00000215866		35684	-0.02					
37563	ENSG00000241622		35709 6	-0.02					
37591	ENSG00000234161		35727 9	-0.02					
37618	ENSG00000287124		35757	-0.02					
37623	ENSG00000272023		35759 3	-0.02					
37628	ENSG00000195299	LENG8	35702	-0.02	19	54972981	54974994		leukocyte receptor cluster (LRC) member 9
37638	ENSG00000270581		35774 3	-0.02					
37639	ENSG00000214125		35777 2	-0.02					
37651	ENSG00000230445		35726 4	-0.02					
37664	ENSG00000253346		35808 4	-0.02					
37670	ENSG00000271318		35813 6	-0.02					
37679	ENSG00000238442		35825 1	-0.02					
37685	ENSG00000173737	SRCIN1	35833 5	-0.02	17	36888251	36782183		SRC kinase signaling inhibitor 1
37712	ENSG00000255853		35857	-0.02					
37714	ENSG00000230006		35854 4	-0.02					
37725	ENSG00000219532		35871 9	-0.02					
37733	ENSG00000272399		35878 3	-0.02					
37737	ENSG00000234344		35883 7	-0.02					
37744	ENSG00000281780		35893 6	-0.02					
37753	ENSG00000291889		35903 6	-0.02					
37768	ENSG00000216688		35907 2	-0.02					
37761	ENSG00000280643		35908 1	-0.02					
37767	ENSG00000270607		35918 6	-0.02					
37774	ENSG00000225568		35926 1	-0.02					
37788	ENSG00000289795		35937 9	-0.02					
37786	ENSG00000288366		35939 3	-0.02					
37814	ENSG00000238978		35983 3	-0.02					
37835	ENSG00000273253		35980 9	-0.02					
37836	ENSG00000285393		35982 1	-0.02					
37840	ENSG00000281572		35983 3	-0.02					
37849	ENSG00000289304		35994 8	-0.02					
37851	ENSG00000281113		35995 3	-0.02					
37853	ENSG00000233683		35996 3	-0.02					
37856	ENSG00000281578		35999 8	-0.02					
37883	ENSG00000216802		36028 2	-0.02					
37885	ENSG00000191227		36032 6	-0.02					
37888	ENSG00000272295		36040 8	-0.02					
37895	ENSG00000273496		36043 1	-0.02					
37898	ENSG00000232883		36046	-0.02					
37906	ENSG00000286788		36051 2	-0.02					
37915	ENSG00000241781		36063 3	-0.02					
37921	ENSG00000251949		36069	-0.02	14	101362317	101392388		Small nuclear RNA SNORD112
37927	ENSG00000232116		36076 6	-0.02					
37930	ENSG00000256721		36082 2	-0.02					
37931	ENSG00000289879		36084 5	-0.02					
37935	ENSG00000195108	ANKRD34A	36092	-0.02	1	145470598	145475646		ankyrin repeat domain 34A
37955	ENSG00000255135		36116 5	-0.02					
37971	ENSG00000272629		36130 6	-0.02					
37986	ENSG00000240477		36154 4	-0.02					
37987	ENSG00000271960		36152 6	-0.02					
37990	ENSG00000257307		36152 9	-0.02					
37998	ENSG00000232931		36151 8	-0.02					
38008	ENSG00000244921		36169 1	-0.02					
38009	ENSG00000231440		36170 8	-0.02					
38020	ENSG00000230533		36181 7	-0.02					
38032	ENSG00000198264	TADA2A	36189 5	-0.02	17	35766965	35839835		transcriptional adaptor 2A
38054	ENSG00000257088	PNMAGC	36214 8	-0.02	X	152243996	152245978		paraneoplastic Ma antigen family member 6D (pseudogene)
38066	ENSG00000224072		36221 1	-0.02					
38075	ENSG00000272327		36230	-0.02					
38076	ENSG00000231741		36231	-0.02					
38077	ENSG00000251963		36232 7	-0.02					
38093	ENSG00000215384	BMS1P18	36245 2	-0.02	14	19889386	19904890		BMS1 pseudogene 18
38123	ENSG00000289993		36276	-0.02					
38147	ENSG00000237008		36286 5	-0.02					
38150	ENSG00000253190		36299 9	-0.02					
38197	ENSG00000280924		36304 9	-0.02					
38164	ENSG00000250227		36311 7	-0.02					
38176	ENSG00000266037		36327	-0.02	14	50320336	50320632		RNA_7SL_cytoplasmic_3
38218	ENSG00000153575	TUBGCP5	36372 3	-0.02	15	22833395	22873892		tubulin gamma complex associated protein 5
38228	ENSG00000269781		36391 2	-0.02	7	6522922	6524873		CDNA FLJ20306 fis. clone HEP08811. Putative uncharacterized protein FLJ20306; Uncharacterized protein
38244	ENSG00000272006		36405 4	-0.02					
38245	ENSG00000232019		36405 9	-0.02					
38282	ENSG00000272447		36443 5	-0.02					
38320	ENSG00000280400		36488 9	-0.02					
38324	ENSG00000291969		36491 3	-0.02					
38335	ENSG00000227927		36553 1	-0.02					
38346	ENSG00000283931		36523 9	-0.02					
38347	ENSG00000282176		36526 3	-0.02					
38355	ENSG00000230274		36530	-0.02					
38361	ENSG00000231054		36534 9	-0.02					
38362	ENSG00000232627		36537 2	-0.02					
38369	ENSG00000231784		36541 2	-0.02					
38375	ENSG00000257038		36556 5	-0.02					
38381	ENSG00000228823		36561 1	-0.02					
38383	ENSG00000271912		36561 6	-0.02					
38392	ENSG00000288129		36574 9	-0.02					
38395	ENSG00000283826		36576 6	-0.02					
38426	ENSG00000234946		36518 9	-0.02					
38427	ENSG00000178743		36623 2	-0.02					
38428	ENSG00000225177		36624 1	-0.02					
38477	ENSG00000234115		36625 2	-0.02					
38481	ENSG00000285529		36682 5	-0.02					
38501	ENSG00000259353		36679 7	-0.02					
38504	ENSG00000168863		36681 7	-0.02					
38516	ENSG00000224219		36692 5	-0.02					
38529	ENSG00000231327		36713 5	-0.02					
38536	ENSG00000286171		36719 4	-0.02	4	57276682	57277131		Uncharacterized protein
38549	ENSG00000273066		36731 6	-0.02					
38554	ENSG00000214197		36737 8	-0.02					
38575	ENSG00000281441		36759 9	-0.02					
38618	ENSG00000238762								

38627	ENSG00000259344		36816.4	-0.02					
38632	ENSG00000211709		36819.9	-0.02					
38636	ENSG00000205933		36824.4	-0.02					
38663	ENSG00000201663		36856.6	-0.02					
38668	ENSG00000217424		36858.6	-0.02					
38674	ENSG00000244222		36862.6	-0.02					
38678	ENSG00000244184		36870.4	-0.02					
38679	ENSG00000246541		36870.7	-0.02					
38686	ENSG00000205988		36888.4	-0.02					
38701	ENSG00000270998		36900.4	-0.02					
38746	ENSG00000202018		36946.4	-0.02					
38748	ENSG00000202088		36948.4	-0.02					
38760	ENSG00000203562		36956.6	-0.02					
38802	ENSG00000204624		37009.3	-0.02					
38803	ENSG00000202963	PCDH16	37010.0	-0.02	5	14050980	14056570		protodesmin beta 16
38805	ENSG00000202129		37010.4	-0.02					
38816	ENSG00000206579		37023.3	-0.02					
38868	ENSG00000202715		37090.3	-0.02					
38866	ENSG000002025173		37099.1	-0.02					
38889	ENSG00000217863		37072.7	-0.02					
38873	ENSG00000202208		37028.4	-0.02					
38879	ENSG000002026538		37095.7	-0.02					
38909	ENSG000002023784		37126.3	-0.02					
38934	ENSG000002021627		37152.6	-0.02					
38960	ENSG000002027706		37171.3	-0.02					
38965	ENSG000002024201	PNM6A	37176.1	-0.02	X	15224089	15234084		paraneoplastic MA antigen family member 6A
38978	ENSG000002021596		37203.3	-0.02					
38986	ENSG000002015686		37228.1	-0.02					
38910	ENSG000002021662		37231.3	-0.02					
39012	ENSG000002022083		37246.6	-0.02					
39034	ENSG000002026530	MIR474	37245.6	-0.02	17	3685815	3685884		miR474
39058	ENSG000002023597		37299.7	-0.02					
39065	ENSG000002020441		37277.3	-0.02					
39111	ENSG000002027405		37327.7	-0.02					
39112	ENSG000002027218		37328.3	-0.02					
39128	ENSG000002021718		37328.3	-0.02					
39157	ENSG000002023460	HIST1TH4	37379.2	-0.02	8	26021907	26022278		histone cluster 1, 14a
39243	ENSG000002021122		37460.1	-0.02					
39245	ENSG000002021071		37461.3	-0.02					
39260	ENSG0000020217173		37480.7	-0.02					
39286	ENSG0000020237015		37497.5	-0.02					
39288	ENSG000002020178		37501	-0.02					
39311	ENSG000002023458		37530.1	-0.02					
39380	ENSG000002029953		37605.6	-0.02					
39413	ENSG000002026643		37616.6	-0.02					
39420	ENSG000002023466		37654	-0.02					
39438	ENSG000002023658		37670.1	-0.02					
39447	ENSG000002027250		37678.9	-0.02					
39521	ENSG000002023265		37761.1	-0.02					
39527	ENSG0000020213062		37763.6	-0.02					
39538	ENSG000002025100		37780.2	-0.02					
39568	ENSG000002020388		37810.4	-0.02					
39603	ENSG0000020232098		37838.4	-0.02					
39627	ENSG000002027095		37860.7	-0.02					
39628	ENSG000002020672		37864.2	-0.02					
39632	ENSG000002024738		37866.2	-0.02					
39665	ENSG000002020000		37860.6	-0.02					
39837	ENSG000002021461		38027.8	-0.02	X	151976743	15188308		CSAG family, member 3
39851	ENSG000002021002		38114.7	-0.02					
40220	ENSG000002027346		38517.6	-0.02					
40428	ENSG000002021923	FGD5-AS1	38517.6	-0.02	antisense	3	14861854	14869831	FGD5 antisense RNA 1
39504	ENSG000002028414		34020.4	-0.03	antisense	11	2861365	2862788	KCNQ1 antisense RNA 1
39100	ENSG000002021332		34226.7	-0.03	antisense	6	74079427	74097440	COEY antisense RNA 1
39114	ENSG000002024486	RNLSL1	37090.3	-0.02	incRNA	2	7867139	7869052	RNA, lincRNAs, cytoplasmic 1
39168	ENSG000002025539	TBXAS1	36115.6	-0.03	antisense	12	11484596	11485006	TBX antisense RNA 1
39184	ENSG000002021092		36335.2	-0.03	antisense	14	9599834	9600129	small nuclear RNA, histone gene 10 (non-protein coding)
39114	ENSG000002021092		36335.2	-0.03	antisense	12	9599834	9600129	small nuclear RNA, histone gene 10 (non-protein coding)
39269	ENSG000002025558	CHKB-AS1	37484.7	-0.03	antisense	22	5102455	51022306	CHKB antisense RNA 1 (head to head)
39440	ENSG000002024860	FAM201A	37471.3	-0.03	antisense	9	38620471	38624987	family with sequence similarity 201, member A
39538	ENSG000002020528		37501	-0.02	antisense	7	15079001	15079028	RNA, lincRNAs, cytoplasmic 2
39605	ENSG000002023730	HOXD-AS2	38088	-0.03	antisense	2	17698339	17700128	HOXD cluster antisense RNA 2
39626	ENSG000002021920	NEBL-AS1	38084.4	-0.03	antisense	10	21462943	21463977	NEBL antisense RNA 1
40477	ENSG000002026833	HOTAIR	38097.8	-0.03	incRNA	12	5438092	5438640	HOTAIR transcript antisense RNA
40480	ENSG000002021387	MIR196B	38710.3	-0.03	antisense	7	27202328	27211534	HOXA10 antisense RNA
34603	ENSG000002023982		32776.8	-0.03	IG C_pseudogene	14	10818955	10818984	immunoglobulin heavy constant epsilon P1 (pseudogene)
40223	ENSG000002021700	LIF3-AS1	37191.3	-0.02	antisense	18	1030238	1030420	LIF3 antisense RNA 1 (head to head)
39761	ENSG00000202117	BCAR4	33877.5	-0.03	incRNA	16	11913886	1192270	breast cancer anti-estrogen resistance 4 (non-protein coding)
39456	ENSG000002021233	VTRNA2-1	34557.1	-0.03	incRNA	5	13541610	13541626	vtrt RNA 2-1
39262	ENSG000002021772		36103	-0.03	incRNA	2	11113215	11114219	long intergenic non-protein coding RNA 1108
39269	ENSG000002023508	SNCR41B	36424.3	-0.03	incRNA	20	37053843	37053799	small nuclear RNA, H1ACA box 71B
39173	ENSG000002022202	SNORD3D	36913.9	-0.03	incRNA	17	19015313	19015949	small nuclear RNA, C/D box 3D
39274	ENSG000002024401	MEOX	36922.5	-0.03	incRNA	14	10153248	10153274	multimally expressed F (non-protein coding)
39890	ENSG000002028900	RMRP	37193.2	-0.03	incRNA	9	3565748	35658015	RNA component of mitochondrial RNA processing endoribonuclease
39888	ENSG000002021381	LINC2005B	37208.4	-0.03	incRNA	11	12984057	13011095	long intergenic non-protein coding RNA 958
39332	ENSG000002023479	MNK1-AS1	37354.2	-0.03	incRNA	7	16961249	16969120	MNK1 antisense RNA 1 (head to head)
39374	ENSG000002027265	CASP-AS2	37902.9	-0.03	incRNA	13	11509141	11549690	CASP antisense RNA 2 (head to head)
39481	ENSG000002021511		37712.7	-0.03	incRNA	15	25277020	25281637	Prader-Willi/Angelman region RNA 6
39986	ENSG000002023537	LINC20072	38289.6	-0.03	incRNA	6	12064047	12130477	long intergenic non-protein coding RNA 472
40054	ENSG000002021443	FGF14-AS2	38322.3	-0.03	incRNA	13	10304980	10304933	FGF14 antisense RNA 2
40321	ENSG0000020276873	YTHDF3-AS1	38612.3	-0.03	incRNA	8	64808284	64808101	YTHDF3 antisense RNA 1 (head to head)
40331	ENSG000002026337	LINC2102	38610.6	-0.03	incRNA	5	6142399	2749808	long intergenic non-protein coding RNA 1021
40742	ENSG000002024516	MIR4584HG	38598.8	-0.03	incRNA	5	845305	845305	MIR4584 host gene (non-protein coding)
41027	ENSG00000197308	GATAT3-AS1	39381	-0.03	incRNA	10	8058413	8058417	GATAT3 antisense RNA 1
31284	ENSG000002028780	MIR4446-1	29501.2	-0.03	miRNA	3	7268267	7268370	miR4446-1
39560	ENSG00000198976	MIR429	34018.3	-0.03	miRNA	3	1194385	1194467	miR429
37018	ENSG000002027611	MIR149	35140.7	-0.03	miRNA	2	24138518	24139506	miR429
39134	ENSG000002027779	MIR198	36287.9	-0.03	miRNA	3	18012278	18012273	miR429
39386	ENSG000002021726	MIR206B	36720	-0.03	miRNA	1	1102484	1102578	miR429
39500	ENSG000002023848		36776.5	-0.03	miRNA	6	27599188	27599111	transfer RNA isoleucine 6 (anticodon IUAU)
39768	ENSG000002024963	MIR3687	36030.6	-0.03	miRNA	21	9626203	9626203	miR429
39800	ENSG000002021795	MIR512	36012.7	-0.03	miRNA	17	1923262	1923274	miR429
40047	ENSG000002027639	MIR33B	38121.2	-0.03	miRNA	17	17717450	17717425	miR429
40146	ENSG000002021394	MIR1229	38441.8	-0.03	miRNA	5	17922578	17922546	miR429
40702	ENSG000002026527	MIR4479	38610	-0.03	miRNA	14	13871105	13871015	miR429
39459	ENSG000002025216	RYN4	31648.3	-0.03	misc. RNA	7	14860407	14860502	RNA, Ro-associated Y4
39699	ENSG000002021988	RYN1	33876.1	-0.03	misc. RNA	7	14864228	14864340	RNA, Ro-associated Y1
39419	ENSG00000202111	VTRNA1-2	36912.7	-0.03	misc. RNA	5	14009185	14009188	vtrt RNA 1.2
39225	ENSG000002023426		38193.4	-0.03	misc. RNA	6	2884522	2884547	RNA, TSL, cytoplasmic 471, pseudogene
23444	ENSG000002029838		22681.1	-0.03	processed_pseudogene	3	18515283	18513688	ribosomal protein L4 pseudogene 4
24378	ENSG000002027663		23469	-0.03	processed_pseudogene	20	13218968	13218964	ribosomal protein L10a pseudogene 1
25406	ENSG000002024933		24330.6	-0.03	processed_pseudogene	5	9301854	9301973	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 27
26638	ENSG000002025272		25351.1	-0.03	processed_pseudogene	6	16999912	16999985	family with sequence similarity 103, member A2 pseudogene
26748	ENSG000002023070		25440	-0.03	processed_pseudogene	19	5571699	5571699	small nuclear ribonucleoprotein polypyriminic E pseudogene 4
27614	ENSG00000177655		26169.4	-0.03	processed_pseudogene	2	18447170	184472847	catalysin binding protein pseudogene 2
27812	ENSG000002021423		26431.9	-0.03	processed_pseudogene	19	11776884	11777485	heterogeneous nuclear ribonucleoprotein A1 pseudogene 10
27931	ENSG000002021533		26449.8	-0.03	processed_pseudogene	20	2114268	2114268	ribosomal protein S13a pseudogene 1
28169	ENSG000002023758		26572.3	-0.03	processed_pseudogene	2	23159858	23159011	barrier to autoligation factor 1 pseudogene 3
28201	ENSG000002024036		26761	-0.03	processed_pseudogene	4	77880013	77880222	ribonuclease pseudogene 6
28348	ENSG000002021089		26833.3	-0.03	processed_pseudogene	4	16588449	16588369	NACA family member 3 pseudogene
28588	ENSG000002025105		27062.4	-0.03	processed_pseudogene	13	47064997	47065397	COX11 cytochrome c oxidase copper chaperone pseudogene 1
28714	ENSG000002026182		27188.5	-0.03	processed_pseudogene	16	4811815	4811329	SUB1 pseudogene 3
29331	ENSG000002021549		27913.8	-0.03	processed_pseudogene	X	7393025	7393025	ribosomal protein S19 pseudogene 1
29816	ENSG0000020213371		28194.7	-0.03	processed_pseudogene	3	120524113		

37486	ENSG00000183018	SPNS2	35614.6	-0.03	protein_coding	17	4402133	4442330	spinster homolog 2 (Drosophila)
37504	ENSG00000141470	TNRC7	35615.3	-0.03	protein_coding	20	4443133	4443234	tropin-3
37508	ENSG00000156509	FBOX43	35633	-0.03	protein_coding	8	101145588	101158028	F-box protein 43
37509	ENSG00000188747	NFKX1	35635.3	-0.03	protein_coding	9	140371802	140328588	NADPH oxidase activator 1
37511	ENSG00000172995	ARFIP1	35647.4	-0.03	protein_coding	3	5558327	5558368	GMP-regulated phosphoprotein, 21kDa
37518	ENSG00000153115	RS22C2	35643.1	-0.03	protein_coding	3	156931683	156930991	interferon β 1-mutated nucleoside diphosphate 205kDa like 2
37524	ENSG00000107282	ARPA1	35656.1	-0.03	protein_coding	9	72042448	72027222	amyloid beta (A4)-precursor protein-binding family A, member 1
37523	ENSG00000106146	SOX10	35671.9	-0.03	protein_coding	22	38036955	38036429	SRY (sex determining region Y) box 10
37543	ENSG00000044540	MLN	35687.2	-0.03	protein_coding	7	73442119	73442257	elastin
37548	ENSG000001947616	MTRX	35694.4	-0.03	protein_coding	14	23851198	23871486	myosin heavy chain 6, cardiac muscle, alpha
37554	ENSG00000154838	RAB17	35698.2	-0.03	protein_coding	11	23842689	23850759	RAB17, member RAS oncogene family
37558	ENSG00000146609	NOM1	35702.5	-0.03	protein_coding	7	156742417	15675876	nucleolar protein with MIF4G domain 1
37562	ENSG00000154896	APCDD1	35706.9	-0.03	protein_coding	18	10454425	10488495	adenomatous polyposis coli down-regulated 1
37568	ENSG00000102497	PACSIN1	35719	-0.03	protein_coding	8	34433916	34520608	protein kinase C and casein kinase substrate in neurons 1
37578	ENSG00000112273	HDFGL1	35720.9	-0.03	protein_coding	6	22529878	22571892	hepatoma derived growth factor-like 1
37583	ENSG00000134121	CHL1	35724.9	-0.03	protein_coding	3	232719	431090	cell adhesion molecule L1-like
37589	ENSG00000101935	BHLHA15	35732.5	-0.03	protein_coding	7	97840739	97842291	basic helix-loop-helix family, member a15
37608	ENSG00000082213	Cser22	35746.5	-0.03	protein_coding	5	31532373	31555165	chromosome 5 open reading frame 22
37613	ENSG00000146223	CYPRX1	35750.6	-0.03	protein_coding	6	46517541	46620253	cytochrome P450, family 39, subfamily A, polypeptide 1
37615	ENSG00000105464	GAPR11	35752.5	-0.03	protein_coding	15	2052939	2054705	GJA binding protein transcription factor, beta subunit 1
37620	ENSG00000118271	TR	35758	-0.03	protein_coding	18	29171689	29178874	transferrin
37625	ENSG00000270181	BVM-ERC5C	35762.6	-0.03	protein_coding	13	103459704	103524748	BVM-ERC5C readthrough
37648	ENSG00000106988	TCF27	35791	-0.03	protein_coding	2	3265399	32683181	transcriptional repeat domain 27
37658	ENSG00000164168	TMEM184C	35802.1	-0.03	protein_coding	4	14858354	14859315	transmembrane protein, 184C
37659	ENSG00000185955	EMX1	35802.1	-0.03	protein_coding	7	10250567	10524122	EF-hand calcium binding domain 10
37662	ENSG00000195784	PACSIN2	35804.7	-0.03	protein_coding	7	14303465	143039883	family with sequence similarity 151, member B
37667	ENSG00000165209	STBP	35810.5	-0.03	protein_coding	9	125871779	126030855	spermatid calcium RNA binding protein
37668	ENSG00000136838	EMX2	35812.1	-0.03	protein_coding	2	7314389	73148200	emery spiracles homeobox 1
37674	ENSG00000196923	CTHRC2	35820.6	-0.03	protein_coding	11	7523668	75236822	chromatid elongation factor 2
37680	ENSG00000158516	CPA2	35824.7	-0.03	protein_coding	7	12995938	12995938	carboxypeptidase A2 (pancreatic)
37688	ENSG00000204713	LOC285558	35836.1	-0.03	protein_coding	4	100557868	100575905	Protein, LOC285558
37688	ENSG00000169666	CTHRC2	35836.1	-0.03	protein_coding	11	14021380	14021380	DENMAD3 domain containing 2A
37717	ENSG00000175600	SUGCT	35865.7	-0.03	protein_coding	7	40174575	40900362	succinyl-CoA ligaturase-CoA transferase
37719	ENSG00000117481	NSLUN4	35867.2	-0.03	protein_coding	1	4685849	46858304	NOP2(Sun domain family, member 4)
37723	ENSG00000192225	MTRX	35868.1	-0.03	protein_coding	11	3552030	3552030	myosin heavy chain 7b, cardiac muscle, beta
37730	ENSG00000137357	MRI7	35875	-0.03	protein_coding	19	13875346	13885006	myofibrin/bronchus-1 phosphatase isomerase 1
37732	ENSG00000126052	KDR	35877.6	-0.03	protein_coding	4	5944444	5991756	kinase insert domain receptor (a type II receptor tyrosine kinase)
37742	ENSG00000105684	ZNF383	35878.8	-0.03	protein_coding	19	453119	453119	zinc finger protein 383
37743	ENSG00000177854	TMEM187	35893.3	-0.03	protein_coding	X	15323778	15324948	transmembrane protein 187
37745	ENSG00000202883	ERVPER3L1	35895.3	-0.03	protein_coding	4	53589785	53817807	endogenous retrovirus group MERV3, member 1
37745	ENSG00000105078	SLC12A5	35911.4	-0.03	protein_coding	11	22641384	22641384	solute carrier family 12 (potassium/chloride transporter), member 14
37768	ENSG00000175943	RM2	35916.5	-0.03	protein_coding	16	11343746	11446819	RecD mediated genome instability 2
37770	ENSG00000114446	ITF37	35924.4	-0.03	protein_coding	3	107879659	10784117	intraflagellar transport 57 homolog (Chlamydomonas)
37773	ENSG00000185077	NRH1	35925.4	-0.03	protein_coding	17	7619339	7620762	glyoxylamide oxidase
37777	ENSG00000190623	NUDT17	35926.7	-0.03	protein_coding	17	7775817	7785105	nucleoside diphosphate linked moiety X-type motif 7
37786	ENSG00000178967	UBE2D4	35935.9	-0.03	protein_coding	7	43966037	43966735	ubiquitin-conjugating enzyme E2D 4 (putative)
37787	ENSG00000205844	MTAP	35937.6	-0.03	protein_coding	14	7013369	7088301	STN2BP-COX16 readthrough
37793	ENSG00000198110	AKMT7	35940.6	-0.03	protein_coding	16	21862542	21901446	methyltransferase phosphatase
37798	ENSG00000113578	FGF1	35944.5	-0.03	protein_coding	5	14197143	14207817	fibroblast growth factor 1 (acidic)
37803	ENSG00000120449	AKMT7	35949.8	-0.03	protein_coding	17	31100447	31126360	aromatic residue containing 7
37804	ENSG00000192035	UBE2E3	35950.9	-0.03	protein_coding	15	818181975	818184132	ubiquitin-conjugating enzyme E2E 3
37810	ENSG00000120049	KCNIP2	35958	-0.03	protein_coding	10	103585731	103608777	Kv channel interacting protein 2
37813	ENSG00000145884	GABRR2	35963.6	-0.03	protein_coding	5	160715436	160707059	gamma-aminobutyric acid (GABA) A receptor, beta 2
37815	ENSG00000169818	FMX1B	35963.6	-0.03	protein_coding	15	68851041	68851041	formyltransferase (C, class)
37824	ENSG00000182240	BACE2	35972.9	-0.03	protein_coding	21	42539728	42584445	Kv channel interacting protein 2
37827	ENSG00000194246	PC1K3	35974.4	-0.03	protein_coding	1	7844380	7895237	beta site APP cleaving enzyme 2
37828	ENSG00000185745	CTHRC7	35978.1	-0.03	protein_coding	11	10260286	10260286	chromatid elongation factor 7
37830	ENSG00000129152	MVOD1	35978.3	-0.03	protein_coding	11	17741115	17743878	myogenic differentiation 1
37832	ENSG00000118804	STBD1	35979.3	-0.03	protein_coding	4	7717886	7723752	

38204	ENSG00000133200	MTHV	36360	-0.03	protein_coding	17	10293639	10325267	myosin, heavy chain 8, skeletal muscle, perinatal
38205	ENSG00000134431	CCNU	36360	-0.03	protein_coding	10	9783627	9783627	actin 2
38217	ENSG00000168446	AKXN2	36371	-0.03	protein_coding	17	63524681	63557765	myosin (myosin factor 4)
38221	ENSG00000122180	MYO9	36374	-0.03	protein_coding	1	203052260	203055164	ring finger protein 180
38224	ENSG00000194191	RNF180	36382	-0.03	protein_coding	5	6346167	63466966	pleckstrin-180CZ domain containing
38226	ENSG00000105913	KFSZ	36383	-0.03	protein_coding	10	104192376	104192376	FEZ family zinc finger 2
38229	ENSG00000153296	FEZF2	36391	-0.03	protein_coding	3	62355356	62359999	arsenic (+3 oxidation state) methyltransferase
38242	ENSG00000144425	ASPMT	36402	-0.03	protein_coding	10	104626273	104661656	metabona antigen family 0.4
38245	ENSG00000144425	MAREKB	36402	-0.03	protein_coding	6	51957919	51958364	RMA binding motif protein 11
38252	ENSG00000185272	RBM11	36409	-0.03	protein_coding	21	15584851	15584851	preyl (degenerin) dihydrogase, subunit 2
38255	ENSG00000184444	POSS2	36411	-0.03	protein_coding	6	107473701	107476748	ADAM metalloprotein with thrombospondin type 1 motif, 12
38260	ENSG00000191388	ADM112	36412	-0.03	protein_coding	19	83562669	83562669	letmur lysine kinase 3
38268	ENSG00000142226	LMTK3	36413	-0.03	protein_coding	19	48988526	48984166	immunoglobulin superfamily, member 11
38260	ENSG00000144447	IGSF11	36413	-0.03	protein_coding	3	118619404	118649415	KIAA1199
38263	ENSG00000191488	KIAA1199	36413	-0.03	protein_coding	15	81021688	81024117	leucine rich repeat containing 38
38268	ENSG00000162494	LRRRC38	36423	-0.03	protein_coding	1	118619404	118649415	early B cell factor 4
38267	ENSG00000088881	EBF4	36423	-0.03	protein_coding	20	2673524	2740783	chromosome 2 open reading frame 76
38268	ENSG00000191136	C2orf166	36424	-0.03	protein_coding	2	32009461	32012404	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha
38292	ENSG00000109819	PPARGCIA	36455	-0.03	protein_coding	4	23756664	23905712	secreted frizzled-related protein 5
38297	ENSG00000120057	SFRP5	36457	-0.03	protein_coding	10	99529508	99531709	prostaglandin G/H synthase 2-like (trans)
38298	ENSG00000107171	LYRM4	36470	-0.03	protein_coding	6	13917156	13917699	LYRM motif containing 4
38309	ENSG00000141113	FANCD2	36475	-0.03	protein_coding	3	10068998	10143614	Fancor1 anemina, complementation group D2
38310	ENSG00000191506	IL13BP1	36481	-0.03	protein_coding	X	2965165	29674840	interleukin 1 receptor accessory protein-like 1
38317	ENSG00000181544	FANCB	36482	-0.03	protein_coding	X	14861529	14861191	Fancor1 anemina, complementation group B
38318	ENSG00000196284	SUP3H1	36486	-0.03	protein_coding	6	4477054	45345690	suppressor of Ty 3 homolog (S. cerevisiae)
38320	ENSG00000191293	SYNGAP1	36489	-0.03	protein_coding	8	33327467	33327466	synapticless GTPase activating protein 1
38326	ENSG00000111584	SLC48A1	36491	-0.03	protein_coding	12	48147899	48178536	solute carrier family 48 (solute transporter), member 1
38327	ENSG00000186222	P1Ter58	36492	-0.03	protein_coding	11	854855	860779	chromosome 11 open reading frame 35
38328	ENSG00000191846	CHAC1	36493	-0.03	protein_coding	11	713140	7233660	aberrant surface-associated protein 1
38330	ENSG00000091456	PHACTR3	36496	-0.03	protein_coding	20	58152564	58427566	phosphatase and actin regulator 3
38332	ENSG00000191807	FAM162B	36499	-0.03	protein_coding	6	117073363	117089886	family with sequence similarity 162, member B
38333	ENSG00000101111	PCP4	36500	-0.03	protein_coding	22	3661256	3661256	patatin-derived protein factor beta polypeptide
38341	ENSG00000191918	GUCY1B3	36511	-0.03	protein_coding	4	15660144	15672943	guanylate cyclase 1 soluble, beta 3
38342	ENSG00000184445	KMT1C1	36515	-0.03	protein_coding	12	123011793	123110943	methechase associated 1
38348	ENSG00000181752	ELKS3	36520	-0.03	protein_coding	3	5554369	5554369	ELKS3/active zone protein family member 2
38350	ENSG00000110211	CLCN6	36528	-0.03	protein_coding	1	11866207	11903201	chloride channel, voltage-sensitive 6
38357	ENSG00000202159	PCDHG12	36533	-0.03	protein_coding	5	140810185	140862546	protocadherin gamma subfamily A, 12
38364	ENSG00000191691	PCP4	36533	-0.03	protein_coding	13	254410	254410	nucleosome assembly protein 2
38368	ENSG00000177432	NAP1L5	36542	-0.03	protein_coding	4	89617086	89619386	nucleosome assembly protein 1-like 5
38374	ENSG00000139528	TRPM4	36551	-0.03	protein_coding	19	49669968	49715993	transient receptor potential cation channel, subfamily M, member 4
38380	ENSG00000191793	YFSA1	36553	-0.03	protein_coding	9	5741167	5741167	ytpe-like 4 (Drosophila)
38384	ENSG00000182967	NTM	36562	-0.03	protein_coding	11	13124073	13220671	neurotrophin
38388	ENSG00000111432	FZD10	36570	-0.03	protein_coding	12	13064700	13065028	fizzled family receptor 10
38389	ENSG00000186668	MIR508	36581	-0.03	protein_coding	20	2681467	2681467	mitochondrial antiviral signaling protein
38402	ENSG00000177174	ANCS	36585	-0.03	protein_coding	11	2214722	2234903	ancortin 5
38405	ENSG00000102981	PARD6A	36592	-0.03	protein_coding	16	67948449	6796681	par6 family cell polarity regulator alpha
38409	ENSG00000191778	SERP2	36595	-0.03	protein_coding	13	44947801	44971850	stress-associated endoplasmic reticulum protein family member 2
38415	ENSG00000100621	SLIT1P1	36598	-0.03	protein_coding	10	74275647	74281000	slitrotonin (EPH2) like 1
38433	ENSG00000120324	PCDH10	36627	-0.03	protein_coding	5	140571942	140572152	protocadherin beta 10
38435	ENSG00000191693	ALKBH8	36628	-0.03	protein_coding	7	102066958	102105243	alkB, avian beta ornithine homology 4 (E. coli)
38440	ENSG00000191470	SH3A1	36630	-0.03	protein_coding	16	48392075	48432113	shank 3/SH3 domain protein ligase 1
38443	ENSG00000165055	METTL2B	36634	-0.03	protein_coding	7	128116783	128144656	methyltransferase like 2B
38444	ENSG00000191480	GPER1	36634	-0.03	protein_coding	7	1121884	1133441	G protein-coupled estrogen receptor 1
38445	ENSG0000014317	YEATS2	36639	-0.03	protein_coding	3	17669138	17669138	YEATS domain containing 2
38448	ENSG00000163872	YEATS2	36639	-0.03	protein_coding	3	183415606	183530413	YEATS domain containing 2
38454	ENSG00000191774	EME2	36642	-0.03	protein_coding	16	1825208	1831709	essential meiotic structure-specific endonuclease subunit 2
38457	ENSG00000191689	YEATS1	36642	-0.03	protein_coding	16	37764981	37764981	essential meiotic structure-specific endonuclease subunit 2
38459	ENSG0000017516	BAIAP3	36646	-0.03	protein_coding	16	1383602	1394949	BAI1-associated protein 3
38460	ENSG00000163836	ADAMT9	36647	-0.03	protein_coding	3	64501333	64673876	ADAM metalloprotein with thrombospondin type 1 motif, 9
38463	ENSG00000191346	YFSA1	36647	-0.03	protein_coding	9	5741167	5741167	ytpe transposable element derived 2
38470	ENSG00000184678	HIST2H2BE	36659	-0.03	protein_coding	1	14985610	14985632	histone cluster 2, H2be
38471	ENSG00000164989	ETNPP1	36657	-0.03	protein_coding	4	10965136	10966482	ethanolamine-phosphate phospho-lyase
38473	ENSG00000191798	F0C1H7	36658	-0.03	protein_coding	20	22961183	22974454	histone cluster 1, H0
38480	ENSG00000191944	C10orf40	36664	-0.03	protein_coding	19	33463115	33469128	chromosome 10 open reading frame 40
38483	ENSG00000124593	PRICKLE4	36681	-0.03	protein_coding	6	41748087	41759719	prickle homolog 4 (Drosophila)
38485	ENSG0000017600	PLNIP1	36682	-0.03	protein_coding	6	9927609	9927609	Lipid phosphate phosphatase-related protein type 4
38486	ENSG00000191701	PLNIP1P1	36687	-0.03	protein_coding	10	118348997	118368867	pancreatic lipase-related protein 1
38489	ENSG00000191488	SLC17A7	36687	-0.03	protein_coding	19	49912656	49945417	solute carrier family 17 (vesicular glutamate transporter), member 7
38493	ENSG00000191705	SLC17A7	36687	-0.03	protein_coding	19	49912656	49945417	solute carrier family 17 (vesicular glutamate transporter), member 7
38496	ENSG00000168623	MESP1	36688	-0.03	protein_coding	15	9029185	9029185	mesoderm posterior 1 homolog (mouse)
38497	ENSG00000191774	EME2	36682	-0.03	protein_coding	16	1825208	1831709	essential meiotic structure-specific endonuclease subunit 2
38498	ENSG00000191689	YEATS1	36642	-0.03	protein_coding	16	37764981	37764981	essential meiotic structure-specific endonuclease subunit 2
38499	ENSG0000017516	BAIAP3	36646	-0.03	protein_coding	16	1383602	1394949	BAI1-associated protein 3
38500	ENSG00000163836	ADAMT9	36647	-0.03	protein_coding	3	64501333	64673876	ADAM metalloprotein with thrombospondin type 1 motif, 9
38501	ENSG00000191346	YFSA1	36647	-0.03	protein_coding	9	5741167	5741167	ytpe transposable element derived 2
38502	ENSG00000184678	HIST2H2BE	36659	-0.03	protein_coding	1	14985610	14985632	histone cluster 2, H2be
38503	ENSG00000164989	ETNPP1	36657	-0.03	protein_coding	4	10965136	10966482	ethanolamine-phosphate phospho-lyase
38504	ENSG00000191798	F0C1H7	36658	-0.03	protein_coding	20	22961183	22974454	histone cluster 1, H0
38505	ENSG00000191944	C10orf40	36664	-0.03	protein_coding	19	33463115	33469128	chromosome 10 open reading frame 40
38506	ENSG00000124593	PRICKLE4	36681	-0.03	protein_coding	6	41748087	41759719	prickle homolog 4 (Drosophila)
38507	ENSG0000017600	PLNIP1	36682	-0.03	protein_coding	6	9927609	9927609	Lipid phosphate phosphatase-related protein type 4
38508	ENSG00000191701	PLNIP1P1	36687	-0.03	protein_coding	10	118348997	118368867	pancreatic lipase-related protein 1
38509	ENSG00000191488	SLC17A7	36687	-0.03	protein_coding	19	49912656	49945417	solute carrier family 17 (vesicular glutamate transporter), member 7
38510	ENSG00000191705	SLC17A7	36687	-0.03	protein_coding	19	49912656	49945417	solute carrier family 17 (vesicular glutamate transporter), member 7
38512	ENSG00000191701	PLNIP1P1	36687	-0.03	protein_coding	10	118348997	118368867	pancreatic lipase-related protein 1
38513	ENSG00000191488	SLC17A7	36687	-0.03	protein_coding	19	49912656	49945417	solute carrier family 17 (vesicular glutamate transporter), member 7
38514	ENSG00000191705	SLC17A7	36687	-0.03	protein_coding	19	49912656	49945417	solute carrier family 17 (vesicular glutamate transporter), member 7
38516	ENSG00000168623	MESP1	36688	-0.03	protein_coding	15	9029185	9029185	mesoderm posterior 1 homolog (mouse)
38517	ENSG00000191774	EME2	36682	-0.03	protein_coding	16	1825208	1831709	essential meiotic structure-specific endonuclease subunit 2
38518	ENSG00000191689	YEATS1	36642	-0.03	protein_coding	16	37764981	37764981	essential meiotic structure-specific endonuclease subunit 2
38519	ENSG0000017516	BAIAP3	36646	-0.03	protein_coding	16	1383602	1394949	BAI1-associated protein 3
38520	ENSG00000163836	ADAMT9	36647	-0.03	protein_coding	3	64501333	64673876	ADAM metalloprotein with thrombospondin type 1 motif, 9
38521	ENSG00000191346	YFSA1	36647	-0.03	protein_coding	9	5741167	5741167	ytpe transposable element derived 2
38522	ENSG00000184678	HIST2H2BE	36659	-0.03	protein_coding	1	14985610	14985632	histone cluster 2, H2be
38523	ENSG00000164989	ETNPP1	36657	-0.03	protein_coding	4	10965136	10966482	ethanolamine-phosphate phospho-lyase

39598	ENSG00000200740	ARHGAP44	37744	-0.03	protein_coding	17	12992856	12994960	Rho GTPase activating protein 44
39599	ENSG00000200514	ZNF489	37745	-0.03	protein_coding	16	8847166	8847166	zinc finger protein 489
39620	ENSG00000121570	DPPA4	37758	-0.03	protein_coding	3	19004498	19005619	developmental pluripotency associated 4
39624	ENSG00000148228	WDR31	37762	-0.03	protein_coding	9	11607502	11610278	WD repeat domain 31
39625	ENSG00000112218	GPM1	37762	-0.03	protein_coding	6	9724202	9726353	G protein-coupled receptor 63
39628	ENSG00000186158	TYAP	37764	-0.03	protein_coding	2	8384157	8384157	TYAP domain containing 9
39630	ENSG00000115283	GCS	37767	-0.03	protein_coding	2	16299392	16300914	glucagon
39633	ENSG00000186274	ELAVL4	37771	-0.03	protein_coding	2	5051396	5069468	ELAV like neuron-specific RNA binding protein 4
39634	ENSG0000012498	IL13RA2	37776	-0.03	protein_coding	X	11423838	11423838	interleukin 13 receptor, alpha 2
39640	ENSG00000214193	SH3BP2	37781	-0.03	protein_coding	1	3877188	3879084	SH3 domain containing 21
39643	ENSG00000157168	NRG1	37783	-0.03	protein_coding	8	3149892	3622248	neuregulin 1
39644	ENSG00000153581	TMEM8	37784	-0.03	protein_coding	2	897349	897349	transmembrane protein 8
39647	ENSG00000152154	TMEM178A	37786	-0.03	protein_coding	2	39892122	39894503	transmembrane protein 178A
39651	ENSG00000102287	GABRE	37790	-0.03	protein_coding	X	15112198	15114352	gamma-aminobutyric acid (GABA) A receptor, epsilon
39652	ENSG00000103689	CHCHD1	37790	-0.03	protein_coding	14	5792929	5792929	chromosome 14 open reading frame 105
39657	ENSG00000107859	PTX3	37798	-0.03	protein_coding	10	10398943	10400231	paired-like homeodomain 3
39658	ENSG00000000137	CYP28B1	37799	-0.03	protein_coding	2	7235837	7235837	cytochrome P450, family 2B, subfamily B, polypeptide 1
39660	ENSG00000159166	RHRH1	37802	-0.03	protein_coding	8	14445107	14446930	rhoGDI, Rho GTPase binding protein 1
39661	ENSG00000200190	FAM200A	37803	-0.03	protein_coding	7	9914931	9915619	family with sequence similarity 200, member A
39664	ENSG00000160973	FOXH1	37804	-0.03	protein_coding	8	14568795	14570174	forkhead box H1
39667	ENSG00000121523	MYO7	37804	-0.03	protein_coding	2	67352	67352	myosin, light chain 5, regulatory
39670	ENSG00000185808	PIGP	37810	-0.03	protein_coding	21	3843140	3844540	phosphatidylinositol glycan anchor biosynthesis, class P
39674	ENSG00000106701	FSD1L	37815	-0.03	protein_coding	9	10821077	10831474	fibronectin type III and SPRY domain containing 1-like
39676	ENSG00000124035	HIST1H2BI	37816	-0.03	protein_coding	8	2708376	2710354	histone cluster 1, H2b
39678	ENSG000000087484	PTHLH	37817	-0.03	protein_coding	12	2811017	2812638	parathyroid hormone-like hormone
39679	ENSG00000248979	FSD1	37817	-0.03	protein_coding	4	18632670	18633914	Uncategorized protein
39685	ENSG00000189693	SI C8A10	37827	-0.03	protein_coding	2	59640701	59640701	solute carrier family 8 (ion transporter), member 10
39693	ENSG00000131271	RHOXF2	37830	-0.03	protein_coding	X	11928467	11929745	RhoX homeobox family, member 2
39698	ENSG00000139220	PP1A2	37833	-0.03	protein_coding	12	81652405	82153332	protein tyrosine phosphatase, receptor type, F polypeptide (PTPRF), interacting protein (Ippin), alpha 2
39698	ENSG00000198846	NCO6	37842	-0.03	protein_coding	20	33284722	33413452	nuclear receptor coactivator 6
39698	ENSG00000179943	FZ1	37862	-0.03	protein_coding	19	58102746	58113336	FL3-interacting zinc finger 1
39698	ENSG00000111023	TRMT10B	37863	-0.03	protein_coding	8	2901307	2901307	5S rRNA methyltransferase 10 homolog B (S. cerevisiae)
39697	ENSG00000103111	FERM11	37869	-0.03	protein_coding	20	605492	6104191	fermin family member 1
39698	ENSG00000070495	JMJD6	37870	-0.03	protein_coding	7	7470819	7472966	lysine domain containing 6
39684	ENSG00000103981	ASPM	37870	-0.03	protein_coding	17	7963103	7963103	alveolar soft part sarcoma chromosome region, candidate 1
39696	ENSG00000079482	OPHN1	37874	-0.03	protein_coding	X	87262186	87265755	oligophrenin 1
39698	ENSG00000195140	ADAMTS3	37900	-0.03	protein_coding	4	7314688	7345435	ADAM metalloproteinase with thrombospondin type 1 motif, 3
39698	ENSG00000105174	ADAMTS1	37903	-0.03	protein_coding	3	549203	549203	ADAMTS family member 1
39697	ENSG00000175993	SPSB4	37903	-0.03	protein_coding	3	14077024	140887453	spArylodin receptor domain and SCDS box containing 4
39673	ENSG00000200419	CT83	37920	-0.03	protein_coding	X	11559249	11559484	carcinoembryonic antigen B3
39673	ENSG00000164916	FOXP2	37923	-0.03	protein_coding	8	488126	488126	forkhead box P2
39680	ENSG00000106992	FXTN	37927	-0.03	protein_coding	9	10832041	10840396	frataxin
39683	ENSG00000150627	WDR17	37930	-0.03	protein_coding	4	17898985	17710378	WD repeat domain 17
39688	ENSG00000189502	KIF18B	37939	-0.03	protein_coding	17	6006797	6002164	kif-18 family member 11
39697	ENSG0000010496	ZMYND8	37941	-0.03	protein_coding	20	4381768	4381768	zinc finger, MYND type containing 8
39698	ENSG00000198492	YTHDF2	37943	-0.03	protein_coding	1	2906313	2906287	YTH domain family, member 2
39702	ENSG00000185913	IFT122	37944	-0.03	protein_coding	3	12915998	12920191	intraflagellar transport 122 homolog (Chlamydomonas)
39703	ENSG0000011143	MTOR11B	37944	-0.03	protein_coding	3	6626203	6626203	mechanistic target of rapamycin, type 1
39708	ENSG00000164742	ADCY1	37948	-0.03	protein_coding	7	45613739	45762715	adenylyl cyclase 1 (brain)
39707	ENSG00000141750	STAC2	37949	-0.03	protein_coding	17	3746789	37392125	SH3 and cysteine rich domain 2
39719	ENSG00000187622	MUM1L1	37950	-0.03	protein_coding	10	10841228	10841228	metastasis associated protein (mutated) 1-like 1
39723	ENSG00000115042	FAMHD2	37962	-0.03	protein_coding	2	9608469	9608364	fumarylacetoacetate hydrolase domain containing 2A
39720	ENSG00000172277	SYT12	37966	-0.03	protein_coding	2	86774249	86618334	synaptobrevin XII
39721	ENSG00000200274	MTOR11A	37967	-0.03	protein_coding	11	2446103	2577219	mechanistic target of rapamycin
39748	ENSG00000188130	HIST1H2BL	37995	-0.03	protein_coding	6	27775257	27775709	histone cluster 1, H2b
39750	ENSG0000017842	ZNRK2	37995	-0.03	protein_coding	3	4054748	40590227	zinc finger protein 620
39756	ENSG00000189890	PORY1	38019	-0.03	protein_coding	8	15265748	15265748	purinergic receptor, P2Y, protein coupled, 1
39763	ENSG00000176076	KONE1L	38020	-0.03	protein_coding	X	10888629	10888933	IKCNE-like
39767	ENSG00000108760	PTGESL	38028	-0.03	protein_coding	17	4112105	4113245	prostaglandin synthase 3 (cyclooxygenase)-like
39766	ENSG00000103911	KIF18A	38028	-0.03	protein_coding	12	4112105	4113245	solute carrier family 11 (cationic metal ion transporter), member 2
39771	ENSG00000189620	MASTR	38032	-0.03	protein_coding	19	4921599	4922278	MEF2 activating motif and SAP domain containing transcriptional regulator
39772	ENSG00000163040	CCM3TA	38034	-0.03	protein_coding	2	13228248	13229139	coiled-coil domain containing 74A
39760	ENSG00000144960	PLS1	38034	-0.03	protein_coding	8	11423838	11423838	pleckstrin homology domain containing family 1 (with NPH14 domain) member 1
39796	ENSG00000136099	PCDH8	38060	-0.03	protein_coding	13	53418109	53422775	protocadherin 8
39804	ENSG00000164743	CBR4B	38066	-0.03	protein_coding	8	1342432	13425796	chromosome 8 open reading frame 48
39808	ENSG00000103912	KIF18C	38067	-0.03	protein_coding	14	912351	921013	chromosome 8 open reading frame 48
39811	ENSG00000107485	GATA3	38072	-0.03	protein_coding	10	809567	8117161	GATA binding protein 3
39820	ENSG00000152880	IGSF10	38080	-0.03	protein_coding	3	15114372	15117947	immunoglobulin superfamily, member 10
39824	ENSG00000103108	ANKRD16	38086	-0.03	protein_coding	13	4105816	4105816	ankyrin repeat domain 46
39827	ENSG00000136327	NKX2-8	38084	-0.03	protein_coding	14	3704918	37051812	NK2 homeobox 8
39836	ENSG00000145331	TRMT10A	38097	-0.03	protein_coding	4	10048786	10048589	5S rRNA methyltransferase 10 homolog A (S. cerevisiae)
39835	ENSG00000105960	UNFIP1	38102	-0.03	protein_coding	10	347207	348071	48S017 binding protein
39859	ENSG00000100904	CHGA	38126	-0.03	protein_coding	14	9338425	9340168	chromogranin A (parathyroid secretory protein 1)
39861	ENSG00000008270	ZNF112	38131	-0.03	protein_coding	19	44883078	44881977	zinc finger protein 112
39863	ENSG00000153436	ADPS	38133	-0.03	protein_coding	7	7983330	7983330	zinc finger protein 122
39869	ENSG00000200187	MA3EA3	38139	-0.03	protein_coding	X	15193492	15193492	melanoma antigen family A, 3
39873	ENSG00000134461	ANKRD16	38143	-0.03	protein_coding	10	590380	5891989	ankyrin repeat domain 16
39879	ENSG00000103783	FRS3	38178	-0.03	protein_coding	7	1418193	1418193	fibroblast receptor 3
39880	ENSG00000103212	POHDC	38182	-0.03	protein_coding	X	4837350	4837922	porcupine homology (Drosophila)
39899	ENSG00000072657	FORCN	38194	-0.03	protein_coding	12	72441048	72439422	thymopentin-releasing hormone degrading enzyme
39903	ENSG00000103597	STAC3	38193	-0.03	protein_coding	11	4411105	44108113	ST3 beta-galactosidase alpha 2, sialyltransferase 3
39901	ENSG00000175426	PCSK1	38171	-0.03	protein_coding	5	9572619	9570947	proprotein convertase subtilisin/kexin type 1
39904	ENSG00000121351	IAPP	38173	-0.03	protein_coding	12	21507893	21529212	islet amyloid polypeptide
39910	ENSG00000105174	FRS3A	38178	-0.03	protein_coding	10	1360570	1405414	FERM domain containing 4A
39913	ENSG00000100876	ARHGAP28	38178	-0.03	protein_coding	7	872917	872917	Rho GTPase activating protein 28
39915	ENSG00000132199	ENOSF1	38180	-0.03	protein_coding	18	670324	712676	endothelin superfamily member 1
39923	ENSG00000160523	SPY1A3	38191	-0.03	protein_coding	18	8972420	8973780	spermatogenesis associated 33
39927	ENSG00000200765	CYSAT3	38196	-0.03	protein_coding	5	10186907	10221071	lysine-specific proteinase 3
39932	ENSG00000125741	OPK3	38201	-0.03	protein_coding	19	48036885	48105470	optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)
39950	ENSG00000004848	JRK	38215	-0.03	protein_coding	X	25021811	2504406	ankyrin related homeobox
39956	ENSG00000144011	ILK1B	38218	-0.03	protein_coding	4	11931811	11932630	hemidesmosome protein 2 (Drosophila)
39962	ENSG00000169963	COL26A1	38266	-0.03	protein_coding	7	101098101	10120204	collagen, type XXVI, alpha 1
40001	ENSG00000127804	MLT1L6	38271	-0.03	protein_coding	17	2308986	2411585	myelin trypsin-like 10
40001	ENSG00000136296	LEI1	38271	-0.03	protein_coding	12	7183260	7183260	leucine-rich repeat protein-coupled receptor 5
40024	ENSG00000188176	AGP12B	38295	-0.03	protein_coding	2	241815835	241822323	agaurin 12B
40026	ENSG00000133360	OCG3	38297	-0.03	protein_coding	16	89334043	89313570	component of oligomeric golgi complex 8
40027	ENSG00000173443	SH3BP1	38293						

40469	ENSG00000145248	SLC10A4	38757	-0.03	protein_coding	4	48485360	48487213	solute carrier family 10, member 4
40472	ENSG00000175127	MCOA3	38758	-0.03	protein_coding	1	48481448	48514188	mucopolysaccharidase 3
40486	ENSG00000208311	AASS	38760	-0.03	protein_coding	7	121715701	121784334	aminoadipate-semialdehyde synthase
40493	ENSG00000278401	EDN1	38767	-0.03	protein_coding	6	122050586	122097422	endothelin 1
40511	ENSG00000196793	ACTR3B	38812	-0.03	protein_coding	1	11146692	11222564	mechanistic target of rapamycin (serine/threonine kinase)
40523	ENSG00000205493	HOXB3	38817	-0.03	protein_coding	7	4662472	4662472	homeobox B3
40536	ENSG00000204388	HSPA1A	38834	-0.03	protein_coding	6	31735512	31735512	heat shock 70kDa protein B1
40565	ENSG00000135271	ACTR3B	38871	-0.03	protein_coding	7	152456834	152502443	ARF3 actin-related protein 3 homolog B (yeast)
40581	ENSG00000194586	CACNG4	38981	-0.03	protein_coding	17	84981058	85028814	calcium channel, voltage-dependent, gamma subunit 4
40601	ENSG00000156172	CCDC127	38974	-0.03	protein_coding	5	466268	466268	RWD domain containing 2A
40604	ENSG00000194586	TRIM41	38983	-0.03	protein_coding	5	18064909	18064909	coiled-coil domain containing 127
40647	ENSG00000174410	CA12	38962	-0.03	protein_coding	15	6361287	6361287	chromosome 8 open reading frame 37
40648	ENSG00000195378	STRP2	38964	-0.03	protein_coding	7	129014274	129129240	stratin interacting protein 2
40650	ENSG00000152977	ZIC1	38984	-0.03	protein_coding	3	147112029	147229880	Zic family member 1
40652	ENSG00000105464	GRIN2D	38986	-0.03	protein_coding	19	48891132	48948188	glutamate receptor, ionotropic, N-methyl D-aspartate 2D
40671	ENSG00000198208	RPS96L1	38990	-0.03	protein_coding	14	75370657	75390099	ribosomal protein S9 kinase-like 1
40680	ENSG00000006696	DRD4	39004	-0.03	protein_coding	11	637293	640706	dopamine receptor D4
40683	ENSG00000101144	BMP7	39003	-0.03	protein_coding	20	5574304	5581405	bone morphogenetic protein 7
40686	ENSG00000205258	MIR654	39004	-0.03	protein_coding	11	9227075	9227075	microRNA 3054
40713	ENSG00000153862	GDPD1	39031	-0.03	protein_coding	17	57297628	57353328	glycerophosphodiesterase domain containing 1
40714	ENSG00000130413	STK3	39031	-0.03	protein_coding	11	8413418	8615838	serine/threonine kinase 33
40722	ENSG00000176665	COL4A3	39037	-0.03	protein_coding	X	102736870	102762727	collagen, type IV, alpha 3
40735	ENSG00000138063	SKI3	39051	-0.03	protein_coding	2	45168902	45173216	SKI homeobox 3
40736	ENSG00000257259	FBCX3	39056	-0.03	protein_coding	X	100645989	100687285	RPL38A-HNRNP22 readthrough
40763	ENSG00000125274	WIFP3	39081	-0.03	protein_coding	7	2984802	2984802	WAS/WASL interacting protein family, member 3
40754	ENSG00000164651	SP8	39083	-0.03	protein_coding	7	2082396	2082605	Sp8 transcription factor
40765	ENSG00000198265	TPP2	39094	-0.03	protein_coding	7	83514709	83520303	tissue factor pathway inhibitor 2
40766	ENSG00000145626	ANKRD1	39095	-0.03	protein_coding	4	13662485	13662485	SRK1 type domain region V-like 3
40804	ENSG00000004199	SPAT7	39149	-0.03	protein_coding	11	124543664	124567414	sperm autoantigenic protein 17
40805	ENSG00000180660	MAB2L1	39150	-0.03	protein_coding	13	39047926	39050832	mab-2-like 1 (C. elegans)
40821	ENSG00000142121	LOC1003	39153	-0.03	protein_coding	13	39663468	39663468	fibroblast growth factor binding protein 3
40859	ENSG00000180044	C3orf80	39199	-0.03	protein_coding	3	159943223	159945999	chromosome 3 open reading frame 80
40922	ENSG00000160051	IGCC	39276	-0.03	protein_coding	1	32671236	32674288	IG motif containing C
40940	ENSG00000176665	COL4A3	39037	-0.03	protein_coding	X	102736870	102762727	GNPNT5 (meprin) finger protein 1
40967	ENSG00000153832	FIBIN	39310	-0.03	protein_coding	2	23078719	230877825	F-box protein 36
40981	ENSG00000000016	CLF1	39313	-0.03	protein_coding	19	1868300	18718551	cytokine receptor-like factor 1
40983	ENSG00000105464	GRIN2D	38986	-0.03	protein_coding	X	102736870	102762727	Uthaca domain protein
41008	ENSG00000159167	STC1	39361	-0.03	protein_coding	8	23699428	23712320	stanniocalcin 1
41012	ENSG00000131285	TUBB2B	39364	-0.03	protein_coding	6	3224495	3231984	tubulin, beta 2B class IiB
41058	ENSG00000145626	ANKRD1	39095	-0.03	protein_coding	4	11163279	11163279	patric-like homeodomain 2
41204	ENSG00000147190	ZNF711	39567	-0.03	protein_coding	X	84488997	84529368	zinc finger protein 711
41247	ENSG00000182759	MAFA	39618	-0.03	protein_coding	8	144501352	144571628	v-mil avian musculoaponeurotic fibrosarcoma oncogene homolog A
41304	ENSG00000105464	GRIN2D	38986	-0.03	protein_coding	17	4997306	4997306	complement component 1, subcomponent 1
41342	ENSG00000198265	TPP2	39094	-0.03	protein_coding	7	27184126	27170418	homeobox A4
41453	ENSG00000183770	FOXJ2	39864	-0.03	protein_coding	3	13866306	138665882	forkhead box L2
41503	ENSG00000130675	ANKY1	39873	-0.03	protein_coding	7	156746745	156803345	motor neuron and pancreas homeobox 1
41506	ENSG00000200800	RPS19L1	39876	-0.03	protein_coding	6	34264647	34264647	RPS19L1 readthrough
41513	ENSG00000005189	LOC1003	39922	-0.03	protein_coding	16	30817751	30809807	Purative RNA exonuclease NEF sp
41528	ENSG00000185666	PRAME	40031	-0.03	protein_coding	22	22891223	22901788	preferentially expressed antigen in melanoma
41574	ENSG00000103109	LOC1003	33313	-0.03	protein_coding	19	21292942	21292942	RNA, SS ribosomal pseudogene 49
36375	ENSG00000252866		34434	-0.03	rRNA	7	128337764	128337768	RNA, SS ribosomal pseudogene 243
37364	ENSG00000200225		35475	-0.03	rRNA	14	20983146	20983157	RNA, SS ribosomal pseudogene 302
37474	ENSG00000198388		36123	-0.03	rRNA	13	81843060	81841718	RNA, SS ribosomal pseudogene 150
38013	ENSG00000201861		36173	-0.03	rRNA	10	327955	328005	RNA, SS ribosomal pseudogene 288
38191	ENSG00000201291		36444	-0.03	rRNA	X	88882243	88882241	SS ribosomal RNA
38264	ENSG00000202071		36477	-0.03	rRNA	X	51381254	51381242	RNA, SS ribosomal pseudogene 28
38590	ENSG00000202831		37628	-0.03	rRNA	2	73901758	73901870	RNA, SS ribosomal pseudogene 233
38655	ENSG00000202317		38123	-0.03	rRNA	2	210586037	21058745	RNA, SS ribosomal pseudogene 118
41201	ENSG00000202345		38123	-0.03	rRNA	19	762481	762481	RNA, SS ribosomal pseudogene 21
33270	ENSG00000212163	SNORD11A	31414	-0.03	sense_intronic	17	2233570	2233964	small nuclear RNA, CID box 91A
38296	ENSG00000205992	ESRG	38449	-0.03	sense_intronic	3	5466149	54673884	embryonic stem cell related (non-protein coding)
39300	ENSG00000202185	SNORD118	29610	-0.03	snRNA	1	10146444	10146444	Small nuclear RNA, SNORD118/SNORD114 family
39072	ENSG00000272474	SNORD113.5	28991	-0.03	snRNA	14	101404524	101404601	small nuclear RNA, CID box 113.5
38164	ENSG00000196993	SNORD114-14	29139	-0.03	snRNA	14	101438440	101438514	small nuclear RNA, CID box 114.14
41108	ENSG00000202125	SNORD113	29139	-0.03	snRNA	14	101438440	101438440	small nuclear RNA, CID box 113.6
31265	ENSG00000202008	SNORD114-11	29068	-0.03	snRNA	14	101434448	101434522	small nuclear RNA, CID box 114.11
31380	ENSG00000201839	SNORD114-3	29069	-0.03	snRNA	14	101419688	101419780	small nuclear RNA, CID box 114.3
41498	ENSG00000201174	SNORD114	29068	-0.03	snRNA	15	2532626	2532626	small nuclear RNA, CID box 116.15
32147	ENSG00000202185	SNORD116-26	30359	-0.03	snRNA	15	2534468	2534471	small nuclear RNA, CID box 116.26
32234	ENSG00000201279	SNORD116-24	30423	-0.03	snRNA	15	25339184	25339275	small nuclear RNA, CID box 116.24
32363	ENSG00000201768	SNORD116	30077	-0.03	snRNA	15	1291383	1291383	small nuclear RNA, HIACA box 18
32437	ENSG00000202621	SNORD116-14	30077	-0.03	snRNA	15	2532589	2532589	small nuclear RNA, CID box 116.14
32552	ENSG00000201247	SNORD114-13	30078	-0.03	snRNA	14	101482716	101482889	small nuclear RNA, CID box 114.13
32551	ENSG00000202435	SNORD114	30078	-0.03	snRNA	14	101482716	101482889	Small nuclear RNA, SNORD114
32665	ENSG00000202972	SNORD11	30882	-0.03	snRNA	19	12817232	12817232	small nuclear RNA, CID box 41
32839	ENSG00000202280	SNORD20	31007	-0.03	snRNA	2	232321155	232321234	small nuclear RNA, CID box 20
32840	ENSG00000198688	SNORD11	31007	-0.03	snRNA	1	7651706	7651706	small nuclear RNA, CID box 111
32961	ENSG00000202073	SNORD116-1	31133	-0.03	snRNA	15	25296624	25296718	small nuclear RNA, CID box 116.1
33020	ENSG00000202001	SNORD116-2	31185	-0.03	snRNA	15	25296937	25296941	small nuclear RNA, CID box 116.2
33044	ENSG00000198114	SNORD118	31185	-0.03	snRNA	16	7056168	7056168	small nuclear RNA, CID box 118
33184	ENSG00000205951	SNORD11	31335	-0.03	snRNA	13	45910449	45910582	Small nuclear RNA, SNORA31
33198	ENSG00000212296	SNORD72	31336	-0.03	snRNA	5	40832307	40832307	small nuclear RNA, CID box 72
33229	ENSG00000201164	SNORD7	31337	-0.03	snRNA	10	7488689	7488689	Small nuclear RNA, SNORA11
33266	ENSG00000201234	SNORD70	31410	-0.03	snRNA	2	20314134	20314134	small nuclear RNA, CID box 70
33367	ENSG00000212452	SNORD69	31508	-0.03	snRNA	3	52726752	52726828	small nuclear RNA, CID box 69
33387	ENSG00000206494	SNORD2	31525	-0.03	snRNA	2	29136530	29136614	small nuclear RNA, CID box 92
34249	ENSG00000206954	SNORD59	31566	-0.03	snRNA	16	6869370	6869385	small nuclear RNA, HIACA box 59
34339	ENSG00000198961	SNORD19	31578	-0.03	snRNA	17	74557171	74557274	small nuclear RNA, CID box 19
33556	ENSG00000206400	SNORD2	31714	-0.03	snRNA	2	23242082	23242151	small nuclear RNA, CID box 84
34006	ENSG00000206961	SNORD47	31788	-0.03	snRNA	5	78376259	78376259	small nuclear RNA, HIACA box 47
34040	ENSG00000202830	SNORD121B	32036	-0.03	snRNA	9	33934254	33934274	small nuclear RNA, CID box 121B
34140	ENSG00000206775	SNORD37	32119	-0.03	snRNA	19	3982925	3982925	small nuclear RNA, CID box 37
34143	ENSG00000202781	SNORD11	32119	-0.03	snRNA	19	52722677	52722677	Small nuclear RNA, SNORD19B
34268	ENSG00000212402	SNORA74B	32438	-0.03	snRNA	5	17244731	17244731	small nuclear RNA, HIACA box 74B
34333	ENSG00000199344	SNORD11	32507	-0.03	snRNA	1	86057963	86058039	Small nuclear RNA, SNORD11
34348	ENSG00000206699	SNORD11	32517	-0.03	snRNA	15	25311076	25311076	small nuclear RNA, CID box 116.11
3442									

36965	ENSG00000170827	CELP	35087.1	-0.03	transcribed_unprocessed_pseudogene	9	135957926	135962742	carboxyl ester lipase pseudogene
36966	ENSG00000180385	EMC3-AS1	38157.3	-0.03	transcribed_unprocessed_pseudogene	3	10026577	10048674	EMC3 antisense RNA 1
40362	ENSG00000214174	AMZ2P1	38650.6	-0.03	transcribed_unprocessed_pseudogene	17	62962668	62971694	archaealysin family metallopeptidase 2 pseudogene 1
36358	ENSG00000205049	MT1L	33471	-0.03	unitary_pseudogene	16	56851388	56852730	metallochalcone 1L (gene) pseudogene
36359	ENSG00000207078		33150.5	-0.03	unprocessed_pseudogene	12	54317036	54317036	tubulin, beta 8 class VIII pseudogene 4
36360	ENSG00000207468		33544.8	-0.03	unprocessed_pseudogene	1	227880730	227880730	tubulin, beta 8 class VIII pseudogene 10
36361	ENSG00000205827		33746.4	-0.03	unprocessed_pseudogene	1	227883883	227883883	tubulin, beta 8 class VIII pseudogene 9
36362	ENSG00000207973	LOC101926970	33689.1	-0.03	unprocessed_pseudogene	1	566454	566454	tsae-mir-4723
36363	ENSG00000204817		34593.1	-0.03	unprocessed_pseudogene	20	4511370	4511370	zinc finger protein 840
36364	ENSG00000205991		35184.4	-0.03	unprocessed_pseudogene	7	142468264	142471794	protease, serine, 3 pseudogene 1
36365	ENSG00000204020		35389.3	-0.03	unprocessed_pseudogene	1	56819	56819	mitochondrially encoded A1P synthase 8 pseudogene 1
36366	ENSG00000205898		35575	-0.03	unprocessed_pseudogene	19	23015003	23042224	zinc finger protein 723
36367	ENSG00000206727		37736.6	-0.03	unprocessed_pseudogene	16	29624425	29624961	solute carrier family 7 (amino acid transporter light chain, L system), member 5 pseudogene 1
23955	ENSG000002029119		23106	-0.03					
24269	ENSG00000204398		23387.5	-0.03					
24400	ENSG00000204648		23553.5	-0.03					
27719	ENSG00000207214		26286.1	-0.03					
27728	ENSG00000213929		26292.4	-0.03					
28146	ENSG00000204272		26653.4	-0.03					
28481	ENSG00000207286		26936.4	-0.03					
28965	ENSG00000202448		27089.5	-0.03					
28710	ENSG00000204668		27187	-0.03					
28754	ENSG00000205968		27225.9	-0.03					
32227	ENSG00000201960	ANXA8	30413.1	-0.03		10	48252523	48279200	annexin A8
32628	ENSG00000208054		30818.3	-0.03					
32928	ENSG00000208460		31983.2	-0.03					
33066	ENSG00000201808	SNORD19	31513	-0.03		20	2443608	2443693	small nuclear RNA, C/D box 119
33175	ENSG00000204245		31528.3	-0.03					
33260	ENSG00000200181	SNORD85	31467.3	-0.03		1	31441011	31441083	small nuclear RNA, C/D box 85
33398	ENSG00000203863		31513	-0.03					
33629	ENSG000002015861		31790.8	-0.03					
33728	ENSG000002018512		31895.2	-0.03					
33781	ENSG00000205631		31942.7	-0.03					
33841	ENSG000002013846		32000.4	-0.03					
33847	ENSG00000203762		32009.9	-0.03					
33992	ENSG00000200181		32103	-0.03		15	23282281	23378228	hcd domain and RLD 2 pseudogene 2
34130	ENSG000002031822	LOC101930157	32300.2	-0.03					
34463	ENSG000002014887		32844.6	-0.03					
34848	ENSG00000205648	GOLGA8L9	32903	-0.03		15	83988710	83108685	gpgn A6 family-like 20
34863	ENSG000002036885		33002.4	-0.03					
35239	ENSG000002048202		33389.8	-0.03					
35247	ENSG00000204666		33416.6	-0.03					
35432	ENSG000002039781		33544.9	-0.03					
35466	ENSG000002051218		33583.9	-0.03					
35548	ENSG000002015867		33657	-0.03					
35609	ENSG00000203225		33714.1	-0.03					
35638	ENSG0000020162200	DCPIA	33748	-0.03		3	53317447	53381654	decapping mRNA 1A
35644	ENSG00000201848		33758.6	-0.03					
35707	ENSG000002028128		33820.2	-0.03					
35847	ENSG000002031369		33960.4	-0.03					
35907	ENSG000002081722		34024.1	-0.03					
35988	ENSG000002011977		34058.1	-0.03					
35995	ENSG000002058803		34077.9	-0.03					
35986	ENSG000002027154		34090.3	-0.03					
35984	ENSG00000202222		34111.7	-0.03					
36041	ENSG000002013315		34184.3	-0.03					
36059	ENSG000002025402		34186.9	-0.03					
36088	ENSG00000202945		34212	-0.03					
36147	ENSG0000020182253		34288.5	-0.03					
36206	ENSG000002040545		34381.2	-0.03					
36301	ENSG000002027681		34414.1	-0.03					
36457	ENSG000002044331		34558.4	-0.03					
36458	ENSG000002052921		34559	-0.03					
36519	ENSG000002034313		34615.2	-0.03					
36523	ENSG000002055457		34618.5	-0.03					
36531	ENSG000002041255		34628.8	-0.03					
36540	ENSG00000205620		34748.3	-0.03					
36660	ENSG00000206281		34767.6	-0.03					
36736	ENSG000002050542		34848.9	-0.03					
36764	ENSG000002027328		34876.4	-0.03					
36774	ENSG000002023886		34887	-0.03					
36791	ENSG000002054951		34899.7	-0.03					
36798	ENSG000002028523		34914.1	-0.03					
36814	ENSG000002027951		34934.5	-0.03					
36820	ENSG0000020232461		34939.7	-0.03					
36894	ENSG000002080878		35113.3	-0.03					
36996	ENSG000002033873		35114	-0.03					
37005	ENSG000002059006	PRSS3P2	35126	-0.03		7	142478064	142482416	protease, serine, 3 pseudogene 2
37014	ENSG000002025860		35138.1	-0.03					
37115	ENSG00000205150	RNTS2	35238.4	-0.03		14	50329271	50329567	RNA, 7SL, cytoplasmic 2
37139	ENSG000002027893		35254.3	-0.03		17	70036164	70036872	Uchiracharized protein
37141	ENSG000002076230		35257.3	-0.03					
37166	ENSG000002049601		35270	-0.03					
37191	ENSG000002054790		35310	-0.03					
37194	ENSG000002018488	RNF115	35313.5	-0.03		1	145911036	14599818	ring finger protein 115
37205	ENSG00000205108		35327.6	-0.03					
37216	ENSG000002029227		35335.2	-0.03					
37249	ENSG00000204819		35372.5	-0.03					
37280	ENSG000002019881		35403.8	-0.03					
37310	ENSG000002034520		35428.6	-0.03					
37444	ENSG000002028040		35562.5	-0.03					
37455	ENSG000002038110		35576.2	-0.03					
37488	ENSG000002058199		35613	-0.03					
37497	ENSG000002019553		35623.3	-0.03					
37510	ENSG000002020485		35637.2	-0.03					
37567	ENSG000002023531		35711.1	-0.03					
37572	ENSG000002059406		35717.2	-0.03					
37578	ENSG000002048448		35718.8	-0.03					
37581	ENSG000002081278		35723.8	-0.03					
37609	ENSG000002041297		35746.6	-0.03					
37614	ENSG000002020296		35751	-0.03					
37617	ENSG000001658862	PNLIPRP2	35754.7	-0.03		10	118380465	118404654	pancreatic lipase-related protein 2
37648	ENSG00000172890	TAF15	35791	-0.03		17	34136459	34191619	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 68kDa
37700	ENSG00000204345		35848.5	-0.03					
37779	ENSG000002031121		35850.7	-0.03					
37782	ENSG000002028844		35833.2	-0.03					
37868	ENSG00000202165		36091.6	-0.03					
37875	ENSG000002024080		36018.1	-0.03					
37884	ENSG00000175898		36031.6	-0.03					
37937	ENSG00000202765		36062.7	-0.03					
37960	ENSG000002013361		36119.1	-0.03					
37977	ENSG00000201632		36140.4	-0.03					
38041	ENSG000002027528		36188.5	-0.03					
38048	ENSG000002025026		36205.5	-0.03					
38107	ENSG000002028776		36261.1	-0.03					
38143	ENSG000002023853		36293.4	-0.03					
38156	ENSG00000201958		36304.7	-0.03					
38195	ENSG000002069888		36354.2	-0.03					
38208	ENSG00000205768		36384	-0.03					
38219	ENSG000002084355		36373.2	-0.03					
38284	ENSG00000176734		36421.7	-0.03		7	28992974	28997934	TLR4 interacto with leucine-rich repeats
38291	ENSG00000206538		36452.2	-0.03					
38296	ENSG00000203686		36459.4	-0.03					
38321	ENSG000002072933		36488.9	-0.03					

38897	ENSG00000272686		37116.5	-0.03					
38943	ENSG00000236117		37155.9	-0.03					
38977	ENSG00000229947		37190.9	-0.03					
38984	ENSG00000216775		37202.3	-0.03					
38991	ENSG00000230522		37209.2	-0.03					
39001	ENSG00000231273		37216.9	-0.03					
39023	ENSG00000198518	HIST1H4I	37236.2	-0.03	6	26204858	26206266	histone cluster 1, H4e	
39025	ENSG00000215098		37240.1	-0.03					
39042	ENSG00000230318		37253.2	-0.03					
39054	ENSG00000262877		37266.8	-0.03					
39075	ENSG00000232437		37268	-0.03					
39095	ENSG00000214130		37283.2	-0.03					
39081	ENSG000001986374	HIST1H2AI	37295	-0.03	6	27833034	27833606	histone cluster 1, H2af	
39093	ENSG00000248473		37308.6	-0.03					
39108	ENSG00000250275		37326.3	-0.03					
39133	ENSG00000270099		37351.5	-0.03					
39162	ENSG00000213935		37386.5	-0.03					
39186	ENSG00000229768		37404.2	-0.03					
39189	ENSG000002004778		37409	-0.03	8	145317003	145331153	KM-PA-2 protein; Uncharacterized protein	
39202	ENSG00000271869		37420.8	-0.03					
39210	ENSG00000232427		37432.7	-0.03					
39228	ENSG00000213148		37444.1	-0.03					
39247	ENSG00000242013	USP27X	37484.4	-0.03	X	49644470	49647166	ubiquitin specific peptidase 27, X-linked	
39292	ENSG00000232526		37481.2	-0.03					
39295	ENSG00000238116		37510	-0.03					
39296	ENSG00000211227		37510.8	-0.03					
39316	ENSG00000202072		37526	-0.03	17	56739510	56739666	RNA, L11 small nuclear/60, pseudogene	
39326	ENSG00000203813	HIST1H4A	37549.4	-0.03	6	27777842	27778314	histone cluster 1, H4h	
39330	ENSG00000248015		37551.3	-0.03					
39358	ENSG00000261810		37577.2	-0.03					
39367	ENSG00000287530		37594.3	-0.03					
39390	ENSG00000252265		37613.2	-0.03					
39395	ENSG00000252471		37621.6	-0.03					
39419	ENSG00000184348	HIST1H2AI	37653.6	-0.03	6	27805658	27806117	histone cluster 1, H2af	
39435	ENSG00000213409		37664.9	-0.03					
39454	ENSG00000232421		37693	-0.03					
39455	ENSG00000235748		37691.1	-0.03					
39468	ENSG00000204109		37702.5	-0.03					
39507	ENSG00000230798		37741.7	-0.03					
39519	ENSG00000188988	SCXB	37757.8	-0.03	8	145490549	145492470	scrolierax homolog A (mouse)	
39565	ENSG00000279906		37806.8	-0.03					
39572	ENSG00000230985		37814.3	-0.03					
39578	ENSG00000242491		37817.9	-0.03					
39594	ENSG00000256747		37830.2	-0.03					
39622	ENSG00000264574		37856.2	-0.03					
39640	ENSG00000227546		37871.4	-0.03					
39642	ENSG00000268812		37875.3	-0.03					
39664	ENSG00000272278		37902.6	-0.03					
39664	ENSG00000257956		37904.7	-0.03					
39711	ENSG00000268764		37951.1	-0.03	10	75531936	75532378	Uncharacterized protein; cDNA FLJ44715 fs. clone BCACE3021430	
39714	ENSG00000251548		37953	-0.03					
39727	ENSG00000283339	HIST1H4I	37966.6	-0.03	6	27107076	27108418	histone cluster 1, H4i	
39743	ENSG00000255680		37990.7	-0.03					
39744	ENSG00000282144		37991.4	-0.03					
39752	ENSG00000271725		37998.9	-0.03					
39773	ENSG00000273433		38034.8	-0.03					
39783	ENSG00000272801		38048.6	-0.03					
39784	ENSG00000256569	DACH1	38049	-0.03	13	72012098	72441330	dachshund homolog 1 (Drosophila)	
38806	ENSG00000272273		38068.4	-0.03					
39812	ENSG00000232528		38073.6	-0.03					
39815	ENSG00000271920		38073.6	-0.03					
39833	ENSG00000225840		38093.5	-0.03					
39842	ENSG00000254953		38101.2	-0.03					
39853	ENSG00000231541		38118.1	-0.03					
39864	ENSG00000268723		38135.3	-0.03					
39881	ENSG00000259940		38151.9	-0.03					
39884	ENSG00000231798		38151.9	-0.03					
39900	ENSG00000188987	HIST1H4I	38169.5	-0.03	6	26188038	26189304	histone cluster 1, H4d	
39940	ENSG00000272009		38206.8	-0.03					
39941	ENSG00000271628		38211.6	-0.03					
39949	ENSG00000271936		38215.6	-0.03					
39969	ENSG00000272994		38239.5	-0.03					
39981	ENSG00000251115		38257	-0.03					
39984	ENSG00000225410		38259.2	-0.03					
39987	ENSG00000237310		38262.8	-0.03					
39991	ENSG00000235850		38264.3	-0.03					
39997	ENSG00000260418		38269	-0.03					
39998	ENSG00000197914	HIST1H4I	38270	-0.03	6	27789952	27789305	histone cluster 1, H4k	
40004	ENSG00000204418		38273.4	-0.03					
40016	ENSG00000252528		38291.6	-0.03					
40031	ENSG00000242615		38305.4	-0.03					
40088	ENSG00000254988		38317.1	-0.03					
40091	ENSG00000254198		38375.4	-0.03					
40095	ENSG00000234432		38378.7	-0.03					
40113	ENSG00000232748		38401.6	-0.03					
40145	ENSG00000251746	HIST1H4I	38430.3	-0.03	6	26027124	26027480	histone cluster 1, H4b	
40196	ENSG00000271360		38497.3	-0.03					
40206	ENSG00000270172		38516.6	-0.03					
40242	ENSG00000270364		38540.2	-0.03					
40261	ENSG00000137259	HIST1H2AE	38555.8	-0.03	6	26033320	26033796	histone cluster 1, H2ab	
40294	ENSG00000245589		38563.3	-0.03					
40296	ENSG00000236234		38563.3	-0.03					
40310	ENSG00000266473		38588.2	-0.03					
40311	ENSG00000272960		38589.4	-0.03					
40337	ENSG00000267390		38627.3	-0.03					
40353	ENSG00000260552		38643.8	-0.03					
40381	ENSG00000260303		38669.1	-0.03	17	76898275	76937658	Uncharacterized protein	
40434	ENSG00000271620	HOXA11-AS1	38727.6	-0.03					
40458	ENSG00000273162		38749.3	-0.03					
40464	ENSG00000287811		38847.4	-0.03					
40465	ENSG00000232431	SNORD5A	38903.1	-0.03					
40468	ENSG00000230697		38963.7	-0.03					
40676	ENSG00000259985		38994	-0.03					
40704	ENSG00000231290	SNORA78	38919.2	-0.03					
40728	ENSG00000246089		39041.5	-0.03					
40759	ENSG00000257453		39088.6	-0.03					
40806	ENSG00000232938		39250.4	-0.03					
40960	ENSG00000255651		39311.2	-0.03					
40971	ENSG00000290400		39321	-0.03					
40972	ENSG00000258920		39326.5	-0.03					
41001	ENSG00000273184		39357.7	-0.03					
41187	ENSG00000298188		39549.2	-0.03					
39530	ENSG00000174110	ZFAS1	33947.4	-0.04	antisense	20	47884715	47895797	ZNF1 antisense RNA 1
39493	ENSG00000259001	RPH1	37720.9	-0.04	antisense	14	20811207	20811844	ribonuclease P RNA component H1
39674	ENSG00000246092	NN1-AS1	37620.6	-0.04	antisense	5	43571696	43583332	NN1 antisense RNA 1
40193	ENSG00000232528	KCTD16	38391.5	-0.04	antisense	1	20279088	20279384	prostate cancer associated transcript 8 (non-protein coding)
40420	ENSG0000024597	PTCHD3P1	38710.5	-0.04	antisense	10	29606331	29776674	patched domain containing 3 pseudogene 1
40767	ENSG00000240990	HOXA11-AS	39062.3	-0.04	antisense	7	27224137	27228912	HOXA11 antisense RNA
40689	ENSG00000237167	TMPO-AS1	39238.8	-0.04	antisense	12	38903751	38910200	TMPO antisense RNA 1
40877	ENSG00000246763	RGMB-AS1	39214.8	-0.04	antisense	5	98105322	98109173	RGMB antisense RNA 1
40905	ENSG00000258708		39250.3	-0.04	antisense	14	37641093	37643016	SLC25A21 antisense RNA 1
41310	ENSG00000234698		39991.3	-0.04	antisense	X	40594652	40597460	MED1 antisense RNA 1
41327	ENSG00000232109	MF2-AS1	39711.5	-0.04	antisense	3	196726331	19673136	MF2 antisense RNA 1
41417	ENSG00000186815	KTN1-AS1	39818.6	-0.04	antisense	14	55965996	56046828	KTN1 antisense RNA 1
41516	ENSG00000260862	FBX19-AS1	39627.8	-0.04	antisense	16	30940940	30943960	FBX19 antisense RNA 1 (head to head)
41564	ENSG00000259451	HOXC-AS1	39597.9	-0.04	antisense	12	54352866	54393784	HOXC-cluster antisense RNA 1
41834	ENSG00000233101	HOXB-AS3	40034.7	-0.04	antisense	17	46626992	46683776	HOXB-cluster antisense RNA 3
38138	ENSG00000226137	BANP2-AS1	36291.1	-0.04	incRNA	17	79002930	79008501	BANP2 antisense RNA 1 (head to head)
39624	ENSG00000269344	SNORD5A	37601.4	-0.04	incRNA	17	19091329	19092027	small nuclear RNA, C/D box 5A
39683	ENSG00000273344	PAXIP1-AS1	37904	-0.04	incRNA	7	154765158	154797413	PAXIP1 antisense RNA 1 (head to head)
39755	ENSG00000176947	LINC00386	38003.8	-0.04	incRNA	X	134555868	134561999	long intergenic non-protein coding RNA 386
39844	ENSG00000268402	SNORA78	38204.3	-0.04	incRNA	22	62223330	62223836	small nuclear RNA, H/ACA box 78
40043	ENSG00000270103	RNAU1	38119.4	-0.04	incRNA	1	28975112	28975245	RNA, U11 small nuclear
40630	ENSG00000151363	LINC00467	38942.4	-0.04	incRNA	1	211596145	211600678	long intergenic non-protein coding RNA 467
40830	ENSG00000267124	LINC00609	39110.4	-0.04	incRNA	1	30769888	37300292	long intergenic non-protein coding RNA 669
41140	ENSG00000268996		39499.4	-0.04	incRNA	9	139692607	139881121	Uncharacterized protein
41330	ENSG00000232414	LINC00473	39714.4	-0.04	incRNA	6	18622290	186401536	long intergenic non-protein coding RNA 473
41471	ENSG00000213888		39808.8	-0.04	incRNA	22	31742675	31744670	CDNA FLJ20894 fs. clone KAT0155; HG51177549; Uncharacterized protein
41718	ENSG00000228623		40122.6	-0.04	incRNA	9	115758495	115774007	zinc finger protein 883
39676	ENSG00000287200	MIR132	38148.3	-0.04	miRNA	17	1953302	1953302	microRNA 132
40262	ENSG00000231414	MIR163A	38148.3</						

27800	ENSG00000226360	26325	-0.04	processed_pseudogene	3	61728129	61728700	ribosomal protein L10a pseudogene 6
27812	ENSG00000226361	26325	-0.04	processed_pseudogene	6	12514343	12514348	ribosomal protein L15 pseudogene 5
28236	ENSG00000256968	26916	-0.04	processed_pseudogene	9	6748703	6748781	small nuclear ribonucleoprotein polypeptide E pseudogene 2
28486	ENSG00000226525	26961	-0.04	processed_pseudogene	13	22225252	22203154	ribosomal protein S7 pseudogene 10
28748	ENSG00000246866	27222	-0.04	processed_pseudogene	A	40719186	40719187	ribosomal protein S2 pseudogene 55
30144	ENSG00000232632	29637	-0.04	processed_pseudogene	7	2963042	29631420	ribosomal protein S19 pseudogene 1
30267	ENSG00000180581	28622	-0.04	processed_pseudogene	10	9356583	93567253	signal recognition particle 9 pseudogene 1
30391	ENSG00000246263	28709	-0.04	processed_pseudogene	1	22046912	22047678	mortality factor 4 like 1 pseudogene 1
30886	ENSG00000290515	28959	-0.04	processed_pseudogene	6	14867457	14867519	chaperonin containing TCP1, subunit 8 (beta) pseudogene 1
31157	ENSG00000215881	29178	-0.04	processed_pseudogene	8	62114599	62114579	nucleophosmin 1 (nucleolar phosphoprotein B23, numatrin) pseudogene 6
30991	ENSG00000247991	30053	-0.04	processed_pseudogene	1	23714483	23714509	ribosomal protein L30 pseudogene 1
30961	ENSG00000238265	30058	-0.04	processed_pseudogene	6	11638452	11638574	basic leucine zipper and VZ domain 1 pseudogene 2
32707	ENSG00000233830	30881	-0.04	processed_pseudogene	7	27497782	27498468	eukaryotic translation initiation factor 4H pseudogene 1
34006	ENSG00000226243	32187	-0.04	processed_pseudogene	20	43098204	43098482	ribosomal protein L34 pseudogene 1
34584	ENSG00000218412	32772	-0.04	processed_pseudogene	20	18485977	18486270	ribosomal protein S19 pseudogene 1
34815	ENSG00000229927	32956	-0.04	processed_pseudogene	10	48914151	48914700	Ras-homology enriched in brain pseudogene 1
34854	ENSG00000214975	32994	-0.04	processed_pseudogene	6	24976647	24977210	peptidylarginine 4-oxalophosphonate lyase pseudogene 29
35021	ENSG00000244653	33096	-0.04	processed_pseudogene	X	133300712	133300978	translocase of inner mitochondrial membrane 8B pseudogene 2
35160	ENSG00000229204	33300	-0.04	processed_pseudogene	4	139114503	139115665	heterogeneous nuclear ribonucleoprotein A3 pseudogene 3
35098	ENSG00000232433	33203	-0.04	processed_pseudogene	4	170712371	170712853	protoglutelin E synthase 3 (cytosolic) pseudogene 3
35342	ENSG00000229251	34461	-0.04	processed_pseudogene	7	81507174	81507408	C/EBP beta protein kinase regulatory subunit 1B pseudogene 2
35641	ENSG00000232699	34749	-0.04	processed_pseudogene	6	99622620	99623357	heterogeneous nuclear ribonucleoprotein A1 pseudogene 8
36751	ENSG00000211878	34894	-0.04	processed_pseudogene	20	48348128	48348376	3-hydroxybutyrate dehydrogenase, type 2 pseudogene 1
36785	ENSG00000225357	34906	-0.04	processed_pseudogene	20	34340736	34341641	ribosome production factor 2 homolog (S. cerevisiae) pseudogene 1
37002	ENSG00000234176	35122	-0.04	processed_pseudogene	X	120337036	120338888	heat shock 70kDa protein B pseudogene 1
37243	ENSG00000232690	35380	-0.04	processed_pseudogene	1	192911290	192911336	high mobility group nucleosome binding domain 1 pseudogene 4
37312	ENSG00000248119	35430	-0.04	processed_pseudogene	5	13425813	13426034	MT-ND5 pseudogene 4
37356	ENSG00000232489	35473	-0.04	processed_pseudogene	10	69598715	69599011	DBP4 homolog pseudogene 1
37416	ENSG00000230515	35529	-0.04	processed_pseudogene	12	152012683	152013445	high mobility group nucleosome binding domain 3 pseudogene 1
37429	ENSG00000229793	35544	-0.04	processed_pseudogene	15	44168047	44168442	protein (peptidyl)prolyl isomerase) NIMA-interacting, 4 pseudogene 1
37438	ENSG00000213363	35559	-0.04	processed_pseudogene	12	62415351	62415955	ribosomal protein L30 pseudogene 6
37568	ENSG00000230925	35729	-0.04	processed_pseudogene	14	58652977	58653147	ubiquitin A-S2 residue non-protein 1 pseudogene 3
37698	ENSG00000213790	35848	-0.04	processed_pseudogene	22	42503769	42504567	Olig2 like ATPase 1 pseudogene 1
37837	ENSG00000248873	35862	-0.04	processed_pseudogene	5	42465502	42466870	SERPINE1 mRNA binding protein 1 pseudogene 6
37894	ENSG00000230925	35873	-0.04	processed_pseudogene	13	4431571	44316193	ribonucleoside diphosphate synthase 1 pseudogene 1
37917	ENSG00000213290	35903	-0.04	processed_pseudogene	19	12670385	12671919	phosphorylase kinase 1 pseudogene 2
38003	ENSG00000205254	35949	-0.04	processed_pseudogene	4	148427243	148427713	general transcription factor IIF, polypeptide 2 pseudogene 1
38059	ENSG00000230589	36023	-0.04	processed_pseudogene	12	120712600	120713000	RME-ND3 nucleolar ribonucleoprotein kinase pseudogene 1
38424	ENSG00000214918	36018	-0.04	processed_pseudogene	X	14168550	14168722	ribonucleotide reductase M2 polypeptide pseudogene 3
38493	ENSG00000231370	36074	-0.04	processed_pseudogene	4	174554879	174555222	RAN, member RAS oncogene family pseudogene 6
38503	ENSG00000230589	36074	-0.04	processed_pseudogene	14	14456184	14456303	tumor protein, transcriptionally controlled 1 pseudogene 4
38602	ENSG00000219274	36089	-0.04	processed_pseudogene	16	1379078	13791778	ribosomal protein S20 pseudogene 2
38641	ENSG00000231341	36227	-0.04	processed_pseudogene	Y	5075256	5076110	voltage-dependent anion channel 1 pseudogene 6
38785	ENSG00000246866	36230	-0.04	processed_pseudogene	6	69603324	69603402	nuclear fragile X mental retardation protein interacting protein 1 pseudogene 6
37936	ENSG00000232473	37004	-0.04	processed_pseudogene	6	62831003	62831003	lysine hydroxylase pseudogene 1
38789	ENSG00000227118	37007	-0.04	processed_pseudogene	4	99661893	99662382	basic transcription factor 3 pseudogene 13
38803	ENSG00000240193	37017	-0.04	processed_pseudogene	4	145760777	145760786	heat shock 60kDa protein 1 (chaperonin) pseudogene 5
38806	ENSG00000230584	37030	-0.04	processed_pseudogene	13	78432054	78432054	chaperonin containing TCP1, subunit 6 (epsilon) pseudogene 2
38838	ENSG00000227295	37156	-0.04	processed_pseudogene	1	158145440	158147445	elongation factor, RNA polymerase II, 2 pseudogene 1
38996	ENSG00000215339	37215	-0.04	processed_pseudogene	9	11226510	11226612	T box binding protein 1 pseudogene 6
39296	ENSG00000231531	37400	-0.04	processed_pseudogene	12	143097114	143097114	histidine triad nucleotide binding protein 1 pseudogene 1
39241	ENSG00000252470	37459	-0.04	processed_pseudogene	7	13921896	13921935	enhancer of rudimentary homolog (Drosophila) pseudogene 1
39273	ENSG00000228286	37490	-0.04	processed_pseudogene	2	149925120	149925124	ribosomal protein S20 pseudogene 1
39281	ENSG00000221781	37500	-0.04	processed_pseudogene	1	130718048	130718048	hepatoma-derived growth factor pseudogene 1
39385	ENSG00000218748	37659	-0.04	processed_pseudogene	6	80148625	80149884	diacylglycerol binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) pseudogene 1
39472	ENSG00000228991	37707	-0.04	processed_pseudogene	7	10498939	10499153	heat shock 70kDa protein B pseudogene 8
39514	ENSG00000228386	37748	-0.04	processed_pseudogene	21	24179302	24179302	cytochrome oxidase subunit I pseudogene 2
39822	ENSG00000236227	38090	-0.04	processed_pseudogene	1	15842388	15842503	etoposide induced 2.4 pseudogene 2
39866	ENSG00000232480	38136	-0.04	processed_pseudogene	1	11917816	11917816	pyruvate kinase, muscle pseudogene 1
39916	ENSG00000231559	38149	-0.04	processed_pseudogene	1	14682468	14682468	high mobility group nucleosome binding domain 1 pseudogene 8
39919	ENSG00000250444	38183	-0.04	processed_pseudogene	5	11484774	11484891	chaperonin containing TCP1, subunit 5 (epsilon) pseudogene 1
39975	ENSG00000226543	38249	-0.04	processed_pseudogene	21	45275771	45276223	myosin, light chain 6 pseudogene 1
40000	ENSG00000230589	38249	-0.04	processed_pseudogene	1	2162415	2162415	KH-type ectopic regulatory protein pseudogene 1
40008	ENSG00000227173	38283	-0.04	processed_pseudogene	10	66929196	66929227	myosin, light chain 6 pseudogene 3
40035	ENSG00000241431	38309	-0.04	processed_pseudogene	11	118431405	118432395	ribosomal protein L30 pseudogene 30
40056	ENSG00000214188	38314	-0.04	processed_pseudogene	20	32961470	32961470	exportin, RNA nuclear export receptor for tRNA pseudogene 1
40068	ENSG00000213312	38373	-0.04	processed_pseudogene	6	64258613	64259143	ribosomal protein L7a pseudogene 34
40101	ENSG00000232146	38386	-0.04	processed_pseudogene	X	72989083	72989128	selenocysteine synthetase 1 pseudogene 4
40143	ENSG00000242931	38420	-0.04	processed_pseudogene	10	12732018	12732018	aldolase A, functionally uncontrolled 1 pseudogene 2
40234	ENSG00000204789	38535	-0.04	processed_pseudogene	6	27325004	27325004	zinc finger protein 204, pseudogene 6
40347	ENSG00000214263	38635	-0.04	processed_pseudogene	13	67840977	67841838	ribosomal protein SA pseudogene 53
40352	ENSG00000230786	38640	-0.04	processed_pseudogene	6	58684004	58684004	ribonucleoside diphosphate synthase subunit pseudogene 6
40907	ENSG00000228140	39251	-0.04	processed_pseudogene	9	22917233	22917283	polycystic-dystrophy finger 7 pseudogene 1
40997	ENSG00000232983	39380	-0.04	processed_pseudogene	X	62519126	62519552	chromobox homolog 1 pseudogene 1
40991	ENSG00000230589	39380	-0.04	processed_pseudogene	4	12580364	12580364	MT-ND8 pseudogene 21
41121	ENSG00000230690	39472	-0.04	processed_pseudogene	9	7452297	7452297	heat shock 27kDa protein 1 pseudogene 1
41344	ENSG00000229158	39726	-0.04	processed_pseudogene	X	64627984	64628865	transducin-like enhancer of split 1 pseudogene 1
41458	ENSG00000230589	39837	-0.04	processed_pseudogene	17	15841160	15841160	FAM21A antisense RNA 1
34225	ENSG00000234741	39837	-0.04	processed_transcript	1	173833038	173833038	growth arrest-specific 5 (non-protein) coding
39230	ENSG00000248775	39844	-0.04	processed_transcript	5	180688213	180689308	TRIM2 antisense RNA 1 (head to head)
40048	ENSG00000231531	39844	-0.04	processed_transcript	19	5218329	5218329	spem associated associated 1 pseudogene 1
40370	ENSG00000231187	39859	-0.04	processed_transcript	5	92745065	92921354	NR2F1 antisense RNA 1
29555	ENSG00000189564	24762	-0.04	protein_coding	2	70314585	70316332	myosin (C) binding protein 1
26220	ENSG00000184587	24962	-0.04	protein_coding	5	14962713	14962810	ribosomal protein S14
26740	ENSG00000142978	25434	-0.04	protein_coding	1	24012678	24012678	ribosomal protein L11
26742	ENSG00000198755	25437	-0.04	protein_coding	6	35438185	35438562	ribosomal protein L10a
26777	ENSG00000096977	25469	-0.04	protein_coding	22	24312554	24312560	D-Diaphanous like
26884	ENSG00000174021	25491	-0.04	protein_coding	22	84894406	84894406	guanine nucleotide binding protein (G protein), gamma 5
27203	ENSG00000174748	25483	-0.04	protein_coding	3	23958036	23958183	ribosomal protein L15
27220	ENSG00000187283	25661	-0.04	protein_coding	11	11827199	11828211	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit G
27684	ENSG00000186572	25672	-0.04	protein_coding	17	12662415	12662445	ubiquitin-like protein 1
27602	ENSG00000173812	26157	-0.04	protein_coding	17	39848157	39848850	eukaryotic translation initiation factor 1
27671	ENSG00000241837	26229	-0.04	protein_coding	21	35275757	35280284	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit
27684	ENSG00000230589	26229	-0.04	protein_coding	8	20311470	20311470	

32192	ENSG00000188728	SMMT5	30382	-0.04	protein_coding	5	6045336	6045381	small integral membrane protein 15
32218	ENSG00000141118	TRAPPC3	30623	-0.04	protein_coding	11	3662203	3662266	trafficking protein particle complex 3
32252	ENSG00000142523	FIS1	30436	-0.04	protein_coding	7	100852739	100855979	fasion 1 (mitochondrial outer membrane) homolog (S. cerevisiae)
32268	ENSG00000171202	TMEM126A	30461	-0.04	protein_coding	11	85359011	85359791	transmembrane protein 126A
32288	ENSG00000096379	MBST1	30469	-0.04	protein_coding	6	3002669	3002689	zinc ribbon domain containing 1
32296	ENSG00000152586	LANTOR2	30483	-0.04	protein_coding	3	136034543	136035201	late endosomal/lysosomal acidifier, MAPK, and RHO activator 2
32339	ENSG00000055044	NCP98	30533	-0.04	protein_coding	2	203130439	203138839	NCP98 ribonucleoprotein
32391	ENSG00000068594	MSG1	30559	-0.04	protein_coding	12	1629216	1629216	microsome diaphanous S-transferase 1
32415	ENSG00000151289	ABCB7	30571	-0.04	protein_coding	5	74273115	74273167	ATP-binding cassette and sub-family B (MDR/TFP), member 7
32442	ENSG00000111361	EPF2B	30610	-0.04	protein_coding	12	124164953	124168113	eukaryotic translation initiation factor 2B, subunit 1 alpha, 28kDa
32561	ENSG00000066603	MCOR1	30743	-0.04	protein_coding	2	138591196	138593396	mitochondrial succinate dehydrogenase complex component 6
32582	ENSG00000152586	KIAA0101	30852	-0.04	protein_coding	8	84897959	84897961	KIAA0101
32779	ENSG00000177879	APFS1	30852	-0.04	protein_coding	5	115177178	115249778	adaptor-related protein 78, sigma 1, subunit 1
32780	ENSG00000038141	FAM138A	30854	-0.04	protein_coding	2	70523107	70523222	family with sequence similarity 136, member A
32817	ENSG00000106186	NDP98	30988	-0.04	protein_coding	10	102287263	102289717	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa
32884	ENSG00000168764	UGP2	31055	-0.04	protein_coding	2	6408074	6411896	UDP-glucose pyrophosphorylase 2
32929	ENSG00000202119	MCT5	31096	-0.04	protein_coding	X	119727865	119734929	maligned 1 cell amplified sequence 1
33048	ENSG00000200819	CPXCP	31210	-0.04	protein_coding	3	82629976	82631297	cytoplasmic phosphatase
33071	ENSG00000106028	SBP1	31230	-0.04	protein_coding	7	141438121	141448722	single-stranded DNA binding protein 1, mitochondrial
33077	ENSG00000138381	ASNSD1	31235	-0.04	protein_coding	2	19025111	19023557	asparagine synthetase domain containing 1
33090	ENSG00000102700	KIF19	31250	-0.04	protein_coding	19	18680197	18680197	KU61 motif containing 1
33248	ENSG00000170340	B3GNT2	31396	-0.04	protein_coding	2	62423248	62431866	UDP-GlcNAc:betaGal-beta1,3-N-acetylglucosaminyltransferase 2
33252	ENSG00000135211	TMEM80	31400	-0.04	protein_coding	7	77423045	77427187	transmembrane protein 80
33254	ENSG00000118932	IFG2L2	31402	-0.04	protein_coding	14	94581116	94581500	interferon, alpha-inducible protein 27-like 2
33263	ENSG00000178860	MSC	31408	-0.04	protein_coding	8	72753784	72753784	musclin
33358	ENSG00000143108	PSMA5	31492	-0.04	protein_coding	1	109941653	109949582	proteasome (prosome, multicatalytic proteinase) subunit, alpha type 5
33404	ENSG00000103786	INVS1	31543	-0.04	protein_coding	4	76783877	76783877	USO1 vesicle transport factor
33452	ENSG00000162736	NCSTN	31610	-0.04	protein_coding	1	160313062	160328422	neostatin
33488	ENSG00000121336	DDX39A	31640	-0.04	protein_coding	1	14519831	14520192	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A
33508	ENSG00000103129	KIF18B	31643	-0.04	protein_coding	19	3288208	32882172	charged multimeric motor protein class 2
33513	ENSG00000093545	DNAJ3	31660	-0.04	protein_coding	16	46885259	47007689	DnaJ (Hsp40) homolog, subfamily A, member 2
33577	ENSG00000128951	DUT	31736	-0.04	protein_coding	15	48823208	48823750	deoxydUMP thymidyltransferase
33578	ENSG00000106181	FTF1	31737	-0.04	protein_coding	14	751184	751204	CFP1 RNA-processing protein
33616	ENSG00000122958	VPS26A	31778	-0.04	protein_coding	10	70883268	70932617	vacuolar protein sorting 26 homolog A (S. pombe)
33680	ENSG00000122026	RPL21	31843	-0.04	protein_coding	13	27824446	27824628	ribosomal protein L21
33731	ENSG00000186601	FTF3	31843	-0.04	protein_coding	8	44817833	44817833	transmembrane emerin protein transport domain containing 4
33749	ENSG00000105379	ETFB	31845	-0.04	protein_coding	19	51848218	51896672	electron-transfer-flavoprotein, beta polypeptide
33750	ENSG00000185888	RFS27L	31915	-0.04	protein_coding	15	63418071	63450220	ribosomal protein S27-like
33751	ENSG00000155687	TRAF3IP1	31923	-0.04	protein_coding	3	24202881	24202881	protein phosphatase 1, regulatory subunit 7
33769	ENSG00000133385	HSD17B4	31929	-0.04	protein_coding	5	118789138	118792894	hydroxysteroid (17-beta) dehydrogenase 4
33844	ENSG00000123506	AMD1	32102	-0.04	protein_coding	6	11185973	11126818	adenylylmethionine decarboxylase 1
33851	ENSG00000103791	CEP2	32102	-0.04	protein_coding	8	781178	781178	cytosolic actin (gougein) reductase
34009	ENSG00000115918	CEBP2	32170	-0.04	protein_coding	2	37428755	37428856	CCAAT/enhancer binding protein (C/EBP), zeta
34072	ENSG00000127866	TICAM1	32250	-0.04	protein_coding	19	4815944	4831716	toll-like receptor adaptor molecule 1
34115	ENSG00000165476	REEP5	32262	-0.04	protein_coding	10	6524749	6524863	receptor accessory protein 3
34134	ENSG00000129126	HNRPDL	32265	-0.04	protein_coding	10	8334317	83343174	heterogeneous nuclear ribonucleoprotein D-like
34151	ENSG00000184292	TACS1D2	32261	-0.04	protein_coding	1	5904109	5904136	tumor-associated calcium signal transducer 2
34158	ENSG00000126697	ALG5	32265	-0.04	protein_coding	12	37523912	37524308	ALG5, dolichyl phosphate beta-glucosyltransferase
34216	ENSG00000103169	SLC6	32266	-0.04	protein_coding	22	60838408	60838408	sol carrier protein O
34338	ENSG00000100721	TCL1A	32214	-0.04	protein_coding	14	96178304	96180533	T-cell leukemia/lymphoma 1A
34339	ENSG00000131831	RAZ	32269	-0.04	protein_coding	4	17818189	17818457	retinoic acid inducible 2
34344	ENSG00000154444	LPL	32013	-0.04	protein_coding	8	19719228	19821109	lipoprotein lipase
34404	ENSG00000214733	HNRNPUL2	32779	-0.04	protein_coding	11	62480102	62484921	heterogeneous nuclear ribonucleoprotein U-like 2
34406	ENSG00000114520	SNX4	32784	-0.04	protein_coding	3	12516548	12516548	prostate androgen-regulated nuclear protein 4
34438	ENSG00000106181	PANK1	32843	-0.04	protein_coding	12	72863305	72872305	pancreatic androgen-regulated nuclear protein 1
34480	ENSG00000111321	LTRB	32843	-0.04	protein_coding	12	6484211	6500733	lymphotxin beta receptor (TNFR superfamily, member 3)
34722	ENSG00000208953	SRB1	32849	-0.04	protein_coding	19	34881220	34900269	Uchretractant receptor
34723	ENSG00000102163	SRB1	32849	-0.04	protein_coding	19	139819525	139819525	ubiquitin receptor RNA activator 1
34749	ENSG00000136485	DCAF7	32963	-0.04	protein_coding	4	81627822	81627839	DOB1 and CUL4 associated factor 7
34750	ENSG00000189139	UBE2V2	32968	-0.04	protein_coding	8	48920980	48927298	ubiquitin-conjugating enzyme E2 variant 2
34807	ENSG00000104378	BCAS2	32971	-0.04	protein_coding	14	18482108	18482108	tumor susceptibility 101
34820	ENSG00000118752	BCAS2	32971	-0.04	protein_coding	1	11510178	115124260	breast carcinoma amplified sequence 2
34832	ENSG00000186992	PAPAH2B2	32973	-0.04	protein_coding	11	11701483	11704710	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa)
34841	ENSG00000103344	DNAAF2	32973	-0.04	protein_coding	12	9433170	94331704	deoxyribonucleoside diphosphate kinase, isoform 2
34861	ENSG00000187193	MTX1	33023	-0.04	protein_coding	16	56716336	56718108	metallothionein 1X
34897	ENSG00000140397	UBE2C2	33031	-0.04	protein_coding	15	7612522	76125419	ubiquitin-conjugating enzyme E2C family member 2
34900	ENSG00000102681	ACTR11	33033	-0.04	protein_coding	15	61733000	61733000	actin 1 (C8orf11) interacting protein 15
34918	ENSG00000106138	ITGAS	33050	-0.04	protein_coding	12	54788045	54813244	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)
34981	ENSG00000189006	SNX5	33108	-0.04	protein_coding	20	17922241	17949623	sorting nexin 5
34990	ENSG00000106929	TNFRSF14A	33113	-0.04	protein_coding	4	5253368	5253368	transmembrane protein 14A
35010	ENSG00000132467	UTP3	33152	-0.04	protein_coding	4	7155419	71556267	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)
35018	ENSG00000106635	BCL7B	33158	-0.04	protein_coding	7	72950986	72972332	B-cell CLL/lymphoma 7B
35033	ENSG00000165488	INVS1	33158	-0.04	protein_coding	4	5462197	5462197	heterogeneous nuclear ribonucleoprotein A1
35084	ENSG00000102125	SPB21	33224	-0.04	protein_coding	17	33950505	34053346	adaptor-related protein complex 2, beta 1 subunit
35133	ENSG00000152842	GPDL	33274	-0.04	protein_coding	3	12431781	124321005	glycyl-L-prophosphate dehydrogenase 1-like
35161	ENSG00000104423	TRAF3IP1	33282	-0.04	protein_coding	3	4408208	44104008	MAP4 four-domain-like core domain 1
35178	ENSG00000193848	NDUF81	33319	-0.04	protein_coding	14	9252456	9252881	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa
35202	ENSG00000145833	DXK46	33336	-0.04	protein_coding	5	134094469	13419023	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46
35240	ENSG00000155488	TMEM81	33313	-0.04	protein_coding	11	9288371	9288371	transmembrane protein 81
35303	ENSG00000168741	NMT1	33421	-0.04	protein_coding	11	114128059	114184007	nicotianamine N-methyltransferase
35308	ENSG00000140334	TPRKB	33427	-0.04	protein_coding	2	73956231	73956231	TPRKB binding protein
35328	ENSG00000102681	ACTR11	33427	-0.04	protein_coding	15	5984210	5984210	actin 1 (C8orf11) interacting protein 15
35338	ENSG00000101882	NKAP	33455	-0.04	protein_coding	X	11909014	11907735	NFKB1 activating protein
35342	ENSG00000087269	NCP14	33457	-0.04	protein_coding	4	293660	2965112	NCP14 nuclear protein
35378	ENSG00000187134	AKR1C1	33487	-0.04	protein_coding	10	4934798	4934798	aldol-keto reductase family 1, member C1
35381	ENSG00000148374	TRAF3IP18	33489	-0.04	protein_coding	1	12989797	12989797	Rbx 11P4e activating protein 18
35392	ENSG00000064102	ASLN	33499	-0.04	protein_coding	12	27058114	27091259	astudin spermatogenesis regulator
35448	ENSG00000171513	ESRRB	33560	-0.04	protein_coding	11	6407304	64084915	estrogen-related receptor alpha
35488	ENSG00000161754	GY1	33597	-0.04	protein_coding	8	14875919	14875919	Tubulin beta 8 chain like protein (LOC703334)
35494	ENSG00000256566	CYR11	33687	-0.04	protein_coding	20	2447858	2448553	chaperonin 10
35503	ENSG00000186923	PDLIM7	33687	-0.04	protein_coding	5	17891096	17894607	phosphatidylethanolamine phosphatase
35621	ENSG00000106635	SORBS1	33724	-0.04	protein_coding	11	9701159	9701171	SORBS1 domain containing 1
35624	ENSG00000166285	CYR11	33731	-0.04	protein_coding	21	27838528	27838503	chaperonin 10
35626	ENSG00000186139	AKR1C3	33732	-0.04	protein_coding	10	5077546	5149878	aldol-keto reductase family 1, member C3
35654	ENSG00000102681	ACTR11	33732	-0.04	protein_coding	15	33		

36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	15360402	15360413	S100 calcium binding protein A1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	4	12271819	12271819	12 kDa cytosolic domain 8
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	16	21268773	21268773	zona pellucida glycoprotein 2 (sperm receptor)
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	2	96940074	96940077	small nuclear ribonucleoprotein 200kDa (U5)
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	102467967	102467967	nucleoporin 37kDa
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	22195237	22195237	sarff domain containing kinase 3
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	74078278	74078278	ococyte expressed protein
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	8075891	8102811	cytosolic transcription elongation factor 1 epsilon 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	19	36639152	36639152	FXD1 domain containing on transport regulator 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	15489502	15489502	pygopus family PWD finger 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	2	4652896	4651936	endoreplicative PAS domain protein 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	2	19978756	14324311	late polycomb repressor homolog 4
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	X	12555548	12547317	RNA binding motif protein, X-linked 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	13	36584003	36512252	proline and serine rich 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	92688770	92648166	NLR family, pyrin domain containing 11
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	15	66737297	66842115	zinc finger kintochore protein
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	11	61170121	61197303	cleavage and polyadenylation specific factor 7, 59kDa
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	9006814	69136795	nucleoporin 107kDa
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	7	73213872	73247014	claudin 4
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	10	111624204	111683111	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	19	15061701	15066930	golg phosphoprotein 3-like
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	5	1785000	1801480	mitochondrial ribosomal protein L36
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	14	74523553	74551196	aldehyde dehydrogenase 6 family, member A1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	124432007	124452378	collet-coiled domain containing 59
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	11	58607748	58615517	ococyte secreted protein 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	16128517	161255240	Purkinje cell protein 4 like 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	11	362614	414909	zinc finger 3
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	10	106113522	106214848	collet-coiled domain containing 147
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	11	20624966	20680831	solute carrier family 6 (neurotransmitter transporter), member 5
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	18	257116	257116	NDC80 kinetochore complex component
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	36787632	36789755	eva-1 homolog B (C. elegans)
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	14	9326576	93306308	golphin A5
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	10	7182510	7182510	apoptosis-inducing factor, mitochondrial-associated, 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	5	149493400	14953535	platelet-derived growth factor receptor, beta polypeptide
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	11	56404	564021	Ras association (RaGDS/SAF-6) domain family (N-terminal) member 7
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	18	633366	633366	subunit protein containing E3 ubiquitin protein ligase
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	7	133069137	133161774	fibronin-like 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	14886252	14902004	synovial apoptosis inhibitor 1, synovial
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	7	7285708	7285708	brucanin/annexin to zinc finger domain, 1B
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	14952720	14930936	H2A histone family, member 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	7884555	7871055	developmental pluripotency associated 3
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	12	3614	3614	collet-coiled domain containing 59
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	13849642	13842948	PERP, TP53 apoptosis effector
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	74062785	74048018	developmental pluripotency associated 5
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	17	7701886	77045970	Ctla and tumor necrosis factor related protein 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	3	4693293	4693293	muscle, light chain 3, alpha, ventricular, skeletal, slow
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	3	39224701	39234087	sin actin-binding repeat containing 3
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	7	1749186	1749186	growth factor receptor bound protein 7
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	17	63340667	63340667	phospholipase C, group IV 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	3	21727734	21727734	spindle and kinetochore associated complex subunit 3
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	8	11613568	11601379	histone H2B-like histone domain containing 3
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	14	2474474	2474474	Rib gene regulatory element, alpha subunit
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	22641139	22641175	MAP paired-like homeobox
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	7	96749922	96811075	ACIN1 homolog (S. cerevisiae)
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	17	154214927	154246311	H2C1.51 associated protein X1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	16	1993975	2007697	protein phosphatase 1, regulatory subunit 15A
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	18	3068805	3220106	ubiquitin polyubiquitinase complex subunit 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	81003692	81003692	WWF domain binding protein 4
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	4	4937549	4937549	myosin 1B
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	18	3435987	3449158	CuSR1 motif containing 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	18	4335987	4349158	protein phosphatase 1, regulatory subunit 15A
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	15	77712754	7777949	high mobility group 20A
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	18081808	1815358	actin-like 8
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	10	1293147	13161652	collet-coiled domain containing 3
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	3	11232407	11236837	collet-coiled domain containing 80
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	15529300	15545490	synaptotagmin X1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	1810077	1810077	immune response 5
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	211744901	211752084	solute carrier family 30 (zinc transporter), member 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	3	12484554	12477402	heart development protein with EGF-like domains 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	2	2078132	2078132	FAST kinase domain 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	5	6540557	6547780	caseinolytic mitochondrial matrix peptidase chaperone subunit
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	9	8003795	8003823	guanine nucleotide binding protein (G protein), alpha 14
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	9	53734	541780	muscular LIM domain protein 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	11	1920378	1923210	cytosine and arginine-rich protein 3 (cardiac LIM protein)
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	9	13330316	13337861	argininosuccinate synthase 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	56214	56214	matrix metalloproteinase 2, gelatinase A, 72kDa gelatinase, 72kDa type II (collagenase)
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	15	4419161	4419161	WW repeat domain 76
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	X	91034280	91034280	gelatinase/heparinase 11 X-linked
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	11513360	11513361	cytosine deaminase type 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	4	12029939	12010844	myosin 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	5	13781179	13780504	early growth response 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	1	53623	53623	family with sequence similarity 220, member A
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	16	6933558	6935414	Uncharacterized protein
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	4	8014848	80247204	N(alfah)acetyltransferase 11, N(alfah) catalytic subunit
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	3	5248118	5248680	protoporphyrin 1, heavy chain 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	10	5291165	5291165	ankyrin repeat domain 1 (cardiac muscle)
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	3	3301810	33138722	palmitoyl-CoA synthase, beta 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	X	15296548	15296240	solute carrier family 6 (neurotransmitter transporter), member 8
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	62679076	62689994	SRY (sex determining region Y) box 18
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	20	2815860	2815860	PC-esterase domain containing 1A
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	17	22982160	22982160	mitochondrial aminoxylase reducing component 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	17	718486	718486	solute carrier family 2 (glucose transporter), member 4
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	14	5727425	57277197	orthodielase homolog 2
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	14	10243085	10251729	dysmem, cytoplasmic 1, heavy chain 1
36699	ENSG00000180678	ST0A1	34895	-0.04	protein_coding	6	18887472	18887472	cytosine deaminase type 1, alpha 1
36699	ENSG00000180678	ST0A1	34895	-0.04					

38130	ENSG00000104879	GKM	36282	-0.04	protein_coding	1	45869072	45826235	creatine kinase, muscle
38131	ENSG00000105927	RHSD9B	36283	-0.04	protein_coding	19	5388204	5388204	ribosomal protein S28
38151	ENSG00000104675	IQJB	36300	-0.04	protein_coding	7	12309254	123175131	IQ motif and ubiquitin domain containing
38158	ENSG00000105593	SMYD1	36306	-0.04	protein_coding	2	8834729	88412906	SET and MYND domain containing 1
38168	ENSG00000104696	DUF007	36313	-0.04	protein_coding	3	5006239	5006239	distal specificity phosphatase 7
38179	ENSG00000105999	MLXIP	36330	-0.04	protein_coding	1	7263762	7263762	lysine-specific proline-lysine
38181	ENSG00000105244	MFSD5	36333	-0.04	protein_coding	12	53845035	53845189	major facilitator superfamily domain containing 5
38197	ENSG00000105251	POE8B	36355	-0.04	protein_coding	5	7656274	7672952	phosphotransferase 8B
38204	ENSG00000104878	NUDT2	36358	-0.04	protein_coding	9	3432958	34333399	nucl. (nucleoside diphosphate linked moiety X)-type motif 2
38212	ENSG00000105787	ATL2	36369	-0.04	protein_coding	2	3852022	38504427	atlastin/GTPase 2
38231	ENSG00000105026	COX6B	36389	-0.04	protein_coding	14	5495597	5495597	cyclic-dependent kinase/receptor 3
38238	ENSG00000107645	LPCTA4	36399	-0.04	protein_coding	15	8678983	8681130	lysophosphatidylcholine acyltransferase 4
38241	ENSG00000109175	CTIFB2	36402	-0.04	protein_coding	1	15625980	15625943	chromosome 1 open reading frame 85
38241	ENSG000001025149	MSANTD3-TMEFF1	36408	-0.04	protein_coding	9	10300453	1033918	MSANTD3-TMEFF1 readthrough
38253	ENSG00000104782	PLIN2	36410	-0.04	protein_coding	8	19108373	19149288	perilipin 2
38276	ENSG00000106448	NMI1	36439	-0.04	protein_coding	17	4312978	4313638	N-myristyltransferase 1
38280	ENSG00000102093	TMEM12	36446	-0.04	protein_coding	19	2309184	2309509	signal peptide/epitope-like 2B
38283	ENSG00000107041	TMEM182	36444	-0.04	protein_coding	2	10335367	10346032	transmembrane protein 182
38289	ENSG00000102743	IL17B	36453	-0.04	protein_coding	5	14875087	14878376	interleukin 17B
38300	ENSG00000107468	SYRFL	36464	-0.04	protein_coding	1	52414629	52417983	broctomolamin, anti-specific
38305	ENSG00000108739	CEBP2	36467	-0.04	protein_coding	2	37428631	37443306	CEBP2 antisense RNA 1
38326	ENSG00000102473	KULH3	36492	-0.04	protein_coding	6	53512699	53530506	kech-like family member 31
38331	ENSG00000104701	APOR2C2	36498	-0.04	protein_coding	8	41021403	41022250	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2
38339	ENSG0000010082516	GEMIN3	36507	-0.04	protein_coding	5	15428970	15431769	gem (nuclear organelle) associated protein 5
38353	ENSG000001051813	LARP4	36529	-0.04	protein_coding	12	5078166	5078377	La ribonucleoprotein domain family member 4
38354	ENSG00000105224	ATF31	36529	-0.04	protein_coding	11	46839926	46839926	autophagy related 15
38360	ENSG00000107514	POLD3	36533	-0.04	protein_coding	11	7420486	74380162	polymerase (DNA-directed), delta 3, accessory subunit
38371	ENSG000001020253	NUP45	36545	-0.04	protein_coding	6	15004541	15007081	nucleoporin 43kDa
38371	ENSG00000105929	CTB89	36549	-0.04	protein_coding	11	6306264	6306264	CotG2 guanine nucleotide exchange factor (GEF) 9
38386	ENSG00000108928	CTB89	36562	-0.04	protein_coding	16	7523794	7524103	chrysothymosin B2
38397	ENSG00000104530	STARTD10	36577	-0.04	protein_coding	11	7245774	7250472	SMAR-related lipid transfer (START) domain containing 10
38412	ENSG00000102870	CEAD	36583	-0.04	protein_coding	1	560338	560338	CEAD (anti-Gli3-like) box polypeptide 4
38414	ENSG000001098121	LPAR1	36585	-0.04	protein_coding	9	11363543	11380091	lysophosphatidic acid receptor 1
38432	ENSG00000106397	ATG4B	36626	-0.04	protein_coding	2	24257628	24261372	autophagy related 4B, cysteine peptidase
38438	ENSG00000105929	CTB89	36638	-0.04	protein_coding	2	21113124	21113124	myosin light chain 1, alpha skeletal muscle
38467	ENSG00000105632	TAF3	36655	-0.04	protein_coding	10	780647	780647	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 140kDa
38468	ENSG00000105328	CAPN15	36659	-0.04	protein_coding	16	57717	604636	calpain 15
38472	ENSG00000105148	SYT16	36662	-0.04	protein_coding	11	13121245	13123311	synaptin 2
38474	ENSG00000105733	BMS1	36659	-0.04	protein_coding	10	4327809	4330385	BMS1 ribosome biogenesis factor
38475	ENSG00000103878	TMEM254	36659	-0.04	protein_coding	10	8193842	8185231	transmembrane protein 254
38485	ENSG00000100969	SYT16	36669	-0.04	protein_coding	11	875683	875683	DBP-A homolog (S. cerevisiae)
38488	ENSG00000103973	SYT16	36669	-0.04	protein_coding	14	62453803	62598431	synaptotagmin XVI
38492	ENSG00000103813	KIAA388	36673	-0.04	protein_coding	9	11422972	11424725	KIAA388
38494	ENSG00000106994	PANX1	36675	-0.04	protein_coding	10	5520479	5520479	connexin 2
38496	ENSG00000101024	PANX1	36675	-0.04	protein_coding	11	6386284	63975138	connexin 2
38497	ENSG00000105784	FAM72D	36676	-0.04	protein_coding	1	14388642	14391313	family with sequence similarity 72, member D
38517	ENSG00000106204	SMKRN1	36681	-0.04	protein_coding	7	12914230	12915273	small vprain-RD protein 1
38517	ENSG00000107165	FEZ2	36681	-0.04	protein_coding	2	36717670	36717670	fasciculation and elongation protein alpha 2 (zypin II)
38520	ENSG00000106842	ITGBL1	36703	-0.04	protein_coding	13	10210496	10237456	integrin, beta-1 (with EGF-like repeat domains)
38528	ENSG00000106624	XAB2	36711	-0.04	protein_coding	19	7684411	7684411	XPA-binding protein 2
38531	ENSG00000106166	CEPML1	36713	-0.04	protein_coding	22	42331475	42331475	protein 1, member M
38546	ENSG000001051162	BMP6	36729	-0.04	protein_coding	6	7727020	7818165	bone morphogenetic protein 6
38547	ENSG00000109001	ALKBH1	36730	-0.04	protein_coding	14	7813847	7817363	zinc, alviation repair homolog 1 (E. coli)
38548	ENSG00000105885	COX6A2	36730	-0.04	protein_coding	11	21432952	21433697	cytochrome c oxidase subunit 6a polypeptide 4
38562	ENSG000001081324	FAM109A	36751	-0.04	protein_coding	12	11178845	11180925	family with sequence similarity 109, member A
38565	ENSG00000109193	KIF14	36753	-0.04	protein_coding	1	20052028	20058962	kinesin family member 14
38566	ENSG00000104317	GRIH1	36753	-0.04	protein_coding	14	10885411	10714411	granulosa cell protein 1 (Disposolia)
38568	ENSG00000104357	NEURL1B	36755	-0.04	protein_coding	17	17208269	17211843	neuronal E3 ubiquitin protein ligase 1B
38584	ENSG00000108653	ZNF502	36787	-0.04	protein_coding	3	4475435	4478323	zinc finger protein 502
38584	ENSG00000105341	SH3DCL2	36787	-0.04	protein_coding	3	13170382	13170382	SH3-domain class 2 endophilin B2
38584	ENSG00000108650	KOZM2	36789	-0.04	protein_coding	1	2764851	27662891	transmembrane protein 222
38610	ENSG00000108596	NDOR1	36790	-0.04	protein_coding	9	14010947	140111481	NADPH-dependent flavin oxidoreductase 1
38620	ENSG00000103030	TMEM17	36793	-0.04	protein_coding	22	3744129	3744129	potassium channel tetramer domain containing 17
38638	ENSG000001009509	DHPS	36825	-0.04	protein_coding	19	12786531	12792716	deoxythymine synthase
38645	ENSG00000106746	ANG10	36829	-0.04	protein_coding	3	4339351	4373308	angiotensin 10
38661	ENSG00000105817	SYRFL	36839	-0.04	protein_coding	1	7442319	7442319	synaptotagmin 2-like
38662	ENSG00000103472	FAM12	36854	-0.04	protein_coding	12	5026079	5028000	Fas apoptotic inhibitor molecule 2
38666	ENSG00000103200	FRMP2	36858	-0.04	protein_coding	17	4988589	4972093	myosin phosphatase Rho interacting protein
38676	ENSG00000106862	PNK1	36862	-0.04	protein_coding	18	6756188	6756188	phospho 12/15-oxolane-induced protein 1
38685	ENSG000001059347	GSP2	36876	-0.04	protein_coding	16	2032084	2031930	glycoprotein 2 (lysosomal granule membrane)
38688	ENSG000001008399	LYRM2	36880	-0.04	protein_coding	6	8027783	8030482	LYRM motif containing 2
38698	ENSG00000105768	MIR617	36884	-0.04	protein_coding	1	5601894	5601894	microRNA-617
38703	ENSG00000105361	PTX3	36901	-0.04	protein_coding	3	15715479	15716147	pentraxin 3, long
38705	ENSG00000105260	TRIM38	36904	-0.04	protein_coding	5	11448049	11458243	tripartite motif containing 38
38711	ENSG00000105831	TRIM38	36904	-0.04	protein_coding	5	841823	841823	ankyrin beta (AI) protein-protein-binding family B, member 1 (Fe55)
38715	ENSG000001059271	HSPE3	36916	-0.04	protein_coding	5	5375445	5379207	heat shock 27kDa protein 3
38718	ENSG00000107707	PROX1	36918	-0.04	protein_coding	1	21415624	21414895	proteasome box 1
38720	ENSG00000104278	DRK1B	36920	-0.04	protein_coding	20	4482020	4482020	dyadkin (dystrophin-binding protein 1) domain containing 2
38722	ENSG00000105708	CADM3	36920	-0.04	protein_coding	1	15911399	15911303	cell adhesion molecule 3
38734	ENSG000001051835	NKX2-2	36930	-0.04	protein_coding	13	2390295	2400781	specific ataxia of Charlevoix-Saguenay (sacsm)
38739	ENSG00000105201	SNCA	36930	-0.04	protein_coding	8	5346129	5346129	alpha-synuclein
38741	ENSG00000109041	GTFC3	36938	-0.04	protein_coding	2	19762756	19766449	general transcription factor IIC3, polypeptide 3, 102kDa
38743	ENSG000001058306	NPM2	36942	-0.04	protein_coding	8	21894160	21894408	nucleophosmin/nucleoplasm 2
38748	ENSG000001081652	RNF41	36949	-0.04	protein_coding	12	5956269	5951517	ring finger protein 41
38773	ENSG00000105205	COX4	36953	-0.04	protein_coding	2	24215210	24217445	cytochrome c oxidase subunit 4 polypeptide 44
38777	ENSG000001054556	SORBS2	36977	-0.04	protein_coding	4	18650598	18657706	sorbin and SH3 domain containing 2
38783	ENSG00000108175	TNNT3	36982	-0.04	protein_coding	10	8682762	8107678	zinc finger, MYL-type containing 1
38784	ENSG00000105066	TRAF3	36983	-0.04	protein_coding	6	1840794	1840794	trypsin 1, type 3 (catalytic, beta)
38784	ENSG000001008436	COL1A1	37002	-0.04	protein_coding	1	32117848	32189920	collagen, type XVI, alpha 1
38786	ENSG000001064939	NAP1L2	37003	-0.04	protein_coding	8	8626996	8626129	carbonic anhydrase II, muscle specific
38786	ENSG000001064940	NAP1L2	37003	-0.04	protein_coding	8	7451815	7451815	nucleosome assembly protein 1-like 2
38810	ENSG000001066106	ADAMTS15	37017	-0.04	protein_coding	11	13031869	13034632	ADAM metalloproteinase with thrombospondin type 1 motif, 15
38819	ENSG000001028470	TMEM189	37028	-0.04	protein_coding	2	12097884	12098084	transmembrane protein 189B
38820	ENSG00000106386	MKP11	37028	-0.04	protein_coding	22	8070742	8070742	mitogen-activated protein kinase 11
38823	ENSG00000107760	JUN	37028	-0.04	protein_coding	1	5924645	59249785	jun proto-oncogene
38827	ENSG000001074804	TRAF2	37032	-0.04	protein_coding	11	86965721	8696843	IKK2 family receptor 4
38829	EN								

39146	ENSG00000146416	AJUT	37370.6	-0.04	protein_coding	6	143381633	143961441	androgen-induced 1
39158	ENSG00000102695	HNA1A1	37371.0	-0.04	protein_coding	3	42714118	42714118	histidine acetyltransferase-like
39176	ENSG00000103789	MNPP1	37401.3	-0.04	protein_coding	10	89254632	89312117	multiple inositol polyphosphate phosphatase 1
39179	ENSG00000137720	C11orf1	37403.2	-0.04	protein_coding	11	111746959	111746959	chromosome 11 open reading frame
39183	ENSG00000046489	CFI	37405.6	-0.04	protein_coding	6	1616881	1614127	ribonacid box C1
39184	ENSG00000141127	PRPSA2P1	37407.0	-0.04	protein_coding	17	18743356	18834581	phosphoribosyl pyrophosphate synthetase-associated protein 2
39190	ENSG00000089048	ESF1	37409.7	-0.04	protein_coding	20	13694699	13765532	ESF1, nuclear pre-rRNA processing protein, homolog (S. cerevisiae)
39201	ENSG00000191722	PRKX	37419.5	-0.04	protein_coding	20	35973969	36051627	v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog
39209	ENSG00000101633	PRKX2	37421.6	-0.04	protein_coding	10	13242780	13248475	related to homeobox 2
39211	ENSG00000159225	GPWMA	37434.2	-0.04	protein_coding	4	17655486	17692815	glycoprotein M6A
39212	ENSG00000129250	TMEM65	37435.2	-0.04	protein_coding	A	100331769	100351553	transmembrane protein 65
39216	ENSG00000162999	DUSP19	37439.0	-0.04	protein_coding	2	183943287	183944733	carbohydrate (heparan sulfate Gal-6) sulfotransferase 1
39218	ENSG00000149361	OSGIN1	37439.4	-0.04	protein_coding	16	83981887	83999857	dual specificity phosphatase 19
39221	ENSG00000101160	SULF2	37439.6	-0.04	protein_coding	19	47911874	47911874	oxidative stress induced growth inhibitor 1
39223	ENSG00000124191	TOX2	37442.2	-0.04	protein_coding	20	42543504	42688256	solute carrier family 8 (potassium/cation exchanger) member 2
39229	ENSG00000136014	USP4A	37444.1	-0.04	protein_coding	12	95910336	95944268	TOX high mobility group box family member 2
39231	ENSG00000103469	TCERG1	37447.0	-0.04	protein_coding	5	145892814	145891524	ubiquitin specific peptidase 44
39233	ENSG00000175161	CADM2	37449.4	-0.04	protein_coding	3	85008132	86123579	transcription elongation regulator 1
39234	ENSG00000164253	WDR41	37450.6	-0.04	protein_coding	5	76717195	76916436	cell adhesion molecule 2
39238	ENSG00000103244	SNAP25	37452.3	-0.04	protein_coding	16	3193302	3201660	WD repeat domain 41
39237	ENSG00000132639	SNAP25	37453.2	-0.04	protein_coding	20	10198478	10288066	regulator of G-protein signaling 11
39239	ENSG00000415991	ADBR1	37456.7	-0.04	protein_coding	10	115803866	116006667	synaptosomal-associated protein, 25kDa
39244	ENSG00000271303	SROX1	37461.4	-0.04	protein_coding	20	6227298	6240114	adrenocorticoid beta 1
39256	ENSG00000185100	ADSSL1	37475.1	-0.04	protein_coding	14	105180523	105213682	sulfonamide 1
39258	ENSG00000187772	ANGPTL4	37477.7	-0.04	protein_coding	19	8428173	8439227	adenylsuccinate lyase like 1
39264	ENSG00000103329	RFXO1	37482.7	-0.04	protein_coding	16	9069265	9073360	apoptosis-like 4
39267	ENSG00000168448	TMEM130	37483.8	-0.04	protein_coding	7	98441110	98488384	RNA binding protein, Fox1 homolog (C. elegans) 1
39268	ENSG00000189813	ENHO	37484.3	-0.04	protein_coding	9	34521038	34523039	transmembrane protein 130
39270	ENSG00000106403	SULF4	37484.8	-0.04	protein_coding	9	72032768	72436612	transmembrane protein 130
39274	ENSG00000127585	FBLN1B	37489.2	-0.04	protein_coding	6	742500	755829	glycine homeostasis associated
39278	ENSG00000184876	KIAX1161	37490.9	-0.04	protein_coding	9	34366668	34376851	solute carrier family 8 (potassium/cation exchanger) member 4
39279	ENSG00000104445	PLXNA2	37492.9	-0.04	protein_coding	9	14008788	14009408	F-box and leucine-rich repeat protein 16
39286	ENSG00000176356	KIAXNA2	37502.0	-0.04	protein_coding	1	208195587	208417665	histidinol dehydrogenase
39303	ENSG00000147642	SYBU	37515.8	-0.04	protein_coding	8	110586207	110704200	pevin A2
39311	ENSG00000101611	SYBU	37515.8	-0.04	protein_coding	8	110586207	110704200	synbulbin (tyrosine-interacting)
39318	ENSG00000109794	FAM145A	37538.8	-0.04	protein_coding	4	187025573	187093821	CtBP and zona radialis-like domain 1
39323	ENSG00000191240	FZD1	37544.2	-0.04	protein_coding	7	90987873	90988123	family with sequence similarity 145, member A
39328	ENSG00000191218	SRB1	37548.0	-0.04	protein_coding	3	54693355	54693355	frizzled family receptor 1
39331	ENSG00000156219	ART3	37551.7	-0.04	protein_coding	4	76932337	77039855	small GTPase DNA binding protein 3
39344	ENSG00000184162	NR2C2AP	37561.4	-0.04	protein_coding	19	18312225	18314233	ADP-ribosyltransferase 3
39353	ENSG00000163878	BRCA1	37562.8	-0.04	protein_coding	21	21558229	21558229	nuclear receptor 2C2-associated protein
39364	ENSG00000142902	DPP9	37591.9	-0.04	protein_coding	19	4675298	4742685	

39818	ENSG00000182596	DHRAS3	36777.8	-0.04	protein_coding	1	68511645	68517314	DIRAS3 family, GTP-binding RAS-like 3
39819	ENSG00000181719	FILIP	38163.2	-0.04	protein_coding	17	80026468	80031408	filipin synthase
39820	ENSG00000154977	MICAL2L	35096.1	-0.04	protein_coding	7	14681101	14691138	MICAL-like 2
39821	ENSG00000166924	NTAP1	35986.8	-0.04	protein_coding	7	100081550	100024222	neuronal tyrosine-phosphorylated phosphoinositide-3-kinase adaptor 1
39822	ENSG00000204899	TCEAL5	38100.1	-0.04	protein_coding	X	102528910	102531800	transcription elongation factor A (SII)-like 6
39823	ENSG00000185151	BCAL	38115.4	-0.04	protein_coding	X	101466390	101469529	brain expressed, X-linked 5
39824	ENSG00000152126	NRPB1	38118.6	-0.04	protein_coding	2	27850557	278505126	nuclear receptor binding protein 2
39825	ENSG00000198439	CAMK3C	38127.2	-0.04	protein_coding	4	86948276	87011528	mitogen-activated protein kinase 10
39826	ENSG00000209404	CAMK3B	38137.3	-0.04	protein_coding	4	44283749	44301576	calcium/calmodulin-dependent protein kinase 1 beta
39827	ENSG00000211890	NPTXR	38139.5	-0.04	protein_coding	22	39214457	39219987	neuronal pentraxin receptor
39828	ENSG00000172244	CSPG4	38141.5	-0.04	protein_coding	5	5348980	4931524	chromosome 5 open reading frame 34
39829	ENSG00000171059	IRAK3	38145.5	-0.04	protein_coding	19	17192695	1729445	IL1-inflammasome
39830	ENSG00000186868	MAPT	38153.3	-0.04	protein_coding	17	43971748	44105700	microtubule-associated protein tau
39831	ENSG00000171303	KCNK1	38158.6	-0.04	protein_coding	2	26915619	26982828	potassium channel, subfamily K, member 3
39832	ENSG00000110074	FOXP2D1	38159.2	-0.04	protein_coding	11	129139089	129146826	FOXO-dependent endonuclease domain containing 1
39833	ENSG00000212653	PRKCG	38164.8	-0.04	protein_coding	19	54382444	54410900	protein kinase C, gamma
39834	ENSG00000183536	SEPPIN1	38167.2	-0.04	protein_coding	3	167453031	167454356	serpin peptidase inhibitor, clade I (neuroserpin), member 1
39835	ENSG00000112902	SEMA5A	38167.5	-0.04	protein_coding	5	9035138	9046187	semia domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A
39836	ENSG00000165818	CADPS	38169.7	-0.04	protein_coding	3	62340222	62361104	Ca ²⁺ -dependent secretory activator
39837	ENSG00000204477	SPPL7	38171.6	-0.04	protein_coding	14	39831299	39936094	spERM/alphaogenesis associated 7
39838	ENSG00000183763	KCTD8	38171.8	-0.04	protein_coding	4	44175926	44458024	potassium channel tetramerization domain containing 8
39839	ENSG00000122111	PRICKLE3	38173.8	-0.04	protein_coding	X	48031151	48042485	prickle homolog 3 (Drosophila)
39840	ENSG00000200603	TDR15	38175.5	-0.04	protein_coding	1	11942669	119523179	TDR15
39841	ENSG00000180828	BHLHE22	38177.9	-0.04	protein_coding	8	65482814	65496181	basic helix-loop-helix family, member c22
39842	ENSG00000151229	SLC2A13	38178.5	-0.04	protein_coding	12	40148823	40489891	solute carrier family 2 (facilitated glucose transporter), member 13
39843	ENSG00000160153	FICF3	38179.7	-0.04	protein_coding	1	2112963	21003377	eukaryotic translation initiation factor 4, gamma, 3
39844	ENSG00000130158	LOC6761	38184.1	-0.04	protein_coding	19	11306971	11317357	dedicator of cytokinesis 6
39845	ENSG00000123572	NRK	38187.2	-0.04	protein_coding	X	100958536	100920202	NK related kinase
39846	ENSG00000119161	PRICK5	38192.3	-0.04	protein_coding	1	13071354	13072004	TNF receptor-associated factor 2
39847	ENSG00000197119	SLC25A29	38193.4	-0.04	protein_coding	14	100757448	100772884	solute carrier family 25 (mitochondrial carnitine/acylcarnitine carrier), member 29
39848	ENSG00000143850	PLEKHA6	38202.6	-0.04	protein_coding	1	204187979	204346793	pleckstrin homology domain containing, family A member 6
39849	ENSG00000101622	LOC7253	38205.7	-0.04	protein_coding	1	68730119	68693601	pleckstrin
39850	ENSG00000180561	MID2	38211.7	-0.04	protein_coding	X	10709895	107170423	midline 2
39851	ENSG00000177446	ACAD9	38214.4	-0.04	protein_coding	3	12858439	12863430	acyl-CoA dehydrogenase family, member 9
39852	ENSG00000160143	RIOK1	38215.8	-0.04	protein_coding	3	41184161	41184187	rho GTPase-activating protein 22
39853	ENSG00000128805	ARHGAP22	38214.4	-0.04	protein_coding	10	49654077	49664310	Rho GTPase activating protein 22
39854	ENSG00000186193	WDR4	38227.7	-0.04	protein_coding	21	44242024	44259678	WD repeat domain 4
39855	ENSG00000109458	RIMK2	38229.6	-0.04	protein_coding	3	21752628	21752628	insulin-like growth factor binding protein 5
39856	ENSG00000105148	RF3A	38234.7	-0.04	protein_coding	18	77754358	77809397	ribosome binding factor A (putative)
39857	ENSG00000198787	HIST2TH2A	38235.6	-0.04	protein_coding	6	27100832	27403970	histone cluster 1, H2ag
39858	ENSG00000107954	LOC7254	38235.7	-0.04	protein_coding	10	10028296	10028296	membrane G3 alpha protein ligase 1
39859	ENSG00000115204	MPV17	38244.7	-0.04	protein_coding	2	27532960	27524847	MPV17 mitochondrial inner membrane protein
39860	ENSG00000117016	RIMS3	38247.4	-0.04	protein_coding	1	41063851	41131329	regulating synapse membrane exocytosis 3
39861	ENSG00000198170	BCAS2	38259.6	-0.04	protein_coding	14	104628681	104629249	BCL2-associated atrophagy 5
39862	ENSG00000203256	USP21	38259.6	-0.04	protein_coding	16	161192493	161193513	ubiquitin-specific peptidase 21
39863	ENSG00000198276	LICK1	38263.9	-0.04	protein_coding	20	62571186	62587769	uridine-cytidine kinase 1-like 1
39864	ENSG00000160463	ZNF749	38269.1	-0.04	protein_coding	6	3574596	35687659	zinc finger, NFX-type 4
39865	ENSG00000109341	COR2B	38269.6	-0.04	protein_coding	15	68871308	69020145	coronin, actin binding protein, 2B
39866	ENSG00000144834	TAGLN3	38278.4	-0.04	protein_coding	3	111772734	111772734	transgelin 3
39867	ENSG00000128422	KRT17	38286.2	-0.04	protein_coding	17	39715699	39718104	keratin 17
39868	ENSG00000103064	MURK1	38290.1	-0.04	protein_coding	17	103340281	103350189	mouse, acetylated histone H3
39869	ENSG00000114749	CDK5R1	38291.4	-0.04	protein_coding	17	30813637	30812742	cyclin-dependent kinase 5, regulatory subunit 1 (p35)
39870	ENSG00000170500	XIRC1	38291.5	-0.04	protein_coding	4	40441792	40484625	X-ray repair complementing defective repair in Chinese hamster cells 1
39871	ENSG00000206649	ASB1	38292.4	-0.04	protein_coding	2	23931383	23931383	arivinyon and SOX-3 box containing 1
39872	ENSG00000107910	FIMP7	38295.2	-0.04	protein_coding	2	17932831	17934337	FKBP6 binding protein 7
39873	ENSG00000080470	DKO2	38296.6	-0.04	protein_coding	1	112297867	112298338	DEAD (Asp-Glu-Ala-His) box polypeptide 20
39874	ENSG00000170784	PRICK2	38297.1	-0.04	protein_coding	1	11016953	11018529	p21 protein (p21) ^{ras} -activated kinase 3
39875	ENSG00000088882	CPXM1	38305.6	-0.04	protein_coding	20	2784183	2784283	carboxypeptidase X (M14 family), member 2
39876	ENSG00000136425	CIR2	38310.5	-0.04	protein_coding	15	78399448	78423988	calcium and integrin binding family, member 2
39877	ENSG00000103758	STYX3	38312.2	-0.04	protein_coding	4	46119955	46065801	calcium and integrin binding family, member 3
39878	ENSG00000103284	FBOX31	38313.5	-0.04	protein_coding	16	87380593	87425748	F-box protein 31
39879	ENSG00000102846	DHX40	38318.8	-0.04	protein_coding	17	57642896	57685706	DEAH (Asp-Glu-Ala-His) box polypeptide 40
39880	ENSG00000102270	SLC44A1	38319.3	-0.04	protein_coding	19	11821914	11821914	SLC44-like 1, ion channel protein
39881	ENSG00000070214	SLC44A1	38319.3	-0.04	protein_coding	9	180809003	180824102	solute carrier family 4 (cholerae transporter), member 1
39882	ENSG00000196361	ELAVL3	38325.4	-0.04	protein_coding	19	11562141	11569181	ELAV like neuron-specific RNA binding protein 3
39883	ENSG00000112431	MAGO4B	38325.4	-0.04	protein_coding	X	5162493	5162493	medusa neuron-specific protein, Drosophila
39884	ENSG00000120158	RCL1	38327.4	-0.04	protein_coding	9	4792669	4805917	RNA terminal phosphate cydase-like 1
39885	ENSG00000108856	SYN1	38335.4	-0.04	protein_coding	X	47431303	47479252	synapsin 1
39886	ENSG00000113118	NEMO1	38337.0	-0.04	protein_coding	8	6182828	6182828	N-terminal EEZ domain binding protein 1
39887	ENSG00000108360	CEP350	38337.4	-0.04	protein_coding	14	10100448	101003750	brain-enriched guanylate kinase-associated
39888	ENSG00000198982	CITND2	38342	-0.04	protein_coding	5	10971952	11064155	catenin (cadherin-associated protein), delta 2
39889	ENSG00000181873	CCND3	38342.8	-0.04	protein_coding	12	4851348	4851348	chromosome 12 open reading frame 68
39890	ENSG00000186192	SENPA	38352.1	-0.04	protein_coding	15	72406599	72433311	SUMO3/sentrin-specific peptidase family member 8
39891	ENSG00000181391	MAGI2	38352.8	-0.04	protein_coding	7	77848390	77892890	membrane associated guanylate kinase, WW and PDZ domain containing 2
39892	ENSG00000185858	OLR10A	38353.8	-0.04	protein_coding	7	12781907	12783464	oligosaccharyl transferase 2A
39893	ENSG00000141232	TDB1	38356.7	-0.04	protein_coding	17	48059584	48064339	transducin of ERBB2 1
39894	ENSG00000198747	HST1H3B	38365.9	-0.04	protein_coding	6	27775899	27803218	histone cluster 1, H2ab
39895	ENSG00000100268	CAN10	38368.0	-0.04	protein_coding	23	3788426	37968409	casepase recruitment domain family, member 10
39896	ENSG00000204444	PALM2	38372.1	-0.04	protein_coding	9	112430068	112371375	paralamin 2
39897	ENSG00000202155	DNAJ29	38374.1	-0.04	protein_coding	10	74943320	75008620	DnaJ (Hsp40) homolog, subfamily K, member 9
39898	ENSG00000134721	LOC7255	38377	-0.04	protein_coding	8	10568170	10568170	chromosome X open reading frame 57
39899	ENSG00000179314	WSCD1	38377.6	-0.04	protein_coding	17	5675554	6027747	WSC domain containing 1
39900	ENSG00000134259	NFCD	38379.5	-0.04	protein_coding	1	115883539	115888057	nerve growth factor (beta polypeptide)
39901	ENSG00000122499	KCNH9	38380.2	-0.04	protein_coding	20	43314421	43319753	potassium channel, subfamily K, member 15
39902	ENSG00000129818	BRCA2	38381.8	-0.04	protein_coding	30	2683916	26917805	breast cancer 2, early onset
39903	ENSG00000168680	ZBTB39	38382.6	-0.04	protein_coding	12	57392818	57400230	zinc finger and BTB domain containing 39
39904	ENSG00000168682	RAM2	38385.5	-0.04	protein_coding	4	39455744	39460968	ribosomal protein L9
39905	ENSG00000101203	LYP	38390.0	-0.04	protein_coding	3	4842498	4842618	lysophosphatidase 2
39906	ENSG00000203727	MAD6	38408	-0.04	protein_coding	6	14783069	14865883	sterile alpha motif domain containing 5
39907	ENSG00000189599	MAD6	38413	-0.04	protein_coding	4	36236707	36238206	sterile alpha motif domain containing 5
39908	ENSG00000103154	WDR87	38413.4	-0.04	protein_coding	18	12717814	12726948	membrane associated guanylate kinase, WW and PDZ domain containing 3
39909	ENSG00000193967	ESRP2	38431.8	-0.04	protein_coding	16	68250314	68270005	epithelial splicing regulatory protein 2
39910	ENSG00000205517	RGL3	38432	-0.04	protein_coding	19	11485017	11500018	rat galactose nucleotide dissociation stimulator-like 1
39911	ENSG00000206969	SNRP1	38432.5	-0.04	protein_coding	19	84292969		

Accession	Gene	Protein	Score	EC	UniProt	Accession	Gene	Protein	Score	EC	UniProt	
40133	ENSG00000101424	CEP78	38606	-0.04	protein_coding	10	12961832	1202776	44837	1	44403776	centrosomal protein 78kDa
40134	ENSG00000155171	SLC20A9	38618	-0.04	protein_coding	16	44483723	44483723	44483	1	44483723	solute carrier family 20 (neurotransmitter transporter, glycine), member 9
40135	ENSG00000102978	HSF1	38618.9	-0.04	protein_coding	16	67197268	67203488	67203	1	67203488	heat shock transcription factor 4
40136	ENSG00000158409	CELF3	38619.8	-0.04	protein_coding	1	15167480	15168290	15168	1	15168290	CELF3, ELAV-like family member 3
40137	ENSG00000196699	MIFF7	38622.1	-0.04	protein_coding	12	13237268	13236268	13236	1	13236268	matrix metalloproteinase 17 (membrane-inserted)
40138	ENSG00000192377	EIF5A2	38622.6	-0.04	protein_coding	3	17092434	17092434	17092	1	17092434	eukaryotic translation initiation factor 5A2
40139	ENSG00000166257	SCN3B	38623.2	-0.04	protein_coding	11	12349895	12352952	12352	1	12352952	sodium channel, voltage-gated, type III, beta subunit
40140	ENSG00000195244	CUC2A	38625.2	-0.04	protein_coding	1	44457031	44462200	44462	1	44462200	coiled-coil domain containing 24
40141	ENSG00000191914	LRN2A	38625.6	-0.04	protein_coding	1	28712669	28712669	28712	1	28712669	lin-3 homolog (C. elegans)
40142	ENSG00000172031	EPHX4	38644	-0.04	protein_coding	1	92495539	92495539	92495	1	92495539	sulfhydryl lyase 4
40143	ENSG00000165543	KCNQ2	38644	-0.04	protein_coding	20	56037542	56210993	56210	1	56210993	potassium voltage-gated channel, KChIP-like subfamily, member 2
40144	ENSG00000192963	HOKAY	38652.6	-0.04	protein_coding	1	17183335	27183335	27183	1	27183335	hemostasis A7
40145	ENSG00000169879	DMXL1	38648	-0.04	protein_coding	1	38022520	38022458	38022	1	38022458	dynam, axonal, light intermediate chain 1
40146	ENSG00000101000	PRICK1	38649	-0.04	protein_coding	20	32758876	32761765	32761	1	32761765	protein C receptor, endothelial
40147	ENSG00000000920	TMEM98	38656.6	-0.04	protein_coding	17	31294998	31294998	31294	1	31294998	transmembrane protein 98
40148	ENSG00000087715	SYT1	38654.7	-0.04	protein_coding	12	79257773	79485788	79485	1	79485788	synaptotagmin I
40149	ENSG00000292067	YIEFN3	38667	-0.04	protein_coding	19	19627036	19648300	19648	1	19648300	Yief N-terminal domain containing 3
40150	ENSG00000117561	INS2	38668	-0.04	protein_coding	1	32192169	32220484	32220	1	32220484	kran-specific oligopeptide inhibitor 2
40151	ENSG00000148400	TM7SF2	38669.8	-0.04	protein_coding	11	64876317	64883856	64883	1	64883856	transmembrane 7 superfamily member 2
40152	ENSG00000138676	FGF5	38670.9	-0.04	protein_coding	4	81117753	81257434	81257	1	81257434	fibroblast growth factor 5
40153	ENSG00000139844	KAN1B4	38671.5	-0.04	protein_coding	22	44619507	44719331	44719	1	44719331	KVAN1Z
40154	ENSG00000183763	TRAP1	38683	-0.04	protein_coding	3	49860404	49860407	49860	1	49860407	TRAF interacting protein
40155	ENSG00000172732	MUS81	38684	-0.04	protein_coding	11	65924597	65935124	65935	1	65935124	MUS81 structure-specific endonuclease subunit
40156	ENSG00000104051	ZFP1	38689.1	-0.04	protein_coding	15	65107633	65117867	65117	1	65117867	Pf1 Cln2/3 DNA helicase
40157	ENSG00000152620	NADK2	38691.3	-0.04	protein_coding	5	36150884	36242381	36242	1	36242381	NAD kinase 2, mitochondrial
40158	ENSG00000196408	NOKX1	38692.3	-0.04	protein_coding	16	2029818	2041383	20413	1	2041383	NADPH oxidase organizer 1
40159	ENSG00000186920	CBK2	38692.4	-0.04	protein_coding	2	232073970	232073970	23207	1	232073970	gastroenterin heparinectin 2
40160	ENSG00000105204	DYRK1B	38692.8	-0.04	protein_coding	19	40315990	40344841	40344	1	40344841	dual-specificity tyrosine-Y-phosphorylation regulated kinase 1B
40161	ENSG00000184336	TEIT	38697.5	-0.04	protein_coding	10	70320413	70454239	70454	1	70454239	tel methyltransferase dioxygenase 1
40162	ENSG00000146027	CTTN	38701	-0.04	protein_coding	9	9611200	9611200	9611	1	9611200	TEF1-interacting protein 1
40163	ENSG00000148120	Cbr19	38710	-0.04	protein_coding	9	9748883	97484411	97484	1	97484411	chromosome 9 open reading frame 3
40164	ENSG00000171450	CDKSR2	38711.9	-0.04	protein_coding	2	219824377	219826878	21982	1	219826878	cyclin-dependent kinase 5, regulatory subunit 2 (p38)
40165	ENSG00000164538	SMYD4	38714.4	-0.04	protein_coding	2	5313704	5313704	53137	1	5313704	solute carrier family 29 (neuroleptic sensitive transporter), member 4
40166	ENSG00000105208	CAC1	38719.2	-0.04	protein_coding	9	3610639	3620813	36208	1	3620813	calcium, sarcoplasmic Ca complex subunit
40167	ENSG00000200921	JPH4	38718.3	-0.04	protein_coding	14	24017244	24048009	24048	1	24048009	junctional protein 4
40168	ENSG00000105493	BTL1	38724.1	-0.04	protein_coding	18	44522268	44522268	44522	1	44522268	subunit transmembrane family 4B, member 1
40169	ENSG00000241945	PWP2	38719.3	-0.04	protein_coding	21	45527171	45521003	45521	1	45521003	PWP2 perodic tyrosylphosphon protein homology (yeast)
40170	ENSG00000186273	SMIM4	38726.1	-0.04	protein_coding	3	52649269	52813253	52813	1	52813253	small integral membrane protein 4
40171	ENSG00000192628	SMYD1B	38728	-0.04	protein_coding	20	31536261	31536261	31536	1	31536261	DNA cytosine-5 methyltransferase-like beta
40172	ENSG00000173711	PPP2R3A	38734	-0.04	protein_coding	3	135684515	135686453	13568	1	135686453	protein phosphatase 2, regulatory subunit B', alpha
40173	ENSG00000205118	KCNH2	38734.5	-0.04	protein_coding	7	150842049	150870403	15087	1	150870403	potassium voltage-gated channel, subfamily H (eag-related), member 2
40174	ENSG00000145389	BTD	38737.1	-0.04	protein_coding	4	10111647	10111647	10111	1	10111647	BTD domain containing 4
40175	ENSG00000103484	RPRP1L	38746.3	-0.04	protein_coding	16	53631595	53737850	53737	1	53737850	DNA-damage-inducible transcript 4-like
40176	ENSG00000107518	ATRNL1	38748.9	-0.04	protein_coding	10	11683124	11770803	11770	1	11770803	atratin-like 1
40177	ENSG00000155996	RNF1	38752.9	-0.04	protein_coding	6	15712259	15712259	15712	1	15712259	required for meiotic nuclear division 1 homolog (S. cerevisiae)
40178	ENSG00000103991	EPN2	38758.1	-0.04	protein_coding	6	15918142	15918142	15918	1	15918142	epsilon-N-pyrophosphate kinase 2
40179	ENSG00000119946	CHN1	38755.5	-0.04	protein_coding	10	10108856	101154087	10115	1	101154087	cyclin M1
40180	ENSG00000132664	PICKRF	38756.2	-0.04	protein_coding	20	18441771	18441771	18441	1	18441771	polymerase IIIA (RNA directed) polypeptide F, 39 kDa
40181	ENSG00000104074	PTEN	38758.6	-0.04	protein_coding	20	230134345	230174370	23017	1	230174370	phosphatidylinositol 3-kinase, receptor tyrosine kinase
40182	ENSG00000116257	NRP2	38763.6	-0.04	protein_coding	2	206546714	20662871	20662	1	20662871	neuropilin 2
40183	ENSG00000181629	ZNF502	38766.5	-0.04	protein_coding	19	42724202	42732383	42732	1	42732383	zinc finger protein 520
40184	ENSG00000191742	ASXL1	38768.1	-0.04	protein_coding	19	62148024	62148024	62148	1	62148024	measles like 1
40185	ENSG00000133863	TEX15	38771.3	-0.04	protein_coding	8	30689060	30748122	30748	1	30748122	testis expressed 15
40186	ENSG00000143324	XPRI	38771.9	-0.04	protein_coding	1	189001140	189093387	18909	1	189093387	xeroderma and polygenic retinosis receptor 1
40187	ENSG00000143636	HXC1	38776.9	-0.04	protein_coding	16	155014714	155014714	15501	1	155014714	hypoxanthine phosphoribosyl transferase-gated potassium channel 3
40188	ENSG00000178409	BEND3	38789.2	-0.04	protein_coding	6	10738635	10743643	10743	1	10743643	BEN domain containing 3
40189	ENSG00000148200	NBR1	38796	-0.04	protein_coding	9	127279584	127353989	12735	1	127353989	nuclear receptor subfamily 6, group A, member 1
40190	ENSG00000204477	NBPF1	38797.6	-0.04	protein_coding	6	50353833	50354898	50354	1	50354898	N-terminal domain containing 1 (NBS-Related)
40191	ENSG00000181967	VPS37C	38802.6	-0.04	protein_coding	11	60897728	60926089	60926	1	60926089	vesicular protein sorting 37 homolog C (S. cerevisiae)
40192	ENSG00000134709	HOK1	38810	-0.04	protein_coding	1	60284058	60342050	60342	1	60342050	hook microtubule-levering protein 1
40193	ENSG00000181421	CEP350	38819.7	-0.04	protein_coding	4	7871184	7871184	78711	1	7871184	cell cycle exit and neuronal differentiation 1
40194	ENSG00000181085	MAPK15	38818.4	-0.04	protein_coding	8	14478429	14480428	14480	1	14480428	mitogen-activated protein kinase 15
40195	ENSG00000164929	BALAL	38819.4	-0.04	protein_coding	8	104152398	10424233	10424	1	10424233	brain and acute leukemia, cytoplasmic
40196	ENSG00000100718	COTL1A1	38821.1	-0.04	protein_coding	16	103361282	103361282	10336	1	103361282	collagen triple helix alpha 1
40197	ENSG00000106246	PTCD1	38832	-0.04	protein_coding	7	980114362	99637752	99637	1	99637752	pentatricopeptide repeat domain 1
40198	ENSG00000182103	FAM181B	38842.7	-0.04	protein_coding	11	52443053	52444108	52444	1	52444108	family with sequence similarity 181, member B
40199	ENSG00000103796	CDC124	38845.6	-0.04	protein_coding	2	2761426	2761426	27614	1	2761426	cytoskeleton associated protein 124
40200	ENSG00000132621	VSTM2L	38845.6	-0.04	protein_coding	20	3651499	36673752	36673	1	36673752	V-set and transmembrane domain containing 2 like
40201	ENSG00000185252	ZNF74	38847.5	-0.04	protein_coding	22	20748025	20782748	20782	1	20782748	zinc finger protein 74
40202	ENSG00000104851	PRKRA	38851.3	-0.04	protein_coding	12	108749483	108749483	10874	1	108749483	PRK domain containing 4
40203	ENSG00000125448	FRTN	38858.7	-0.04	protein_coding	20	14303634	14318262	14318	1	14318262	fibronectin type-III transmembrane protein 3
40204	ENSG00000181418	DLN3	38859.1	-0.04	protein_coding	12	48398932	48399302	48399	1	48399302	dendrin
40205	ENSG00000155684	NUS2	38862.2	-0.04	protein_coding	4	162881482	162881482	16288	1	162881482	NUS2 domain containing 2
40206	ENSG00000241343	RPL38A	38857	-0.04	protein_coding	8	100545812	100651105	10065	1	100651105	ribosomal protein L38a
40207	ENSG00000128686	CHN2	38863	-0.04	protein_coding	2	175684951	175684951	17568	1	175684951	chimerin 1
40208	ENSG00000184810	CZRN1	38864	-0.04	protein_coding	1	99358884	99358884	99358	1	99358884	collagen triple helix alpha 1
40209	ENSG00000142910	SLC3A1	38865.6	-0.04	protein_coding	11	5725207	5729329	57293	1	5729329	solute carrier family 43 (amino acid system L transporter), member 1
40210	ENSG00000112983	BRD8	38872.8	-0.04	protein_coding	5	137475455	137514755	13751	1	137514755	bromodomain containing 8
40211	ENSG00000151718	SMAD9	38876.0	-0.04	protein_coding	1	12869191	12869191	12869	1	12869191	SMAD associated protein, 130kDa
40212	ENSG00000191288	GNG3	38900.3	-0.04	protein_coding	11	62475130	62476783	62476	1	62476783	guanine nucleotide binding protein (G protein), gamma 3
40213	ENSG00000186778	SHOX2	38902.7	-0.04	protein_coding	3	157814548	157824292	15782	1	157824292	short stature homeobox 2
40214	ENSG00000137633	GANF1L	38902.8	-0.04	protein_coding	12	20359121	20359121	20359	1	20359121	GRB2 associated regulator of MAPK1-like
40215	ENSG00000128714	HOXD13	38922.2	-0.04	protein_coding	2	176957119	17696066	17696	1	17696066	homeobox D13
40216	ENSG00000136274	NACAD	38925.1	-0.04	protein_coding	7	45120037	4				

40851	ENSG00000144451	SPGAG16	39191	-0.04	protein_coding	2	214189113	215279225	sperm associated antigen 16
40852	ENSG00000170505	AC00543	39192	-0.04	antisense_intronic	7	10084584	10084584	anhydrochondrin (11 blood group)
40864	ENSG00000137825	ITPKA	39202	-0.04	protein_coding	15	41785991	41795747	inositol-trisphosphate 3-kinase A
40868	ENSG00000061656	SPGAG4	39204	-0.04	protein_coding	20	34203814	34203971	sperm associated antigen 4
40875	ENSG00000170961	HGHI	39214	-0.04	protein_coding	8	122654366	12265830	hyaluronan synthase 2
40876	ENSG00000130131	L15T1	39214	-0.04	protein_coding	8	20159716	20161474	leucine zipper, positive tumor suppressor 1
40884	ENSG00000225968	ELFN1	39228	-0.04	protein_coding	7	17272755	1727580	extracellular leucine-rich repeat and fibronectin type III domain containing 1
40885	ENSG00000178673	RPRM	39229	-0.04	protein_coding	17	4505522	4505524	retrotransposon
40891	ENSG00000192695	KIAA1211	39231	-0.04	protein_coding	11	51936951	51941791	SH3 domain GRB2-like 2
40895	ENSG00000197295	SH3GL2	39239	-0.04	protein_coding	9	17597980	17597972	SH3 domain GRB2-like 2
40902	ENSG00000136584	ZBTB46	39247	-0.04	protein_coding	20	60245019	60245025	zinc finger and BTB domain containing 46
40904	ENSG00000132961	PCDH14	39258	-0.04	protein_coding	8	149082881	149082886	protocadherin beta 14
40911	ENSG00000143028	SNPL2	39258	-0.04	protein_coding	1	110098190	110098190	synaptophysin-like 2
40913	ENSG00000187968	DNAHSE12	39260	-0.04	protein_coding	16	2288871	2288872	deoxyribonuclease-like 2
40917	ENSG00000173469	CERH1	39278	-0.04	protein_coding	16	9029296	9029342	CENP-B DNA-binding domains containing 1
40919	ENSG00000186073	C15orf41	39274	-0.04	protein_coding	15	36871812	37102449	chromosome 15 open reading frame 41
40920	ENSG00000115657	ABCB9	39274	-0.04	protein_coding	2	220074400	22008312	ATP-binding cassette, sub-family B (MDR/TAP), member 6
40923	ENSG00000105930	WBX9	39272	-0.04	protein_coding	7	159662599	15967498	WD repeat domain 69
40928	ENSG00000100416	TRMU	39282	-0.04	protein_coding	22	46726772	46732327	RNA 5-methylaminomethyl-2-thiouridylate methyltransferase
40928	ENSG00000170891	CYTL7	39285	-0.04	protein_coding	4	5016313	5021199	cytoskeleton-like 1
40938	ENSG00000105063	SLOC1A14	39293	-0.04	protein_coding	2	23097068	23097075	solute carrier family 16, member 14
40939	ENSG00000128683	GAD1	39296	-0.04	protein_coding	2	171689723	171716861	glutamate decarboxylase 1 (brain, 67kDa)
40941	ENSG00000171365	CLCN5	39298	-0.04	protein_coding	X	49887225	49887392	chloride channel, voltage-sensitive 5
40943	ENSG00000100003	EBF3	39300	-0.04	protein_coding	10	131603407	131603405	early B-cell factor 3
40945	ENSG00000188638	KIF24	39301	-0.04	protein_coding	9	34252379	34259198	kinesin family member 24
40952	ENSG00000132543	KCNMB4	39305	-0.04	protein_coding	12	70740556	7082872	potassium large conductance calcium-activated channel, subfamily M, beta member 4
40955	ENSG00000141865	FBX16	39307	-0.04	protein_coding	16	4728728	4729351	f-box family 16 (F. elegans)
40956	ENSG00000174047	GLI2	39307	-0.04	protein_coding	2	121485189	121750229	GLI family zinc finger 2
40965	ENSG00000098654	POLR1A	39314	-0.04	protein_coding	2	86247339	86243278	polymerase (RNA) polypeptide A, 194kDa
40968	ENSG00000141478	NUP133	39315	-0.04	protein_coding	14	31959168	3203430	nucleolar binding protein-like 1
40983	ENSG00000151413	NUP133	39315	-0.04	protein_coding	14	31959162	3203430	nucleolar binding protein-like 1
40991	ENSG00000187971	CASKIN1	39343	-0.04	protein_coding	16	2227784	2244628	CASK interacting protein 1
40995	ENSG00000182520	DPTSL1	39343	-0.04	protein_coding	8	8422424	8422423	dynactin component 35
41002	ENSG00000130714	POMT1	39358	-0.04	protein_coding	9	134379289	134399193	protein-O-mannosyltransferase 1
41009	ENSG00000186278	PTPRZ1	39362	-0.04	protein_coding	7	12151343	121702090	protein tyrosine phosphatase, receptor-type 2, polypeptide 1
41011	ENSG00000136388	FLA1	39367	-0.04	protein_coding	7	4203308	4203308	chromosome 9 open reading frame 172
41017	ENSG00000225073	KIF24	39368	-0.04	protein_coding	11	58346645	58392112	ZFP91-CNTF readthrough (NMD candidate)
41021	ENSG00000133124	IRSA	39374	-0.04	protein_coding	X	10797572	10797651	insulin receptor substrate 4
41024	ENSG00000182593	ZNF428	39383	-0.04	protein_coding	11	48273463	48273463	zinc finger protein 428
41034	ENSG00000131118	ZNF428	39383	-0.04	protein_coding	11	44111371	44124208	zinc finger protein 428
41037	ENSG00000134323	MVCN	39394	-0.04	protein_coding	2	16008698	16887128	v-myb avian myeloblastosis viral oncogene neuroblastoma derived homolog 5
41038	ENSG00000140454	CMBL2	39394	-0.04	protein_coding	1	19717487	19717487	chromosome 8 open reading frame 172
41053	ENSG00000138709	LARP1B	39409	-0.04	protein_coding	4	128882423	129144896	La ribonucleoprotein domain family, member 18
41055	ENSG00000112981	NMES1	39414	-0.04	protein_coding	5	137450866	137475132	NME1/NME2 family member 5
41081	ENSG00000187258	ITIH4D	39423	-0.04	protein_coding	16	1966424	1966214	intracellular transporter (40 homolog (Chlamydomonas))
41077	ENSG00000117125	KCNQ3	39423	-0.04	protein_coding	16	42691915	42721257	potassium voltage-gated channel, subfamily G, member 3
41096	ENSG00000204186	ZDRF2	39447	-0.04	protein_coding	2	207139387	207179148	zinc finger, CSD-type containing 2
41108	ENSG00000143147	QBRF1R101	39456	-0.04	protein_coding	1	168053987	168109821	G-protein-coupled receptor 181
41110	ENSG00000098397	DFP11	39462	-0.04	protein_coding	9	117184360	117201730	death domain associated recessor 31
41111	ENSG00000145014	TMEM44	39465	-0.04	protein_coding	3	194308402	19435418	transmembrane protein 44
41122	ENSG00000186724	DNBP1	39473	-0.04	protein_coding	3	34297999	34309609	DNAJ (Hsp40) homolog, subfamily C, member 21
41129	ENSG00000102681	NAA40	39479	-0.04	protein_coding	6	63730431	63724903	Naphthyl alcohol dehydrogenase, NAD+ analytic subunit
41141	ENSG00000138606	SHF	39499	-0.04	protein_coding	15	45459412	45460373	Src homology 2 domain containing F
41146	ENSG00000186762	HYAL3	39503	-0.04	protein_coding	3	50330262	50336889	hyaluronan synthase 3
41147	ENSG00000186930	HYAL3	39503	-0.04	protein_coding	3	43632872	43634909	hyaluronan synthase-like 3
41150	ENSG00000171205	ARHGAP10	39507	-0.04	protein_coding	4	14865314	14869331	Rho GTPase activating protein 10
41152	ENSG00000197891	DPTSL5	39508	-0.04	protein_coding	2	27070815	27172319	dihydrolysinase-like 5
41172	ENSG0000017456	CR7	39516	-0.04	protein_coding	2	8921626	8921626	chromosome 8 open reading frame 47
41174	ENSG00000115486	GXCX	39538	-0.04	protein_coding	2	8871846	88718670	gamma-glutamyl carboxylase
41179	ENSG00000197121	PGAP1	39540	-0.04	protein_coding	2	19769728	19779250	post-GPI attachment to proteins 1
41180	ENSG00000092621	CR7	39540	-0.04	protein_coding	4	3624584	3624584	EF-hand domain (C-terminal) containing 1
41182	ENSG00000254531	GKCC	39544	-0.04	protein_coding	4	10228897	10227040	Uncharacterized protein
41184	ENSG00000185599	DK1	39545	-0.04	protein_coding	14	10115042	10120159	delta-like 1 homolog (Drosophila)
41189	ENSG00000117486	TRIP11	39549	-0.04	protein_coding	11	34661743	34661743	HC22040205, nuclear receptor-interacting protein, cDNA FLJ50015
41192	ENSG00000043514	TRIT1	39552	-0.04	protein_coding	1	40306723	40309183	RNA isopentenyltransferase 1
41193	ENSG00000196428	TS2D22	39552	-0.04	protein_coding	3	15016222	15018428	TS2C2 domain family, member 2
41202	ENSG00000168758	SEMA4C	39563	-0.04	protein_coding	2	9755453	9756404	sema domain, immunoglobulin domain (TM) and short cytoplasmic domain, semaphorin 4C
41213	ENSG00000254402	LRRRC24	39584	-0.04	protein_coding	8	14574781	145752416	leucine rich repeat containing 24
41228	ENSG0000011128	YRIF1	39585	-0.04	protein_coding	8	10068199	10068199	UFM1 specific peptidase (non-functional)
41237	ENSG00000202040	SCAND3	39588	-0.04	protein_coding	6	28538407	28538389	SCAN domain containing 3
41240	ENSG00000098185	BCORL1	39611	-0.04	protein_coding	X	129115083	129192058	BCOR corepressor-like 1
41259	ENSG00000186920	PTXN1	39612	-0.04	protein_coding	6	9832336	9832336	protein tyrosine phosphatase domain containing 1
41271	ENSG00000102571	SMG9	39637	-0.04	protein_coding	19	44235301	44235142	SMG9 nonsense mediated mRNA decay factor
41272	ENSG00000183971	NPW	39637	-0.04	protein_coding	16	2098967	2070756	neuropilin 5
41276	ENSG00000186952	SLC11M1	39638	-0.04	protein_coding	16	5861861	5861861	SLC11M homolog 1
41278	ENSG00000100344	PNPLA3	39643	-0.04	protein_coding	22	44319819	4433068	patatin like phospholipase domain containing 3
41284	ENSG00000187840	ZNF232	39654	-0.04	protein_coding	17	5008836	5020411	zinc finger protein 232
41291	ENSG00000192628	YRIF1	39658	-0.04	protein_coding	8	10068199	10068199	Zn finger protein 3
41297	ENSG00000172733	PUR3	39672	-0.04	protein_coding	8	30853321	30891231	purine-rich element binding protein 3
41301	ENSG00000132364	HOKX13	39678	-0.04	protein_coding	2	54332535	54340328	homeobox C13
41317	ENSG00000119599	SLMO2	39681	-0.04	protein_coding	7	7481207	74757609	SLMO2/transient2073 specific peptidase 3
41323	ENSG00000099572	IL11	39704	-0.04	protein_coding	19	5587577	5589181	interleukin 11
41326	ENSG00000148179	C11orf49	39714	-0.04	protein_coding	11	46958240	47189506	chromosome 11 open reading frame 49
41331	ENSG00000114466	CHRF39	39715	-0.04	protein_coding	2	47603729	47622282	chondroitin sulfate proteoglycan 3 (neuronal/pan C)
41333	ENSG00000191624	CRBP1	39716	-0.04	protein_coding	19	7863266	7863266	cellular retinol binding protein 1
41348	ENSG00000106006	HOKX6	39724	-0.04	protein_coding	7	27185015	27190222	homeobox A6
41349	ENSG00000138759	FRAS1	39729	-0.04	protein_coding	4	7891724	78965423	Fraser syndrome 1
41374	ENSG00000147878	ACOR1B	39738	-0.04	protein_coding	4	38482434	38482434	active A receptor, type IIB
41375	ENSG00000198169	ZNF251	39774	-0.04	protein_coding	8	145862298	145881802	zinc finger protein 251
41381	ENSG00000069847	TUBA3	39778	-0.04	protein_coding	16	8669760	8669768	Tubulin beta 3 chain
41381	ENSG00000181861	LAMA1	39778	-0.04	protein_coding	16	6941743	7117613	lamin, alpha 1
41398	ENSG00000124171	PARD6B	39788	-0.04	protein_coding	20	49348081	49373332	par-6 family cell polarity regulator beta
41401	ENSG00000102109	PCSK1N	39789	-0.04	protein_coding	X	48888904	48894035	proprotein convertase subtilisin/kexin type 1 inhibitor
41401	ENSG00000106286	NEK2	39789	-0.04	protein_coding	8	9846669	9846669	neurokin receptor II
41411	ENSG00000176244	ACBD7	39810	-0.04	protein_coding	10	15119522	15130775	acyl-CoA oxidase domain containing 7
41425	ENSG00000135912	TLL4	39826	-0.04	protein_coding	2	21957568</		

42094	ENSG00000212005	CRISPLD1	40555	-0.04	protein_coding	8	75896750	75846793	cysteine-rich secretory protein LCL domain containing 1
42102	ENSG00000202089	NEFH	40561	-0.04	protein_coding	22	28712019	28617379	neurofilament heavy polypeptide
42175	ENSG00000149679	CALML52	40649	-0.04	protein_coding	20	60963688	60962341	CaM5 and A2L enzyme substrate 2
42299	ENSG00000206535	LNP1	40786	-0.04	protein_coding	3	100120037	100175163	leukemia NUP98 fusion partner 1
42351	ENSG00000179348	GATA2	40839	-0.04	protein_coding	3	128186270	128212028	GATA binding protein 2
38429	ENSG00000201185		36524	-0.04	rRNA	6	4423191	4423115	rRNA, 5S ribosomal pseudogene 202
38263	ENSG00000202174		37482	-0.04	rRNA	2	133010727	133010878	rRNA, 5.8S ribosomal pseudogene 5
40304	ENSG00000171689	MIR31HG	36659	-0.04	sense_intronic	2	21455941	21509688	MIR31 host gene (non-protein coding)
31604	ENSG00000200913	SNORD4R	28916	-0.04	snRNA	14	4524265	4524265	small nuclear RNA, C/D box 48
31838	ENSG00000252577	SCARN20	29626	-0.04	snRNA	17	58308877	58309077	small Cajal body-specific RNA 20
31883	ENSG00000206989	SNORD3	30078	-0.04	snRNA	5	137859732	137860799	small nuclear RNA, C/D box 64
32049	ENSG00000202400	SNORD100	30292	-0.04	snRNA	6	133197841	133198016	small nuclear RNA, C/D box 100
32194	ENSG00000221182	SNORD98	30384	-0.04	snRNA	10	70514529	70514995	small nuclear RNA, C/D box 98
32346	ENSG00000202314	SNORD6	30522	-0.04	snRNA	11	83444888	83444740	small nuclear RNA, C/D box 6
32388	ENSG00000198763	SNORD104	30532	-0.04	snRNA	17	62223443	62223512	small nuclear RNA, C/D box 104
32508	ENSG00000202324	SNORD71	30692	-0.04	snRNA	16	71792305	71792390	small nuclear RNA, C/D box 71
32593	ENSG00000207093	SNORD116-8	30776	-0.04	snRNA	15	25315079	25315073	small nuclear RNA, C/D box 116-8
32612	ENSG000002021491	SNORD4	30813	-0.04	snRNA	12	49048166	49048301	small nuclear RNA, H/ACA box 34
32675	ENSG000002022907		30846	-0.04	snRNA	5	137884659	137884728	Small nuclear RNA SNORD63
32970	ENSG00000206754	SNORD101	31143	-0.04	snRNA	6	131138446	131139518	small nuclear RNA, C/D box 101
33022	ENSG000002023531	SNORD108B	31193	-0.04	snRNA	19	10220433	10220511	small nuclear RNA, C/D box 108B
33089	ENSG00000207442	SNORD116-6	31246	-0.04	snRNA	15	25310173	25310268	small nuclear RNA, C/D box 116-6
33188	ENSG00000208793	SNORD124	31339	-0.04	snRNA	17	38183795	38183898	small nuclear RNA, C/D box 124
33214	ENSG000002029127	SNORD126	31366	-0.04	snRNA	22	29729152	29729247	small nuclear RNA, C/D box 126
33251	ENSG000002028043	SNORD127	31399	-0.04	snRNA	14	45580086	45580171	small nuclear RNA, C/D box 127
33376	ENSG00000201539	SNORD9	31515	-0.04	snRNA	1	28952581	28952534	small nuclear RNA, C/D box 99
33397	ENSG00000201992	SNORD101	31536	-0.04	snRNA	6	16001289	16001413	small nuclear RNA, H/ACA box 20
33532	ENSG00000208344	SNORD126	31680	-0.04	snRNA	14	20794609	20794685	small nuclear RNA, C/D box 126
33584	ENSG00000202197	SNORD116-12	31741	-0.04	snRNA	15	2532198	25322289	small nuclear RNA, C/D box 116-12
33662	ENSG00000204642	SNORD116-23	32072	-0.04	snRNA	22	39711218	39711312	small nuclear RNA, C/D box 116-23
33918	ENSG00000207378	SNORD116-23	32072	-0.04	snRNA	15	25336933	25337024	small nuclear RNA, C/D box 116-23
34137	ENSG00000202523	SNOR66	32306	-0.04	snRNA	1	63306276	63306408	small nuclear RNA, H/ACA box 66
34344	ENSG00000202309	SNORD12C	32518	-0.04	snRNA	2	203142311	203142915	Small nuclear RNA SNORD12C
34370	ENSG000002020942	SNORD12C	32546	-0.04	snRNA	20	47956477	47956565	small nuclear RNA, C/D box 12C
34696	ENSG000002026612	SNORAZA	32860	-0.04	snRNA	12	49050431	49050595	small nuclear RNA, H/ACA box 12A
34908	ENSG00000201128	SNORD1	32934	-0.04	snRNA	1	15423203	15423238	Small nuclear RNA SNOR45B
34976	ENSG00000207204	SNORD14A	34101	-0.04	snRNA	11	17096201	17096291	small nuclear RNA, C/D box 14A
34621	ENSG00000202493	SNOR48	34530	-0.04	snRNA	16	58552403	58552537	small nuclear RNA, H/ACA box 48
35171	ENSG00000202627	SNOR49	35109	-0.04	snRNA	X	118921318	118921447	small nuclear RNA, H/ACA box 49
37829	ENSG00000202079	SNORD114-10	35978	-0.04	snRNA	14	101433389	101434000	small nuclear RNA, C/D box 114-10
38517	ENSG000002028633	SNOR48B	37754	-0.04	snRNA	2	10588840	10588975	small nuclear RNA, H/ACA box 80B
38178	ENSG00000201512	SNOR47C	37958	-0.04	snRNA	20	37058313	37058446	small nuclear RNA, H/ACA box 71C
40274	ENSG000002025991	SNOR47A	38587	-0.04	snRNA	20	37059952	37059985	small nuclear RNA, H/ACA box 71A
37477	ENSG00000196568	RNU5A-1	35604	-0.04	snRNA	15	65583389	65583504	rRNA, U5E small nuclear 1
38086	ENSG00000204641	RNU5E-1	36216	-0.04	snRNA	16	11968209	11968326	rRNA, U5E small nuclear 1
38372	ENSG00000202795	RNU5A-1	37102	-0.04	snRNA	12	120730950	120731040	rRNA, U5E small nuclear 1
28441	ENSG000002024578	HNRNP1P10	28918	-0.04	transcribed_processed_pseudo_gene	16	51673967	51681043	heterogeneous nuclear ribonucleoprotein A1 pseudogene 48
34881	ENSG0000020236264		33015	-0.04	transcribed_processed_pseudo_gene	11	2396362	2397006	ribosomal protein L26 pseudogene 30
39840	ENSG000002056167		38099	-0.04	transcribed_processed_pseudo_gene	11	113659963	113662088	activating transcription factor 4 pseudogene 4
41410	ENSG000002025264	LOC46782	38610	-0.04	transcribed_processed_pseudo_gene	7	29638411	29724871	zinc and ring finger 2 pseudogene 2
36263	ENSG00000199247		34376	-0.04	transcribed_unprocessed_pseudo_gene	9	141044565	141071821	tubulin, beta pseudogene 5
39515	ENSG000002056340	ABC8P1	35045	-0.04	transcribed_unprocessed_pseudo_gene	16	18582484	18609660	ATP-binding cassette, sub-family C, member 8 pseudogene 1
37225	ENSG00000198931		35342	-0.04	transcribed_unprocessed_pseudo_gene	14	36840370	36841588	developmental pluripotency associated 3 pseudogene 2
38986	ENSG000002020785	MTRNR1P	38169	-0.04	transcribed_unprocessed_pseudo_gene	1	32697259	32707221	myobulmin related protein 5-like, pseudogene
40348	ENSG00000400225	ZNF542	38637	-0.04	transcribed_unprocessed_pseudo_gene	19	56879468	56891197	zinc finger protein 542
40497	ENSG000002020251	PKDIP1	38792	-0.04	transcribed_unprocessed_pseudo_gene	16	15219099	15248421	polycystic kidney disease 1 (autosomal dominant) pseudogene 6
41203	ENSG00000106610	STAG3L4	39666	-0.04	transcribed_unprocessed_pseudo_gene	7	66767606	66786513	stromal antigen 3-like 4 (pseudogene)
36422	ENSG000002021297		34181	-0.04	unprocessed_pseudogene	4	190903678	190903678	antigen beta 7, pseudogene
38592	ENSG00000201138		36170	-0.04	unprocessed_pseudogene	3	72525888	72527263	proteasome 20S subunit, non-ATPase, 12 pseudogene
26662	ENSG000002026221		24519	-0.04					
28750	ENSG000002018175		27223	-0.04					
28468	ENSG000002018175		27116	-0.04					
31463	ENSG00000180211		25675	-0.04					
31471	ENSG000002023778		29683	-0.04					
31025	ENSG00000202378		30207	-0.04					
32076	ENSG00000185830		30287	-0.04					
32236	ENSG00000213862		30424	-0.04					
32274	ENSG000002020773		30468	-0.04					
32385	ENSG000002036360		30548	-0.04					
32732	ENSG00000212390		30908	-0.04					
32870	ENSG000002026971		31041	-0.04					
32971	ENSG000002031747		31144	-0.04					
33111	ENSG000002042477		31269	-0.04					
33020	ENSG000002026170	RNY5	32073	-0.04		7	148036580	148036658	rRNA, Rn-associated Y5
33969	ENSG000002029271		32150	-0.04					
34116	ENSG000002044192		32279	-0.04					
34340	ENSG000002031694		32515	-0.04					
34772	ENSG000002049444		32824	-0.04					
34801	ENSG000002056741		32945	-0.04					
34896	ENSG00000206723		33031	-0.04					
35059	ENSG00000206691		33200	-0.04					
35144	ENSG000002026396		33287	-0.04					
35190	ENSG00000201696		33331	-0.04					
35314	ENSG00000216208		33411	-0.04					
35741	ENSG000002036792		33853	-0.04					
35945	ENSG00000211344		34064	-0.04					
36064	ENSG000002022411		34206	-0.04		1	193700968	193701074	Small nuclear RNA U3
36288	ENSG00000174977		34412	-0.04					
36308	ENSG000002028650		34422	-0.04					
36350	ENSG000002024498		34468	-0.04					
36435	ENSG000002050447		34541	-0.04					
36516	ENSG000002020595	CSD3	34610	-0.04		17	36884688	36891297	CDS3H intron sulfur domain 3
36913	ENSG000002021267		34713	-0.04					
36646	ENSG00000208150		34752	-0.04					
36972	ENSG00000218991		34780	-0.04					
36995	ENSG000002021295		34819	-0.04					
36863	ENSG00000205358		34878	-0.04					
36986	ENSG00000208962		35103	-0.04					
37080	ENSG000002048623		35201	-0.04					
37099	ENSG000002024241		35229	-0.04					
37132	ENSG000002028977		35250	-0.04					
37263	ENSG000001801171		35384	-0.04					
37458	ENSG000002053619		35582	-0.04					
37754	ENSG000001068278	ZNHIT3	35604	-0.04		17	34842473	34855154	zinc finger, HIT-type containing 3
38028	ENSG000002020308		35169	-0.04					
38170	ENSG000002055242		35316	-0.04		14	73957699	73960096	chromosome 14 open reading frame 169
38274	ENSG000002034063		35434	-0.04		19	4903092	4902165	ubiquitin-like with PHD and ring finger domains 1
38405	ENSG000002011653		35514	-0.0					

39600	ENSG00000232389		37846.7	-0.04					
39601	ENSG00000234509		37855.1	-0.04					
39602	ENSG00000170916	SCRT1	37903.1	-0.04	8	145554228	145559943	scatch family zinc finger 1	
39701	ENSG00000228364		37844.1	-0.04					
39705	ENSG00000204577		38130.7	-0.04					
39854	ENSG00000207295		38119.3	-0.04					
39871	ENSG00000251196		38140.8	-0.04					
39880	ENSG00000232524	HIST1H2AI	38254.6	-0.04	6	27860477	27860963	histone cluster 1, H2am	
40011	ENSG00000209623		38298.6	-0.04					
40039	ENSG00000273314		38316.1	-0.04					
40041	ENSG00000257688		38318.9	-0.04					
40118	ENSG00000205891		38337.2	-0.04					
40118	ENSG00000205891		38409.4	-0.04					
40157	ENSG00000206470		38458.6	-0.04					
40184	ENSG00000205696		38483.6	-0.04					
40322	ENSG00000270705		38614.7	-0.04					
40324	ENSG00000226332		38616.9	-0.04					
40369	ENSG00000217448		38658.6	-0.04					
40369	ENSG00000256316	HIST1H3A	38657	-0.04	6	26250370	26250835	histone cluster 1, H3F	
40376	ENSG00000206110		38666.9	-0.04	17	76210462	76220740	Uncharacterized protein	
40385	ENSG00000272029		38674.5	-0.04					
40387	ENSG00000174111	SOC57	38675.3	-0.04				suppressor of cytokine signaling 7	
40424	ENSG00000272525		38714.5	-0.04					
40448	ENSG00000184825	HIST1H2AH	38735.4	-0.04	6	27114861	27115317	histone cluster 1, H2ah	
40471	ENSG00000272172		38758.9	-0.04					
40490	ENSG00000244239		38783	-0.04					
40517	ENSG00000193866	HIST1H3A	38811.3	-0.04	6	26030716	26031186	histone cluster 1, H3a	
40528	ENSG00000124683	HIST1H3A	38824.7	-0.04	6	26031817	26032286	histone cluster 1, H3b	
40539	ENSG00000227184	EPK1	38841.8	-0.04	8	144939467	14492632	epiblatin 1	
40597	ENSG00000205823		38859.8	-0.04					
40661	ENSG00000271266		38878.9	-0.04					
40691	ENSG00000235688		39007.4	-0.04					
40768	ENSG00000211377		39083.7	-0.04					
40791	ENSG00000259153		39131.1	-0.04					
40796	ENSG00000206023		39138.3	-0.04					
40798	ENSG00000215569		39157.7	-0.04					
40812	ENSG00000272452		39156.7	-0.04					
40899	ENSG00000197803		39245.5	-0.04					
40948	ENSG00000203588		39314.5	-0.04	5	111755280	111756310	EPB41L4A antisense RNA 2 (head to head)	
40968	ENSG00000208193		39314.8	-0.04					
41004	ENSG00000208975		39360.7	-0.04					
41028	ENSG00000205689		39370	-0.04					
41028	ENSG00000237364		39378.2	-0.04					
41074	ENSG00000201762		39431.5	-0.04					
41118	ENSG00000200196	TERC	39469.4	-0.04				telomerase RNA component	
41133	ENSG00000259923		39469.6	-0.04					
41149	ENSG00000250742		39505.5	-0.04					
41165	ENSG00000215756		39523.3	-0.04					
41199	ENSG00000210081		39559.5	-0.04					
41212	ENSG00000259778		39583	-0.04					
41238	ENSG00000201840		39589	-0.04					
41263	ENSG00000206288		39629.8	-0.04					
41350	ENSG00000249780		39742.2	-0.04					
41372	ENSG00000273391		39784.1	-0.04					
41373	ENSG00000252142		39796.2	-0.04					
41389	ENSG00000208759		39787.9	-0.04					
41571	ENSG00000271830		39877.7	-0.04					
41620	ENSG00000212524		40021.7	-0.04					
41632	ENSG00000207161		40034.2	-0.04					
41678	ENSG00000252524		40092.3	-0.04					
41722	ENSG00000205281		40127.5	-0.04					
41776	ENSG00000200708		40195.6	-0.04					
42104	ENSG00000205441		40573.4	-0.04					
42392	ENSG00000203937		40578.1	-0.04					
42444	ENSG00000215386		40588.9	-0.04					
38249	ENSG00000197989	SNHG12	36408.8	-0.05	antisense	1	28925050	28924995	small nuclear RNA host gene 12 (non-protein coding)
41170	ENSG00000201373	YPSIF1-AS1	40105	-0.05	antisense	16	897284	897284	YPSIF1 antisense RNA 1
42064	ENSG00000204171	RNA5E1-AS1	40536.2	-0.05	antisense	2	3606082	3606034	RNA5E1 antisense RNA 1
42296	ENSG00000202199	ST7-AS1	40734	-0.05	antisense	7	11692500	11694388	ST7 antisense RNA 1
42528	ENSG00000204548	BOLA3-AS1	41013.6	-0.05	antisense	2	7437318	7437318	BOLA3 antisense RNA 1 (head to head)
42660	ENSG00000202323		41195.8	-0.05	antisense	x	38660821	38661136	MD1P1 antisense RNA 1
37530	ENSG00000270022	RMU12	35682.4	-0.05	lincRNA	22	43011250	43011913	RNA, L12 small nuclear
40933	ENSG00000201441		39370	-0.05	antisense	3	10880558	10880558	long intergenic non-protein coding RNA 1003
41205	ENSG00000198972	LINC02087	39570.4	-0.05	lincRNA	x	13422958	13423264	long intergenic non-protein coding RNA 87
41241	ENSG00000205198	SNORA78	39813.8	-0.05	lincRNA	16	2014960	2015510	small nuclear RNA host gene 9 (non-protein coding)
41498	ENSG00000205036		39970	-0.05	antisense	3	10880558	10880558	long intergenic non-protein coding RNA 1003
41627	ENSG00000250366	LINC02017	40028.3	-0.05	lincRNA	14	98432729	98391608	long intergenic non-protein coding RNA 817
42038	ENSG00000208893	SNORA24	40517	-0.05	lincRNA	4	11919884	11920078	small nuclear RNA host gene 8 (non-protein coding)
42100	ENSG00000204701	LINC02083	40506	-0.05	antisense	3	10880558	10704611	long intergenic non-protein coding RNA 983
41933	ENSG00000199038	MIR120	40376.5	-0.05	miRNA	11	568089	568198	miR120
42082	ENSG00000206751	MIR3661	40548.9	-0.05	miRNA	5	13391448	13391543	miR3661
27713	ENSG00000203027		26999	-0.05	processed_pseudogene	75	7052069	7052069	ribosomal protein L7a pseudogene 6
28520	ENSG00000189343		26999	-0.05	processed_pseudogene	17	19349246	19350169	ribosomal protein S2 pseudogene 46
28999	ENSG00000215006		27175.7	-0.05	processed_pseudogene	3	68644856	68666175	proteasome (prosome, macropain) 26S subunit, ATPase, 1 pseudogene 1
29522	ENSG00000207609		27338.6	-0.05	processed_pseudogene	9	5372726	53728132	NADH dehydrogenase (ubiquinone) flavoprotein 2 pseudogene 1
29564	ENSG00000191861	PDP3P1	28251.2	-0.05	processed_pseudogene	1	14661206	14661206	protein phosphatase 3, member A, pseudogene 1
30545	ENSG00000203426		28251.1	-0.05	processed_pseudogene	2	58478575	58479703	eukaryotic translation initiation factor 3, subunit F pseudogene 3
30640	ENSG00000206032		29129.4	-0.05	processed_pseudogene	14	83159469	83159469	embryonic alpha pseudogene 4
31272	ENSG00000205041		29486.4	-0.05	processed_pseudogene	1	5203785	5203785	eukaryotic translation initiation factor 4A1 pseudogene 2
31482	ENSG00000186940		29690.3	-0.05	processed_pseudogene	9	62006219	62006674	coiled-coil-helix-coiled-coil helix domain containing 2 pseudogene 9
30564	ENSG00000204762		30653.1	-0.05	processed_pseudogene	9	12084542	12084600	tumor protein, transcriptionally-controlled 1 pseudogene 9
30865	ENSG00000206356		31049.6	-0.05	processed_pseudogene	10	51933269	51933484	small nuclear ribonucleoprotein polypeptide G pseudogene 2
32881	ENSG00000175886		31932.5	-0.05	processed_pseudogene	18	38914836	38915639	ribosomal protein L7a pseudogene 66
33091	ENSG00000202182		31822.6	-0.05	processed_pseudogene	3	6814724	6815030	mitochondrial ribosomal protein S36 pseudogene 1
33491	ENSG00000203024		31843.9	-0.05	processed_pseudogene	3	33380262	33380262	poly(A) binding protein 1 pseudogene 1
33538	ENSG00000206978		31848.9	-0.05	processed_pseudogene	19	14732446	14732446	integrin beta 1 pseudogene 19
33622	ENSG00000203096		31785.5	-0.05	processed_pseudogene	4	11312999	11314516	RNA binding protein S1, serine-rich domain pseudogene 1
33964	ENSG00000186965		32107.4	-0.05	processed_pseudogene	10	2374874	2374874	glyoxalase 1 pseudogene 10
35116	ENSG00000253954		33257.4	-0.05	processed_pseudogene	15	9324977	93256105	high mobility group nucleosome binding domain 1 pseudogene 38
36033	ENSG00000206038		34155.2	-0.05	processed_pseudogene	14	4579629	45799499	DnaJ (Hsp40) homolog, subfamily C, member 19 pseudogene 9
40400	ENSG00000174740		34730	-0.05	processed_pseudogene	4	69053115	69053115	SEIPN1 mRNA binding protein 1 pseudogene 1
36623	ENSG00000186278		34730	-0.05	processed_pseudogene	Y	21184353	21184353	CD4 molecule pseudogene 4
38077	ENSG00000218582		34520.6	-0.05	processed_pseudogene	6	80462722	80463728	glyceraldehyde 3-phosphate dehydrogenase pseudogene 63
38080	ENSG00000206442		35116.3	-0.05	processed_pseudogene	12	84211801	84211801	poly(A) binding protein, cytoplasmic 1 pseudogene 4
37223	ENSG00000202871		35441.7	-0.05	processed_pseudogene	X	33056812	33056812	ubiquitin folding cofactor A pseudogene 1
38080	ENSG00000254759		36234.2	-0.05	processed_pseudogene	11	12591434	12593846	nucleosome assembly protein 1-like 1 pseudogene 1
39098	ENSG00000213621		36251.3	-0.05	processed_pseudogene	1	198185640	198185640	ribosomal protein L5 pseudogene 5
38351	ENSG00000214480		36528.4	-0.05	processed_pseudogene	6	86137171	86137684	tumor protein, transcriptionally-controlled 1 pseudogene 6
38982	ENSG00000202734		37175.9	-0.05	processed_pseudogene	9	119942907	119943374	ribosomal protein L10 pseudogene 3
39015	ENSG00000213005	PTTG3P	37254.3	-0.05	processed_pseudogene	8	67679632	67680240	pituitary tumor-transforming 3, pseudogene
39027	ENSG00000202387		37241.5	-0.05	processed_pseudogene	9	12552423	125524512	spindle and kinetochore associated complex subunit 2 pseudogene 1
39214	ENSG00000202603		37437	-0.05	processed_pseudogene	10	10460507	10460507	prostaglandin G synthase 3 (cyclooxygenase) pseudogene 4
39672	ENSG00000215007		37919.2	-0.05	processed_pseudogene	X	106594880	106590773	DnaJ (Hsp40) homolog, subfamily A, member 1 pseudogene 3
39775	ENSG00000206707		38038.2	-0.05	processed_pseudogene	17	64193811	64194356	proteasome (prosome, macropain) 26S subunit, non-ATPase,

30401	ENSG00000194823	PTCH3	29717.5	-0.05	protein_coding	19	3903602	9323245	enoyl-CoA hydratase 1, peroxisomal
30684	ENSG00000195656	ECHE3	29723.0	-0.05	protein_coding	12	3709127	4705640	proteoglycan 4 synthase 2 (lysosomal)
30841	ENSG00001002016	TOM22	29118.7	-0.05	protein_coding	22	39071953	39080818	translocase of outer mitochondrial membrane 22 homolog (yeast)
30860	ENSG00001003353	EF1D	29136.7	-0.05	protein_coding	22	3606897	3625483	eukaryotic translation initiation factor 3, subunit D
31008	ENSG00000168813	HNRNPF	29255.5	-0.05	protein_coding	10	4384098	4397314	heterogeneous nuclear ribonucleoprotein F
31051	ENSG00000203392	L2-036	29291.5	-0.05	protein_coding	6	3174573	31774761	L2M2 homolog, US small nuclear RNA associated (S. cerevisiae)
31183	ENSG00000125870	SNRPB2	29407.8	-0.05	protein_coding	20	3671006	36722421	small nuclear ribonucleoprotein polypeptide B
31280	ENSG00000126559	NCED4	29460.4	-0.05	protein_coding	14	24666098	24701660	neural precursor cell expressed, developmentally down-regulated 8
31306	ENSG00000193366	NDIFAF1	29518.5	-0.05	protein_coding	16	11903450	11910038	NADH dehydrogenase (ubiquinone 1 alpha subcomplex, 1, 7, 52c)
31400	ENSG00000121774	KHRRB81	29620.7	-0.05	protein_coding	1	52479450	52526261	KH1 domain containing, RNA binding, signal transduction associated 1
31400	ENSG00000126598	DNAJC8	29621.3	-0.05	protein_coding	1	2855296	2855938	Ume3 (Hsp40) homolog, subfamily C, member 8
31478	ENSG00000106267	SHPA	29687.8	-0.05	protein_coding	1	4483026	4483653	epitaxially secreted A (Cyclophilin A)
31478	ENSG00000110700	RPS13	29688.9	-0.05	protein_coding	11	17095958	17095934	ribosomal protein S13
31480	ENSG00000202876	BISG	29689.8	-0.05	protein_coding	8	37012607	37013177	cytochrome c oxidase subunit V via polypeptide 1 pseudogenes 2
31547	ENSG00000102238	BSG	29166.8	-0.05	protein_coding	19	5735863	5839543	basophil G1 histone group
31579	ENSG00000191361	HIGD1A	29777.8	-0.05	protein_coding	3	4278669	4284623	HIG1 hypoxia inducible domain family, member 1A
31683	ENSG00000115307	AUP1	29871.2	-0.05	protein_coding	2	7475372	7475366	ancient Drosophila protein 1
31708	ENSG00000131458	NRH2	29893.1	-0.05	protein_coding	2	5265290	5265239	nuclear receptor subfamily 1, group II, member 2
31708	ENSG00000138668	HNRNPD	29893.3	-0.05	protein_coding	4	8327365	8326566	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 375b)
31804	ENSG00000105258	FAM32A	30084.6	-0.05	protein_coding	19	16296191	16326287	family with sequence similarity 132, member A
32001	ENSG00000193638	TP53	30215.5	-0.05	protein_coding	3	8313968	8384979	Tp53 complex 7 homolog (Drosophila)
32152	ENSG00000205499	BR1K2	30342.7	-0.05	protein_coding	3	1018872	10168874	BRICK1, SCAR/WAVE actin-nucleating complex subunit
32225	ENSG00000138888	ATPEV101	30407.3	-0.05	protein_coding	9	11735028	11736053	ATPase, H+ transporting, lysosomal 130a, V1 subunit G1
32291	ENSG00000115541	HSP61	30478.5	-0.05	protein_coding	2	19834718	19839111	heat shock 60kDa protein 1
32539	ENSG00000155115	GTF3C6	30720.9	-0.05	protein_coding	6	11127963	11128093	general transcription factor IIC, polypeptide 6, alpha 35kDa
32598	ENSG00000166075	SSU172	30741.4	-0.05	protein_coding	1	1470953	1510249	SSU172 RNA polymerase II CTD phosphatase homolog (S. cerevisiae)
32684	ENSG00000195923	L1MANK9	30748.9	-0.05	protein_coding	5	17878863	17877883	letm1, menadione-binding 2
32687	ENSG00000119868	DLS1	30754.1	-0.05	protein_coding	14	7534854	7537048	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)
32696	ENSG00000136385	SBS	30755.7	-0.05	protein_coding	2	17084843	17086574	Spogen synovium antigen B (autofagin B)
32576	ENSG00000186521	NOL21	30755.8	-0.05	protein_coding	3	1760213	1760216	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 18kDa
32568	ENSG00000205881	RPL17	30781.4	-0.05	protein_coding	18	4701485	4701806	ribosomal protein L17
32616	ENSG00000189740	ZNF32	30808.3	-0.05	protein_coding	10	44139307	44144304	zinc finger protein 32
32678	ENSG00000126959	RPL3A	30833.3	-0.05	protein_coding	3	19780168	19780178	ribosomal protein L3a
32756	ENSG00000128789	PSMG2	30927	-0.05	protein_coding	18	12658737	12725739	proteasome (prosome, macropain) assembly chaperone 2
32776	ENSG00000198298	PPP1C1C	30949.8	-0.05	protein_coding	12	11115485	11118744	protein phosphatase 1, catalytic subunit, gamma isozyme
32843	ENSG00000198321	HNRNPU1	31028.1	-0.05	protein_coding	12	4731902	4731903	heterogeneous nuclear ribonucleoprotein Ume3-like
32968	ENSG00000157815	PRD12	31142.8	-0.05	protein_coding	19	1291624	1291624	perlecan domain 2
33038	ENSG00000142148	CAPN1	31203	-0.05	protein_coding	11	6484037	6497477	capabin (1 μm) large subunit
33053	ENSG00000100261	TPST2	31238.3	-0.05	protein_coding	18	3811198	3811203	cytochrome c oxidase subunit VI (ubiquitous)
33084	ENSG00000158471	PTDSS1	31243.9	-0.05	protein_coding	8	9727383	9734923	phosphatidylinositol synthase 1
33101	ENSG00000108153	BZW1	31281.4	-0.05	protein_coding	2	20187537	20188889	basic leucine zipper and WZ domains 1
33128	ENSG00000100528	PKA2	31290.1	-0.05	protein_coding	11	1299116	1299119	amylid beta 441 precursor-like protein 2
33229	ENSG00000100292	SVPL1	31298.1	-0.05	protein_coding	7	10573049	10573022	synaptophysin-like 1
33243	ENSG00000131966	ACTR10	31388.9	-0.05	protein_coding	14	8868738	8870179	actin-related protein 10 homolog (S. cerevisiae)
33383	ENSG00000142248	RNF14	31456.5	-0.05	protein_coding	20	465026	4652426	ring finger protein 14
33419	ENSG00000178866	SNB1	31569.3	-0.05	protein_coding	5	1779725	1779725	guanine nucleotide binding protein (G protein), beta polypeptide 1
33587	ENSG00000139726	DENR	31744.2	-0.05	protein_coding	12	12327321	12327321	enlym-2 regulated protein
33642	ENSG00000134970	TMEM7	32000.5	-0.05	protein_coding	5	11498205	11498689	transmembrane domain 4 protein transport domain containing 7
33643	ENSG00000100948	TARDPB	32000.9	-0.05	protein_coding	6	11072414	11082156	TAR DNA binding protein
33844	ENSG00000182687	TMEM29	32002.4	-0.05	protein_coding	19	1009647	1001117	transmembrane protein 299
33882	ENSG00000100922	TMEM59	32052.9	-0.05	protein_coding	6	166776497	166796486	mitochondrial pyruvate carrier 1
34043	ENSG00000102620	DNAH1B1	32121.3	-0.05	protein_coding	3	18625192	18631921	DNAH (Hsp40) homolog, subfamily B, member 11
34091	ENSG00000174574	AKR1N1	32281	-0.05	protein_coding	1	3945866	3947173	akirin 1
34150	ENSG00000198355	PM3	32320.6	-0.05	protein_coding	22	5032418	5032778	pim-3 oncogene
34150	ENSG00000100890	HEX3	32325.5	-0.05	protein_coding	7	7392548	7401842	heoxanosome B (beta polypeptide)
34240	ENSG00000158642	NPFT	32411.3	-0.05	protein_coding	15	7382355	7382675	neuropilin
34276	ENSG00000137995	RABGGT3B	32451.2	-0.05	protein_coding	1	76251879	76260784	Rab geranyltransferase, beta subunit
34317	ENSG00000102931	SNMG2	32454.4	-0.05	protein_coding	4	2298342	2298342	small integral membrane protein 20
34322	ENSG00000114023	FAM162A	32481.9	-0.05	protein_coding	3	12210323	12213181	family with sequence similarity 162, member A
34376	ENSG00000134825	TMEM258	32552.5	-0.05	protein_coding	11	61539973	61540274	transmembrane protein 258
34397	ENSG00000143883	TRIM18	32558.4	-0.05	protein_coding	11	13320381	13320381	chromosome 5 open reading frame 15
34405	ENSG00000148450	MRB2	32581.1	-0.05	protein_coding	10	2338435	2341042	methionine sulfoxide reductase B2
34477	ENSG00000100575	POPLR2J	32654.9	-0.05	protein_coding	7	10211365	10211934	polymerase (RNA) II (DNA directed) polypeptide 3, 13.3kDa
34480	ENSG00000146522	MFR17	32657.7	-0.05	protein_coding	4	17802193	17802193	mitochondrial ribosomal protein L17
34562	ENSG00000160044	CALM1	32741.3	-0.05	protein_coding	19	4710433	47114650	calmodulin 3 (phosphorylase kinase, delta)
34589	ENSG00000127540	UQCRT1	32789.9	-0.05	protein_coding	19	1597171	1605480	ubiquinol-cytochrome c reductase, complex III subunit XI
34596	ENSG00000190521	TAIP1A	32845.1	-0.05	protein_coding	1	6884240	6884240	TAIP1 RNA polymerase II, TATA box binding protein (TBP) associated factor, 32kDa
34634	ENSG00000128458	RRAS	32869.6	-0.05	protein_coding	19	50138549	50143458	related RAS viral (ras) oncogene homolog
34641	ENSG00000192723	GGSKA1	32913.7	-0.05	protein_coding	19	4274338	4274677	glyoxylase kinase 3, alpha
34658	ENSG00000197688	COPS3	32918.4	-0.05	protein_coding	11	1812638	1812638	small nuclear ribonucleoprotein D1 polypeptide 18kDa
34658	ENSG00000110300	COPS3	32930.9	-0.05	protein_coding	17	17150141	17184607	COP9 signalosome subunit 3
34659	ENSG00000198906	DNX15	32831.8	-0.05	protein_coding	4	2451904	2458673	DEAH (Hsp-40) box helicase 15
34686	ENSG00000104161	CAM1	32859.9	-0.05	protein_coding	1	1768810	1768810	calcium binding protein
34691	ENSG00000110059	LYPLA2	32859.9	-0.05	protein_coding	1	2411450	2412209	lyso-phospholipase II
34746	ENSG00000191355	PTTG1P	32862.5	-0.05	protein_coding	21	4628950	4628957	pituitary tumor-transforming 1 interacting protein
34785	ENSG00000106623	SLSL2	32863.2	-0.05	protein_coding	1	1044103	1044103	soluble carrier family 28 (ribosomal lutein carrier), member 32
34781	ENSG00000158110	SLXK	32933.6	-0.05	protein_coding	10	7591090	7594801	inositol kinase
34790	ENSG00000185175	MDIP1	32937.3	-0.05	protein_coding	X	3866085	3866790	MDI interacting protein 1
34818	ENSG00000156403	ATP7B	32938.2	-0.05	protein_coding	12	378519	378519	arsenicite
34853	ENSG00000141488	ATP5B	32993.6	-0.05	protein_coding	7	9904698	9909354	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2
35047	ENSG00000195596	AZIN1	33191.6	-0.05	protein_coding	8	1038385	1039092	antizyme inhibitor 1
35107	ENSG00000197929	PICK1	33241.4	-0.05	protein_coding	11	153001	153001	nicotinic acetylcholine receptor 3 (NAChR3) gamma
35108	ENSG00000195991	MRPL32	33242.8	-0.05	protein_coding	7	4297179	4298557	mitochondrial ribosomal protein L32
35112	ENSG00000135316	SYNCRIP	33250	-0.05	protein_coding	6	8611805	8615310	synaptotagmin binding, cytoplasmic RNA interacting protein
35188	ENSG00000104852	SNRNP70	33338	-0.05	protein_coding	19	656836	656836	small nuclear ribonucleoprotein 70kDa (U1)
35208	ENSG00000101227	PICK1D3	33343.4	-0.05	protein_coding	22	4297972	4297972	polymerase (DNA directed), delta interacting protein 3
35284	ENSG00000132388	UBE2C1	33382.1	-0.05	protein_coding	17	4172554	4296923	ubiquitin-conjugating enzyme E2C 1
35296	ENSG00000184422	COPB2	33395.5	-0.05	protein_coding	3	13901442	13910874	costamer protein complex, subunit beta 2 (beta prime)
35316	ENSG00000184596	MSPR5B	33405.8	-0.05	protein_coding	3	6881388	6881388	mitochondrial ribosomal protein S28
35323	ENSG00000111911	HMT3	33440.5	-0.05	protein_coding	6	126277927	126301387	histidine triad nucleotide binding protein 3
35325	ENSG00000128999	ANP19	33444	-0.05	protein_coding	15	5283242	5283290	GMP-regulated phosphoprotein, 19kDa
35346	ENSG00000191911	GGSK2	33485.2	-0.05	protein_coding	8	7658286	7658286	GTPase activating protein (SH3 domain) binding protein 2
35371	ENSG00000191911	PRPS2	33480.2	-0.05	protein_coding	X	1288424	1288424	phosphoribosyl pyrophosphate synthetase 2
35405	ENSG00000175244	LSM1	33517.7	-0.05	protein_coding	8	3802839	3803248	LSM1 homolog, U6 small nuclear RNA associated (S. cerevisiae)
35411	ENSG00000195168	DYLL1	33571.9	-0.05	protein_coding	12	3768890	3768890	Tdk-tyrosine kinase 2
35422	ENSG00000176449	COX13	33633.4	-0.05	protein_coding	12	5956782	5956740	cytochrome c oxidase assembly homolog 14 (S. cerevisiae)
35440	ENSG00000194599	SAP18	33647.6	-0.05	protein_coding	13	2171483	2172321	Sm3-associated protein, 18kDa
35494	ENSG00000100458	SYN1	33712.2	-0.05	protein_coding	22	3347285	3347285	synaptotagmin I
35496	ENSG00000194907	LGALS1	33761.4	-0.05	protein_coding	22	38071615	38071815	lectin, galactoside-binding, soluble, 1
35617	ENSG00000119306	GMPAT	33726.4	-0.05	protein_coding	1	23137693	23143179	glycerophosphoacyl-transferase
35646	ENSG00000184381	EIF1P2	33846.7	-0.05	protein_coding	12	10971740	10971740	EIF1 (P2) domain containing protein
35712	ENSG00000102931	ARL2BP	33822.1	-0.05	protein_coding	16	57287510	57287510	ADP-ribosylation factor-like 2 binding protein
35762	ENSG00000204857	RDH4	33870.2	-0.05	protein_coding	2	18715999	1874146	retinol dehydrogenase 14 (all-trans-9-cis-11-cis)
35800	ENSG00000144001	EIF2L1	33912.4	-0.05	protein_coding	2	6782143	6782143	

Accession	Gene	Start	End	Score	Orientation	Protein	Score	Score	Protein	Score	Score
37426	ENS000000083372	TNPO1	35543	-0.05	+	protein coding	5	7217239	7221260		transposin 1
37423	ENS00000004969	ESB1	35617	-0.05	+	protein coding	10	1527647	1527647		histidinase
37650	ENS00000015317	HTRAA2	35762	-0.05	+	protein coding	2	7476504	7476072		H7A serine peptidase 2
37676	ENS000000243147	MPL33	35820	-0.05	+	protein coding	2	2794584	2821064		mitochondrial ribosomal protein L33
37684	ENS000000186848	CRY4B	36332	-0.05	+	protein coding	11	11179289	11179448		crystallin, alpha B
37706	ENS000000191955	SRY4B	35938	-0.05	+	protein coding	8	3825589	3825589		sushi-repeat containing protein, X-linked
37731	ENS000000142252	GEMIN7	35875	-0.05	+	protein coding	19	4558243	45584782		gem (nuclear organelle) associated protein 7
37785	ENS000000141753	IGFBP4	35924	-0.05	+	protein coding	17	9859702	9861383		insulin-like growth factor binding protein-4
37785	ENS000000185869	FAM74B	35938	-0.05	+	protein coding	11	12842084	12852338		family with sequence similarity 175, member B
37786	ENS000000115884	SDC1	35940	-0.05	+	protein coding	2	5040558	5042594		syndecan 1
37801	ENS000000186125	MBP	35951	-0.05	+	protein coding	22	5820811	5822951		myoglobin
37804	ENS000000182823	RBM10	35951	-0.05	+	protein coding	4	4704832	4704832		RNA binding motif protein 10
37811	ENS00000017260	ATP2C1	35959	-0.05	+	protein coding	3	13056949	13057356		ATPase, Ca ⁺ transporting, type 2C, member 1
37823	ENS000000184553	PLIM3	35972	-0.05	+	protein coding	4	18642861	18643076		PAZ and LIM domain 3
37888	ENS000000137481	EXOC3	35978	-0.05	+	protein coding	11	6328768	6328967		beta-1,3-glucuronidyltransferase 1 (glucuronosyltransferase I)
37881	ENS000000189306	RIRP7A	36034	-0.05	+	protein coding	22	42926974	42918508		ribosomal RNA processing 7 homolog A (S. cerevisiae)
37869	ENS000000091482	SMPX	36012	-0.05	+	protein coding	8	2172490	2172621		small muscle protein, X-linked
37881	ENS000000141219	CCV3	36017	-0.05	+	protein coding	8	2726035	2726170		coiled-coil domain containing 25
37889	ENS000000162413	KLHL21	36040	-0.05	+	protein coding	11	6650784	6647467		kelch-like family member 21
37920	ENS000000116863	ADPRH2	36097	-0.05	+	protein coding	11	3654447	3655933		ADP-ribosyltransferase like 2
37928	ENS000000181628	CRK	36075	-0.05	+	protein coding	5	6851055	6851055		cyclin-dependent kinase 7
37973	ENS000000163428	LRRCS8	36132	-0.05	+	protein coding	3	12004336	12008186		leucine rich repeat containing 58
37974	ENS000000163453	IGFBP7	36133	-0.05	+	protein coding	4	5796939	5797651		insulin-like growth factor binding protein 7
37988	ENS000000142176	SNORD7	36152	-0.05	+	protein coding	11	62433781	62433968		methyltransferase like 12
37995	ENS000000189241	SLC50A1	36157	-0.05	+	protein coding	1	15510760	15511129		solute carrier family 50 (sugar efflux transporter), member 1
38017	ENS000000095985	BCL7C	36176	-0.05	+	protein coding	16	3984497	3985281		B-cell CLL/lymphoma 7C
38017	ENS000000101768	CELSR3	36217	-0.05	+	protein coding	12	7020489	7105509		EMC1 N1-specific pseudovirion methyltransferase
38070	ENS000000107371	EXOC3C	36232	-0.05	+	protein coding	9	3778675	37801434		exosome component 3
38073	ENS000000101281	COX7A1	36233	-0.05	+	protein coding	19	36841824	36843771		cytochrome c oxidase subunit VIIa polypeptide 1 (muscle)
38083	ENS000000169563	MIR52	36232	-0.05	+	protein coding	14	2328108	2328108		mitochondrial ribosomal protein S10
38086	ENS000000186961	AP2A1	36230	-0.05	+	protein coding	19	5027025	5031030		adaptor-related protein complex 2, alpha 1 subunit
38112	ENS000000110048	OSBP	36287	-0.05	+	protein coding	11	5841871	5843817		cysteine binding protein
38138	ENS000000101541	HSBP2	36307	-0.05	+	protein coding	17	1534809	1534953		heat shock 27kDa protein family, member 7 (cardiovascular)
38144	ENS000000102871	DHFR	36294	-0.05	+	protein coding	5	7992204	7992002		dihydrofolate reductase
38162	ENS000000119185	TIGB1BP1	36310	-0.05	+	protein coding	2	5456004	5456176		integrin beta 1 binding protein 1
38163	ENS000000104330	MEIS1	36310	-0.05	+	protein coding	12	4433123	4433171		SAMM50 activin and assembly machinery component
38193	ENS000000100836	PAPBN1	36315	-0.05	+	protein coding	14	23790498	23795394		poly(A) binding protein, nuclear 1
38194	ENS000000118178	CASQ2	36333	-0.05	+	protein coding	1	11624258	116311402		calsequestrin 2 (cardiac muscle)
38201	ENS000000101729	EFNB3	36333	-0.05	+	protein coding	12	2428158	2428158		BCL2 interacting protein like 3
38208	ENS000000156531	PHF8	36363	-0.05	+	protein coding	8	13355270	13356230		PHF finger protein 6
38239	ENS000000173991	TCP	36399	-0.05	+	protein coding	17	3782400	3782228		titin-cap
38258	ENS000000104920	MEIS2	36405	-0.05	+	protein coding	11	4384076	4384076		mediator complex subunit 8
38268	ENS000000109999	PMP22	36423	-0.05	+	protein coding	17	15133095	15168443		peripheral myelin protein 22
38273	ENS000000132406	TMEM128	36430	-0.05	+	protein coding	4	4237269	4249950		transmembrane protein 128
38276	ENS000000141676	MEIS3	36439	-0.05	+	protein coding	8	42017273	42020713		mol. T-cell differentiation protein 2 (gene-pseudogene)
38315	ENS000000101628	LIT4	36452	-0.05	+	protein coding	8	4291485	4291485		L12 integrin receptor
38322	ENS000000092620	PALMD	36488	-0.05	+	protein coding	1	100114489	100160397		palmdelphin
38340	ENS000000169701	TMEM38	36508	-0.05	+	protein coding	6	6726106	6726311		transmembrane protein 38B
38345	ENS000000101696	GLCO4	36509	-0.05	+	protein coding	8	690337	690337		glycocalyx protein containing 4
38352	ENS0000001015737	PHYH	36528	-0.05	+	protein coding	10	13319786	13344112		phyllostin-CoA 2-hydroxylase
38358	ENS000000109500	LOM9	36533	-0.05	+	protein coding	14	10317058	103215047		glugmanin
38367	ENS000000169431	NSM2	36533	-0.05	+	protein coding	12	13010361	12837962		non-SMC element 2, MADS1 homolog (S. cerevisiae)
38382	ENS000000102717	URPC-MRPS24	36561	-0.05	+	protein coding	7	4306157	4348618		URPC-MRPS24 readthrough
38386	ENS000000088544	ITPKC	36567	-0.05	+	protein coding	19	4123308	4124809		inositol triphosphatase 3-kinase C
38386	ENS000000101339	COL4A11	36568	-0.05	+	protein coding	6	1796403	1796403		collagen type I (alpha2) pseudogene 1
38404	ENS000000169592	ROAD	36591	-0.05	+	protein coding	6	6995552	6995547		Ras-related associated with diabetes
38416	ENS000000146281	MND2	36592	-0.05	+	protein coding	6	88865769	88874284		peptide M20 domain containing 2
38441	ENS000000102890	CST1	36593	-0.05	+	protein coding	7	10821002	10821002		Disa1 (Hsp40) homolog, subfamily B, member 9
38455	ENS000000174463	SIRT8	36643	-0.05	+	protein coding	10	4174106	4182901		sirtuin 8
38462	ENS000000143878	RHOE	36650	-0.05	+	protein coding	2	2064835	2064920		ras homolog family member B
38469	ENS000000102688	CHI3B	36656	-0.05	+	protein coding	2	316580	316580		chitinase 3B gene reading frame 5B
38505	ENS0000001015018	CWC15	36682	-0.05	+	protein coding	11	9485787	9487676		CWC15 spliceosome-associated protein homolog (S. cerevisiae)
38506	ENS000000138223	SEM7A	36683	-0.05	+	protein coding	15	7471630	7472808		semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)
38508	ENS000000101432	CST11	36692	-0.05	+	protein coding	15	43732269	43732269		caspasa transmembrane receptor
38511	ENS000000140002	FBLN5	36714	-0.05	+	protein coding	14	62338756	62414331		fibulin 5
38550	ENS000000092903	SIRT7	36733	-0.05	+	protein coding	19	3959197	3959202		sirtuin 7
38562	ENS000000101498	ITIH2	36742	-0.05	+	protein coding	7	184415154	184415154		translation machinery associated protein 16 homolog (S. cerevisiae)
38614	ENS000000160131	MA21	36800	-0.05	+	protein coding	8	150584987	15057736		VMA21 vasculin H-ATPase homolog (S. cerevisiae)
38631	ENS000000167641	PPA1R1A4	36819	-0.05	+	protein coding	19	38741877	38747251		protein phosphatase 1, regulatory (inhibitor) subunit 14A
38652	ENS000000101542	MEIS4	36818	-0.05	+	protein coding	19	6733136	6733136		NAH2 (hydrophobic) protein complex 1, assembly factor 4
38661	ENS000000119178	EF2B2	36827	-0.05	+	protein coding	14	7548214	7547826		eukaryotic translation initiation factor 2B, subunit 2, beta, 38kDa
38700	ENS00000010159178	CRSP1	36900	-0.05	+	protein coding	1	20142858	20142858		cysteine and glycine-rich protein 2
38701	ENS000000101138	MEIS6	36905	-0.05	+	protein coding	10	5486875	5486875		cleavage stimulation factor 3 (non-RNA, subunit 5, 50kDa)
38709	ENS000000159157	HMGNS1	36907	-0.05	+	protein coding	8	8035020	8045241		high mobility group nucleosome-binding domain 5
38721	ENS000000181847	RAVER1	36918	-0.05	+	protein coding	19	1048888	10484316		ribonucleoprotein, PTB-binding 1
38730	ENS000000101623	CST2	36918	-0.05	+	protein coding	19	333505	333505		sphingomyelinase receptor domain and SOCS box containing 1
38740	ENS000000122367	LDB3	36938	-0.05	+	protein coding	10	8842926	8842926		LIM domain binding 3
38752	ENS000000099401	CDC3L	36952	-0.05	+	protein coding	6	4435282	4441813		cell division cycle 5 like
38764	ENS0000001015618	ITIH1	36951	-0.05	+	protein coding	6	7545681	7545681		lectican glycoprotein 3
38769	ENS000000119201	CKX40B	36970	-0.05	+	protein coding	8	149097745	149107928		chromosome X open reading frame 40B
38782	ENS00000013424	TIGAT	36981	-0.05	+	protein coding	2	5607832	5607827		integrin, alpha 7
38789	ENS000000101526	ITIH3	36977	-0.05	+	protein coding	7	11421958	11421958		cell division cycle 5 associated 7
38814	ENS000000172348	RCAN2	37021	-0.05	+	protein coding	6	4618475	4645979		regulator of calcineurin 2
38833	ENS000000106853	PTGR1	37027	-0.05	+	protein coding	9	114312002	11432135		prostaglandin reductase 1
38851	ENS000000234857	ITIH2	37053	-0.05	+	protein coding	11	6845747	6849486		HNPN(L)-L2/IGL2 readthrough
38860	ENS000000129629	VD	37062	-0.05	+	protein coding	6	6291168	6291168		soybean CoA dehydrogenase
38865	ENS000000162814	NEFN	37079	-0.05	+	protein coding	11	78354198	7845980		neofelin (F-actin binding protein)
38872	ENS000000166311	PITX1	37086	-0.05	+	protein coding	11	6411655	6416228		sphingomyelin phosphotransferase 1, acid lysosomal
38874	ENS000000181160	NDUFAB1	37093	-0.05	+	protein coding	12	4758291	4758464		NAOH dehydrogenase, subunit 1, alpha subcomplex 5, 35kDa
38884	ENS000000087586	AURKA	37099	-0.05	+	protein coding	20	5494445	5494454		aurora kinase A
38889	ENS000000172269	DPAGT1	37106	-0.05	+	protein coding	11	118697213	118697041		dolichyl-phosphate (UDP-N-acetylglucosamine)-N-acetylglucosaminophosphotransferase 1
38896	ENS000000077522	ACTG2	37118	-0.05	+	protein coding	1	236849754	236827931		actinin 2
38901	ENS000000134939	SRA1	37120	-0.05	+	protein coding	8	47901395	4792043		sporadic and kinetochore associated complex subunit 1
38901	ENS000000070146	URBE1	37121	-0.05	+	protein coding	8	2865964	2865964		ubiquitin-conjugating enzyme E2B
38924	ENS000000119705	SIRP	37158	-0.05	+	protein coding	14	7817444	7827447		SRA stem-loop interacting RNA binding protein
38933	ENS000000117595	JIF6	37152	-0.05	+	protein coding	1	20993026	20997948		inhibitory regulatory factor 6
38934	ENS000000121766	SAP90	37154	-0.05	+	protein coding	2	3181947	3181947		mouse brain heparin (mainly neurotrophin-derived growth inhibitor)
38947	ENS000000119285	HATR1	37162	-0.05	+	protein coding	1	23671205	23676704		HEAT repeat containing 1
38948	ENS000000119523	CTGF	37162	-0.05	+	protein coding	6	132289136	132272513		connective tissue growth factor
38964	ENS000000149238	PTK2	37162	-0.05	+	protein coding	15	2411194	2411194		

39433	ENSG00000187778	IGFBP6	37864	-0.05	protein_coding	17	53491229	53496129	insulin-like growth factor binding protein 6
39434	ENSG00000190291	NLRP9	37868	-0.05	protein_coding	16	54613037	54613037	nucleoside 53kDa
39437	ENSG00000156453	PCDH1	37869	-0.05	protein_coding	5	141212938	14125811	protodesmosin 1
39456	ENSG00000163359	COL6A3	37892	-0.05	protein_coding	2	238232046	238232018	collagen, type VI, alpha 3
39459	ENSG00000190979	PCLIP1	37909	-0.05	protein_coding	20	44527399	44440786	phospholipid transfer protein
39478	ENSG00000159563	LRC17	37120	-0.05	protein_coding	8	102552438	102565398	lectin, type II, repeat containing 17
39484	ENSG00000172059	KLF11	37715	-0.05	protein_coding	2	10162978	10194963	Kruppel-like factor 11
39488	ENSG00000199569	NFSF	37171	-0.05	protein_coding	17	44668036	44848340	N-ethylmaleimide-sensitive factor
39491	ENSG00000186956	LTF3	37120	-0.05	protein_coding	11	65326216	65326216	latent transforming growth factor beta binding protein 3
39497	ENSG00000187522	HSP14	37729	-0.05	protein_coding	10	14889163	14819340	heat shock 70kDa protein 14
39514	ENSG00000124610	HSTHTA	37148	-0.05	protein_coding	6	26017260	26016940	histone cluster 1, H1e
39518	ENSG00000159184	EXOSC7	37158	-0.05	protein_coding	8	45816765	45816568	exosome component 7
39529	ENSG00000121413	ZSCAN18	37847	-0.05	protein_coding	9	58529250	58529794	zinc finger and SCAN domain containing 18
39571	ENSG00000178885	CTNBP1	37810	-0.05	protein_coding	1	9908334	9970394	Catenin, beta interacting protein 1
39578	ENSG00000193263	RPL3	37815	-0.05	protein_coding	4	36263696	36263696	ribosomal protein L3 (eukaryotic)
39581	ENSG00000135520	NXA5	37824	-0.05	protein_coding	9	6855603	6853721	N1alpha-acetyltransferase 35, N1aC auxiliary subunit
39588	ENSG00000134997	GNL2	37828	-0.05	protein_coding	1	38032417	38031536	guanine nucleotide binding protein-like 2 (nuclear)
39600	ENSG00000156999	LBR	37837	-0.05	protein_coding	19	35735243	35736987	lipoylase stimulated lipoylase receptor
39608	ENSG00000116132	PRRX1	37845	-0.05	protein_coding	1	170631869	170708640	paired related homeobox 1
39610	ENSG00000188739	SRL	37847	-0.05	protein_coding	16	4223075	4223075	sarcosylamin
39617	ENSG00000150251	NMOS1	37852	-0.05	protein_coding	2	106032264	106017320	NMOS1 ribosome export adaptor
39638	ENSG00000103249	CLCN7	37869	-0.05	protein_coding	16	1494953	1525581	chloride channel, voltage-sensitive 7
39641	ENSG00000160593	MED27	37875	-0.05	protein_coding	9	134735494	134895236	mediator complex subunit 27
39648	ENSG00000110663	SLC25F2	37882	-0.05	protein_coding	11	102661717	102766918	solute carrier family 25, member F2
39649	ENSG00000105173	CONE1	37885	-0.05	protein_coding	19	30302806	30315215	connexin E1
39650	ENSG00000185274	WBSR17	37885	-0.05	protein_coding	7	70591155	7117885	Williams-Beuren syndrome chromosome region 17
39659	ENSG00000100395	NLRP1	37913	-0.05	protein_coding	15	45813384	45816318	nucleotide leucine repeat domain interacting protein 1
39671	ENSG00000186923	GREM1	37914	-0.05	protein_coding	15	33010175	33028870	gremlin 1, DAN family BMP antagonist
39675	ENSG00000102708	TGFBI	37923	-0.05	protein_coding	5	13584584	135935607	transforming growth factor, beta-induced 68kDa
39678	ENSG00000170704	ATP10A	37925	-0.05	protein_coding	22	4178232	4178232	ATPase, H+ transporting, lysosomal 505kDa, V1 subunit H
39682	ENSG00000104249	ATRVB1	37929	-0.05	protein_coding	8	54628117	54756118	ATPase, H+ transporting, lysosomal 505kDa, V1 subunit H
39689	ENSG00000190309	CDCA5	37933	-0.05	protein_coding	22	19468992	19508135	cell division cycle 45
39690	ENSG00000121201	PRKRA	37934	-0.05	protein_coding	2	23871728	23871728	receptor (G protein-coupled) activator modifying protein 1
39691	ENSG00000164902	PHAX	37934	-0.05	protein_coding	5	125935960	125929444	phosphotyrosyl adaptor for RNA export
39699	ENSG00000188610	FAM72B	37943	-0.05	protein_coding	1	120837756	120856581	family with sequence similarity 72, member B
39700	ENSG00000171260	TRAF3IP1	37945	-0.05	protein_coding	1	48333938	48333938	TRAF3 interacting protein 14
39710	ENSG00000104079	RHCC1	37950	-0.05	protein_coding	8	23127633	23125792	RCH1 domain and cold-cold-containing 1
39713	ENSG00000181393	SMTN	37951	-0.05	protein_coding	22	31440091	31500743	smoothelin
39718	ENSG00000171778	TRAF3	37953	-0.05	protein_coding	10	1005616	1005616	transmembrane protein 14
39718	ENSG00000102547	CAB39L	37958	-0.05	protein_coding	13	49882798	50018262	proboscis (carotid) muscle assembly chaperone 3
39720	ENSG00000186490	CT1orf82	37958	-0.05	protein_coding	11	82611017	82689819	chromosome 11 open reading frame 82
39724	ENSG00000190498	C11orf95	37958	-0.05	protein_coding	14	10238184	10238184	chromosome 11 open reading frame 95
39732	ENSG00000133027	PEMT7	37978	-0.05	protein_coding	17	17448877	17449022	phosphatidylethanolamine N-methyltransferase
39738	ENSG00000221496	EXOSC6	37984	-0.05	protein_coding	16	70284134	70283533	exosome component 6
39738	ENSG00000125971	MKRN1	37985	-0.05	protein_coding	20	17658926	17658926	mitochondrial gene maintenance endonuclease 1
39739	ENSG00000100733	RBP15	37985	-0.05	protein_coding	2	21849269	21851125	ribosomal protein L16 (eukaryotic)
39749	ENSG00000105234	PKP2	37993	-0.05	protein_coding	12	32943679	32943774	plakophilin 2
39750	ENSG00000186281	WDR43	37993	-0.05	protein_coding	2	29117509	29117108	WD repeat domain 43
39751	ENSG00000190205	TNIP1	38023	-0.05	protein_coding	2	417514752	417521159	TRAF3 interacting protein 1
39751	ENSG00000196009	BRAT1	38043	-0.05	protein_coding	7	2577511	2595361	BRCA1-associated ATG activator 1
39802	ENSG00000181862	ICL1	38055	-0.05	protein_coding	17	73069706	73071398	intramitochondrial carnitine transferase 1
39806	ENSG00000161332	CTCF	38059	-0.05	protein_coding	3	475317138	47531651	ectopic acetyltransferase complex subunit 6
39810	ENSG00000124784	RCK1	38071	-0.05	protein_coding	6	7389279	7418270	RIO kinase 1
39813	ENSG00000186577	CSPT1	38073	-0.05	protein_coding	6	34214157	34217247	chromosome 6 open reading frame 1
39814	ENSG00000190966	COH1	38073	-0.05	protein_coding	16	68711126	68681651	cohesin 1, type 1, (Escherichia coli-like)
39819	ENSG00000181703	CRELD1	38079	-0.05	protein_coding	3	9975506	9967707	cytine-rich with EGF-like domains 1
39821	ENSG00000186881	TRPM18A	38080	-0.05	protein_coding	12	57448426	57448486	transmembrane protein 18A
39823	ENSG00000190291	UPF3	38081	-0.05	protein_coding	3	118967865	118967865	UPF3 regulator of nonsense transcripts homolog 9 (yeast)
39825	ENSG00000189288	MRPL1	38083	-0.05	protein_coding	4	7873874	7887944	mitochondrial ribosomal protein L1
39847	ENSG00000144824	PHLBD2	38109	-0.05	protein_coding	3	111451344	111455954	pleckstrin homology-like domain, family B, member 2
39847	ENSG00000191974	SLC33	38109	-0.05	protein_coding	3	114521963	114521963	pleckstrin homology-like domain, family B, member 2
39858	ENSG00000098194	SCD	38126	-0.05	protein_coding	10	102168881	102142491	stearoyl-CoA desaturase (delta-9-desaturase)
39875	ENSG00000151332	MBP	38145	-0.05	protein_coding	14	36717770	36789882	MAP1K12 binding inhibitory protein 1
39877	ENSG00000190247	GLY3	38145	-0.05	protein_coding	5	115201749	115201749	sarcosylamin, delta (3-oxo) glyoxylate-associated glycoprotein
39880	ENSG00000186818	GPATCH4	38150	-0.05	protein_coding	1	156584279	156571288	G patch domain containing 4
39885	ENSG00000101522	NISCH	38154	-0.05	protein_coding	3	52489134	52527187	nichrin
39887	ENSG00000186490	PCSK9	38159	-0.05	protein_coding	10	120962179	120962179	KIAA0195
39889	ENSG00000177278	KIAA0195	38159	-0.05	protein_coding	17	73437240	73466171	KIAA0195
39891	ENSG00000107709	NBR321	38177	-0.05	protein_coding	19	3933101	3942314	nucleoside diphosphate kinase 2
39891	ENSG00000151669	TRAF6	38178	-0.05	protein_coding	17	73839384	73839384	TRAF6 domain containing 6
39898	ENSG00000177278	KIAA0195	38178	-0.05	protein_coding	17	73437240	73466171	KIAA0195
39907	ENSG00000186249	CCNY1	38181	-0.05	protein_coding	2	20857654	20862963	cyclin Y-like 1
39908	ENSG00000190258	TRAF3	38181	-0.05	protein_coding	10	9988358	9988358	TRAF3 regulator of nonsense transcripts homolog 9 (yeast)
39928	ENSG00000190937	HSD18B7	38196	-0.05	protein_coding	16	30996519	31000473	hydroxy-delta-5-steroid dehydrogenase, 3-beta, and steroid delta-isomerase 7
39933	ENSG00000134246	FKBL1	38201	-0.05	protein_coding	7	50511831	50518068	fdgulin-like 1
39939	ENSG00000186490	PCSK9	38201	-0.05	protein_coding	10	120962179	120962179	KIAA0195
39942	ENSG00000191330	LMO2D3	38208	-0.05	protein_coding	3	89156023	89172183	discoiled domain receptor tyrosine kinase 2
39954	ENSG00000187233	DRD2	38223	-0.05	protein_coding	1	162691163	16275780	melanin concentrating hormone receptor 2
39963	ENSG00000190660	MIR508	38236	-0.05	protein_coding	8	47926323	48027399	melanin concentrating hormone receptor 2
39962	ENSG00000191512	SIX3	38238	-0.05	protein_coding	1	31342314	31381068	synectin 3
39966	ENSG00000111186	WNT5B	38238	-0.05	protein_coding	12	16389057	17564029	wntless-type MMV1 transmembrane family, member 5B
39967	ENSG00000190966	MIR508	38238	-0.05	protein_coding	8	47926323	48027399	melanin concentrating hormone receptor 2
39977	ENSG00000134653	SYN1ZBP	38250	-0.05	protein_coding	14	70981248	70983778	synaptarin 2 binding protein
39985	ENSG00000186827	GFN1	38260	-0.05	protein_coding	3	15832067	15841034	G elongation factor, mitochondrial 1
39988	ENSG00000173207	CKS1B	38263	-0.05	protein_coding	7	159491228	159491225	CDC28 protein kinase regulatory subunit 1B
40013	ENSG00000151591	AKC2	38263	-0.05	protein_coding	1	140312263	140312263	self domain containing kinase 2
40019	ENSG00000181909	HEY1	38292	-0.05	protein_coding	1	40083821	40105617	hes-related family BHLH transcription factor with YRFP motif-like
40023	ENSG00000186260	GSDCA1	38295	-0.05	protein_coding	2	180123969	180173105	guanylate cyclase 1C
40023	ENSG00000186260	GSDCA1	38295	-0.05	protein_coding	2	220482649	220482649	solute carrier family 4, non-exchangeable, member 3
40042	ENSG00000172201	ID4	38319	-0.05	protein_coding	6	19887817	19849015	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein
40055	ENSG00000190210	ALDH2	38329	-0.05	protein_coding	17	19551446	19559491	aldehyde dehydrogenase 3, family, member A2
40056	ENSG00000190725	TRAF6	38331	-0.05	protein_coding	17	73839384	73839384	bone morphogenetic protein-like acid-inducible nuclear-specific 1
40067	ENSG00000137801	TRBS1	38343	-0.05	protein_coding	15	39873289	39873289	thrombospondin 1
40068	ENSG00000190586	OLM2	38346	-0.05	protein_coding	19	9964894	10047226	olactosylin 2
40075	ENSG00000190591	CAV2	38346	-0.05	protein_coding	14	115907454	116148566	calyculin 2
40078	ENSG00000100823	CYB5B1	38381	-0.05	protein_coding	17	61509665	61523739	cytochrome b5b1
40083	ENSG00000121246	TRIM8	38385	-0.05	protein_coding	11	5817329	5834188	trinitrate motif containing 8
40086	ENSG00000184909	TGSEA2	38370	-0.05	protein_coding	3	101303860	101303860	transcription elongation factor A SII-like 2
40100	ENSG00000101928	MOSPD1	38385	-0.05	protein_coding	X	134021656	134049297	mottle sperm domain containing 1
40106	ENSG00000120202	DNAH1	38389	-0.05	protein_coding	19	14675552	14404502	DNAH1 (Hsp40) homolog, subfamily B, member 1
40111	ENSG00000170611	NUP91	38411	-0.05	protein_coding	13	47430511	47430511	nucleus (nucleoside diphosphate) linked karyosome motif 16-kDa 1
40122	ENSG00000172346	CSDC2	38415	-0.05	protein_coding	22	41958767	41973745	cold shock domain containing C2, RNA binding 1
40126	ENSG00000186490	TALIN4	38420	-0.05	protein_coding	1	32642827	32663896	talin alpha
40128	ENSG00000111130	ATP8A1	38422	-0.05	protein_coding	20	148573057	148573744	ATPase, H+ transporting, V0 subunit e2
40132	ENSG00000101079	NRD3	38428	-0.05	protein_coding	20	35260169	35274481	family member 3
40136	ENSG00000113070	HECF2	38432	-0.05					

40498	ENSG00000144308	EXOC8B	38782	-0.05	protein_coding	2	72403173	7393370	exocyst complex component 6B
40498	ENSG00000115128	TROX	38788	-0.05	protein_coding	2	10605509	10605510	TBC1 domain family, member 8b (with GRAM domain)
40509	ENSG00000137267	TURB2A	38802	-0.05	protein_coding	6	9153903	9157780	kublin, beta 2A class Iib
40513	ENSG00000089225	TBX3	38808	-0.05	protein_coding	12	114791736	114846247	T-box 5
40519	ENSG00000168184	CUBD	38813	-0.05	protein_coding	3	45123770	45187814	CUB domain containing protein 1
40540	ENSG00000174663	SERTAF3	38820	-0.05	protein_coding	19	92492911	92492912	SERTAF domain containing protein 3
40529	ENSG00000202203	VEZT	38825	-0.05	protein_coding	12	95611522	95696569	vezatin, adherens junctions transmembrane protein
40537	ENSG00000175586	EPFAM1	38834	-0.05	protein_coding	2	56051002	56115274	EGF containing fibulin-like extracellular matrix protein 1
40545	ENSG00000098711	PISG	38846	-0.05	protein_coding	17	124137455	124280406	polyphosphoinositide glycan anchor biosynthesis, class S
40550	ENSG00000186355	PIPF1	38849	-0.05	protein_coding	2	59951400	59951405	poly(ADP-ribose) nucleotidyltransferase 1
40554	ENSG00000195423	ALDH1A1	38854	-0.05	protein_coding	2	91197936	91229273	aldehyde dehydrogenase 4 family, member A1
40557	ENSG00000155008	APOLC	38859	-0.05	protein_coding	X	84258832	84258833	apolipoprotein O-like
40558	ENSG00000195409	ATP13A3	38862	-0.05	protein_coding	19	42410724	42511049	ATPase, Na(+)-K(+)-transporting, alpha 3 polypeptide
40570	ENSG00000200709	DCMR2	38872	-0.05	protein_coding	8	98934786	98934793	discoplain, CUB and LUC1 domain containing 2
40580	ENSG00000165238	WNK2	38888	-0.05	protein_coding	9	95947198	96082816	WNK lysine deficient protein kinase 2
40583	ENSG00000190776	C11orf87	38895	-0.05	protein_coding	11	111944810	111950474	chromosome 11 open reading frame 57
40587	ENSG00000102626	FAM71A	38908	-0.05	protein_coding	21	46329292	46329694	family with sequence similarity 207, member A
40590	ENSG00000174791	RIN1	38915	-0.05	protein_coding	11	66097113	66104311	Ras and Rab interactor 1
40591	ENSG00000195549	RAB3A	38917	-0.05	protein_coding	19	18317994	18314884	RAB3A, member RAS oncogene family
40608	ENSG00000170223	CENPF	38920	-0.05	protein_coding	3	115292117	115292337	centromere-associated protein 4
40614	ENSG00000102901	CENPF	38930	-0.05	protein_coding	8	6786260	67881714	centromeres protein T
40624	ENSG00000114279	FGF12	38937	-0.05	protein_coding	3	191857184	192485553	fibroblast growth factor 12
40630	ENSG00000100138	DDX5	38948	-0.05	protein_coding	20	53092108	53092710	deafness protein 5
40641	ENSG00000170775	GPR37	38953	-0.05	protein_coding	7	12438635	124405881	G protein-coupled receptor 37 (endothelin receptor type B-like)
40642	ENSG00000166097	FNDC5	38956	-0.05	protein_coding	1	33327869	33338083	fibronectin type III domain containing 5
40643	ENSG00000124641	MED20	38957	-0.05	protein_coding	6	41833922	41898872	mediator complex subunit 20
40659	ENSG00000178026	FAM21B	38974	-0.05	protein_coding	22	24981588	24989175	family with sequence similarity 211, member B
40667	ENSG00000189122	FAM108	38985	-0.05	protein_coding	8	89807068	89911688	family with sequence similarity 110, member B
40668	ENSG00000165538	PCDH9B	38990	-0.05	protein_coding	8	86061186	86061187	protodesmosin 3 (Desoplamin)
40669	ENSG00000205412	PCDH9B	38990	-0.05	protein_coding	5	140797427	140808246	protodesmosin gamma subfamily 5, 7
40670	ENSG00000102788	NPC2	38994	-0.05	protein_coding	12	95414005	95467479	nuclear receptor subfamily 2, group C, member 1
40672	ENSG00000100128	MRFB	38995	-0.05	protein_coding	3	12201139	12201140	colocal domain containing protein 3
40675	ENSG00000101773	RBP9	38993	-0.05	protein_coding	18	20376224	20396451	retinol-binding protein 9
40677	ENSG00000162642	C1orf82	38998	-0.05	protein_coding	1	85715639	85725355	chromosome 1 open reading frame 82
40681	ENSG00000188813	CEP350	39001	-0.05	protein_coding	1	23018634	23018635	nanos homeobox 1 (Drosophila)
40689	ENSG00000100323	BCKDH	39007	-0.05	protein_coding	6	30816364	31055687	branched chain keto acid dehydrogenase E1, beta polypeptide
40690	ENSG00000180611	MBP1D2	39007	-0.05	protein_coding	3	192514054	192539390	Mal-21 domain containing 2
40690	ENSG00000191573	AKAP7	39012	-0.05	protein_coding	2	18774618	18774633	transmembrane domain 242
40696	ENSG00000158882	TOMM40L	39014	-0.05	protein_coding	1	161195793	161200408	translocase of outer mitochondrial membrane 40 homolog (yeast)-like
40697	ENSG00000134320	CRABP2	39015	-0.05	protein_coding	1	156698386	156679508	cellular retinoic acid binding protein 2
40698	ENSG00000191639	TMEM34	39015	-0.05	protein_coding	2	39851760	39851761	transmembrane protein 34
40705	ENSG00000098927	ZW10	39020	-0.05	protein_coding	11	113903999	113944533	zinc10 kinsinore protein
40706	ENSG00000172260	NEGR1	39022	-0.05	protein_coding	1	71861823	72748417	neuronal growth regulator 1
40707	ENSG00000191016	AKP2	39026	-0.05	protein_coding	6	151581184	151679262	A kinase (PRK) anchor protein 2
40709	ENSG00000136368	SFR107	39027	-0.05	protein_coding	6	132815105	132820604	S protein family receptor tyrosine kinase 107
40710	ENSG00000098248	NUP133	39029	-0.05	protein_coding	1	229577045	22964103	nucleoporin 133kDa
40713	ENSG00000104503	INTS7	39044	-0.05	protein_coding	1	212113471	212120884	integrator complex subunit 7
40728	ENSG00000155324	GRN303	39061	-0.05	protein_coding	5	125662654	125662186	GRN domain containing 3
40743	ENSG00000204256	BRD2	39065	-0.05	protein_coding	6	32639437	32649282	bram domain containing 2
40745	ENSG00000119972	CRY1	39072	-0.05	protein_coding	10	46211441	46313383	iron-uptake-inducing enzyme
40745	ENSG00000114448	GAT4B	39074	-0.05	protein_coding	10	19748404	19748404	A2A binding protein 4
40753	ENSG00000198917	CA11	39082	-0.05	protein_coding	9	131581930	131592100	chromosome 9 open reading frame 114
40750	ENSG00000198180	CNTN1	39083	-0.05	protein_coding	19	49141199	49149869	carboxyl terminus of heparan sulfate glycoprotein XI
40750	ENSG00000205772	CHP2	39107	-0.05	protein_coding	12	90710129	90710130	casein 101F signaling regulator 2
40778	ENSG00000135919	SERPINE2	39110	-0.05	protein_coding	2	224838829	224904304	serpin peptidase inhibitor, class E (nein, plasminogen activator inhibitor type 1, member 2)
40780	ENSG00000190840	CRY1	39119	-0.05	protein_coding	12	107385142	107407807	iron-uptake-inducing enzyme
40786	ENSG00000209434	PRK11	39121	-0.05	protein_coding	31	28118126	32112159	protein tyrosine kinase 11
40784	ENSG00000180194	NDFUF3	39123	-0.05	protein_coding	21	44292754	44333414	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa
40787	ENSG00000155845	ZNF318	39127	-0.05	protein_coding	16	88836789	88868374	zinc finger CCHC-type containing 18
40786	ENSG00000192986	MRFB	39127	-0.05	protein_coding	16	14486728	14486729	mitochondrial ribosomal protein S8
40790	ENSG00000177566	PIPO	39138	-0.05	protein_coding	11	799179	799753	p53-induced death domain protein
40793	ENSG00000119537	KO3R	39144	-0.05	protein_coding	19	90994959	91034743	3-ketolycoprostanoic reductase
40801	ENSG00000200434	KANSL2	39145	-0.05	protein_coding	6	72831744	72834699	mitochondrial ribosomal protein L18
40806	ENSG00000168280	KIF5C	39152	-0.05	protein_coding	2	14863219	14863273	kinesin family member 5C
40811	ENSG00000108171	DUSP12	39156	-0.05	protein_coding	1	16171848	161727208	dual specificity phosphatase 12
40813	ENSG00000101893	ANKRD3	39157	-0.05	protein_coding	7	7936129	7936130	ankyrin repeat domain-containing protein 3
40816	ENSG00000170291	ELPS	39158	-0.05	protein_coding	17	7163735	7163739	elongator acetyltransferase complex subunit 5
40818	ENSG00000202747	B4GAL7	39157	-0.05	protein_coding	5	17702710	17703738	xylosyltransferase beta 1.4 galactosyltransferase, polypeptide 7
40828	ENSG00000105524	ANKRD3	39158	-0.05	protein_coding	7	18632804	18632805	ankyrin repeat domain-containing protein 3
40843	ENSG00000129946	SHC2	39170	-0.05	protein_coding	19	416583	409096	SHC (Src homology 2 domain containing) transforming protein 2
40843	ENSG00000182118	FAM89A	39180	-0.05	protein_coding	1	231154704	231179892	family with sequence similarity 89, member A
40844	ENSG00000186607	KU80B	39180	-0.05	protein_coding	10	12907100	12907101	katenin domain containing 10
40852	ENSG00000182325	FBXL6	39192	-0.05	protein_coding	8	145579001	145583036	F-box and leucine-rich repeat protein 6
40855	ENSG00000195286	RNF207	39195	-0.05	protein_coding	1	8268535	82691359	ring finger protein 207
40856	ENSG00000195293	RNF207	39195	-0.05	protein_coding	1	4441830	44430478	ring finger protein 207
40863	ENSG00000153774	CFDP1	39202	-0.05	protein_coding	16	75327596	75387283	craniofacial development protein 1
40866	ENSG00000192025	SNL3	39206	-0.05	protein_coding	5	188232409	188292466	SNL1 nucleotide exchange factor
40868	ENSG00000190584	ZNF383	39203	-0.05	protein_coding	24	26498561	26498561	zinc finger protein 383
40872	ENSG00000149356	POP1	39210	-0.05	protein_coding	8	9912925	9912925	processing of precursor 1, ribonucleoside PIMRP subunit (S. cerevisiae)
40873	ENSG00000204915	PCDCE	39211	-0.05	protein_coding	5	271739	393771	programmed cell death 5
40873	ENSG00000174471	SMG8	39211	-0.05	protein_coding	11	5723181	5723182	SMG8 nuclear mediated mRNA decay factor
40883	ENSG00000196330	MSPD3	39220	-0.05	protein_coding	7	100209725	100213007	met15a protein domain containing 3
40889	ENSG00000186761	ADAMTSL5	39230	-0.05	protein_coding	19	1505071	1513603	ADAMTSL-like 5
40894	ENSG00000136002	ARHGAP4	39231	-0.05	protein_coding	2	113944689	113946336	Rho guanine nucleotide exchange factor (GEF) 4
40895	ENSG00000100843	SERH1	39233	-0.05	protein_coding	2	12981132	12981133	SERH1-like (S. cerevisiae)
40901	ENSG00000186493	C5orf8	39238	-0.05	protein_coding	5	2752245	2755508	chromosome 5 open reading frame 38
40910	ENSG00000191503	CNTN3	39256	-0.05	protein_coding	11	134002011	134005348	non-SMG condensin II complex, subunit D3
40916	ENSG00000191496	TMEM121	39256	-0.05	protein_coding	13	105892840	105892841	transmembrane protein 121
40929	ENSG00000172500	FBP	39285	-0.05	protein_coding	11	65861212	65866610	fibroblast growth factor 8 (acidic) intracellular binding protein
40934	ENSG00000186624	DCKRTE1	39286	-0.05	protein_coding	10	11559488	11561442	DNA cross-link repair 1A
40934	ENSG00000186624	KANSL2	39286	-0.05	protein_coding	6	4841784	4841785	KAT5 ribosomal protein complex subunit 2
40934	ENSG00000193280	METRN	39291	-0.05	protein_coding	16	765115	765955	metronin, glial cell differentiation regulator
40935	ENSG00000197695	ZNF444	39292	-0.05	protein_coding	19	9884398	98972262	zinc finger protein 444
40937	ENSG00000204212	ARKS1G	39292	-0.05	protein_coding	19	3191268	3191269	Rho GTPase activator inhibitor (GDI) gamma
40947	ENSG00000100810	CADPS3	39303	-0.05	protein_coding	7	12195841	12195813	Ca++ dependent secretion activator 2
40949	ENSG00000189893	CEPL1	39303						

41171	ENSG00000184205	TSPLY2	39532	-0.05	protein_coding	5	53111549	53117722	TSPLY-like 2
41191	ENSG00000204999	ESR	744	-0.05	protein_coding	8	744	7438910	desmoplakin
41196	ENSG00000179678	FOXJ1	35555	-0.05	protein_coding	16	86609974	86611303	forkhead box L1
41196	ENSG00000200220	GEMN2	39555	-0.05	protein_coding	14	39554227	39561777	gem (nuclear organella) associated protein 2
41200	ENSG00000204381	LAIN	39561	-0.05	protein_coding	11	11441265	11432264	lyvein
41209	ENSG00000117425	F3	39561	-0.05	protein_coding	1	38494781	38507336	coagulation factor 3 (fibrinogenolytic tissue factor)
41218	ENSG00000155363	Mov10	39560	-0.05	protein_coding	7	113215763	113243368	Mov10, Moloney leukemia virus 10, homology (mouse)
41220	ENSG00000174499	ADMT2	39561	-0.05	protein_coding	7	14581343	14611990	contamin associated protein-like 2
41223	ENSG00000193878	ADAMT5	39594	-0.05	protein_coding	15	79831545	79833773	ADAM metalloprotease with thrombospondin type 1 motif 7
41229	ENSG00000126388	NRIID	39600	-0.05	protein_coding	17	38249040	38256978	nuclear receptor subfamily 1, group D, member 1
41231	ENSG00000194116	SUC3A	39602	-0.05	protein_coding	16	81654441	81731762	solute carrier family 1 (glutamate/aspartate transporters), member 3
41232	ENSG00000193285	SLC3A2	39604	-0.05	protein_coding	3	86603663	86604108	soluble carrier family 2 (lactate/glucose transporters), member 2
41243	ENSG00000163378	EGOT	39614	-0.05	protein_coding	3	69024365	69038112	EGF domain-specific O-linked N-acetylglucosamine (EGF) transferase
41244	ENSG00000131591	C1orf159	39616	-0.05	protein_coding	1	1017198	1051741	chromosome 1 open reading frame 159
41249	ENSG00000115115	GATA4	39617	-0.05	protein_coding	8	11531824	11531911	GATA binding protein 4
41250	ENSG00000179922	ZNF784	39619	-0.05	protein_coding	9	58132108	58135967	zinc finger protein 784
41256	ENSG00000196077	PPP1R3G	39623	-0.05	protein_coding	6	5085720	5087455	protein phosphatase 1, regulatory subunit 3G
41257	ENSG00000191153	SALL4	39624	-0.05	protein_coding	20	50405681	50410599	spalt-like transcription factor 4
41258	ENSG00000174516	PELI3	39626	-0.05	protein_coding	11	6623416	66244808	patello E3 ubiquitin protein ligase family member 3
41261	ENSG00000096468	FGR2	39628	-0.05	protein_coding	10	12323748	12329772	fibroblast growth factor receptor 2
41273	ENSG00000115255	QPFB3	39637	-0.05	protein_coding	5	5321002	5321002	G protein-coupled receptor 153
41274	ENSG00000163795	ZNF513	39637	-0.05	protein_coding	2	27600987	27603857	zinc finger protein 513
41281	ENSG00000143153	ATP1B1	39645	-0.05	protein_coding	1	16907435	16910190	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide
41296	ENSG00000170088	TMEM192	39658	-0.05	protein_coding	4	11662514	11662501	transmembrane protein 192
41297	ENSG00000144935	TRPC1	39658	-0.05	protein_coding	3	142442916	14245230	transient receptor potential cation channel, subfamily C, member 1
41299	ENSG00000098785	MARCKSP2	39660	-0.05	protein_coding	22	51039114	51052409	mitogen-activated protein kinase 5 interacting protein 2
41299	ENSG00000100709	HSD17B14	39661	-0.05	protein_coding	19	48319274	48319305	hydroxysteroid (17-beta) dehydrogenase 14
41298	ENSG00000141441	GAREM1	39674	-0.05	protein_coding	18	29704840	30054447	GRB2 associated, regulator of MAPK1
41300	ENSG00000144960	VCLL4	39677	-0.05	protein_coding	3	11597544	11782220	vesigial like 4 (Drosophila)
41305	ENSG00000190288	C10orf105	39678	-0.05	protein_coding	12	4108622	4108622	chromosome 10 open reading frame 105
41306	ENSG00000158730	STOX1	39683	-0.05	protein_coding	10	70587298	70655188	shortbow box 1
41307	ENSG00000132872	SIT4	39688	-0.05	protein_coding	18	40847843	40856715	synaptotagmin IV
41308	ENSG00000103749	MORF2	39689	-0.05	protein_coding	1	17961909	17961909	mitogen-activated protein kinase 9
41313	ENSG00000117152	RSGA	39696	-0.05	protein_coding	1	16303955	16304592	regulator of G protein signaling 4
41318	ENSG00000171951	SC22	39701	-0.05	protein_coding	2	224441658	22447221	secretogranin II
41319	ENSG00000135563	ERBB3	39703	-0.05	protein_coding	2	212328465	212328465	epidermal growth factor receptor 3
41334	ENSG00000147144	CCDC120	39717	-0.05	protein_coding	X	48911101	48927509	coiled-coil domain containing 120
41338	ENSG00000205966		39720	-0.05	protein_coding	9	37512544	37592466	Uncharacterized protein
41343	ENSG00000163581	SLC6A1A	39727	-0.05	protein_coding	17	28714601	28734015	solute carrier family 6 (dicarboxylate transporters), member 1
41351	ENSG00000184176	EDL3	39742	-0.05	protein_coding	5	8323673	83806011	EGF-like repeats and discoidin-like domains 3
41352	ENSG00000192878	FGR3	39743	-0.05	protein_coding	13	22245522	22277837	fibroblast growth factor 3
41353	ENSG00000114959	C1orf101	39745	-0.05	protein_coding	12	14861345	14861345	chromosome 10 open reading frame 91
41355	ENSG00000100167	3-Sep	39747	-0.05	protein_coding	22	42372276	42394225	septin 3
41356	ENSG00000172379	ARN2T	39750	-0.05	protein_coding	15	80989692	80989762	aryl hydrocarbon receptor nuclear translocator 2
41361	ENSG00000136569	ORF71	39757	-0.05	protein_coding	9	137897268	13801026	ORF71
41363	ENSG00000209557	TRPM1	39757	-0.05	protein_coding	19	52891816	52910076	Transient receptor potential cation channel, subfamily M, member 1
41364	ENSG00000135033	POLR3B	39758	-0.05	protein_coding	12	106751436	10693076	polymyosin (RNA III) domain-directed polypeptide B
41366	ENSG00000198262	YBE1	39759	-0.05	protein_coding	21	61776251	61777665	Ybe1 metalloprotease
41378	ENSG00000196969	NEU4	39764	-0.05	protein_coding	50	91119120	91120445	neuronal precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein ligase
41380	ENSG00000160203	VAV2	39778	-0.05	protein_coding	9	136627016	136627716	vav 2 guanine nucleotide exchange factor
41384	ENSG00000185671	AHNAK2	39781	-0.05	protein_coding	14	10540381	10544494	AHNAK, nudgerapin 2
41387	ENSG00000204423	KIF18A	39784	-0.05	protein_coding	15	10710663	10710663	kinesin family member 18
41395	ENSG00000166138	ANKS6	39794	-0.05	protein_coding	9	101463611	101550247	ankyrin repeat and sterile alpha motif domain containing 6
41400	ENSG00000184920	OSR2	39798	-0.05	protein_coding	8	99959331	99964332	odd-skipped related transcription factor 2
41404	ENSG00000193490	KIF17	39800	-0.05	protein_coding	12	52645470	52645470	kinesin family member 17
41406	ENSG00000204536	CCHCR1	39809	-0.05	protein_coding	6	13110216	13126015	coiled-coil alpha-helical rod protein 1
41418	ENSG00000189279	NHPHA	39814	-0.05	protein_coding	7	57810578	57920232	neuropilin 4
41421	ENSG00000132671	C1orf11	39815	-0.05	protein_coding	15	170138683	170138683	chromosome 1 open reading frame 11
41442	ENSG00000131860	EDZR2	39820	-0.05	protein_coding	X	6881479	6889108	ectodysplasin A2 receptor
41443	ENSG00000189752	NRG5	39821	-0.05	protein_coding	15	7622810	7625136	neuregulin 5
41444	ENSG00000193490	MIR67	39822	-0.05	protein_coding	15	1628104	1628104	mitogen-activated protein kinase 7
41451	ENSG00000105290	ARPL1	39825	-0.05	protein_coding	9	36330891	36330891	amyloid beta (A4) precursor-like protein 1
41456	ENSG00000101333	PLCB4	39870	-0.05	protein_coding	20	9048410	9461889	phospholipase C, beta 4
41459	ENSG00000191795	SLC26A6	39872	-0.05	protein_coding	10	12441747	12441747	SLC26A6, ankyrin 1
41462	ENSG00000202567	SLC26A6	39877	-0.05	protein_coding	3	48663156	48672926	solute carrier family 26 (anion exchanger), member 6
41467	ENSG00000162095	TRC102A	39881	-0.05	protein_coding	16	2525147	2525735	'BC1' domain family, member 24
41468	ENSG00000192444	ATL2	39882	-0.05	protein_coding	17	7440456	7440456	ATPase, Na ⁺ /K ⁺ transporting, beta 2 polypeptide
41472	ENSG00000120658	ENOX1	39885	-0.05	protein_coding	13	43787654	44361044	endo-NOX diacylglycerol-thiol exchanger 1
41474	ENSG00000139910	NOVA1	39887	-0.05	protein_coding	14	26912299	27066960	neuro-oncological antigen 1
41475	ENSG00000177380	PFPA3	39887	-0.05	protein_coding	9	49622846	49642823	protein tyrosine phosphatase, receptor type, type 3 (PTPRF), interacting protein (Sprin), alpha 3
41478	ENSG00000184810	RFP	39891	-0.05	protein_coding	7	33134409	33149013	retinitis pigmentosa 9 (autosomal dominant)
41481	ENSG00000191710	PSR2	39892	-0.05	protein_coding	17	65331075	65331075	proteasome (20S) subunit, non-ATPase, 12
41485	ENSG00000100882	ARHGAP5	39894	-0.05	protein_coding	14	3254520	3258934	Rho GTPase activating protein 5
41486	ENSG00000190977	GSZT1	39898	-0.05	protein_coding	14	77787220	77787940	glutathione S-transferase zeta 1
41489	ENSG00000190708	SLC18A3	39902	-0.05	protein_coding	13	113863692	113863692	potassium intermembrane channel conductance calcium-activated channel, subfamily N, member 2
41493	ENSG00000200208	CDH3	39907	-0.05	protein_coding	16	68870562	6879519	cadherin 3, type 1, P-cadherin (pactactin)
41495	ENSG00000189822	SCS3	39908	-0.05	protein_coding	15	32938877	32938899	secretogranin V (R2) protein
41499	ENSG00000191788	PCSK9	39913	-0.05	protein_coding	15	35710483	35710483	PCSK9, proprotein convertase subtilisin/kexin type 9
41502	ENSG00000196769	TRPBP1	39913	-0.05	protein_coding	15	43959407	43962026	tumor protein 53 binding protein 1
41506	ENSG00000198174	PKS9	39915	-0.05	protein_coding	1	5559221	5559221	proprotein convertase subtilisin/kexin type 9
41509	ENSG00000140598	PCSK8	39915	-0.05	protein_coding	8	11020198	11020198	proprotein convertase subtilisin/kexin type 9
41519	ENSG00000172422	RHOBTB1	39926	-0.05	protein_coding	10	62629196	62761198	Rho-related BTB domain containing 1
41521	ENSG00000114270	COL7A1	39930	-0.05	protein_coding	3	48601506	48623700	collagen, type VII, alpha 1
41523	ENSG00000144699	NEH1	39930	-0.05	protein_coding	17	12340368	12342908	neuronal chondrin ester hydrolase 1
41527	ENSG00000181194	GPR112	39934	-0.05	protein_coding	X	53018277	53018277	G protein-coupled receptor 173
41528	ENSG00000189184	PCDH18	39934	-0.05	protein_coding	4	13844072	13845348	protodesmosin 18
41528	ENSG00000186978	DMT1	39936	-0.05	protein_coding	9	13966568	13101757	dynamins 1
41530	ENSG00000151458	ANKRD50	39940	-0.05	protein_coding	17	125632007	125633897	ankyrin repeat domain 50
41539	ENSG00000139211	AMIGO2	39944	-0.05	protein_coding	12	47469499	47473734	adhesion molecule with Ig-like domain 2
41542	ENSG00000198530	FEZ3	39949	-0.05	protein_coding	19	91244469	91250306	paternally expressed 3
41544	ENSG00000191991	CNTNAP1	39949	-0.05	protein_coding	19	64814631	64818152	contactin associated protein 1
41550	ENSG00000166948	IFGZL1	39951	-0.05	protein_coding	14	94547828	94570192	interferon, alpha-inducible protein 27-like 1
41551	ENSG00000180461	TNFRSF1B	39954	-0.05	protein_coding	8	11995796	11994439	tumor necrosis factor receptor superfamily, member 1B
41552	ENSG00000190393	TNFRSF10D	39955	-0.05	protein_coding	9	93861960	93871262	suppressor of cytokine signaling 2
41563	ENSG00000173530	INPDC5	39966	-0.05	protein_coding	8	22932103	23021543	tumor necrosis factor receptor

41811	ENSG00000182749	PAQR7	40230.8	-0.05	protein_coding	1	26187701	26187740	progesterin and adipoX receptor family member VII
41812	ENSG00000183378	RAMP4	40233.8	-0.05	protein_coding	14	54428641	54428674	bone morphogenetic protein 4
41814	ENSG00000210652	C15orf65	40233.8	-0.05	protein_coding	15	55700748	55710962	chromosome 15 open reading frame 65
41818	ENSG00000138074	SLC6A6	40239.8	-0.05	protein_coding	2	27424526	27435626	solute carrier family 6 (sodium/vitamin and iodide cotransporter), member 6
41819	ENSG00000187244	PRKRA	40239.4	-0.05	protein_coding	11	21503427	21706141	ras p21 protein kinase 2 (somatomedin A)
18203	ENSG00000209294	RFKM52	40242.5	-0.05	protein_coding	9	39693255	39693254	pectenidin homology domain containing family G (with RhoGDI domain) member 2
41829	ENSG00000101098	SPFH2	40249.5	-0.05	protein_coding	20	43380449	43439979	regulating surface membrane exocytosis 4
41835	ENSG00000086176	PERK5	40254.6	-0.05	protein_coding	19	46122546	46133548	springlexine kinase 2
18482	ENSG00000187921	KAZP61	40259.6	-0.05	protein_coding	18	102821586	102821588	Kazal-type serine peptidase inhibitor domain 1
41847	ENSG00000198914	PDU3F3	40269.9	-0.05	protein_coding	2	105411969	10547829	POU class 3 homeobox 3
41848	ENSG00000186182	ZNF67	40267.6	-0.05	protein_coding	19	36112484	36210661	zinc finger protein 607
41849	ENSG00000183931	ZNF10	40268.4	-0.05	protein_coding	9	81837663	81837664	zinc finger class B18 domain containing 10
41851	ENSG00000146463	BBS4	40270.8	-0.05	protein_coding	15	72978527	73030817	Bardet-Bied syndrome 4
41853	ENSG00000135229	MMS19	40272.1	-0.05	protein_coding	10	96218081	96258551	MMS19 nucleotide excision repair homolog (S. cerevisiae)
41859	ENSG00000201764	KIAA1898	40278.4	-0.05	protein_coding	1	118684742	118689937	KIAA1898
41860	ENSG00000106841	BBD1	40279.6	-0.05	protein_coding	17	19240367	19281495	B8 protein domain 1
41867	ENSG00000188502	SOX42	40285.9	-0.05	protein_coding	18	8705659	8832378	SOX4 family member 2
41876	ENSG00000201793	LIPR8	40296.8	-0.05	protein_coding	6	53713217	53730742	low density lipoprotein receptor-related protein 8, apolipoprotein E receptor
41879	ENSG00000091656	ZFH4X	40301.6	-0.05	protein_coding	8	77593454	77795291	zinc finger homeobox 4
41881	ENSG00000188290	HE4	40303.4	-0.05	protein_coding	1	934342	935552	hes family HLH transcription factor 4
41888	ENSG00000105737	PPOY10	40312.4	-0.05	protein_coding	16	29572177	29572201	proline-rich transmembrane protein 2
41889	ENSG00000176112	SLC25A33	40312.5	-0.05	protein_coding	1	9595841	9645237	solute carrier family 25 (pyrimidine nucleotide carrier), member 33
41896	ENSG00000185671	DACT1	40325.6	-0.05	protein_coding	14	59110885	59115039	dishevelled-binding antagonist of beta-catenin 1
41905	ENSG00000101345	CNR116	40337.7	-0.05	protein_coding	9	138307027	138305380	chromosome 9 gene readthrough frame 116
41910	ENSG00000109255	NMU	40344.7	-0.05	protein_coding	4	56461396	56602865	neuromedin L1
41911	ENSG00000171517	LIPAR3	40344.9	-0.05	protein_coding	1	85277285	85358696	lysophospholipid acid receptor 3
41913	ENSG00000106376	SLC39F1	40347.1	-0.05	protein_coding	6	119209699	119209698	solute carrier family 39, member F11
41916	ENSG00000090530	LEPREL1	40354.5	-0.05	protein_coding	3	189874517	189840226	leprexin-like 1
41920	ENSG00000186571	GLU3	40357.6	-0.05	protein_coding	7	42005448	42277469	GLU family zinc finger 3
41923	ENSG00000101028	GALNT18	40358.1	-0.05	protein_coding	12	112081363	112081364	UDP-N-acetyl-alpha-D-galactose 4-epimerase/UDP-N-acetylglucosamine 6S transferase 18
41926	ENSG00000109184	DCNT104	40363.1	-0.05	protein_coding	4	52709156	52783003	DCN1 defective in cullin neddylation 1, domain containing 4
41927	ENSG00000152939	MARVELD2	40364.1	-0.05	protein_coding	5	68710939	68740157	MARVEL domain containing 2
41929	ENSG00000145545	SRD5A1	40372.3	-0.05	protein_coding	5	6633456	6669675	steroid 5-alpha-reductase, alpha polypeptide 1 (6-oxo-5-alpha-steroid delta 4-delta-3-ketoreductase alpha 1)
41934	ENSG00000033627	ATP9VA1	40376.8	-0.05	protein_coding	17	40610862	40674629	ATPase, H ⁺ transporting, lysosomal V0 subunit a1
41938	ENSG00000201373	ATP9VA2	40376.8	-0.05	protein_coding	17	71698223	71700244	ATPase, H ⁺ transporting, lysosomal V0 subunit a1
41937	ENSG00000153684	RPN14	40384.7	-0.05	protein_coding	3	58201974	58510422	ribonucleas PAMP 14kDa subunit
41939	ENSG00000103021	CDC13C	40387.3	-0.05	protein_coding	18	54265081	58137740	collet-coil domain containing 113
41940	ENSG00000101058	ZNF10A	40400.9	-0.05	protein_coding	16	53380703	53380703	zfp-11 family member A, cell cycle regulator
41944	ENSG00000189098	GPR173C	40424.5	-0.05	protein_coding	14	53019886	53104431	G protein-coupled receptor 137C
41949	ENSG00000132954	CDK8	40430.5	-0.05	protein_coding	13	28828678	28939775	cyclin-dependent kinase 8
41975	ENSG00000101545	ZNF393	40443.3	-0.05	protein_coding	13	6845769	6845769	zinc finger protein 822
41981	ENSG00000184398	MARPD2	40443.5	-0.05	protein_coding	X	20024831	20119535	MARP domain containing 2
41982	ENSG00000105103	MIMP16	40445.5	-0.05	protein_coding	8	89044237	88504254	matrix metalloproteinase 16 (membrane-inserted)
41983	ENSG00000104514	ZNF478	40446.8	-0.05	protein_coding	4	164001225	164068703	nucleosome assembly factor 1 ribonucleoprotein
18988	ENSG00000187961	KULH17	40450.5	-0.05	protein_coding	6	8658951	8658951	hepatocellular carcinoma protein 17
41992	ENSG00000174586	ZNF497	40456.7	-0.05	protein_coding	19	58865723	58874214	zinc finger protein 497
41994	ENSG00000105043	TFP62	40460.7	-0.05	protein_coding	14	74318547	74318547	prostaglandin reduction 2
19999	ENSG00000138170	HOXD10	40461.1	-0.05	protein_coding	12	118917518	118986870	homeobox D10
42001	ENSG00000113523	ANGL	40468	-0.05	protein_coding	14	77253588	77262589	anergy inhibitor 1 (Drosophila)
42004	ENSG00000111691	KR118	40472.9	-0.05	protein_coding	12	53342559	53344685	keratin 18
42024	ENSG00000202453	ANKRD18B	40484.8	-0.05	protein_coding	12	53342592	533573097	ankyrin repeat domain 18B
42017	ENSG00000166348	USP54	40491.1	-0.05	protein_coding	10	75217296	75385711	ubiquitin-specific peptidase 54
42021	ENSG00000186521	LNL1	40495.9	-0.05	protein_coding	3	197881071	197770991	leishmanolysin-like metalloprotease M6 family
42024	ENSG00000186150	ANKK7	40497.7	-0.05	protein_coding	12	53342592	533573097	anaphase promoting complex subunit 7
42028	ENSG00000133247	SUV420H2	40502.2	-0.05	protein_coding	19	55851221	55859488	suppressor of variegation 4-20 homolog 2 (Drosophila)
42032	ENSG00000204992	TMEM188	40508.3	-0.05	protein_coding	3	48269999	48267770	transmembrane protein 188 (gene/protein name)
42038	ENSG00000101949	ZNF429	40512.9	-0.05	protein_coding	12	88421943	88421943	chromosome 12 open reading frame 52
42049	ENSG00000006432	MARPK9	40524.8	-0.05	protein_coding	14	71186243	71276251	mitogen-activated protein kinase kinase kinase 9
42055	ENSG00000189981	ZNF35	40530.7	-0.05	protein_coding	3	44692019	44702283	zinc finger protein 35
42065	ENSG00000101403	WDR52	40532.1	-0.05	protein_coding	13	5265736	5265736	wee1 domain protein 2
42077	ENSG00000175702	WDR82	40541.7	-0.05	protein_coding	19	36548783	36568808	WD repeat domain 62
42083	ENSG00000205843	BCL2L2	40550.6	-0.05	protein_coding	14	23776044	23774578	BCL2L2-PABPNT1 readthrough
42098	ENSG00000186183	ZNF104	40551.4	-0.05	protein_coding	20	45122181	45122181	zinc finger protein 334
42091	ENSG00000164291	ARSK	40554	-0.05	protein_coding	5	94890778	94480786	arylsulfatase family, member K
42096	ENSG00000185453	C16orf68	40559.3	-0.05	protein_coding	19	48673949	48673057	chromosome 16 open reading frame 68
42098	ENSG00000145959	FOXP2	40562.9	-0.05	protein_coding	19	29273050	29278870	forkhead box G1
42105	ENSG00000176165	FOXG1	40574	-0.05	protein_coding	14	29236506	29238870	forkhead box G1
42108	ENSG00000109706	SYDE2	40578.2	-0.05	protein_coding	1	86622556	85966729	synapse defective 1, Rhos GTPase, homolog 2 (C. elegans)
42112	ENSG00000181827	PTGES3	40582.9	-0.05	protein_coding	15	44118158	44118158	PTGEM domain containing 5
42117	ENSG00000148344	PTGES	40583.5	-0.05	protein_coding	9	13250870	132515326	prostaglandin H synthase
42118	ENSG00000186089	STX1A	40583.5	-0.05	protein_coding	7	73113536	73134002	syntaxin 1A (brain)
42125	ENSG00000186918	ITKAP1	40585.3	-0.05	protein_coding	12	12368468	12368468	zinc finger protein 608
42126	ENSG00000105376	ICAM5	40591.9	-0.05	protein_coding	9	10400557	10409754	intercellular adhesion molecule 5, teleplaxin
42134	ENSG00000148373	RNF127	40600.4	-0.05	protein_coding	6	182583661	182613779	ring finger protein 217
42138	ENSG00000186928	ANKRD18A	40603.3	-0.05	protein_coding	12	53342592	533573097	ankyrin repeat domain 18A
42137	ENSG00000103404	USP31	40603.3	-0.05	protein_coding	16	23072727	23160591	ubiquitin-specific peptidase 31
42139	ENSG00000186572	KBTB6	40603.7	-0.05	protein_coding	13	47101705	47106882	repeat and repeat and BTB/POZ domain containing 6
42140	ENSG00000186444	KIF3A	40603.7	-0.05	protein_coding	13	13158188	13158188	KIAA1467
42142	ENSG00000185248	NLSN4Y	40608.9	-0.05	protein_coding	9	18634518	18697530	neurulin 4, Y-linked
42146	ENSG00000095769	DNAJC25	40611.4	-0.05	protein_coding	9	11439352	114432008	DNAJ (Hsp40) nucleolar, subfamily C, member 25
42147	ENSG00000186596	NFIB	40612.9	-0.05	protein_coding	12	4831229	4831229	winged-type MYT1 integration site family, member 7B
42151	ENSG00000121289	CEP350	40617.3	-0.05	protein_coding	19	33399902	33462897	centrosomal protein 98kDa
42156	ENSG00000174939	ASPHD1	40621.2	-0.05	protein_coding	16	29911896	29931185	aspartate beta-hydroxylase domain containing 1
42163	ENSG00000101190	TGFB3	40625.6	-0.05	protein_coding	20	61472467	61483115	transforming growth factor-beta type 3
42166	ENSG00000181571	FOXC2	40632.9	-0.05	protein_coding	19	74316239	7520134	forkhead box G1
42179	ENSG00000137522	RNF121	40652.9	-0.05	protein_coding	11	71638747	71709643	ring finger protein 121
42180	ENSG00000171274	VARS1	40656.4	-0.05	protein_coding	16	71624247	78014044	variable amino transferase 1-like
42182	ENSG00000101028	MAGI5	40658.6	-0.05	protein_coding	18	119813371	114268445	membrane associated guanylate kinase, WW and PDZ domain containing 3
42212	ENSG00000186435	NRPAP1	40678.8	-0.05	protein_coding	9	140184083	140196703	NOTCH signaling ankyrin repeat protein
42214	ENSG00000186189	FANCC	40679.6	-0.05	protein_coding	9	87861336	88019981	Fanconi anemia complementation group C
42216	ENSG00000186529	FANCA	40679.6	-0.05	protein_coding	9	88608267	88608267	forkhead box G2/NFI1, mesenchyme cell-specific 1
42221	ENSG00000166529	ZSCAN1	40688.4	-0.05	protein_coding	7	99867350	99867350	zinc finger and SCAN domain containing 21
42223	ENSG00000186184	TMSB10A	40690	-0.05	protein_coding	X	10178804	10171712	thymosin beta 10a
4244	ENSG0000								

39335	ENSG00000225648	SBDSP1	37555.4	-0.05	transcribed_unprocessed_pseu dogene	7	7230004	72307609	Shwachman-Bodian-Diamond syndrome pseudogene 1
39776	ENSG00000188599		36560.3	-0.05	transcribed_unprocessed_pseu dogene	16	15198178	15225458	nuclear pore complex interacting protein pseudogene 1
36602	ENSG00000229161		36887.2	-0.05	unprocessed_pseudogene	7	42834558	42842083	1 complex 1 pseudogene 1
28342	ENSG00000181543		26528.7	-0.05	unprocessed_pseudogene	17	26734814	26754260	ribosomal protein S1 pseudogene 1
30158	ENSG00000233954		28517.8	-0.05					
30988	ENSG00000226205		31169.8	-0.05					
33554	ENSG00000228929		31704.6	-0.05					
33888	ENSG00000144158		32048.2	-0.05					
34511	ENSG00000186076		32687.8	-0.05					
34802	ENSG00000233338		32946.4	-0.05					
36165	ENSG00000174100	MPLP45	34283.4	-0.05		17	36452889	36479101	mitochondrial ribosomal protein L45
36273	ENSG00000108988		34389.9	-0.05					
36284	ENSG00000223934		34527.2	-0.05					
36621	ENSG00000227034		34725	-0.05					
36816	ENSG00000257043		34936.2	-0.05					
36928	ENSG00000233514		35098.2	-0.05					
37537	ENSG00000235449		35676.4	-0.05					
38091	ENSG00000249774		36244.7	-0.05					
38211	ENSG00000221625		36302.9	-0.05					
38423	ENSG00000213194		36616.1	-0.05					
38599	ENSG00000234961		36686	-0.05					
38665	ENSG00000211168		36781.2	-0.05					
38725	ENSG00000258445		36822.9	-0.05					
38781	ENSG00000147382	FAM58A	36891.4	-0.05		X	15285377	15286500	family with sequence similarity 58, member A
39028	ENSG00000232060		37147.9	-0.05					
39022	ENSG00000232060		37238	-0.05					
39061	ENSG00000247134		37275.1	-0.05					
39128	ENSG00000255138		37355.3	-0.05					
39612	ENSG00000184674	GSTT1	37848.7	-0.05		22	24376133	24384680	glutathione S-transferase theta 1
39693	ENSG00000232499		37938.4	-0.05					
39788	ENSG00000235433		37962.3	-0.05					
39839	ENSG00000225536		38099	-0.05					
40201	ENSG00000249921		38504.3	-0.05					
40214	ENSG00000138831	RBM15B	38515.3	-0.05		3	51428731	51435330	RNA binding motif protein 15B
40284	ENSG00000237077		38572.2	-0.05					
40305	ENSG00000259020		38590.2	-0.05					
40323	ENSG00000268489		38616	-0.05					
40338	ENSG00000259796		38625.3	-0.05					
40386	ENSG00000230933		38675	-0.05					
40423	ENSG00000211411	DDX52	38718.2	-0.05		17	36989787	36993493	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52
40462	ENSG00000224908		38754	-0.05					
40483	ENSG00000237730		38755	-0.05					
40485	ENSG00000186477	ZNF280B	38779.3	-0.05		22	22838787	22863305	zinc finger protein 280B
40511	ENSG00000147484		38827.6	-0.05					
40595	ENSG00000250202		38904.3	-0.05					
40603	ENSG00000213560		38917.9	-0.05					
40623	ENSG00000214983		38935.3	-0.05					
40785	ENSG00000223559		39125.5	-0.05					
40888	ENSG00000216676		39332.2	-0.05					
41014	ENSG00000210522		39365	-0.05					
41023	ENSG00000228407		39374.4	-0.05					
41043	ENSG00000183498		39400.9	-0.05					
41115	ENSG00000225212		39467.7	-0.05					
41157	ENSG00000268927		39514	-0.05					
41215	ENSG00000113331		39565.2	-0.05					
41267	ENSG00000205331	HIST1H2BO	39634.8	-0.05		6	27861203	27861699	histone cluster 1, H2bo
41285	ENSG00000208188		39670.7	-0.05					
41325	ENSG00000208721		39706.7	-0.05					
41348	ENSG00000208721	HIST1H3A	39738.8	-0.05		6	28271146	28271612	histone cluster 1, H3g
41388	ENSG000002081409		39836.9	-0.05					
41457	ENSG000002087918		39873.7	-0.05					
41843	ENSG00000246048		40033.3	-0.05					
41575	ENSG00000242162		39863.8	-0.05					
41605	ENSG00000251603		40007.5	-0.05					
41610	ENSG00000236611		40033.3	-0.05					
41663	ENSG00000287473		40068.5	-0.05					
42007	ENSG00000202049		40475.3	-0.05					
42022	ENSG00000202049		40475.3	-0.05					
42115	ENSG00000238334		40582.8	-0.05		5	68417651	68417754	Small nuclear RNA U13
42119	ENSG00000232864		40585.5	-0.05					
42122	ENSG00000268667		40587	-0.05					
42195	ENSG000002027500		40584.6	-0.05					
42303	ENSG00000208018		40790.3	-0.05					
42352	ENSG00000233735		40833	-0.05		3	14868066	14868035	LOC548601 protein, Uncharacterized protein
42366	ENSG00000272434		40852	-0.05					
42430	ENSG00000208442		40825.8	-0.05					
42548	ENSG00000254618		41062.3	-0.05					
42832	ENSG00000171282	BAMC1C	41150.1	-0.05		17	79373540	79433357	BAM and coiled coil domain-containing protein 1
42710	ENSG00000240300		41253.9	-0.05					
41388	ENSG00000202709	SERTADA1	39759.9	-0.05	antisense	1	210404801	210407392	SERTADA1 antisense RNA 1
42050	ENSG00000259555	ARHGAP5-AS1	40525.2	-0.06	antisense	14	32544625	32545999	ARHGAP5 antisense RNA 1 (head to head)
42141	ENSG00000227372	TP73-AS1	40608.5	-0.06	antisense	1	3652548	3653900	TP73 antisense RNA 1
42162	ENSG00000226618	PITPNA-AS1	41022.5	-0.06	antisense	7	1442025	1421390	PITPNA antisense RNA 1
42544	ENSG00000245496		41091.5	-0.06	antisense	3	50521727	50522336	WNT4 antisense RNA 1
42812	ENSG00000248008	DYNLL1-AS1	41132.5	-0.06	antisense	12	120928131	120933743	DYNLL1 antisense RNA 1
42845	ENSG00000232596	SNHG15	39182.5	-0.06	lincRNA	7	45022622	45026060	small nuclear RNA host gene 15 (non-protein coding)
41552	ENSG00000201710	NCBP2-AS2	39939.7	-0.06	lincRNA	3	19669484	19670411	NCBP2 antisense RNA 2 (head to head)
41844	ENSG00000186594	MIR22HG	40047.4	-0.06	lincRNA	17	16148055	1620488	MIR22 host gene (non-protein coding)
41671	ENSG00000186770	ZNF567-AS1	40075.4	-0.06	lincRNA	19	9999919	91012035	ZNF567 antisense RNA 1 (head to head)
41884	ENSG00000201766	MIR510HG	40075.4	-0.06	lincRNA	19	9999919	91012035	MIR510 host gene (non-protein coding)
42108	ENSG00000214548	MEG3	40579.2	-0.06	lincRNA	14	101245747	101327888	maternally expressed 3 (non-protein coding)
42468	ENSG00000227788		40868.8	-0.06	lincRNA	21	46715200	46717289	long intergenic non-protein coding RNA 205
43003	ENSG00000223746	MIR503HG	41027.6	-0.06	lincRNA	1	139717807	139800141	MIR503 host gene (non-protein coding)
41988	ENSG00000189503	MIR324	40466.7	-0.06	miRNA	17	7126816	7126988	miR324
29737	ENSG00000198918		28121.5	-0.06	processed_pseudogene	21	20220097	20230304	peptidylglyoxyl isomerase A (lysophosphin A) pseudogene 22
30444	ENSG00000241741		30226.5	-0.06	processed_pseudogene	4	11372099	113716034	ribosomal protein L7a pseudogene 30
32191	ENSG00000226415		30379.4	-0.06	processed_pseudogene	1	77165474	77166223	triosephosphate isomerase 1 pseudogene 1
33095	ENSG00000211991	ANXA2P2	32156.2	-0.06	processed_pseudogene	9	33624223	33625532	annexin A2 pseudogene 2
34206	ENSG00000230207		32542	-0.06	processed_pseudogene	9	7471043	74716301	ribosomal protein L3 pseudogene 5
34413	ENSG00000253570		32592.2	-0.06	processed_pseudogene	8	38488179	38488719	ring finger protein 5, E3 ubiquitin-protein ligase pseudogene 1
35285	ENSG00000235236		33408.9	-0.06	processed_pseudogene	X	47372001	47372882	nuclear undecaprenyl pyrophosphate synthase 1 homolog 10 (C. cerevisiae) pseudogene 1
36296	ENSG00000137441		34046	-0.06	processed_pseudogene	3	36048433	36048433	EV01 pseudogene 2 pseudogene 2
36957	ENSG00000213430		35482.3	-0.06	processed_pseudogene	5	21848224	21848421	heat shock 60kDa protein 1 (chaperonin) pseudogene 1
37394	ENSG00000126892		35840.9	-0.06	processed_pseudogene	2	171698221	171699562	eukaryotic translation initiation factor 2, subunit 2 beta pseudogene 4
39000	ENSG00000259651		36163.4	-0.06	processed_pseudogene	14	63789495	63789798	heterogeneous nuclear ribonucleoprotein L1 pseudogene 1
38127	ENSG00000105588		36280.8	-0.06	processed_pseudogene	10	63976089	63976550	NHP2 ribonucleoprotein pseudogene 1
38523	ENSG00000213884		36700.3	-0.06	processed_pseudogene	X	75562240	75562444	lactate dehydrogenase B pseudogene 2
38979	ENSG00000254244		37191.8	-0.06	processed_pseudogene	8	4644854	4644810	phosphoribosylaminoimidazole carboxamide phosphoribosyltransferase pseudogene 4
39002	ENSG00000228797		37218.3	-0.06	processed_pseudogene	13	19271143	19271647	family with sequence similarity 207, member B, pseudogene
39722	ENSG00000232764		37382.3	-0.06	processed_pseudogene	4	97824201	97824201	cytochrome c oxidase subunit VIIa polypeptide 2 (beta) pseudogene 2
40049	ENSG00000248926		38223.7	-0.06	processed_pseudogene	5	159377500	159378055	cytidine dehydrogenase pseudogene 40
40081	ENSG00000232447		38365.7	-0.06	processed_pseudogene	2	85004383	85005347	lactate dehydrogenase A pseudogene 7
40168	ENSG00000213574		38466.3	-0.06	processed_pseudogene	10	120692186	120692186	lactate dehydrogenase A pseudogene 9
40916	ENSG00000178302		38608	-0.06	processed_pseudogene	17	27530441		

33206	ENSG00000117176	LDBH	31359.2	-0.06	protein_coding	12	2178276	21910741	lactate dehydrogenase B
33261	ENSG00000105523	ERH	31379.3	-0.06	protein_coding	14	6964634	6964634	enhancer of rudimentary homology (Drosophila)
33300	ENSG00001033363	TCE2D	31443.4	-0.06	protein_coding	16	2821415	2821298	transcription elongation factor B (SII), polypeptide 2 (18kDa, elongin B)
33362	ENSG00001074338	PDLIM1	31499.6	-0.06	protein_coding	10	96997329	97050781	POZ and LIM domain 1
33588	ENSG00001363938	ANCLB	31780.3	-0.06	protein_coding	9	100745643	100778225	acidic (leucine-rich) nuclear phosphoglycoprotein 32 family, member B
33651	ENSG00000096324	ELAVL1	31839.5	-0.06	protein_coding	1	4383359	4383359	ELAV-like 1, X-1Pase
33884	ENSG00001982526	UBL5	31846.2	-0.06	protein_coding	19	9538556	9540791	ubiquitin-like 5
33888	ENSG00000068116	PSMB1	31853.6	-0.06	protein_coding	6	179842205	179828429	proteasome (prosome, macropain) subunit, beta type, 1
33816	ENSG00001989464	RP58	31958.2	-0.06	protein_coding	9	127630159	127624390	ribosomal protein L35
33829	ENSG00001173962	APH1A	31988.1	-0.06	protein_coding	1	150237804	150241980	APH1A gamma secretase subunit
33884	ENSG00001986976	EFPA2	32019.6	-0.06	protein_coding	3	189550951	189550959	eukaryotic translation initiation factor 4A2
33881	ENSG00000031483	ALDH3B1	32099.4	-0.06	protein_coding	1	16861953	168661100	aldehyde dehydrogenase 3 family, member A1
34055	ENSG00001878633	ATP5F1	32229.6	-0.06	protein_coding	17	73034586	730432080	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d
34142	ENSG0000111639	MPLP1	32314	-0.06	protein_coding	12	6801150	6803700	mitochondrial ribosomal protein L51
34194	ENSG00001071569	RSL1C1	32322.2	-0.06	protein_coding	16	11929266	11929642	ribosomal L1 domain containing 1
34453	ENSG00001380209	HADHB	32633.2	-0.06	protein_coding	2	28466038	28513336	hydroxyacyl-CoA dehydrogenase 3-ketacyl-CoA thioesterase/CoA hydratase (bifunctional protein), beta subunit
34524	ENSG0000187460	TPM4	32704.9	-0.06	protein_coding	19	16177831	16213813	tropomyosin 4
34548	ENSG00001168871	MARP7D1	32724.4	-0.06	protein_coding	1	36621180	36646450	MARP domain containing 1
34554	ENSG0000009307	CDERT	32731.9	-0.06	protein_coding	1	11529534	115301297	cold shock domain containing E1, RNA-binding
34568	ENSG00001037528	YAPL1	32733.7	-0.06	protein_coding	10	2729383	27293136	YAP1-like 1, X-1Pase
34625	ENSG00000084207	GSTP1	32748.7	-0.06	protein_coding	11	67351066	67354131	glutathione S-transferase pi 1
34627	ENSG00001541723	ATP13	32800.1	-0.06	protein_coding	21	2708815	27107984	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6
34653	ENSG00001011837	MARPE1	32827.9	-0.06	protein_coding	20	31447099	31439211	microtubule-associated protein, RP/EK5 family, member 1
34708	ENSG00001151228	SF3B14	32871.7	-0.06	protein_coding	2	24295414	24299313	Pre-mRNA branch site protein p14
34825	ENSG0000187052	NUDT21	32962.2	-0.06	protein_coding	16	86463345	86468111	nudix (nucleoside diphosphate linked moiety X)-type motif 21
34903	ENSG0000007698	BAK	33035.7	-0.06	protein_coding	19	49489072	49489555	BCL-2-associated X protein
34906	ENSG0000133883	COX16	33057.2	-0.06	protein_coding	14	70791798	70826448	COX16 cytochrome c oxidase assembly homolog (S. cerevisiae)
34998	ENSG0000192195	RPS16	33089.6	-0.06	protein_coding	19	39923847	39926288	ribosomal protein S16
35005	ENSG0000146441	AP3D1	33130.8	-0.06	protein_coding	18	63817301	63816431	malate dehydrogenase 1, MAD (locable)
35069	ENSG0000111728	CMAS	33169.2	-0.06	protein_coding	12	22189108	22189108	cytidine monophosphate N-acetyltransferase family class A, cytidine
35088	ENSG0000085518	NDFPA4	33227.9	-0.06	protein_coding	3	120315166	120321347	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa
35203	ENSG0000105653	ANKRD13	33249.5	-0.06	protein_coding	13	13413868	13413868	ankyrase protein domain containing subunit 13
35433	ENSG00001007520	TSR3	33545.6	-0.06	protein_coding	16	11399241	1401912	TSR3, 20S RNA accumulation, homolog (S. cerevisiae)
35615	ENSG00002004308	RNF5	33725	-0.06	protein_coding	6	32143131	32151800	ring finger protein 5, E3 ubiquitin protein ligase
35618	ENSG00001022551	PPP2R3	33757	-0.06	protein_coding	12	3501337	3501337	adenosine phosphatase 1
35666	ENSG0000143420	ENSA	33975.1	-0.06	protein_coding	1	150573327	150602088	endostatin alpha
35669	ENSG0000138328	RP24	33976.6	-0.06	protein_coding	10	7973518	79816570	ribosomal protein S24
35617	ENSG0000106516	CCND3	34025.8	-0.06	protein_coding	2	18732690	18732690	2nd zinc finger C2H2-type containing 15
35935	ENSG0000185986	LAMP1	34049.5	-0.06	protein_coding	13	113951567	113957887	lysosomal-associated membrane protein 1
36035	ENSG00001919198	ATP5F1	34156.5	-0.06	protein_coding	17	48970127	48973233	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C1 (subunit 9)
36038	ENSG0000101489	SRRA	34228.8	-0.06	protein_coding	1	12249769	12249769	steroid 5alpha-reductase
36102	ENSG0000180979	SSRA	34228.8	-0.06	protein_coding	X	153309971	153309960	signal sequence receptor, delta
36106	ENSG00000092201	SUP11H	34231.1	-0.06	protein_coding	14	21819831	21824245	suppressor of Ty 16 homolog (S. cerevisiae)
36173	ENSG0000006286	NDFPE2	34286.6	-0.06	protein_coding	7	140305077	140305076	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 9kDa
36173	ENSG0000111481	COF2	34286.6	-0.06	protein_coding	12	54654968	54755455	cofactor protein complex, subunit alpha 1
36239	ENSG0000104131	EP3	34358.5	-0.06	protein_coding	15	44829255	44855227	eukaryotic translation initiation factor 3, subunit J
36261	ENSG0000198622	CBR1	34407.9	-0.06	protein_coding	21	51422239	51424444	carbamoyl reductase 1
36291	ENSG0000192194	SRF1	34502.5	-0.06	protein_coding	1	112705673	112715688	long interspersed non-protein coding RNA 998
36428	ENSG0000168957	HNT1	34535.8	-0.06	protein_coding	5	13044720	130507428	histidine triad nucleotide binding protein 1
36449	ENSG0000141534	SA12	34542.6	-0.06	protein_coding	17	2705652	7831194	spERM-like domain N-acetyltransferase family member 2
36464	ENSG0000101547	SRF2	34715.5	-0.06	protein_coding	16	74719167	74731652	serine/threonine-rich scaffolding factor 2
36675	ENSG0000136450	SRP1	34775.7	-0.06	protein_coding	7	56060721	56064707	serine/threonine-rich scaffolding factor 1
36680	ENSG0000139300	MPLP4	34788.4	-0.06	protein_coding	2	22482121	22482121	mitochondrial ribosomal protein L44
36681	ENSG0000189831	ADAMTS1	34789.4	-0.06	protein_coding	16	68917547	68917547	adhesin phosphatase/antigenase 1
36768	ENSG0000138801	PAPSS1	34869.4	-0.06	protein_coding	4	108511433	108418106	3-phosphoadenosine 5-phosphosulfate synthase 1
36766	ENSG0000182385	MAGCH	34879.6	-0.06	protein_coding	1	5304282	5304282	mega-nashi homolog, proliferation-associated (Drosophila)
36819	ENSG00000032696	TMP2	34925.4	-0.06	protein_coding	1	7884959	7884959	TMP metalloproteinase inhibitor 1
36845	ENSG0000158709	AFM1	34960.8	-0.06	protein_coding	X	125263337	125299861	apoptosis-inducing factor, mitochondrion-associated, 1
36928	ENSG0000146885	TAF11	34954.3	-0.06	protein_coding	6	48398073	48430304	transcription factor IIB associated factor 11
36986	ENSG0000102483	MPLP2	35127.8	-0.06	protein_coding	8	1317768	1317768	mitochondrial ribosomal protein L20
37059	ENSG0000158411	C1orf2	35183.8	-0.06	protein_coding	14	104378625	104384066	chromosome 14 open reading frame 2
37240	ENSG00000064995	TAF11	35156.6	-0.06	protein_coding	6	34845555	34855886	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa
37290	ENSG0000105533	ALRG	35215.1	-0.06	protein_coding	11	11026183	11026183	enhancer of zeste 2 homolog (Drosophila)
37319	ENSG0000121579	NA450	35438.5	-0.06	protein_coding	3	113435307	113445147	Nalpa/alpha-acetyltransferase 50, NaIc catalytic subunit
37366	ENSG0000171566	PLRG1	35477.6	-0.06	protein_coding	4	15546158	155471587	pleiotropic regulator 1
37376	ENSG0000105215	ALRG	35477.6	-0.06	protein_coding	2	21801703	21801703	5-aminomidazole-4-carboxamide nucleoside formyltransferase/IMP cyclidohydrolase
37443	ENSG0000173418	NA20	35562.3	-0.06	protein_coding	20	19997760	20014299	Nalpa/alpha-acetyltransferase 20, NaIIc catalytic subunit
37472	ENSG0000170275	CHTAP	35567.8	-0.06	protein_coding	3	33158471	33189205	cartilage associated protein
37480	ENSG0000105215	ALRG	35567.8	-0.06	protein_coding	2	21801703	21801703	5-aminomidazole-4-carboxamide nucleoside formyltransferase/IMP cyclidohydrolase
37517	ENSG0000105215	MAGT1	35642.4	-0.06	protein_coding	X	77081801	77081801	magnesium transporter 1
37531	ENSG0000187770	OTUB1	35684.6	-0.06	protein_coding	11	63753325	63789283	OTU domain, ubiquitin aldehyde binding 1
37544	ENSG0000101758	TAF10A	35722.6	-0.06	protein_coding	8	7733844	7733844	transcription factor IA
37580	ENSG00001014125	RNF7	35722.6	-0.06	protein_coding	3	141457048	141465402	ring finger protein 7
37586	ENSG00000064726	BTBD1	35727	-0.06	protein_coding	15	83685174	83781968	BTB (POZ) domain containing 1
37594	ENSG0000102762	RPL20	35759.2	-0.06	protein_coding	7	31788009	31788009	glycyl-tRNA synthetase domain containing, family B (leucine) member 2
37912	ENSG00000253626	EPFAL1	36059.1	-0.06	protein_coding	10	81272357	81278188	eukaryotic translation initiation factor 5A-like 1
37938	ENSG0000148880	COMM7	36063.7	-0.06	protein_coding	20	91290493	91331803	COMM domain containing 7
37945	ENSG00000098281	COG2	36089.3	-0.06	protein_coding	9	3302987	3302987	DnaJ (Hsp40) homolog, auxiliary A, member 1
38002	ENSG0000133818	RNR52	36163.9	-0.06	protein_coding	11	14289472	14306552	related RAS viral (r-ras) oncogene homolog 2
38014	ENSG0000111231	GRN3	36175.3	-0.06	protein_coding	12	110892089	110897673	GNP class GTPase 3
38058	ENSG0000101529	AGL1	36175.3	-0.06	protein_coding	11	1078113	1078113	anti-tubulin associated protein 1
38081	ENSG0000174173	TRMT10C	36235.3	-0.06	protein_coding	3	10120706	101285390	tRNA methyltransferase 10 homolog C (S. cerevisiae)
38103	ENSG00000222267	FIL1	36256.4	-0.06	protein_coding	X	135229559	135293518	four and a half LIM domains 1
38128	ENSG00000089737	CDK9	36281	-0.06	protein_coding	14	8651296	86475807	CDK9 (Cdk7/Cdk9) cyclin dependent kinase 9
38131	ENSG0000175213	C11orf8	36281.8	-0.06	protein_coding	14	6564720	6564720	chromosome 11 open reading frame 8
38225	ENSG0000187468	GPX4	36389.3	-0.06	protein_coding	19	1103936	11067877	glutathione peroxidase 4
38227	ENSG0000115584	MPLP19	36391	-0.06	protein_coding	2	19073909	7801767	mitochondrial ribosomal protein L19
38420	ENSG00001004776	HSP68	36612.8	-0.06	protein_coding	19	63245689	63249890	heat shock protein, alpha-crystallin-related, B8
38426	ENSG0000127884	ECR1	36650.1	-0.06	protein_coding	10	15015986	15017189	erythrocyte cytoskeleton, short chain, 1, mitochondrial
38434	ENSG0000102261	NRAS	36650.1	-0.06	protein_coding	11	115261890	115261890	neuroblastoma Ras oncogene homolog
38450	ENSG0000071826	DAPAP1	36640.3	-0.06	protein_coding	19	1407586	14057519	DNA associated protein 1
38482	ENSG0000128277	IFPA	36672.7	-0.06	protein_coding	20	3188941	3204516	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)
38486	ENSG0000184196	NDFAP2	36672.7	-0.06	protein_coding	10	6024965	6024965	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 2

39554	ENSG00000196991	ENG	37796	3	-0.06	protein_coding	9	13057291	130617035	endoglin
39558	ENSG0000013338	ALKBH3	37820	3	-0.06	protein_coding	3	5223483	5223483	aminolevulinic acid synthase 1
39564	ENSG00000189178	DUSL1	37823	3	-0.06	protein_coding	17	80015332	80023763	dihydropyridine synthase 1-like (S. cerevisiae)
39566	ENSG00000177106	EP3B2	37830	2	-0.06	protein_coding	11	684438	727727	EP3B2-like 2
39568	ENSG00000198672	CDC38	37853	2	-0.06	protein_coding	2	23793995	23809189	COPII signalosome subunit 8
39563	ENSG00000121361	KCNJ8	37939	3	-0.06	protein_coding	12	21917619	21917619	potassium inwardly-rectifying channel, subfamily J, member 8
39565	ENSG00000171033	PKA	37888	3	-0.06	protein_coding	8	79428374	7957502	protein kinase (cAMP-dependent, catalytic) inhibitor alpha
39562	ENSG00000142510	TNGL1	37898	9	-0.06	protein_coding	1	5040216	5053268	tubulininteracting reptin-like domain 1
39568	ENSG00000193466	TUBRC2P	37930	3	-0.06	protein_coding	10	13093185	13326841	tubulin gamma complex associated protein 2
39568	ENSG00000135521	LTVI	37941	4	-0.06	protein_coding	6	144184481	144184481	LTVI homolog (S. cerevisiae)
39562	ENSG00000068294	GPW02	37955	9	-0.06	protein_coding	A	48910334	4898151	G patch domain and KOW motif
3974	ENSG00000135521	RNF126	37989	5	-0.06	protein_coding	19	843267	843267	ring finger protein 126
39735	ENSG00000176043	REX2D	37982	3	-0.06	protein_coding	11	114310108	114321001	RNA exonuclease 2
39742	ENSG00000135223	SPC25	37989	3	-0.06	protein_coding	2	19898042	19916981	SPC25, NDC80 kinetochore complex component
39776	ENSG00000195728	DPR1	38038	8	-0.06	protein_coding	17	7999492	7999492	diaphanin1-like domain
39777	ENSG00000179816	KIF22	38040	7	-0.06	protein_coding	16	29802049	29816706	kinest family member 22
39790	ENSG00000175963	UBE2C	38054	5	-0.06	protein_coding	20	44441216	44445398	ubiquitin-conjugating enzyme E2C
39798	ENSG00000192777	KOIC2S	38092	8	-0.06	protein_coding	16	2732476	2739031	potassium channel heteromultimer domain containing 5
39829	ENSG00000177700	POLR2L	38087	8	-0.06	protein_coding	11	837356	842545	polymerase (RNA II, DNA directed) polypeptide L, 7.6kDa
39831	ENSG00000174099	MRR33	38090	4	-0.06	protein_coding	12	65072423	65082204	methylornithine sulfide reductase E3
39844	ENSG00000131077	TENC1	38105	1	-0.06	protein_coding	12	54437053	53581556	tensin like C1 domain containing phosphatase domain 2
39848	ENSG00000115286	NDUF57	38110	2	-0.06	protein_coding	19	1393526	1393585	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)
39862	ENSG00000130748	TMEM160	38132	2	-0.06	protein_coding	19	47549165	47551888	transmembrane protein 160
39868	ENSG00000192796	SCPS1	38138	1	-0.06	protein_coding	8	10018860	10027993	SECIS homology (S. cerevisiae)
39906	ENSG00000185850	IRS2	38174	5	-0.06	protein_coding	13	110461815	110438915	insulin receptor substrate 2
39911	ENSG00000157870	FAM123B	38178	2	-0.06	protein_coding	1	2517930	2522598	family with sequence similarity 213, member B
39929	ENSG00000195479	REER4	38198	1	-0.06	protein_coding	8	21989533	21989654	receptor accessory protein 4
39946	ENSG00000165011	ASF1B	38209	3	-0.06	protein_coding	19	1423021	14247768	anti-silencing factor 1B histone chaperone
39971	ENSG00000187778	MCRS1	38243	8	-0.06	protein_coding	12	49953027	49961398	microcephalie protein 1
39989	ENSG00000195463	FAM84B	38248	12	-0.06	protein_coding	34	384485	384485	family with sequence similarity 50, member B
39995	ENSG00000180155	LYNX1	38258	4	-0.06	protein_coding	8	14384572	14385640	LynX domain 1
39999	ENSG00000148411	SH2QA	38270	8	-0.06	protein_coding	8	19171128	19253729	SH2 domain containing 4A
40000	ENSG00000131782	HYAL2	38280	2	-0.06	protein_coding	12	298812	298812	RAD51, HAX1 interacting nuclear cohesin 1
40045	ENSG00000172239	PAP1	38320	2	-0.06	protein_coding	5	4352309	4355780	poly(A) binding protein interacting protein 1
40108	ENSG00000185609	KLHC8CB	38391	5	-0.06	protein_coding	3	49200044	4921397	kelch domain containing 8B
40126	ENSG00000140582	CHCHD12	38402	2	-0.06	protein_coding	22	8623344	8623344	coiled-coil helix-coiled-coil helix domain containing 10
40126	ENSG00000115306	SPTBN1	38423	6	-0.06	protein_coding	2	54883422	54886612	tetraspin, beta, non-erythrocytic 1
40128	ENSG00000192971	COL18A1	38428	21	-0.06	protein_coding	21	4682526	4682526	collagen, type XVIII, alpha 1
40144	ENSG00000180901	HYAL2	38440	2	-0.06	protein_coding	3	5035921	5035921	hyaluronoglucosaminidase 2
40152	ENSG00000119582	IFT52	38456	5	-0.06	protein_coding	20	42219871	42275938	intraflagellar transport 52 homolog (Chlamydomonas)
40153	ENSG00000180510	NDP51	38463	1	-0.06	protein_coding	19	1852169	1852169	NADH dehydrogenase (ubiquinone) alpha subcomplex, 13
40170	ENSG00000138138	ATAD1	38470	1	-0.06	protein_coding	10	8951129	8991100	ATPase family AAA domain containing 1
40172	ENSG00000107872	FBNL15	38472	1	-0.06	protein_coding	10	10417846	10418293	F-box and leucine-rich repeat protein 15
40174	ENSG00000114228	ZNF41	38476	3	-0.06	protein_coding	16	8614826	8616686	zinc finger protein 581
40204	ENSG00000131811	MYCF	38481	1	-0.06	protein_coding	18	8606816	8629074	myofibrin
40208	ENSG00000131133	HMT2	38508	7	-0.06	protein_coding	9	35812957	35813013	histidine triad nucleotide binding domain 2
40212	ENSG00000115815	SECCAN	38512	7	-0.06	protein_coding	5	13394479	13405213	SEC24 family member A
40215	ENSG00000190813	PPP1R35	38514	1	-0.06	protein_coding	1	100032905	100034198	inorganic pyrophosphatase regulatory subunit 35
40217	ENSG00000149586	PH2	38516	8	-0.06	protein_coding	20	42740335	42816218	ubiquitin 2
40223	ENSG00000175210	ALLBL2	38520	6	-0.06	protein_coding	5	14852106	148640105	actin binding LIM protein family member 3
40227	ENSG00000162733	MANKB	38520	6	-0.06	protein_coding	8	27681915	27681915	magnesium-dependent protein kinase kinase 6
40228	ENSG00000162576	MXRAB	38525	6	-0.06	protein_coding	1	1288609	12891757	matrix-remodelling associated 8
40233	ENSG00000189222	MAF3	38535	1	-0.06	protein_coding	17	38951889	39012518	v-maf avian myeloblastosis oncogene homolog F
40251	ENSG00000140413	PGCF1L	38549	8	-0.06	protein_coding	12	17433942	17501389	glial-derived growth factor receptor-like 1
40255	ENSG00000144749	LRG1	38550	8	-0.06	protein_coding	3	16429221	16651187	leucine-rich and immunoglobulin-like domains 1
40263	ENSG00000117322	DDAH2	38557	7	-0.06	protein_coding	6	3198488	31988384	dimethylarginine dimethylaminohydrolase 2
40270	ENSG00000136269	AP3L	38559	8	-0.06	protein_coding	6	12782469	12784909	actin related protein 2/3 complex, subunit E3
40273	ENSG00000091164	TNXLN	38567	7	-0.06	protein_coding	18	54264439	54318331	titinectin-like 1
40275	ENSG00000138783	NIPSNAP3A	38568	7	-0.06	protein_coding	9	10750969	107522403	ripisap homolog 3A (C. elegans)
40286	ENSG00000192976	NDP51	38570	1	-0.06	protein_coding	19	1852169	1852169	protein tyrosine phosphatase (protein product of catalytic arginine), member b
40285	ENSG00000134243	SORT1	38583	6	-0.06	protein_coding	1	10982192	10984073	sortin 1
40297	ENSG00000128288	URCD	38585	7	-0.06	protein_coding	1	4547719	45481247	urocyprinogen decarboxylase
40298	ENSG00000145628	NOL14	38589	3	-0.06	protein_coding	1	12901263	12901263	RNA pseudouridine synthase domain containing 4
40300	ENSG00000135668	MPHOSPH6	38586	7	-0.06	protein_coding	16	82181403	82203831	M-phase phosphoprotein 6
40329	ENSG00000170770	CSMR2C	38620	1	-0.06	protein_coding	16	38191811	38211824	casein kinase 2, alpha prime polypeptide
40338	ENSG00000124909	CPST1	38624	1	-0.06	protein_coding	16	231118047	231118047	ARV1 homolog 1 (S. cerevisiae)
40339	ENSG00000129354	AP1M2	38628	4	-0.06	protein_coding	19	1068347	10687991	adaptor-related protein complex 1, mu 2 subunit
40357	ENSG00000119977	TCN3	38647	9	-0.06	protein_coding	10	97423158	97453300	reticulon family member 3
40373	ENSG00000190752	TRAF3	38648	2	-0.06	protein_coding	17	385348	385348	funnel chaperone synthase
40380	ENSG00000145404	SKP2	38658	4	-0.06	protein_coding	5	38152091	38184421	S-phase kinase-associated protein 2, E3 ubiquitin protein ligase
40390	ENSG00000187397	VKORC1	38678	5	-0.06	protein_coding	16	31102163	31107401	vitamin K-epoxide reductase complex, subunit 1
40394	ENSG00000184928	NOL14	38680	3	-0.06	protein_coding	1	11920480	11920480	cell surface antigen
40394	ENSG00000158919	BLCAP	38680	2	-0.06	protein_coding	20	38120874	38156333	bladder cancer associated protein
40398	ENSG00000119487	MARPKA1	38684	7	-0.06	protein_coding	9	12819872	12848983	magnesium-activated protein kinase associated protein 1
40402	ENSG00000195893	SCOR1A	38688	3	-0.06	protein_coding	13	2240818	2240818	scotin and SVL domain containing 3
40430	ENSG00000158947	DMD	38722	7	-0.06	protein_coding	8	31115754	31357558	dystrophin
40447	ENSG00000089195	TRMT6	38736	2	-0.06	protein_coding	20	5917881	5931182	RNA methyltransferase domain containing 3 (S. cerevisiae)
40451	ENSG00000185681	TRMT6	38736	2	-0.06	protein_coding	16	288816	288816	23kDa-like kinase 1
40482	ENSG00000106133	PCOLCE	38773	7	-0.06	protein_coding	7	10019990	10020598	procollagen C-proteinase enhancer 1
40488	ENSG00000114440	PRDRN3	38781	9	-0.06	protein_coding	3	7341584	73874991	PDZ domain containing zinc finger 3
40492	ENSG00000154141	TRAF3	38781	9	-0.06	protein_coding	10	21623099	21623099	TRAF3 domain 1
40496	ENSG00000198932	SELM	38792	5	-0.06	protein_coding	22	31505798	31516055	Seleleporin M
40500	ENSG00000186352	ANKRD37	38796	1	-0.06	protein_coding	4	18631775	186321782	ankyrin repeat domain 37
40500	ENSG00000135778	SH3A	38796	2	-0.06	protein_coding	5	218396	256815	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)
40500	ENSG00000149217	NTN4	38820	4	-0.06	protein_coding	12	86051583	86134530	netrin 4
40501	ENSG00000124815	MCCS1	38832	2	-0.06	protein_coding	6	38987354	39009230	midbody domain cohesin synthase 1
40503	ENSG00000186959	TGM2	38852	3	-0.06	protein_coding	20	36758993	36794980	transglutaminase 2
40503	ENSG00000193922	SMS	38852	3	-0.06	protein_coding	2	21938991	22056198	serine protease
40503	ENSG00000496933	PHF23	38863	1	-0.06	protein_coding	17	7193847	7193847	PHF domain protein 23
40502	ENSG00000186888	TPS31	38864	2	-0.06	protein_coding	12	21964893	21967198	phosphatidylinositol-3-phosphate 4-kinase, type II, gamma
40502	ENSG00000191529	TPS31	38864	2	-0.06	protein_coding	12	24320303	24320303	tumor suppressor p53-inducible protein 3

Accession	Gene	Start	End	Strand	Feature	Gene	Start	End	Strand	Feature
40964	ENSG0000015289	PCGF1	39313	-0.06	protein_coding	2	7427370	7427370	-0.06	polycomb group ring finger 1
40971	ENSG0000015997	DNFBP	39319	-0.06	protein_coding	2	2202344	2202344	-0.06	zinc finger antiviral protein 2
40975	ENSG00000150717	NDFUS8	39324	-0.06	protein_coding	11	67718004	67904111	-0.06	NADH dehydrogenase (ubiquinone) F1-6 protein, beta subunit (NADH-coenzyme Q reductase)
40981	ENSG00000179313	REXO1	39331	-0.06	protein_coding	19	1815248	1848482	-0.06	REX1, RNA exosome 1 homolog (S. cerevisiae)
40982	ENSG000001006163	WDR32	39333	-0.06	protein_coding	22	118472343	118509145	-0.06	WD repeat domain 3
40984	ENSG00000171268	FAM109B	39336	-0.06	protein_coding	22	42412045	42412045	-0.06	family with sequence similarity 155, member B
40985	ENSG00000130222	GAD4D4G	39337	-0.06	protein_coding	9	92211928	92221470	-0.06	growth arrest and DNA-damage-inducible, gamma
40992	ENSG00000195298	TSPAN7	39344	-0.06	protein_coding	A	8462923	8549169	-0.06	tetraspanin 7
40996	ENSG00000197863	RAB40C	39354	-0.06	protein_coding	16	438237	438237	-0.06	RAB40C, member RAS oncogene family
41003	ENSG00000195950	RAD18	39359	-0.06	protein_coding	3	8877086	9005457	-0.06	RAD18 homolog (S. cerevisiae)
41005	ENSG00000195519	TFPI	39360	-0.06	protein_coding	19	5481030	5481965	-0.06	TGF-beta1 (beta) transcription partner (in childhood Leukemia)
41018	ENSG00000128757	CERNK3	39362	-0.06	protein_coding	11	10583656	10583656	-0.06	SCC1 cytoskeletal chaperone assembly protein
41044	ENSG00000124785	NRN1	39400	-0.06	protein_coding	6	599622	6001200	-0.06	neurturin 1
41048	ENSG00000153517	HOMER1	39407	-0.06	protein_coding	3	13621264	13621264	-0.06	histone deacetylase 11
41054	ENSG00000051128	HOMER3	39413	-0.06	protein_coding	19	1904010	19052070	-0.06	homolog 3 (Drosophila)
41057	ENSG00000156603	MED19	39420	-0.06	protein_coding	11	57411196	57417693	-0.06	mediator complex subunit 19
41062	ENSG00000150204	NFKB1	39423	-0.06	protein_coding	16	1595297	1601571	-0.06	NF-kappaB1, nuclear factor kappa-B subunit 1
41063	ENSG00000138162	TACC2	39424	-0.06	protein_coding	10	123748669	124014060	-0.06	transforming, acyl-coiled-coil containing protein 2
41065	ENSG00000122796	CALD1	39437	-0.06	protein_coding	7	134429203	134455479	-0.06	caldesmon 1
41067	ENSG00000102693	CTSBP5	39438	-0.06	protein_coding	15	74207411	74207411	-0.06	chromosome 15 open reading frame 59
41068	ENSG00000107685	EIF2B3	39438	-0.06	protein_coding	1	4531650	45452282	-0.06	eukaryotic translation initiation factor 2B, subunit 3, gamma, 58kDa
41069	ENSG00000204217	BMP2R2	39439	-0.06	protein_coding	2	203241659	203242274	-0.06	bone morphogenetic protein receptor, type II (serine/threonine kinase)
41071	ENSG00000143262	ANKK2	39443	-0.06	protein_coding	4	113239265	113240498	-0.06	domain 2, neuronal
41103	ENSG00000198841	KT112	39454	-0.06	protein_coding	1	5249775	5249848	-0.06	KT112 homolog, chromatin associated (S. cerevisiae)
41105	ENSG00000129203	FBXW11	39455	-0.06	protein_coding	5	17128853	17143387	-0.06	F-box and WD repeat domain containing 11
41112	ENSG00000195337	MMPK	39465	-0.06	protein_coding	7	1521950	1526709	-0.06	small inducible chitinase/serine protease/serine protease oncogene homolog X
41113	ENSG00000178182	MVPOP	39468	-0.06	protein_coding	19	46383278	46405862	-0.06	Myb-related transcription factor, partner of profilin
41114	ENSG00000178889	PKNOX1	39467	-0.06	protein_coding	16	15068448	15233196	-0.06	pyridoxal-dependent decarboxylase domain containing 1
41116	ENSG00000100871	PCP2	39467	-0.06	protein_coding	16	8040468	8040468	-0.06	cytoskeleton-associated protein 81
41130	ENSG00000137103	TMEM8B	39483	-0.06	protein_coding	9	35814448	35854444	-0.06	transmembrane protein 8B
41131	ENSG00000191888	SPC24	39483	-0.06	protein_coding	19	11242196	11268484	-0.06	SPC24, NDC80 kinetochore complex component
41133	ENSG00000150523	NCO1	39522	-0.06	protein_coding	4	1662116	1662116	-0.06	mediator complex component 1
41138	ENSG00000150506	HOCX2	39498	-0.06	protein_coding	19	12873817	12935534	-0.06	hook microtubule-anchoring protein 2
41144	ENSG00000113083	LIT1	39501	-0.06	protein_coding	5	12138880	121413880	-0.06	lysoyl oxidase
41145	ENSG00000150537	ANKK1	39501	-0.06	protein_coding	4	278227	278227	-0.06	domain 2, neuronal
41151	ENSG00000142963	RHOT2	39508	-0.06	protein_coding	16	718086	724174	-0.06	Ras homolog family member 2
41162	ENSG00000191374	CBX8	39519	-0.06	protein_coding	22	39251455	39268319	-0.06	chromobox homolog 8
41163	ENSG00000150484	TMEM160A	39520	-0.06	protein_coding	8	13268308	13268308	-0.06	transmembrane protein 160A
41167	ENSG00000196925	TSPAN12	39524	-0.06	protein_coding	7	120427378	120498456	-0.06	tetraspanin 12
41175	ENSG00000204277	C17orf89	39528	-0.06	protein_coding	17	79213039	79215981	-0.06	chromosome 17 open reading frame 89
41181	ENSG00000150529	NCO2	39532	-0.06	protein_coding	12	1885214	1885214	-0.06	Drosophila syndrome critical region gene 6
41183	ENSG00000242114	MTPP1	39545	-0.06	protein_coding	22	30821518	30825045	-0.06	mitochondrial fission process 1
41188	ENSG00000135503	ACVR1B	39550	-0.06	protein_coding	12	52345451	52369862	-0.06	activin A receptor, type IB
41189	ENSG00000195041	MIR681	39550	-0.06	protein_coding	16	4962599	4962599	-0.06	calcium regulated heat stable protein 1, 24kDa
41190	ENSG00000123739	PLSG12A	39550	-0.06	protein_coding	4	11053145	11053145	-0.06	11053145, alpha group A, KIAA
41207	ENSG00000198549	NID5RF2	39573	-0.06	protein_coding	15	40623563	40643168	-0.06	chromosome 15 open reading frame 52
41208	ENSG00000148880	NDPK1A1	39575	-0.06	protein_coding	19	5891287	5904370	-0.06	NADH dehydrogenase (ubiquinone) 1, alpha subcomplex, 11, 14.7kDa
41216	ENSG00000191042	PCP2	39576	-0.06	protein_coding	16	8040468	8040468	-0.06	cytoskeleton-associated protein 81
41217	ENSG00000170819	COMMD8	39585	-0.06	protein_coding	8	146064227	146079121	-0.06	COX20 domain containing 5
41222	ENSG00000151790	BCAP29	39589	-0.06	protein_coding	7	10220422	10220915	-0.06	B-cell receptor-associated protein 29
41224	ENSG00000164981	PCO1A	39590	-0.06	protein_coding	8	52192629	52198706	-0.06	centriole protein A
41234	ENSG00000117308	GALE	39605	-0.06	protein_coding	1	2412289	24127271	-0.06	UDP-galactase-4-epimerase
41235	ENSG00000173546	CSPG4	39609	-0.06	protein_coding	15	73996603	74055199	-0.06	chondroitin sulfate proteoglycan 4
41245	ENSG00000192919	CTSC17	39617	-0.06	protein_coding	11	102648124	102648124	-0.06	transcript elongation factor A (SII)-like 7
41248	ENSG00000148918	NCAP2	39619	-0.06	protein_coding	7	158424003	158487520	-0.06	non-SMC condensin II complex, subunit G2
41253	ENSG00000193824	CDS1	39621	-0.06	protein_coding	4	8554132	85552491	-0.06	COP-delta/cytoplasmic synthase (phosphatidate cytidylyltransferase) 1
41256	ENSG00000195298	NCO1	39522	-0.06	protein_coding	11	112811987	112811987	-0.06	mediator complex component 1
41268	ENSG00000158883	ZNF89	39634	-0.06	protein_coding	16	3361379	3363533	-0.06	zinc finger protein 889
41269	ENSG00000111789	COL12A1	39635	-0.06	protein_coding	8	71974402	71975167	-0.06	collagen, type XII, alpha 1
41271	ENSG00000142727	KIF18B	39635	-0.06	protein_coding	6	47028	47028	-0.06	KN motif anion repeat domains 1
41280	ENSG00000188490	TMD2	39644	-0.06	protein_coding	8	38848327	38848343	-0.06	TM2 domain containing 2
41288	ENSG00000195916	CBX5	39659	-0.06	protein_coding	12	54624724	54627386	-0.06	chromobox homolog 5
41290	ENSG00000152964	FAM188A	39659	-0.06	protein_coding	12	6912614	6912614	-0.06	family with sequence similarity 155, member A
41299	ENSG00000189171	S100A13	39677	-0.06	protein_coding	1	153591263	153606568	-0.06	S100 calcium binding domain protein A13
41314	ENSG00000172992	DCAK1	39697	-0.06	protein_coding	17	43107098	43138473	-0.06	dephospho-CoA kinase domain containing 1
41316	ENSG00000150533	PCP2	39698	-0.06	protein_coding	16	8040468	8040468	-0.06	cytoskeleton-associated protein 81
41321	ENSG00000194976	SNAPC2	39704	-0.06	protein_coding	19	7985201	7988135	-0.06	small nuclear RNA activating complex, polypeptide 2, 45kDa
41322	ENSG00000170485	NPA52	39704	-0.06	protein_coding	2	101436614	101413291	-0.06	neuronal PAS domain protein 2
41324	ENSG00000151433	RHOA2	39707	-0.06	protein_coding	19	3944519	3944519	-0.06	rho GTPase protein 27
41337	ENSG00000112183	RBM24	39720	-0.06	protein_coding	6	1728157	17294106	-0.06	RNA binding motif protein 24
41338	ENSG00000197191	GPCR5B	39723	-0.06	protein_coding	16	18698816	18697489	-0.06	G protein-coupled receptor, family C, group 5, member B
41341	ENSG00000195786	TSC2	39725	-0.06	protein_coding	16	7524856	7524856	-0.06	seckwith syndrome protein
41358	ENSG00000103197	TSC2	39755	-0.06	protein_coding	16	207486	21387	-0.06	tuberous sclerosis 2
41359	ENSG00000189868	SPRED1	39759	-0.06	protein_coding	15	38544527	38548450	-0.06	secretory-related, EVH1 domain containing 1
41362	ENSG00000197298	SPRED2	39759	-0.06	protein_coding	15	4208188	4208188	-0.06	fat storage-inducible transmembrane protein 2
41370	ENSG00000135047	CTSL	39762	-0.06	protein_coding	9	9034034	9034034	-0.06	cathepsin L
41371	ENSG00000197549	COR66	39764	-0.06	protein_coding	17	2794174	2794925	-0.06	coronin 6
41378	ENSG00000145573	MIR681	39774	-0.06	protein_coding	16	4446313	4446313	-0.06	MIR52 magnesium transporter
41382	ENSG00000182987	ACBD3	39778	-0.06	protein_coding	1	226332380	226374331	-0.06	acyl-CoA binding domain containing 3
41386	ENSG00000197720	THSD4	39783	-0.06	protein_coding	15	71386291	72075722	-0.06	thrombospondin, type I, domain containing 4
41390	ENSG00000152971	RYR2	39788	-0.06	protein_coding	14	11181918	11181918	-0.06	ryanodine receptor 2, cardiac
41393	ENSG00000198101	CXCR6B	39792	-0.06	protein_coding	X	11872112	118699397	-0.06	chemokine CXCR6, open reading frame 56
41397	ENSG00000204262	COL5A2	39796	-0.06	protein_coding	2	118986622	119004405	-0.06	collagen, type V, alpha 2
41398	ENSG00000103245	NANP	39796	-0.06	protein_coding	16	7791753	7911328	-0.06	neuronal protein A recognition factor-like
41408	ENSG00000205974	RYR2N	39809	-0.06	protein_coding	8	24847962	24849484	-0.06	NFYB domain and neuronal intracellular calcium
41414	ENSG00000127855	GNAH1	39817	-0.06	protein_coding	7	7973271	79848718	-0.06	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1
41416	ENSG00000196954	TMR2	39818	-0.06	protein_coding	6	15407348	15406274	-0.06	transiently expressed protein 2
41419	ENSG00000153118	NTSE	39819	-0.06	protein_coding	6	86118990	86025009	-0.06	P-ribosomal protein euk (C573)
4142										

41763	ENSG00000135052	GLM1	40717.8	-0.06	protein_coding	9	88841061	88715088	golgi membrane protein 1
41764	ENSG00000135018	ZNF690	40717.8	-0.06	protein_coding	19	85172405	85172405	chr12c long protein 500
41768	ENSG00000189635	HIC2	40175.2	-0.06	protein_coding	22	21771693	21905752	hypermethylated in cancer 2
41768	ENSG00000090565	RAB11FIP3	40175.2	-0.06	protein_coding	16	4756119	573011	RAB11 family interacting protein 3 (class II)
41768	ENSG00000205360	TRNP	40183.3	-0.06	protein_coding	1	27320198	27327369	TMF-regulated nuclear protein 1
41772	ENSG00000159203	RCN1	40190.1	-0.06	protein_coding	21	26885440	35987441	regulator of calcineurin 1
41773	ENSG00000185532	PRK2A	40192.8	-0.06	protein_coding	10	52750485	54058110	protein kinase, cAMP-dependent, type 1
41773	ENSG00000185568	HSPA7A	40199.1	-0.06	protein_coding	10	18403703	18620265	heat shock 70kDa protein 7A
41774	ENSG00000186153	LMCT	40200.5	-0.06	protein_coding	13	76843650	76843650	LDL domain 7
41787	ENSG00000054448	WR528	40208	-0.06	protein_coding	2	7486885	74862882	WD repeat domain 54
41791	ENSG00000152220	PFRK2	40213.5	-0.06	protein_coding	6	53207019	33681678	protein subunit 6
41799	ENSG00000153921	SLC22A7	40220.3	-0.06	protein_coding	8	48682659	48682659	solute carrier family 25, member 27
41801	ENSG00000240984	PMMA2	40221.2	-0.06	protein_coding	8	26362202	26371608	paramyxovirus M antigen 2
41806	ENSG00000089582	AKR1B1	40226	-0.06	protein_coding	7	134121702	134144306	aldo-keto reductase family 1, member B1 (aldoase reductase)
41807	ENSG00000090783	FOPD2	40226.5	-0.06	protein_coding	4	1790689	1810599	fibroblast growth factor receptor 3
41813	ENSG00000219438	FAM19A5	40232.9	-0.06	protein_coding	22	4888272	48246724	family with sequence similarity 19 (chemokine (C-C motif) like), member A5
41815	ENSG00000086489	PRR11	40235.3	-0.06	protein_coding	17	57232860	57262066	protein rich 11
41820	ENSG00000159878	APFL	40239.6	-0.06	protein_coding	9	313917863	133988539	allograft inflammatory factor 1-like
41821	ENSG00000175745	NRP2	40239.6	-0.06	protein_coding	5	92918043	92920321	nuclear receptor subfamily 2, group F, member 1
41824	ENSG00000199472	CPE	40246.9	-0.06	protein_coding	4	186262346	166419472	carboxypeptidase E
41830	ENSG00000155290	PCIT1	40250.8	-0.06	protein_coding	8	31266707	120369310	Knoepfel-like factor 10
41841	ENSG00000171914	TLL2	40259.6	-0.06	protein_coding	15	62682725	63136830	tailin 2
41845	ENSG00000174211	PRPF8	40263.7	-0.06	protein_coding	17	1553923	1588178	pre-mRNA processing factor 8
41854	ENSG00000165832	TBU1	40272.2	-0.06	protein_coding	10	116697659	116732030	TubB pseudonuclear (gel) synthase family member 1
41856	ENSG00000153707	PTPRD	40275.6	-0.06	protein_coding	9	8314246	10612723	protein tyrosine phosphatase, receptor type, D
41857	ENSG0000051341	PLOL	40277.6	-0.06	protein_coding	3	12150278	12128455	polymerase (DNA directed), theta
41863	ENSG00000184545	DIRX1	40281.6	-0.06	protein_coding	11	1575274	1581109	dual specificity phosphatase 8
41869	ENSG00000072954	TMEM38A	40287.8	-0.06	protein_coding	19	16771938	16800840	transmembrane protein 38A
41877	ENSG00000189601	KCTD2	40296.9	-0.06	protein_coding	17	27038670	73691894	potassium channel tetramerization domain containing 2
41882	ENSG00000189622	CHST2	40298.9	-0.06	protein_coding	18	81424	81424	chondroitin 1 open reading frame 2
41886	ENSG00000135801	TAF1L	40310.2	-0.06	protein_coding	1	22972859	229761794	TAFS-like RNA polymerase II, p300/CBP-associated factor (PCAF-associated factor) 65kDa
41890	ENSG00000202156	HIF2C	40318.6	-0.06	protein_coding	6	122720991	122754284	heat shock transcription factor 2
41898	ENSG00000185578	CHD2	40320.3	-0.06	protein_coding	14	18443287	18443288	chromatin 1 open reading frame 2
41899	ENSG00000141934	PPAP2C	40327.7	-0.06	protein_coding	19	291040	291393	phosphatidic acid phosphatase type 2C
41902	ENSG00000197957	DNER	40328.8	-0.06	protein_coding	2	23022345	230479274	delta/alpha-like GGF repeat containing
41903	ENSG00000189591	YFAP1	40329.7	-0.06	protein_coding	3	238147665	238190774	yeast acin myosin-binding-like oncogene homolog
41915	ENSG00000152102	FAM168B	40334.7	-0.06	protein_coding	2	13180549	131851033	family with sequence similarity 168, member B
41917	ENSG00000137221	TAF11	40334.6	-0.06	protein_coding	6	43442521	43474294	tight junction-associated protein 1 (peripherin)
41918	ENSG00000189589	KANSL3	40337.7	-0.06	protein_coding	14	7758258	7758258	KLCC-interacting protein
41925	ENSG00000084688	ETV1	40362	-0.06	protein_coding	7	13930853	14031056	ETS variant 1
41931	ENSG00000079102	RUXNT1	40375.1	-0.06	protein_coding	8	92987203	93115514	nurt-related interacting protein 1 (peripherin)
41932	ENSG00000189428	MYO19	40375.8	-0.06	protein_coding	8	272240	4135671	MLNAT Cdk-activating kinase assembly factor 1
41935	ENSG00000100321	SYNGR1	40377.1	-0.06	protein_coding	22	3974930	39791593	synaptogyrin 1
41941	ENSG00000139324	TMTCS3	40387.9	-0.06	protein_coding	12	8853673	8859364	transmembrane and tetraallophosphate repeat containing 3
41942	ENSG00000189583	MORF8	40388.3	-0.06	protein_coding	15	16909109	16909109	microtubule-associated protein 1A
41946	ENSG00000189583	TADA1	40392.3	-0.06	protein_coding	11	16885217	16885494	transcriptional adaptor 1
41958	ENSG00000138228	CGREF1	40410.7	-0.06	protein_coding	2	27312757	27341995	cell growth regulator with EF-hand domain 1
41961	ENSG00000142698	C12orf16	40418.6	-0.06	protein_coding	1	36119476	36185073	chromosome 1 open reading frame 216
41962	ENSG00000194330	SPR4	40420.3	-0.06	protein_coding	8	41113481	41120116	secreted frizzled-related protein 2
41963	ENSG00000163900	TMEM41A	40424.3	-0.06	protein_coding	3	185184284	185216845	transmembrane protein 41A
41968	ENSG00000182437	RAVE1B	40428.7	-0.06	protein_coding	12	65210778	65269915	transcriptional activator 1
41967	ENSG00000196912	RBMS12	40429.7	-0.06	protein_coding	1	56918715	56918715	RNA binding motif (single stranded) interacting protein 2
41970	ENSG00000196449	YDC	40432.6	-0.06	protein_coding	1	36268816	36273857	yeast Ndc105/yeast/transferrin domain containing
41972	ENSG00000127508	SLC35E1	40433.6	-0.06	protein_coding	19	16660442	16681193	solute carrier family 35, member E1
41986	ENSG00000152160	YFAP3	40439.1	-0.06	protein_coding	3	33091194	33111017	cleavage stimulation factor 3 pre-RNA, subunit 3, 77kDa
41984	ENSG00000122891	TWIST1	40446	-0.06	protein_coding	7	19000614	19137259	twist family bHLH transcription factor 1
41985	ENSG00000124440	YFAP3A	40448.5	-0.06	protein_coding	19	48860303	48846880	hypoxia inducible factor 3, alpha subunit
41989	ENSG00000189589	TMEM30A	40450.9	-0.06	protein_coding	19	48562971	48563019	transmembrane protein 30A
41986	ENSG00000049130	KITLG	40461.8	-0.06	protein_coding	12	8888570	88974828	KIT ligand
42005	ENSG00000140991	ARMDC5	40467.3	-0.06	protein_coding	16	31464901	31474887	armadillo repeat containing 5
42006	ENSG00000189589	CHST2	40467.3	-0.06	protein_coding	16	544921	6886257	chondroitin 1 open reading frame 37
42008	ENSG00000151900	THR1	40470.6	-0.06	protein_coding	3	24158651	2436773	thyroid hormone receptor, beta
42015	ENSG00000172998	GXYL2	40475.5	-0.06	protein_coding	3	72937224	73047289	glucosyl xylotransferase 2
42020	ENSG00000164948	NHR7	40484.6	-0.06	protein_coding	8	8154265	8154265	zinc finger protein 704
42030	ENSG00000205060	SLC35B4	40502.4	-0.06	protein_coding	7	133974084	134001803	solute carrier family 35 (UDP-N-acetylglucosamine transporter), member B4
42031	ENSG00000129952	FOP3	40508.8	-0.06	protein_coding	8	137713725	138104939	fibroblast growth factor 13
42033	ENSG00000154773	CDK20	40510.3	-0.06	protein_coding	18	3306077	3306077	formin homologous 2 domain containing 3
42034	ENSG00000184838	PRR16	40513.7	-0.06	protein_coding	5	11979973	12002327	protein rich 16
42039	ENSG00000174871	CNH2	40519.3	-0.06	protein_coding	11	60045861	60057272	comichon family AMPA receptor auxiliary protein 2
42041	ENSG00000189589	LYX8	40521.6	-0.06	protein_coding	1	14371489	14371489	lymphocyte antigen complex, locus 8
42042	ENSG00000174747	CCDC181	40519.8	-0.06	protein_coding	1	16934108	169429007	coiled-coil domain containing 181
42044	ENSG00000118855	DCRELB	40520.3	-0.06	protein_coding	1	11444783	11445208	DNA cross-link repair 1B
42041	ENSG00000189589	CCDC181	40521.6	-0.06	protein_coding	2	2416523	2416523	kinase binding protein 1A
42048	ENSG00000154734	ADAMT31	40523.7	-0.06	protein_coding	21	2920905	29217728	ADAM metalloproteinase with thrombospondin type 1 motif 1
42057	ENSG00000139887	TMTCT1	40531.9	-0.06	protein_coding	12	2985373	29837692	transmembrane and tetraallophosphate repeat containing 1
42059	ENSG00000176730	SPIN2	40531.9	-0.06	protein_coding	12	807188	807188	serpin/thrombospondin associated 2-like
42060	ENSG00000139857	DPYSL3	40532.5	-0.06	protein_coding	5	146770374	14688919	glyoxylate oxidase-like 3
42063	ENSG00000084115	TMSF3	40533.6	-0.06	protein_coding	12	2718128	2718767	transmembrane 7 superfamily member 3
42070	ENSG00000189589	MYO19	40533.6	-0.06	protein_coding	10	1338018	1338018	myosin class I, syntrophin 1
42075	ENSG00000139926	FMDM2	40540.6	-0.06	protein_coding	14	51958118	52197445	FERM domain containing 6
42076	ENSG00000205090	TMEM240	40540.8	-0.06	protein_coding	1	14710554	1475833	transmembrane protein 240
42081	ENSG00000197947	TRAF7	40541.4	-0.06	protein_coding	12	4208511	4208511	transmembrane protein 101
42089	ENSG00000249115	HAUS5	40551.4	-0.06	protein_coding	19	36103646	36116251	HAUS augmin-like complex, subunit 5
42090	ENSG00000152782	PANK1	40552.3	-0.06	protein_coding	10	91342745	91405215	panthothenate kinase 1
42095	ENSG00000144488	HLER	40557	-0.06	protein_coding	2	23914908	23914908	hes family bHLH transcription factor 5
42097	ENSG00000154531	PCFC	40559.4	-0.06	protein_coding	2	23914908	131892546	proteasome growth factor 5
42106	ENSG00000168872	FAM84B	40577.7	-0.06	protein_coding	8	127544687	127570438	family with sequence similarity 84, member B
42111	ENSG00000176551	CIFN1	40579.3	-0.06	protein_coding	19	796077	7981051	coretin 1
42116	ENSG00000089151	R4EAP1	40581.6	-0.06	protein_coding	1	88441116	88626266	receptor-associated protein 1
42123	ENSG00000168830	RND2	40587.5	-0.06	protein_coding	17	4117258	41184667	Rho GTPase 2
42130	ENSG00000040777	RHRGAP3	40597	-0.06	protein_coding	19	9609524	9629124	Rho GTPase activating protein 3B
42136	ENSG00000189589	KLHL12	40609.6	-0.06	protein_coding	19	27932653	27932653	kelch-like family member 42
42145	ENSG00000144120	TMEM177	40611.4	-0.06	protein_coding	2	120436743	120444983	transmembrane protein 177
42148	ENSG00000119925	CSRP2	40613.4	-0.06	protein_coding	12	51454990	51474447	cysteine-serine-rich nuclear protein 2
42150	ENSG00000143330	RFBP1	40613.4	-0.06	protein_coding	16	162673548	162673548	regulator of G-protein signalling 17
42159	ENSG000002024315	FIRBP1	40630.8	-0.06	protein_coding	6	32098484	32098488	FSK5 binding protein like
42160	ENSG00000239857	GET4	40631.6	-0.06	protein_coding	7	911819	938073	golgi to ER traffic protein 4 homolog (S. cerevisiae)
42166	ENSG00000186356	LYX8	40632.6	-0.06	protein_coding	6	7962056	7962056	hepatocyte growth factor-regulated protein kinase substrate
42164	ENSG00000186603	HPDL	40637.2	-0.06	protein_coding	1	45792545	45794347	4-hydroxyisovalerylvuivate diacylglycerate-like
42167	ENSG00000202129	NCDN	40642.8	-0.06	protein_coding	1	36023074	36023275	neuromodulin
42168	ENSG00000204566	FAM21C	40645.6	-0.06	protein_coding	1	11994109	11994109	family with sequence similarity 216, member A
42170	ENSG00000170464	DNAC18	40645.8	-0.06	protein_coding	5	138744279	138780180	DnaJ (Hsp40) homolog, subfamily C, member 18
42173	ENSG00000141639	MARPK4	40647.2	-0.06	protein_coding	18	48064448	48258194	mitogen-activated protein kinase 4
42184	ENSG00000189589	HGF	40653.6	-0.06	protein_coding	16	543244	543244	hepatocyte growth factor
42187	ENSG00000174778	HRAS	40658.6						

Accession	Gene	Start	End	Strand	Score	Score	Score	Score	Description
42391	ENSG00000151176	PLBD2	40885	-0.06	protein_coding	12	11376371	11382703	phospholipase B domain containing 2
42392	ENSG00000151177	KLIF2	40885	-0.06	protein_coding	2	20126618	20126618	kinesin family member 3C
42394	ENSG00000113360	DROSHA	40886	-0.06	protein_coding	5	31420064	31523303	drosophila ribonuclease type III
42397	ENSG00000236038	SNAPC1	40888	-0.06	protein_coding	14	62229075	62263146	small nuclear RNA activating complex, polypeptide 1, 43kDa
42398	ENSG00000128191	DCCR8	40891	-0.06	protein_coding	22	20047795	20099400	DCCR8 microprocessor complex subunit
42402	ENSG00000151172	LYPLX2	40892	-0.06	protein_coding	5	15019459	15039462	1,5-bisphosphatase domain containing 5
42403	ENSG00000100473	COCH	40895	-0.06	protein_coding	14	31343720	31344271	cochlin
42404	ENSG00000106443	CYTH2	40897	-0.06	protein_coding	19	48972289	48985571	cythosin 2
42408	ENSG00000102685	RHBL1	40897	-0.06	protein_coding	19	729268	729268	rhomboid, ventricle 1 (Drosophila)
42410	ENSG00000107758	CAMTA1	40900	-0.06	protein_coding	1	6846384	7692786	calmodulin binding transcription activator 1
42411	ENSG00000105952	FCGA2	40901	-0.06	protein_coding	9	20858304	20858304	facioscapular humeral dysplasia
42414	ENSG00000151924	AKAP2	40902	-0.06	protein_coding	5	11292492	11292492	AKAP2 domain containing 5
42417	ENSG00000405531	CTNS	40903	-0.06	protein_coding	17	3587672	3587672	cystinosis, lysosomal cysteine transporter
42418	ENSG00000118274	WRNS2	40910	-0.06	protein_coding	1	11957389	11988324	tryptophanyl RNA synthetase 2, mitochondrial
42419	ENSG00000102425	PTPM1	40910	-0.06	protein_coding	6	84211966	84204904	protein tyrosine phosphatase type IV, member 1
42445	ENSG00000145911	NAB39	40939	-0.06	protein_coding	5	17754044	17755308	NEDD4 binding protein 3
42448	ENSG00000111119	NRTN	40941	-0.06	protein_coding	19	5823813	5823835	neurturin
42449	ENSG00000104644	CHST19	40942	-0.06	protein_coding	6	5969714	5972413	epidermal growth factor receptor
42460	ENSG00000115504	EHP1	40945	-0.06	protein_coding	2	6290096	6327362	EH domain binding protein 1
42461	ENSG00000114948	ADAM23	40952	-0.06	protein_coding	2	20730623	20748551	ADAM metalloproteinase domain 23
42462	ENSG00000102523	LONRF2	40952	-0.06	protein_coding	1	10088753	10087195	LON peptidase N-terminal domain and ring finger 2
42463	ENSG00000108795	ZNF521	40956	-0.06	protein_coding	18	22841890	22842154	zinc finger protein 521
42464	ENSG00000110987	BCL7A	40959	-0.06	protein_coding	12	122457328	122499948	B-cell CLL/lymphoma 7A
42469	ENSG000001044278	GALNT3	40966	-0.06	protein_coding	2	154728426	155310361	UDP-N-acetyl-alpha-D-galactosamine polypeptide N-acetylgalactosaminyltransferase 13 (GalNAc-T13)
42470	ENSG00000131437	KIF3A	40988	-0.06	protein_coding	5	132028320	132073530	kinesin family member 3A
42471	ENSG00000100909	HCK29	40992	-0.06	protein_coding	12	54349879	54397121	homocysteine C9
42473	ENSG00000135093	UBP30	40970	-0.06	protein_coding	10	10948084	10952831	ubiquitin specific peptidase 30
42475	ENSG00000100418	DESI1	40973	-0.06	protein_coding	22	41994032	42017100	desumoylating peptidase 1
42476	ENSG00000104929	WRN33	40973	-0.06	protein_coding	17	788228	788228	WD repeat-containing, antisense to TP53
42482	ENSG00000104114	MAPS	40982	-0.06	protein_coding	4	15628310	15628312	microtubule-associated protein 5
42483	ENSG00000101004	NINL	40982	-0.06	protein_coding	20	2543334	2546615	ninein-like
42491	ENSG00000102288	C22orf60	40983	-0.06	protein_coding	21	4723285	4723285	chromosome 22 open reading frame 58
42492	ENSG00000108575	NF2	40991	-0.06	protein_coding	22	29995645	30094587	neurofibromin 2 (merlin)
42493	ENSG000000081760	ACACS	40993	-0.06	protein_coding	12	12554955	12564273	acetyl-CoA synthetase
42501	ENSG00000102149	CHOC2	41003	-0.06	protein_coding	14	314818	314818	cholesterol oxidase
42507	ENSG00000187240	DYNC2H1	41012	-0.06	protein_coding	11	102980160	103350591	dynein, cytoplasmic 2, heavy chain 1
42511	ENSG00000109559	LRRIC14	41014	-0.06	protein_coding	8	145743376	145750557	leucine rich repeat containing 14
42512	ENSG00000101901	ZNF108	41016	-0.06	protein_coding	10	8025110	8025110	zinc finger, C2H2-type containing 108
42518	ENSG00000153978	HSS13T3	41022	-0.06	protein_coding	17	11399006	11399524	heparan sulfate glycosaminoglycan 3-O-sulfotransferase 3A1
42520	ENSG00000101218	C17orf80	41022	-0.06	protein_coding	17	71228372	71245091	chromosome 17 open reading frame 80
42524	ENSG00000101193	TRIS2	41028	-0.06	protein_coding	20	5289120	5289120	trisomy 21
42532	ENSG00000189925	BRD3	41046	-0.06	protein_coding	9	136895427	136938537	brandomin containing 3
42538	ENSG000001027452	FBX12	41053	-0.06	protein_coding	19	952943	9538482	F-box and leucine-rich repeat protein 12
42542	ENSG000001041472	DIAB1	41059	-0.06	protein_coding	20	3262449	3272410	EGF transcription factor
42545	ENSG00000105442	FAM74B	41059	-0.06	protein_coding	6	8119073	8119073	family with sequence similarity 174, member B
42551	ENSG00000173264	GRF13	41067	-0.06	protein_coding	11	64037534	64059972	G-protein-coupled receptor 137
42553	ENSG00000103599	SNR39	41069	-0.06	protein_coding	5	13264265	13264265	SMAD family member 6
42554	ENSG00000102917	FOXJ1	41070	-0.06	protein_coding	19	10416101	10416101	forkhead box J1-like
42556	ENSG00000151893	ASAP2	41074	-0.06	protein_coding	2	8346694	8545112	ARFAP with SH3 domain, arkyrin repeat and PH domain 2
42558	ENSG00000108447	GAS1	41076	-0.06	protein_coding	9	8955270	8962130	G-protein arrest peptide 1
42559	ENSG0000015175	PRIME	41076	-0.06	protein_coding	17	6483328	6701924	protein phosphatase 1A regulatory subunit 2, dependent, 10E
42562	ENSG00000102041	SLCG15A	41081	-0.06	protein_coding	12	85253462	85257304	solute carrier family 15 (neutral amino acid transporter), member 15
42566	ENSG00000102498	ILTD1	41081	-0.06	protein_coding	13	21216296	21219737	interleukin 17D
42570	ENSG00000101429	WNT8A	41081	-0.06	protein_coding	17	5449174	5502973	wntless-type WNT1 interaction site family, member 5A
42575	ENSG00000106761	CTH	41088	-0.06	protein_coding	1	7097850	7098553	cystathionase (cystathionase gamma-lyase)
42584	ENSG00000135097	MSH1	41098	-0.06	protein_coding	12	120779133	120800983	mutator RNA-binding protein 1
42588	ENSG00000102681	TRAF3	41102	-0.06	protein_coding	12	274256	274256	TRAF3 domain containing 2
42589	ENSG00000103832	RPAP1	41102	-0.06	protein_coding	15	41809374	41809374	RNA polymerase II associated protein 1
42591	ENSG00000151640	DPSL4	41104	-0.06	protein_coding	10	13400404	134019380	polysialyltransferase-like 4
42596	ENSG00000105288	C10orf1	41104	-0.06	protein_coding	20	52821437	52821437	chromosome 10 open reading frame 51
42599	ENSG00000103042	SLC38A7	41111	-0.06	protein_coding	16	5889013	5891908	solute carrier family 38, member 7
42603	ENSG00000108528	PARG1	41123	-0.06	protein_coding	16	29872265	2991349	PARG1 associated glutamate-rich protein 1
42606	ENSG00000103590	GLI3	41123	-0.06	protein_coding	16	11500114	11500114	glioma associated protein 3
42610	ENSG00000135454	BGALNT1	41130	-0.06	protein_coding	12	58071193	58071198	beta-1.4-N-acetylglucosaminyl transferase 1
42614	ENSG00000104923	LTRP1	41133	-0.06	protein_coding	2	53112039	53204576	latent transforming growth factor beta binding protein 1
42615	ENSG00000104448	TRX1L	41133	-0.06	protein_coding	2	1862111	1862111	tripeptide motif domain 1-like
42621	ENSG00000178802	MPI	41138	-0.06	protein_coding	15	75182346	75191798	mannose phosphate isomerase
42626	ENSG00000181284	TMEM38	41146	-0.06	protein_coding	11	12016538	120204391	transmembrane protein 138
42633	ENSG00000101895	PLAG1	41150	-0.06	protein_coding	9	14428137	14438575	pleomorphic adenoma gene-like 1
42636	ENSG00000178096	BOLA1	41153	-0.06	protein_coding	1	14895440	148972351	bola family member 1
42644	ENSG00000104066	INTU	41169	-0.06	protein_coding	4	12854428	12867892	inward planar cell polarity protein
42648	ENSG00000102988	TRAF2	41172	-0.06	protein_coding	12	5401458	5401458	ubiquitin N1IT signaling pathway inhibitor 1
42656	ENSG00000101255	TRB3	41187	-0.06	protein_coding	20	367281	379203	ribless pseudokines 5
42657	ENSG00000181967	EAF3	41187	-0.06	protein_coding	16	2273667	2298743	EAF transcription factor 1
42661	ENSG00000102528	GANK3	41188	-0.06	protein_coding	27	287858	287858	gamma-aminobutyric acid (GABA) A receptor, beta 3
42673	ENSG00000131149	GSE1	41217	-0.06	protein_coding	16	86545015	86579810	Gse1 coiled coil protein
42674	ENSG00000139880	CDH24	41214	-0.06	protein_coding	14	23516271	23528747	cadherin 24, type 2
42676	ENSG00000102588	CHD4	41218	-0.06	protein_coding	19	36246154	36246154	chromatin 19 open reading frame 55
42678	ENSG00000104909	PRSS12	41219	-0.06	protein_coding	4	119201193	119201193	protease, serine, 12 (neurolypsin, molipisin)
42679	ENSG00000104734	SCML1	41220	-0.06	protein_coding	4	17755588	17773105	scx comb on midline-like 1 (Drosophila)
42683	ENSG00000102296	TGFB3	41221	-0.06	protein_coding	21	4538217	4538217	transforming factor 1, TGF-beta specific, (MFG-box)
42683	ENSG00000112541	PDE10A	41225	-0.06	protein_coding	6	16574078	166400091	phosphodiesterase 10A
42690	ENSG00000110721	CHKA	41234	-0.06	protein_coding	11	67820326	67888911	choline kinase alpha
42700	ENSG00000104126	CELSR2	41242	-0.06	protein_coding	11	10976241	109818372	cadherin, EGF, LAP, seven-pass G-type receptor 2
42702	ENSG00000111644	CHD4	41243	-0.06	protein_coding	12	697241	697241	chromatin 19 open reading frame 73
42706	ENSG00000138829	FBN2	41250	-0.06	protein_coding	5	12793601	127984878	fibulin 2
42708	ENSG00000146207	URB1	41251	-0.06	protein_coding	21	33843320	33765335	URB1 ribosome biogenesis 1 homolog (S. cerevisiae)
42712	ENSG00000102676	TRAF2	41251	-0.06	protein_coding	21	116312444	116312444	TRAF2 domain containing 2
42713	ENSG00000196678	ER1	41257	-0.06	protein_coding	16	20791515	20891761	ER1 xeroradonuclease family member 2
4272	ENSG00000107594	BMP1	41256	-0.06	protein_coding	6	132129196	132129196	ectodermonecrosis-inducing phosphatidyltransferase 1
42728	ENSG00000104355	MRB2	41256	-0.06	protein_coding	9	17284968	17284968	male sex hormone 1
42732	ENSG00000133316	WRFR4	41277	-0.06	protein_coding	11	62598814	62599281	WD repeat domain 74
42739	ENSG00000102875	DUSP4	41286	-0.06	protein_coding	6	2919281	2920186	dual specificity phosphatase 4
42745	ENSG00000101198	MRB1	41286	-0.06	protein_coding	8	3711406	3735508	male sex hormone 2
42747	ENSG00000138850	PCHD10	41295	-0.06	protein_coding	4	134070470	134129356	protocadherin 10
42751	ENSG00000139886	CACHD1							

43186	ENSG00000049759	NEDDAL	41783.8	-0.06	protein_coding	18	56711599	56068772	neural precursor cell expressed, developmentally down regulated 4-like, E3 ubiquitin protein ligase
43190	ENSG00000113161	HMCR7	41787.9	-0.06	protein_coding	5	74652154	74657929	3-hydroxy-3-methylglutaryl-CoA reductase
43208	ENSG00000048866	SIT7	41808.1	-0.06	protein_coding	7	116593292	116670157	suppression of tumorigenecity 7
43209	ENSG00000189841	LUTP2	41808.3	-0.06	protein_coding	1	23410516	23504301	leucine zipper protein 1
43230	ENSG00000151710	CBX3	41810.3	-0.06	protein_coding	17	77759931	77774862	chromatin remodeler 3
43257	ENSG00000120148	MSX2	41878.8	-0.06	protein_coding	5	174181536	174187996	msx homeobox 2
43279	ENSG00000172603	TPAZ1	41912.3	-0.06	protein_coding	6	10393419	10419362	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)
43413	ENSG00000195891	HOKA3	42068.8	-0.06	protein_coding	7	27148869	27192000	homeobox A3
43456	ENSG00000123983	AGSL3	42132.4	-0.06	protein_coding	2	22372562	22380937	acyl-CoA synthetase long-chain family member 3
43013	ENSG00000224287	MSL3P1	41278.4	-0.06	transcribed_processed_pseudo_gene	2	234774083	234777090	male-specific lethal 3 homolog (Drosophila) pseudogene 1
42523	ENSG00000240024	LINC00888	41027.9	-0.06	transcribed_unprocessed_pseudo_gene	3	183165368	183173601	long intergenic non-protein coding RNA 888
38568	ENSG00000259917		35083.5	-0.06	unprocessed_pseudogene	15	34781203	34782772	heterogeneous nuclear ribonucleoprotein L pseudogene 2
42101	ENSG00000226278		40569	-0.06	unprocessed_pseudogene	7	5582459	55840891	phosphoserine phosphatase pseudogene 1
42295	ENSG00000157021		40728.6	-0.06	unprocessed_pseudogene	15	41455360	41456572	family with sequence similarity 92, member A1 pseudogene 1
39715	ENSG00000202433		2990.3	-0.06					
31712	ENSG00000216285		29888.7	-0.06					
34996	ENSG00000171130		33132.6	-0.06					
36511	ENSG00000202652		33137.6	-0.06					
36361	ENSG00000253785		34474.1	-0.06					
37331	ENSG00000153900		35450.4	-0.06					
37468	ENSG00000215726		35596.5	-0.06					
36053	ENSG00000214391		37264.3	-0.06					
38421	ENSG00000288959		37655.1	-0.06		6	13615728	13621128	Uncharacterized protein
38954	ENSG00000213447		37889.3	-0.06					
38704	ENSG00000131152		37845.5	-0.06					
38747	ENSG00000174374	WBCSCR18	37994.8	-0.06		7	74441226	74480064	Williams-Beuren syndrome chromosome region 16
40224	ENSG00000213802		38035	-0.06					
40790	ENSG00000251107		39151.1	-0.06					
40862	ENSG00000242327		39202.3	-0.06					
41028	ENSG00000216448		39382.4	-0.06					
41143	ENSG00000280302		39500.6	-0.06					
41186	ENSG00000205746		39548.6	-0.06					
41208	ENSG00000211958		39817.3	-0.06					
41251	ENSG00000235501		39819.6	-0.06					
41252	ENSG00000270504		39820.4	-0.06					
41298	ENSG00000215418		39870.8	-0.06					
41508	ENSG00000281061		39932.3	-0.06					
41558	ENSG00000259989		39960.1	-0.06					
41577	ENSG00000214208		39987.3	-0.06					
41637	ENSG00000280925		40040	-0.06					
41930	ENSG00000179234	C17orf96	40374.5	-0.06		17	38827961	38831187	chromosome 17 open reading frame 96
41897	ENSG00000286663		40465.6	-0.06					
42014	ENSG00000187383	ZNF229	40469.9	-0.06		19	44951685	44952766	zinc finger protein 229
42069	ENSG00000104725		40539	-0.06		8	24808468	24814624	neurofilament, light polypeptide
42178	ENSG00000198744		40559.0	-0.06					
42206	ENSG00000205188		40575.7	-0.06					
42245	ENSG00000272106		40718.3	-0.06					
42365	ENSG00000285574		40791.9	-0.06					
42391	ENSG00000245454		40856.4	-0.06					
42385	ENSG00000232323		40860	-0.06					
42436	ENSG00000280260		40935.5	-0.06					
42485	ENSG00000248118		40936	-0.06					
42605	ENSG00000281452		41123.4	-0.06					
42671	ENSG00000281599		41239.4	-0.06					
42743	ENSG00000212841		41288.0	-0.06					
42821	ENSG00000184886	PGW	41373.5	-0.06		17	34880847	34885189	phosphatidylinositol glycan anchor biosynthesis, class W
42871	ENSG00000281034		41428.6	-0.06					
42909	ENSG00000280959		41437.7	-0.06					
42914	ENSG00000225377		41481.1	-0.06					
42924	ENSG00000211359		41481.1	-0.06					
41900	ENSG00000232388	LINC00480	37323.4	-0.07	antisense	12	58120054	58122139	ACAP2 antisense RNA 1
40538	ENSG00000175701	LINC00116	38539.9	-0.07	lincRNA	20	18548064	18550207	long intergenic non-protein coding RNA 493
41601	ENSG00000202786		41301.9	-0.07	lincRNA	2	110999106	111002997	long intergenic non-protein coding RNA 116
43446	ENSG00000232677	LINC00685	42000.5	-0.07	lincRNA	19	36803969	36806260	small nuclear RNA host gene 18 (non-protein coding)
31247	ENSG00000213553		21470.1	-0.07	processed_pseudogene	2	38709920	38710012	long intergenic non-protein coding RNA 665
33334	ENSG00000202526		31407.0	-0.07	processed_pseudogene	1	15980387	15980685	ribosomal protein, large, P0 pseudogene 6
34089	ENSG00000202912		32259.6	-0.07	processed_pseudogene	6	20843388	20847360	glyceraldehyde-3-phosphate dehydrogenase pseudogene 1
38454	ENSG00000248425		34555.3	-0.07	processed_pseudogene	4	14839291	14840116	autarkytic transition initiation factor 4A1 pseudogene 2
41778	ENSG00000205681		36819.0	-0.07	processed_pseudogene	1	15931077	15931538	X-ray repair complementing defective repair in Chinese hamster cells 6 pseudogene 2
38532	ENSG00000214110		38715.4	-0.07	processed_pseudogene	13	48337556	48337941	coiled-coil-helix-coiled-coil-helix domain containing 2 pseudogene 6
38685	ENSG00000205682		38789.0	-0.07	processed_pseudogene	9	14921335	14922332	nucleosome assembly protein 1-like 4 pseudogene 3
38689	ENSG00000214881		38814.4	-0.07	processed_pseudogene	10	70304246	70304590	lactate dehydrogenase A pseudogene 4
39069	ENSG00000233859		37282.6	-0.07	processed_pseudogene	6	66548823	66547847	ribosomal protein L34 pseudogene 2
39080	ENSG00000211588		37487.1	-0.07	processed_pseudogene	6	66548823	66547847	transmembrane protein 14D (pseudogene)
39508	ENSG00000235587		37174.1	-0.07	processed_pseudogene	6	66548823	66547847	alcohol dehydrogenase 5 (class III), chi polypeptide, pseudogene 4
40198	ENSG00000235983		38501.8	-0.07	processed_pseudogene	6	66548823	66547847	basic transcription factor 4-like 4 pseudogene 2
40199	ENSG00000211599		38501.8	-0.07	processed_pseudogene	6	66548823	66547847	basic transcription factor 4-like 4 pseudogene 2
41987	ENSG00000241927		40451.2	-0.07	processed_pseudogene	3	14870355	14870555	glyceraldehyde-3-phosphate dehydrogenase pseudogene 65
42490	ENSG00000230216		40988.3	-0.07	processed_pseudogene	8	49000415	49000960	heat shock protein 70kDa protein 1 pseudogene 2
42600	ENSG00000230914		41112.8	-0.07	processed_pseudogene	1	10194346	10194346	heat shock protein 90kDa protein (Grp94), member 3, pseudogene
42756	ENSG00000241927		41301.9	-0.07	processed_pseudogene	5	13420120	13420120	small nuclear RNA host gene 12
43041	ENSG00000215016		41737.0	-0.07	processed_pseudogene	3	23175863	23176315	ribosomal protein L24 pseudogene 7
43104	ENSG00000241095		41865.4	-0.07	processed_pseudogene	3	62695996	62697172	cytochrome P450, family 5, subfamily A, polypeptide 1 pseudogene 1
43123	ENSG00000205448		41926.6	-0.07	processed_pseudogene	17	20843388	20847360	stearyl-CoA desaturase (delta-5-desaturase) pseudogene 1
43155	ENSG00000196756		41742.3	-0.07	processed_transcript	20	57042325	57043998	small nuclear RNA host gene 17 (non-protein coding)
43207	ENSG00000174365	SNHG11	41825.4	-0.07	processed_transcript	20	57042325	57043998	small nuclear RNA host gene 11 (non-protein coding)
41863	ENSG00000146303	RPL7A	30132.0	-0.07	protein_coding	3	13621889	13621891	ribosomal protein L7A
32848	ENSG00000165878	GHTM	30628.4	-0.07	protein_coding	10	8589189	85891901	growth hormone inducible transmembrane protein
32812	ENSG00000198803	SEC18B	30979.5	-0.07	protein_coding	6	10194346	10194346	Sec1 beta subunit
32893	ENSG00000202498	SNHG11	31029.7	-0.07	protein_coding	19	18067369	18067369	small nuclear ribonucleoprotein D2 polypeptide 18.5kDa
33061	ENSG00000108971	HSP89A	31222.9	-0.07	protein_coding	11	122828197	122833938	heat shock 70kDa protein 8
33345	ENSG00000128244	ATP7B	31477.9	-0.07	protein_coding	7	12802880	12803098	ATPase, H ⁺ transporting, vacuolar 14kDa, V1 subunit F
33388	ENSG00000105144	PKC1	31529.7	-0.07	protein_coding	6	71202665	71204793	phosphoinositide 3-kinase 1
33407	ENSG00000255302	ED1	31547.6	-0.07	protein_coding	15	49170083	49172380	EP300 interacting inhibitor of differentiation 1
33694	ENSG00000188525	BCAP31	31851.6	-0.07	protein_coding	4	15296540	15299901	B-cell receptor-associated protein 31
41447	ENSG00000171756	RPL7A	32176.6	-0.07	protein_coding	4	21718142	21718142	ribosomal protein L7A
34320	ENSG00000159377	PMBM4	32490.3	-0.07	protein_coding	1	151372010	151374200	proteasome (prosome, macropain) subunit, beta type, 4
34364	ENSG00000171223	EDF1	32543.5	-0.07	protein_coding	9	139756571	139770738	endothelial differentiation-related factor 1
34485	ENSG00000205070	S2D1	32598.5	-0.07	protein_coding	1	18621684	18621684	S2D1 RNA nuclear protein containing 1
34485	ENSG00000225921	NOL7	32671.2	-0.07	protein_coding	6	13615559	13632971	nucleolar protein 7, 27kDa
34885	ENSG00000209783	HNRNP1	33919.7	-0.07	protein_coding	19	850651	852399	heterogeneous nuclear ribonucleoprotein M
34938	ENSG00000185929	ATP5F1	33070.3	-0.07	protein_coding	10	71630922	71630922	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, gamma polypeptide 1
34963	ENSG00000148834	GSTO1	33991.7	-0.07	protein_coding	10	105985114	10602717	glutathione S-transferase omega 1
35099	ENSG00000195899	COPE	33236.9	-0.07	protein_coding	19	19010323	19030208	coatomer protein complex, subunit epsilon
35222	ENSG00000213743	SNRPD2	33440.3	-0.07	protein_coding	16	46190719	46190837	small nuclear ribonucleoprotein D2 polypeptide 18.5kDa
35370	ENSG00000115886	DARS	33479.9	-0.07	protein_coding	2	136864247		

38212	ENSG000001057	PRM2C	36566	-0.07	protein_coding	7	102984701	103009602	proteasome (prosome, macroproton) 26S subunit, ATPase_2
38218	ENSG000002283	RPA1	36720	-0.07	protein_coding	17	122070392	180397478	replication protein A1, TopA
38232	ENSG00000087302	C14orf168	36933	-0.07	protein_coding	14	52456193	52471420	chromosome 14 open reading frame 168
38234	ENSG00000031698	SARS	36473	-0.07	protein_coding	1	109795450	109797911	sevY tRNA synthetase
38284	ENSG0000011456	NDUF42	36576	-0.07	protein_coding	5	140018326	140027370	NADH dehydrogenase (ubiquinone) L1 alpha subcomplex, 2, 6kDa
38478	ENSG00000193795	NDC90	36953	-0.07	protein_coding	19	108916931	108926531	Nucleolar 90 kDa dehydrogenase
38514	ENSG00000100348	TN2	36888	-0.07	protein_coding	22	36863083	36876077	thrombospondin 2
38556	ENSG00000131165	CHMP1A	36141	-0.07	protein_coding	16	69710836	69724253	charged multivesicular body protein 1A
38726	ENSG00000199511	RCC2	36924	-0.07	protein_coding	1	17332626	173367220	regulator of chromosome condensation 2
38735	ENSG00000136518	ACTL6A	36932	-0.07	protein_coding	3	175926968	175930986	actin-like 6A
38736	ENSG00000125073	ACTR1B	36936	-0.07	protein_coding	2	36272431	36280570	ARF1 adriamycin resistant 1 homolog B, centrinin beta (yeast)
38804	ENSG00000193829	SPR18A	36926	-0.07	protein_coding	4	34911956	34912862	serine palmitoyltransferase, small subunit A
38804	ENSG00000119368	PFPR1	37010	-0.07	protein_coding	5	139824204	139826706	proteasome subunit 1
38826	ENSG00000072778	ACADVL	37032	-0.07	protein_coding	17	7120444	7120992	acyl-CoA dehydrogenase, very long chain
38831	ENSG00000181910	MFRS3	37035	-0.07	protein_coding	17	55919843	55919917	mitochondrial ribosomal protein S33
38835	ENSG00000132432	SEC61G	37039	-0.07	protein_coding	7	54819843	54827667	SecE1 gamma subunit
38852	ENSG00000100714	MTHFD1	37064	-0.07	protein_coding	14	64854749	64862722	methyltetrahydrofolate dehydrogenase (NADPH dependent) 1, methyltetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase
38925	ENSG00000122218	CGPA	37144	-0.07	protein_coding	1	160250063	160313190	coatomer protein complex, subunit alpha
38951	ENSG00000152093	ITGB1	37164	-0.07	protein_coding	10	33189247	33194720	integrin beta 1 (betaonectin receptor, beta polypeptide, antigen CD29 includes MD2F, MSK12)
38991	ENSG00000115203	RCC3	37144	-0.07	protein_coding	3	19666273	19667468	radical capping protein subunit 2, Cdk2A
39038	ENSG00000176871	WSB2	37246	-0.07	protein_coding	12	11847012	11850025	WD repeat and SOCS box containing 2
39108	ENSG00000089896	DYNLL1	37324	-0.07	protein_coding	12	12097653	12098396	dynein, light chain, LC8-type 1
39113	ENSG00000102735	PKnox1	37326	-0.07	protein_coding	1	192046602	192056138	transcriptional coactivator factor 15
39144	ENSG00000141101	NOB1	37363	-0.07	protein_coding	16	69775770	69788843	NON1/RRP12 binding protein 1 homolog (S. cerevisiae)
39145	ENSG00000134049	IKBIP1	37386	-0.07	protein_coding	19	44681413	44702745	immediate early response 3 interacting protein
39149	ENSG00000205544	TME2K5	37371	-0.07	protein_coding	17	7300284	7300746	transmembrane protein 258
39178	ENSG00000173860	UCR-RH	37402	-0.07	protein_coding	1	46789303	46782448	ubiquitin-cytochrome c reductase hinge protein
39207	ENSG00000126768	TIMM17B	37427	-0.07	protein_coding	X	48750730	48755426	translocase of inner mitochondrial membrane 17 homolog B (yeast)
39248	ENSG00000191929	RARS	37469	-0.07	protein_coding	4	4571284	45712808	arginyl-tRNA synthetase
39250	ENSG00000113543	RARS	37469	-0.07	protein_coding	5	167913450	167945304	arginyl-tRNA synthetase
39252	ENSG00000104109	MAZD1	37472	-0.07	protein_coding	4	120976763	120988229	MAD2 mitotic arrest deficient-like 1 (yeast)
39282	ENSG00000101318	UCR-R1	37517	-0.07	protein_coding	1	48434528	48434568	cytochrome c5 (c, nuclear intermembrane)
39298	ENSG00000184076	UCR-R10	37517	-0.07	protein_coding	10	30163358	30166402	ubiquitin-cytochrome c reductase, complex III subunit X
39362	ENSG00000129103	SUMF2	37548	-0.07	protein_coding	7	56131695	56148363	sulfate sulfonamide factor 2
39412	ENSG00000118322	LHFP	37582	-0.07	protein_coding	22	41868363	41870630	actin-like 6B
39426	ENSG00000183722	LHFP	37582	-0.07	protein_coding	13	39917029	40177665	Isp60a HMGCoA fusion partner 2
39465	ENSG00000148229	POLE3	37699	-0.07	protein_coding	9	116188515	116172962	polypolymerase (DNA directed), epsilon 3, accessory subunit
39492	ENSG00000191962	PHF19	37703	-0.07	protein_coding	1	19821120	19821120	snRNP loop binding protein
39621	ENSG00000100410	PHF5A	37746	-0.07	protein_coding	22	41855721	41861794	PHF finger protein 5A
39645	ENSG00000172586	CHCHD1	37875	-0.07	protein_coding	10	75541805	75543410	coiled-coil-helix-coiled-coil-helix domain containing 1
39647	ENSG00000191929	CHCHD1	37875	-0.07	protein_coding	1	12098199	12098199	zinc finger, HLF-type containing 1
39666	ENSG00000203760	CENPW	37907	-0.07	protein_coding	6	126681200	126681200	centromere protein W
39884	ENSG00000170312	CDK1	37930	-0.07	protein_coding	10	62538089	62554610	cyclin-dependent kinase 1
39884	ENSG00000045641	RFC2	37937	-0.07	protein_coding	7	78465262	78469774	replication factor C (activator 1) 2, 40kDa
39665	ENSG00000191971	JR5CD	37930	-0.07	protein_coding	16	51065810	51065810	Josephin domain containing 2
39790	ENSG00000182481	KPNA2	38052	-0.07	protein_coding	17	660311635	66042958	karyopherin alpha 2 (RAG cohort 1, importin alpha)
39811	ENSG00000126977	EIP252	38077	-0.07	protein_coding	20	36910104	36910138	eukaryotic translation initiation factor 2, subunit beta, 38kDa
39824	ENSG00000191158	EPH2	38076	-0.07	protein_coding	19	11816731	118391369	Eph receptor tyrosine kinase 2
39830	ENSG00000116688	MEN2B	38088	-0.07	protein_coding	1	12042038	12073751	menin 2
39843	ENSG00000137310	TCF19	38109	-0.07	protein_coding	8	11207623	11210131	transcription factor 19
39844	ENSG00000115738	OC13	38119	-0.07	protein_coding	6	10586204	10586204	oncogene decarboxylase 1
39846	ENSG00000104442	ARMC1	38121	-0.07	protein_coding	8	66514844	66514442	armadillo repeat containing 1
39846	ENSG00000198964	TECAL8	38123	-0.07	protein_coding	X	102976203	102976203	transcription elongation factor A (SII-like) B
39872	ENSG00000105779	TIMM17B	38127	-0.07	protein_coding	11	111981574	111981574	translocase of inner mitochondrial membrane 8 homolog B (yeast)
39818	ENSG00000134957	CENBF1	38128	-0.07	protein_coding	5	68452837	68474072	cytoskeleton-associated protein 2
39876	ENSG00000188734	PKIG	38250	-0.07	protein_coding	20	43184026	43200889	protein kinase (cAMP-dependent, catalytic) inhibitor gamma
39900	ENSG00000101871	VIMP	38250	-0.07	protein_coding	10	101811622	101811622	VCP-interacting protein 8
40017	ENSG00000158258	TSR2	38291	-0.07	protein_coding	X	54419280	54419280	TSR2, 20S RNA accumulation, homolog (S. cerevisiae)
40074	ENSG00000129911	KLIF1	38352	-0.07	protein_coding	19	1852399	18539567	Kruppel-like factor 16
40088	ENSG00000181929	C10orf16	38352	-0.07	protein_coding	1	191081192	191081192	S100 calcium binding protein A16
40105	ENSG00000130770	ATP1F1	38389	-0.07	protein_coding	1	28562620	28573417	ATPase inhibitory factor 1
40117	ENSG00000130526	DKC1	38409	-0.07	protein_coding	X	153991031	154005964	dyskerin-associated protein 1, dyskerin
40120	ENSG00000193464	ALXRF	38412	-0.07	protein_coding	17	7848462	7848462	AlxRF1 nuclear factor
40156	ENSG00000104628	NFKB1B	38458	-0.07	protein_coding	19	39390340	39390553	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
40160	ENSG00000140208	MHP23	38462	-0.07	protein_coding	11	19698508	19700762	mitochondrial ribosomal protein L23
40168	ENSG00000111369	NDC90	38462	-0.07	protein_coding	19	77718263	77718263	Nucleolar 90 kDa dehydrogenase
40171	ENSG00000118677	PINP	38471	-0.07	protein_coding	20	4668882	46682236	pinon protein
40174	ENSG00000100292	NCAPD2	38476	-0.07	protein_coding	12	6602522	6641121	non-SMC condensin I complex, subunit D2
40188	ENSG00000144968	CDK17	38476	-0.07	protein_coding	12	17496875	17496875	cyclin-dependent kinase 17
40205	ENSG00000111530	CAND1	38506	-0.07	protein_coding	12	67653001	67653352	cutlin-associated and neddylation-associated 1
40211	ENSG00000134291	TEMM16C	38517	-0.07	protein_coding	12	6188162	61882661	transmembrane protein 106C
40215	ENSG00000145528	MEIS1	38518	-0.07	protein_coding	12	6188162	61882661	meis homeobox 2
40222	ENSG00000141560	FNK3P	38520	-0.07	protein_coding	2	80674559	80688204	fructosyl-3-amine related protein
40238	ENSG00000195974	CAV1	38537	-0.07	protein_coding	7	116184859	116201233	caveolin 1, caveolar protein, 22kDa
40246	ENSG00000191868	SRFBP1	38537	-0.07	protein_coding	8	33003134	33003134	serine-arginine binding protein 1, soluble
40266	ENSG00000171848	RNZ2	38539	-0.07	protein_coding	2	10202455	10202455	ribonucleotide reductase M2
40272	ENSG00000137038	TMM2M1	38539	-0.07	protein_coding	9	7798480	77988380	transmembrane protein 261
40273	ENSG00000102571	RNFB	38543	-0.07	protein_coding	5	16268158	16268158	lysine/arginine mediated methyl transferase (RHAMM)
40286	ENSG00000224051	GLTP1	38573	-0.07	protein_coding	1	1205119	1205119	glycosyl transfer protein domain containing 1
40290	ENSG00000131153	GN2S	38579	-0.07	protein_coding	8	95710984	95723679	GN2S complex subunit 2 (Pzf2 homolog)
40291	ENSG00000105378	FKBP1	38582	-0.07	protein_coding	18	7468377	7468377	membrane-folding catalyst (glucocorticoid receptor corepressor)
40318	ENSG00000138143	SUCLA2	38614	-0.07	protein_coding	13	49510622	49512125	succinate-CoA ligase, ADP-forming, beta subunit
40319	ENSG00000223872	NME1	38619	-0.07	protein_coding	17	49230897	49239789	NME2M2 nucleoside diphosphate kinase 1
40330	ENSG00000182137	HSP98	38622	-0.07	protein_coding	12	119614447	119669398	heat shock 20kDa protein 8
40360	ENSG00000101621	MPP13	38623	-0.07	protein_coding	15	39524013	39525055	chromosome 21 open reading frame 33
40365	ENSG00000181991	MPP13	38623	-0.07	protein_coding	15	89010884	89022222	mitochondrial ribosomal protein S11
40366	ENSG00000198442	CYBB1	38653	-0.07	protein_coding	14	45584803	45584822	PKC8 binding protein 3, 25kDa
40381	ENSG00000193488	FKBP1	38653	-0.07	protein_coding	18	20293987	20293987	membrane-folding catalyst (glucocorticoid receptor corepressor)
40389	ENSG00000144887	SRPRB	38677	-0.07	protein_coding	3	133592877	133594416	signal recognition particle receptor, B subunit
40416	ENSG00000184413	ESRP1	38709	-0.07	protein_coding	8	95853362	95719694	epithelial splicing regulatory protein 1
40451	ENSG00000165311	CRAT	38742	-0.07	protein_coding	6	20262463	20214427	perlecan domain containing 1, beta 1 subunit
40458	ENSG00000095321	CRAT	38742	-0.07	protein_coding	9	131878089	131878089	carminin O acetyltransferase
40465	ENSG00000126099	PFAT	38755	-0.07	protein_coding	4	57295299	57307181	phosphatidyl pyrophosphate amidotransferase
40478	ENSG00000191361	TIHRA	38758	-0.07	protein_coding	4	36714443	36714443	tyrosine kinase receptor, alpha
40491	ENSG00000175862	TOM1L2	38782	-0.07	protein_coding	17			

42067	ENSG00000185504	C17orf70	40538_3	-0.07	protein_coding	17	7956917	7952087	chromosome 17 open reading frame 70
42071	ENSG00000185071	ABHD11	40539_1	-0.07	protein_coding	7	7319324	7319324	abhydrolase domain containing 11
42074	ENSG00000114544	SLC14A3	40540_4	-0.07	protein_coding	3	12572518	12582404	solute carrier family 14, member 3
42080	ENSG00000270699	ASNS	40544_8	-0.07	protein_coding	7	67481430	67501854	asparagine synthetase (glutamine-hydrolyzing)
42083	ENSG00000126259	MRRT	40549_8	-0.07	protein_coding	17	7486877	7486107	mannose 6-phosphate utilization defect 1
42084	ENSG00000102941	PM1M1	40550_4	-0.07	protein_coding	22	41972988	41985884	phosphotransferase 1
42088	ENSG00000136295	TYH3	40551_4	-0.07	protein_coding	7	2871585	2704436	twenty five member 3
42090	ENSG00000245636	PEY17	40554_7	-0.07	protein_coding	20	18118517	18128413	PEY17 homolog (S. cerevisiae)
42120	ENSG00000109146	RNEE1	40558_1	-0.07	protein_coding	16	5992968	59945487	ribonuclease exo1
42122	ENSG00000195657	CACNA1H	40585_5	-0.07	protein_coding	10	1202424	12071771	calcium channel, voltage-dependent, T type, alpha 1H subunit
42126	ENSG0000011028	MRC2	40587	-0.07	protein_coding	20	6074782	6077058	mannose receptor, C type 2
42132	ENSG00000194689	TRMT2A	40589_4	-0.07	protein_coding	7	2009388	20193815	RNA methyltransferase 2 (S. cerevisiae)
42143	ENSG00000137411	VARS2	40609_8	-0.07	protein_coding	6	3987619	39884236	valyl-RNA synthetase 2, mitochondrial
42150	ENSG00000185757	KIAA1462	40618_4	-0.07	protein_coding	10	30301229	30044623	KIAA1462
42154	ENSG00000202663	APSR11	40619_3	-0.07	protein_coding	14	10402699	104073600	apoptosome 1, mitochondrial
42156	ENSG00000145730	PAM3	40626_7	-0.07	protein_coding	5	1208885	10236609	peptidylglycine alpha-amidating monooxygenase
42158	ENSG00000304896	CLPTM1L	40630_5	-0.07	protein_coding	5	1317859	1343214	CLPTM1L-like
42166	ENSG00000102884	FMH1C	40632_2	-0.07	protein_coding	10	7476675	74856132	prolyl 4-hydroxylase, alpha polypeptide 1
42174	ENSG00000162227	TAF1L	40647_8	-0.07	protein_coding	11	6253875	6254814	TAF1B RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa
42177	ENSG00000136240	KDEL2	40651_7	-0.07	protein_coding	7	6485584	6523873	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2
42186	ENSG00000195253	INPPEF	40654_4	-0.07	protein_coding	10	11245009	121168852	inositol polyphosphate 5-phosphatase F
42181	ENSG00000181027	FRP3	40654_4	-0.07	protein_coding	19	4724803	4728205	kulmin related protein
42189	ENSG00000145391	SETD7	40658_7	-0.07	protein_coding	4	140417095	140527583	SET domain containing (lysine methyltransferase) 7
42193	ENSG00000131338	QTRT1	40662	-0.07	protein_coding	19	10021208	10024113	guanine RNA-ribosyltransferase 1
42194	ENSG00000183580	FBXL7	40662_3	-0.07	protein_coding	5	15500305	15589900	F-box and leucine-rich repeat protein 7
42196	ENSG00000309889	KIF4A	40664_8	-0.07	protein_coding	X	9958079	8964082	kinesin family member 4A
42198	ENSG00000148443	POCD11	40666_7	-0.07	protein_coding	10	100156405	100260349	programmed cell death 11
42203	ENSG00000124104	SNK21	40668_1	-0.07	protein_coding	20	44442449	44471914	sorting nexin family member 21
42204	ENSG00000202172	B3GNT9	40670	-0.07	protein_coding	16	67142006	67185117	UDP-GlcNAc 6-epimerase beta-1,3-N-acetylglucosaminyltransferase 9
42201	ENSG00000145483	ACTH2	40674	-0.07	protein_coding	2	2171708	2171708	membrane-associated rat oncofetus (CMHC) 4, E3 ubiquitin protein ligase
42216	ENSG00000134769	DTNA	40682_6	-0.07	protein_coding	18	32073254	32073808	dysembryon, alpha
42219	ENSG00000195259	CHAF1B	40687	-0.07	protein_coding	21	37757876	37791313	chromatin assembly factor 1, subunit B (p60)
42220	ENSG00000102422	SPRY3	40688	-0.07	protein_coding	12	5686812	5687012	SPRY domain containing 4
42231	ENSG00000159063	ALG8	40702_6	-0.07	protein_coding	11	77811982	77850706	ALG8, alpha-1,3-glucosyltransferase
42243	ENSG00000102081	HMX8A4	40715_1	-0.07	protein_coding	22	35653445	35691801	HMX8B domain containing 4
42251	ENSG00000102828	SAMD1A	40716	-0.07	protein_coding	22	5502133	5502133	sterile alpha motif domain containing 4A
42254	ENSG00000202834	SNK24	40726_2	-0.07	protein_coding	19	4625295	46299231	sorting nexin 24
42264	ENSG00000126777	KTN1	40741_5	-0.07	protein_coding	14	56025790	56168244	kinetin 1 (kinesin receptor)
42280	ENSG00000102246	DGCR8	40750_3	-0.07	protein_coding	9	320100	320100	DIP2 disco-interacting protein 2 homolog C (Drosophila)
42285	ENSG00000098486	COP1	40764_6	-0.07	protein_coding	16	4500876	4500876	cell death-inducing p53 target 1
42292	ENSG00000122550	KULH7	40780	-0.07	protein_coding	7	2345353	2347533	kelch-like family member 7
42294	ENSG00000144680	TRMT2B	40783	-0.07	protein_coding	3	4145307	4145307	SRFBP1 chaperone
42298	ENSG00000171729	TMEM51	40786_7	-0.07	protein_coding	1	15479028	15489876	transmembrane protein 51
42302	ENSG00000131321	STAR1D3	40788_2	-0.07	protein_coding	13	3387272	3387272	SMAR-related lipid transfer (START) domain containing 13
42304	ENSG00000126972	DGCR4	40790_3	-0.07	protein_coding	5	15008602	150159071	diatom 4 (p62)
42315	ENSG00000105344	HSPA13	40793_3	-0.07	protein_coding	10	1574338	1574338	heat shock protein 70kDa family, member 13
42330	ENSG00000102804	TSC2D1	40811_8	-0.07	protein_coding	13	45007855	45151283	TSC22 domain family member 1
42333	ENSG00000006582	MMP2S24	40819	-0.07	protein_coding	2	4906157	49094592	mitochondrial ribosomal protein S24
42340	ENSG00000106296	MPS2B	40823_3	-0.07	protein_coding	6	2291465	2291963	perforin 6
42344	ENSG00000115457	IGFBP2	40831_3	-0.07	protein_coding	2	21748751	21749759	insulin-like growth factor binding protein 2, 36kDa
42348	ENSG00000191363	RIT2	40837_3	-0.07	protein_coding	17	6891345	6910703	fructosyltransferase 3 kinase
42353	ENSG00000161736	DOLP1	40838	-0.07	protein_coding	13	13184337	13186217	diacylglycerol phosphatase 1
42356	ENSG00000044652	SNK24	40848_7	-0.07	protein_coding	5	122179134	122305049	sorting nexin 24
42367	ENSG00000105270	SLP2A	40852_2	-0.07	protein_coding	19	3650562	36524245	CAP-Gly domain containing linker protein 3
42386	ENSG00000108766	METTL2A	40857	-0.07	protein_coding	19	60561229	60574454	methyltransferase like 2A
42384	ENSG00000137074	APTX	40859_1	-0.07	protein_coding	9	3297204	33025166	serpinin
42388	ENSG00000126744	RIT2C	40862_9	-0.07	protein_coding	19	4598847	46000319	reticulon 2
42389	ENSG00000105624	PQSF6	40866	-0.07	protein_coding	19	1050823	10511083	polyom group ring finger 6
42372	ENSG00000124164	VAMP	40884_1	-0.07	protein_coding	20	5898478	5702617	VAMP (vesicle-associated membrane protein)-associated protein 8 and C
42386	ENSG00000120334	CENPL	40880_7	-0.07	protein_coding	1	17378888	17378888	centromere protein L
42388	ENSG00000101523	MAP3K2	40882	-0.07	protein_coding	3	4746526	4746526	mitogen-activated protein kinase 3 interacting protein 3
42393	ENSG00000150830	VEGFC	40886_2	-0.07	protein_coding	4	17760489	17771381	vascular endothelial growth factor C
42395	ENSG00000105767	CADM4	40887_9	-0.07	protein_coding	19	4412520	44143991	cell adhesion molecule 4
42398	ENSG00000144498	TMEM82	40892	-0.07	protein_coding	22	2077184	2077184	scavenger receptor class F, member 2
42407	ENSG00000112276	BVES	40897_6	-0.07	protein_coding	6	10554897	10558049	blood vessel endothelial substance
42420	ENSG00000309999	RNF215	40913_3	-0.07	protein_coding	22	3077385	30817760	ring finger protein 215
42421	ENSG00000101801	TMEM38	40913	-0.07	protein_coding	11	11462103	11462103	transmembrane protein 38
42422	ENSG00000189060	H1FO	40918_1	-0.07	protein_coding	2	3820114	38203442	H1 histone family, member 0
42423	ENSG00000161011	SGO1B1	40919_3	-0.07	protein_coding	5	17923388	17926578	sesquione 1
42424	ENSG00000100372	SLC25A17	40920_6	-0.07	protein_coding	22	4116534	41215403	solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member 17
42427	ENSG00000008798	NAV3	40922_3	-0.07	protein_coding	12	7822488	7826790	neuronal navigator 3
42430	ENSG00000101813	MAPK15	40923	-0.07	protein_coding	3	14862369	14862369	mitogen-activated protein kinase containing 11
42431	ENSG00000119574	ZBTB45	40927_4	-0.07	protein_coding	19	5904897	59050276	zinc finger and BTB domain containing 45
42432	ENSG00000174013	FBXK4S	40928_3	-0.07	protein_coding	3	18625482	18625482	F-box protein 45
42433	ENSG00000101822	TMEM82C	40928	-0.07	protein_coding	22	788828	788828	transmembrane protein 82
42434	ENSG00000191019	NGO1	40929	-0.07	protein_coding	16	8974899	8976054	NAD(P)H dehydrogenase, quinone 1
42435	ENSG00000193854	SWIS	40933_3	-0.07	protein_coding	9	13107858	13105269	SWIS recombination repair homology (yeast)
42437	ENSG00000101588	NAL5	40935	-0.07	protein_coding	8	372838	372838	muscleprotein 155kDa
42447	ENSG00000189924	LETM1	40941_4	-0.07	protein_coding	4	1811206	1815794	leucine zipper EF-hand containing transmembrane protein 1
42454	ENSG00000196078	TRAF7	40950_2	-0.07	protein_coding	7	5108309	51384515	cardon-box WH2 repeat protein
42468	ENSG00000105685	RIT5	40954_3	-0.07	protein_coding	11	624107	624107	integrator complex subunit 5
42467	ENSG00000145485	CKK5	40962_6	-0.07	protein_coding	7	15075089	15075087	cyclin-dependent kinase 5
42474	ENSG00000113456	RAD1	40971_9	-0.07	protein_coding	5	34905369	34919004	RAD1 homolog (S. pombe)
42477	ENSG00000136854	STBP1	40975_4	-0.07	protein_coding	9	13031454	13040740	strep binding protein 1
42478	ENSG00000102984	FTN	40977_2	-0.07	protein_coding	11	3391163	13702811	fibronectin
42479	ENSG00000118402	ELVDL4	40978_5	-0.07	protein_coding	6	80624529	80657297	ELVDL family alpha elongase 4
42481	ENSG00000126549	KIAA1217	40980_9	-0.07	protein_coding	10	2396707	24063767	KIAA1217
42484	ENSG00000102688	NES	40983	-0.07	protein_coding	12	15963555	15964199	nestin
42488	ENSG00000136531	SUX3	40985_9	-0.07	protein_coding	12	5630964	56340425	sulfite oxidase
42484	ENSG00000195812	FAM87A	40986_6	-0.07	protein_coding	2	3386267	3384449	family with sequence similarity 89, member A
42500	ENSG00000104948	SNHG2	41000	-0.07	protein_coding	8	4983049	4983049	small nuclear non-coding RNA zinc finger 2
42503	ENSG00000407290	C17orf70	41007_8	-0.07	protein_coding	X	18666126	16731059	CYP synthase 2
42504	ENSG00000100811	ARG2	41008_4	-0.07	protein_coding	14	8088015	8111847	arginase 2
42506	ENSG00000141198	TOM1L1	41012	-0.07	protein_coding	11	2671876	3261610	target of my1 (p160)-like 1
42509	ENSG00000144369	FAM171B	41013_1	-0.07	protein_coding	2	18755888	18750385	family with sequence similarity 171, member B
42514	ENSG00000111685	CDC43	41						

42734	ENSG00000198825	PTGESL3	41278	-0.07	protein_coding	17	4110243	41132545	PTGESL3-AS1 readthrough
42738	ENSG0000019396	DLG4	41283	-0.07	protein_coding	4	1509139	15117819	dishevelled domain kinase 2
42740	ENSG00000189908	TMSF1	41287	-0.07	protein_coding	3	14009609	14009552	transmembrane 4 L six family member 1
42741	ENSG00000103096	PLAGL3	41287	-0.07	protein_coding	16	6827620	6829461	phosphoglucoase A2, group XV
42742	ENSG00000096068	CLCA7	41287	-0.07	protein_coding	14	23664504	23664504	solute carrier family 7 (amino acid transporter light chain, L system), member 6
42754	ENSG0000019158	EPK4L5	41301	-0.07	protein_coding	14	12071251	12079863	epithelial membrane protein bars 4, like 5
42755	ENSG00000130835	COL5A1	41301	-0.07	protein_coding	9	13753320	13773886	collagen, type V, alpha 1
42756	ENSG0000011576	LARS2	41302	-0.07	protein_coding	3	4542999	4542999	leucyl-RNA synthetase 2, mitochondrial
42764	ENSG00000193428	MMAR3	41308	-0.07	protein_coding	12	109991542	110911679	methylmalonic aciduria (cobalamin deficiency) cblII type
42765	ENSG00000182196	LDCC1	41311	-0.07	protein_coding	4	14026994	14027110	leucine zipper, down-regulated in cancer 1
42766	ENSG00000184079	COIF2	41312	-0.07	protein_coding	6	17129620	17169272	chromosome 8 open reading frame 57
42768	ENSG00000180284	SPATCL1	41313	-0.07	protein_coding	6	47843852	47843852	spermatogenesis and centromere-associated 1 like
42771	ENSG00000137269	LRRIC2	41322	-0.07	protein_coding	6	5365925	5378919	leucine rich repeat containing 1
42777	ENSG00000089250	NRP1	41327	-0.07	protein_coding	10	3348420	33525190	neuropilin 1
42788	ENSG00000082630	FRY11	41334	-0.07	protein_coding	5	61869789	61934409	protein tyrosine phosphatase 11
42791	ENSG00000128484	PARP2	41343	-0.07	protein_coding	14	2081174	2082064	poly (ADP-ribose) polymerase 2
42792	ENSG00000117155	SSX2IP	41343	-0.07	protein_coding	1	8519399	8518449	synovial sarcoma, A breakpoint 2 interacting protein
42798	ENSG00000133445	WDR1	41351	-0.07	protein_coding	5	18771865	18739938	WW and C2 domain containing 1
42804	ENSG00000168077	SCARA3	41351	-0.07	protein_coding	8	27491385	27534203	scavenger receptor class A, member 3
42806	ENSG00000157627	FAM137	41357	-0.07	protein_coding	2	15191791	15150348	formin-like 2
42817	ENSG00000201728	CTPFB3	41358	-0.07	protein_coding	1	13761727	13761947	chromosome 1 open reading frame 53
42820	ENSG00000139998	RAB15	41372	-0.07	protein_coding	14	68412532	65439494	RAB15, member RAS oncogene family
42822	ENSG00000183629	PTPN13	41373	-0.07	protein_coding	4	8751548	87736324	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)
42828	ENSG00000118162	KFTN	41379	-0.07	protein_coding	19	47978401	47987525	kaptein (actin binding protein)
42831	ENSG00000107862	GBF1	41380	-0.07	protein_coding	10	10405299	10412489	guanine nucleotide exchange factor 1
42838	ENSG00000198767	SPRN4	41390	-0.07	protein_coding	3	6265107	62651224	glycyl-proline family member 4
42840	ENSG0000017194	HLTF	41390	-0.07	protein_coding	3	14874714	14880434	helicase-like transcription factor
42843	ENSG00000129195	FAM64A	41393	-0.07	protein_coding	17	6347735	6347879	family with sequence similarity B4, member A
42853	ENSG00000181471	CTSL	41412	-0.07	protein_coding	17	1284182	12842964	cathepsin L
42854	ENSG00000191914	DST	41412	-0.07	protein_coding	6	5632785	5681926	dystonin
42856	ENSG00000185997	AKL5B	41413	-0.07	protein_coding	10	18498334	18707088	ADP-ribosylation factor-like 5B
42857	ENSG00000187541	CTSL	41413	-0.07	protein_coding	17	1284182	12842964	phosphatidylethanolamine transferase, class O
42858	ENSG00000000003	TSPAN6	41415	-0.07	protein_coding	3	9985365	9990498	transferrin 6
42859	ENSG00000143842	SOX13	41415	-0.07	protein_coding	1	20404243	20409963	SRF (see determining region Y) box 13
42868	ENSG00000185823	CTSL	41415	-0.07	protein_coding	17	1284182	12842964	membrane protein, palmitoylated (PK-palmitoyl member 2)
42870	ENSG0000012071	LPNH1	41428	-0.07	protein_coding	19	14260750	14319999	latrophilin 1
42884	ENSG00000187772	LINC28	41441	-0.07	protein_coding	6	10544923	10551207	linc28 homolog B (C. elegans)
42885	ENSG00000189263	LRWD1	41441	-0.07	protein_coding	13	8008121	80081303	leucine-rich repeats and immunoglobulin-like domains 3
42887	ENSG00000171861	RNMTL1	41442	-0.07	protein_coding	17	685113	685749	RNA methyltransferase like 1
42889	ENSG00000187733	HSD11B1L	41448	-0.07	protein_coding	19	5688815	5688835	hydroxysteroid (11-beta) dehydrogenase 1-like
42891	ENSG00000181278	LRWD1	41448	-0.07	protein_coding	13	8008121	80081303	protein tyrosine phosphatase, non-receptor type G
42896	ENSG00000186167	BTRC	41452	-0.07	protein_coding	10	10311920	10310778	beta-transducin repeat containing E3 ubiquitin protein ligase
42901	ENSG00000182449	PDCD2L	41460	-0.07	protein_coding	19	34895289	34917073	programmed cell death 2
42903	ENSG00000187510	TRAF3	41462	-0.07	protein_coding	20	5502439	5502439	transcription factor AP-2 gamma (activating enhancer binding protein 2 gamma)
42906	ENSG00000188760	TMEM108	41462	-0.07	protein_coding	2	22049385	22041537	transmembrane protein 108
42911	ENSG00000185338	HECTD2	41472	-0.07	protein_coding	10	6317036	63274586	HECT domain containing E3 ubiquitin protein ligase 2
42914	ENSG00000101129	NILCAM	41475	-0.07	protein_coding	10	10707408	10699717	neuronal cell adhesion molecule
42921	ENSG00000195828	PPP1R8A	41480	-0.07	protein_coding	7	9435951	94369121	protein phosphatase 1, regulatory subunit 9A
42922	ENSG00000104290	FDP3	41480	-0.07	protein_coding	8	28317129	28341775	fused family receptor 3
42928	ENSG00000095096	DPF13	41485	-0.07	protein_coding	3	17930543	17930189	ubiquitin specific peptidase 13 (sopeptidase 1-3)
42930	ENSG00000180618	ANO2	41490	-0.07	protein_coding	13	119011731	11268463	anion channel complex 2
42931	ENSG00000137166	FOXP4	41492	-0.07	protein_coding	6	41514164	41507122	forkhead box P4
42933	ENSG00000187487	KLHL26	41491	-0.07	protein_coding	19	18747775	18781309	ketch-like family member 20
42938	ENSG00000202847	LRWD1	41492	-0.07	protein_coding	13	8008121	80081303	euchromatic histone lysine methyltransferase 2
42938	ENSG00000195588	LSM11	41493	-0.07	protein_coding	5	15710703	15718717	LSM11, U7 small nuclear RNA associated
42941	ENSG00000189289	PKOX	41495	-0.07	protein_coding	21	85138975	85182188	pyridoxal (pyridoxine, vitamin B6) kinase
42944	ENSG00000181471	LATS2	41497	-0.07	protein_coding	17	3511556	35094	serine/threonine kinase
42957	ENSG00000138018	EPT1	41517	-0.07	protein_coding	2	2831415	2861879	ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific)
42965	ENSG00000185861	OSGOL2	41532	-0.07	protein_coding	9	13698919	13913788	galactin OS glycosyl oxidase 2
42969	ENSG00000191796	SGSH	41532	-0.07	protein_coding	9	1066255	1066255	galactose 4-epimerase, terminal domain containing
42975	ENSG00000181986	WDR90	41547	-0.07	protein_coding	16	699311	717633	WD repeat domain 90
42980	ENSG00000143995	MEIS1	41547	-0.07	protein_coding	2	6896054	68961001	Meis homeobox 1
42983	ENSG00000190627	REI1B	41547	-0.07	protein_coding	1	14574328	14574328	Rei1 domain containing 4
42985	ENSG00000187749	CYB5D2	41549	-0.07	protein_coding	17	4048462	4090605	cytochrome b5 domain containing 2
42986	ENSG00000195592	ZKSCAN2	41551	-0.07	protein_coding	16	25247322	25299252	zinc finger with KRAB and SCAN domains 2
42988	ENSG00000191718	RPS24	41551	-0.07	protein_coding	15	7526182	7526182	ribosomal protein S24, subunit
42990	ENSG00000187538	CACNB3	41557	-0.07	protein_coding	12	4920757	4922724	calcium channel, voltage-dependent, beta 3 subunit
42999	ENSG00000185889	AGPAT6	41568	-0.07	protein_coding	8	41434706	41448220	1-acylglycerol 3-phosphate O-acyltransferase 6
43001	ENSG00000104953	LATS2	41568	-0.07	protein_coding	13	2154718	2154718	large tumor suppressor kinase 2
43002	ENSG00000043355	ZIC2	41568	-0.07	protein_coding	13	10063408	10063019	Zic family member 2
43003	ENSG00000193550	KNOP1	41568	-0.07	protein_coding	16	1874992	18729557	lysine rich nuclear protein 1
43004	ENSG00000183888	CANX	41568	-0.07	protein_coding	1	18380	18380	calcium/calmodulin-dependent protein kinase II inhibitor 2
43016	ENSG00000138478	TEX2	41580	-0.07	protein_coding	17	8224587	82240661	testis expressed 2
43017	ENSG00000183870	TRPA1	41581	-0.07	protein_coding	3	12729192	12731794	transmembrane protein, acid-sensing associated 1
43018	ENSG00000184628	IKBK	41582	-0.07	protein_coding	13	1923884	1923884	IkB most containing 1
43027	ENSG00000259073	PTEN	41596	-0.07	protein_coding	21	33765439	33765254	chromosome 21 open reading frame 119
43028	ENSG00000134504	KCTD11	41608	-0.07	protein_coding	18	24024874	24024874	potassium channel tetramerization domain containing 1
43029	ENSG00000194603	SLC39A3	41608	-0.07	protein_coding	1	11848769	11848769	lysine motif containing 32
43040	ENSG00000125843	AP5T1	41609	-0.07	protein_coding	20	3801178	3805949	adaptor-leucine protein complex 5, sigma 1 subunit
43044	ENSG00000193116	KIF21A	41614	-0.07	protein_coding	12	39887030	39887192	kinase family member 21A
43046	ENSG00000185813	KIF15	41615	-0.07	protein_coding	15	6011620	6011620	kinase family member 7
43050	ENSG00000135108	FOXO2	41618	-0.07	protein_coding	12	11758114	11762336	Fox box protein 2
43051	ENSG00000112130	RNF9	41619	-0.07	protein_coding	6	3732148	37362514	ring finger protein 8, E3 ubiquitin protein ligase
43054	ENSG00000187689	CDKN2A	41621	-0.07	protein_coding	9	7196773	7196530	cyclin-dependent kinase inhibitor 2A
43061	ENSG00000178184	PARK9	41623	-0.07	protein_coding	18	77815115	7807428	park9 family cell polarity regulator
43062	ENSG00000228872	PROB1	41631	-0.07	protein_coding	5	13872635	13873085	proline-rich basic protein 1
43063	ENSG00000119521	MLK3	41636	-0.07	protein_coding	12	11001100	11003967	mixed-lineage kinase
43070	ENSG00000189826	COX4A3	41639	-0.07	protein_coding	12	42793437	42791447	cytochrome c oxidase subunit 4b
43074	ENSG00000098182	JMJD4	41641	-0.07	protein_coding	1	22798128	22798112	jumron domain containing 4
43075	ENSG00000142594	PRKCD	41642	-0.07	protein_coding	1	15024042	15027007	patillary renal cell carcinoma (translocation-associated)
43077	ENSG00000191481	PDFA	41643	-0.07	protein_coding	1	33685	33685	platelet-derived growth factor alpha polypeptide
43080	ENSG00000124074	EMK2	41651	-0.07	protein_coding	16	67698848	67701186	erkurin domain containing 1
43083	ENSG00000005884	TIGA3	41652	-0.07	protein_coding	17	4813332	48167485	integrin, alpha 3 (integrin CD149, alpha 3 subunit of VLA-3 receptor)
43087	ENSG00000198910	LTC4AI	41657	-0.07	protein_coding	17	15312069	15312069	15 lipoxygenase
43095	ENSG00000100154	TC2E	41657	-0.07	protein_coding	22	2871404	2897583	tetratricopeptide repeat domain 28
43098	ENSG00000101189	MIR68P	41678	-0.07	protein_coding	20	6142789	61431445	MIR68-miRNA, binding protein
43098	ENSG000001								

43326	ENSG00000209193	PHLPP1	41781	-0.07	protein_coding	18	60362072	60647668	PH domain and luciferin rib repeat protein phosphatase 1
43328	ENSG0000015058	HES17	41787	-0.07	protein_coding	X	13170944	13206924	heparan sulfate O-6-sulfotransferase 2
43336	ENSG00000114405	C1orf14	41988.4	-0.07	protein_coding	3	62304648	62321888	chromosome 3 open reading frame 14
43337	ENSG00000014937	LAS1L	41988.9	-0.07	protein_coding	X	64732462	64744555	LAS1-like (S. cerevisiae)
43338	ENSG00000174501	DBSL	41990.9	-0.07	protein_coding	18	65172819	65194217	demethyl sulfite epimerase-like
43344	ENSG00000191971	LCN2L	42000.3	-0.07	protein_coding	6	12688797	12704547	LCN2-like family member 2
43348	ENSG0000011478	OPLX2	42003.1	-0.07	protein_coding	19	46195741	46207247	glutamine/peptide cyclotransferase-like
43350	ENSG00000212719	C17orf1	42005.2	-0.07	protein_coding	17	21428691	21477722	chromosome 17 open reading frame 51
43351	ENSG00000000398	RUL1D3	42008.3	-0.07	protein_coding	X	11929393	11934547	ELAV-like family member 13
43357	ENSG00000137337	MDC1	42008.9	-0.07	protein_coding	6	30687584	30695651	mediator of DNA-damage checkpoint 1
43358	ENSG00000143155	HES1	42013.3	-0.07	protein_coding	3	15365584	15369651	hes family bHLH transcription factor 1
43360	ENSG00000131874	ENOX2	42028.2	-0.07	protein_coding	12	7026269	7028261	enzyme 2 gamma, neuronal
43368	ENSG00000176842	IRX5	42028.3	-0.07	protein_coding	16	54864774	54883397	iroquois homeobox 5
43372	ENSG00000194177	MYEF2	42032.2	-0.07	protein_coding	15	48431625	48470714	myelin expression factor 2
43378	ENSG00000100788	ZNF668	42038.2	-0.07	protein_coding	16	31072784	31085641	zinc finger protein 668
43377	ENSG00000132846	ZBED3	42039.3	-0.07	protein_coding	5	76378977	76383148	zinc finger, BED-type containing 3
43383	ENSG00000030362	TRIO	42046.1	-0.07	protein_coding	5	1414311	14323235	trp Rho guanine nucleotide exchange factor
43386	ENSG00000150288	FRXL1B	42048.3	-0.07	protein_coding	7	5470066	5503429	F-box and leucine-rich repeat protein 18
43391	ENSG00000173653	RCE1	42052.7	-0.07	protein_coding	11	66610306	66610417	Ras converting CAAX endopeptidase 1
43406	ENSG00000187634	SAMD11	42079.7	-0.07	protein_coding	1	862026	8739655	sterile alpha motif domain containing 11
43408	ENSG00000131725	PRPF4	42172.2	-0.07	protein_coding	5	14160952	14170620	pre-mRNA splicing factor 4
43441	ENSG00000132004	FBXW9	42114.5	-0.07	protein_coding	19	1278867	12807467	F-box and WD repeat domain containing 9
43444	ENSG00000135414	GDF11	42119.6	-0.07	protein_coding	12	56137064	56150911	growth differentiation factor 11
43449	ENSG00000000573	HOUA1	42128.5	-0.07	protein_coding	7	2722128	27224842	homeobox A11
43451	ENSG00000168465	DGDL1	42128.8	-0.07	protein_coding	6	11774860	11781021	discoilin, CUB and LCC1 domain containing 1
43454	ENSG00000170385	SMAD1	42130.5	-0.07	protein_coding	4	14642348	14647921	SMAD family member 4
43459	ENSG00000166532	RMRK1B	42134.8	-0.07	protein_coding	12	8631496	8632661	ribosomal modification protein rmrk-like family member B
43464	ENSG00000204138	PHACTR4	42138.8	-0.07	protein_coding	1	28696114	28696114	phosphatase and actin regulator 4
43465	ENSG00000178832	ETV4	42140.3	-0.07	protein_coding	17	41662512	41666888	ets variant 4
43480	ENSG00000168681	HES1Y	42140.7	-0.07	protein_coding	8	4667265	4667265	has-related family bHLH transcription factor 1
43488	ENSG00000033989	SLOC1A2	42176.8	-0.07	protein_coding	8	17354597	17428082	solute carrier family 7 (cationic amino acid transporter, y+ system), member 2
43493	ENSG00000252293	HOUA10	42184.5	-0.07	protein_coding	7	27210210	27219880	homeobox A10
43508	ENSG00000160028	ENOX2	42185.2	-0.07	protein_coding	7	342357	342357	enzyme 2 gamma, neuronal
43512	ENSG00000144233	AMMECR1L	42214.4	-0.07	protein_coding	2	128619204	128643498	AMMECR1-like
43516	ENSG00000126268	THAP10	42221.5	-0.07	protein_coding	15	71173681	71185124	THAP domain containing 10
43528	ENSG00000121628	ENOX2	42222.2	-0.07	protein_coding	15	566734	566734	enzyme 2 gamma, neuronal
43563	ENSG00000198476	C2orf106	42258.5	-0.07	protein_coding	20	251504	271390	chromosome 20 open reading frame 96
43566	ENSG00000101187	SLOC1A1	42294.9	-0.07	protein_coding	20	61273797	61317337	solute carrier organic anion transporter family, member 4A1
43583	ENSG00000100399	ENOX2	42295.2	-0.07	protein_coding	17	2723270	2723270	enzyme 2 gamma, neuronal
43628	ENSG00000149858	ZC3H4VIL	42373.3	-0.07	protein_coding	7	138710452	138720775	zinc finger CCHC-type, antiviral 1-like
43633	ENSG00000128587	PDXL	42383	-0.07	protein_coding	7	13185021	13182478	podocalyxin-like
43682	ENSG00000130348	MYO18A	42381	-0.07	protein_coding	7	1280249	1280249	hypocalymin-like (lipid droplet-associated)
43685	ENSG00000130164	LDLR	42379	-0.07	protein_coding	19	1120038	1124492	low density lipoprotein receptor
41269	ENSG00000227882		39635.3	-0.07	transcribed_unprocessed_pseudo_gene	2	156126145	156126399	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1 pseudogene 2
42619	ENSG000002005763	RP97	41137.2	-0.07	transcribed_unprocessed_pseudo_gene	7	3296427	3296798	retinitis pigmentosa 9 pseudogene
35190	ENSG00000226638		36433.1	-0.07	unprocessed_pseudogene	15	41849225	41849633	transcription elongation factor B (SII), polypeptide 1 pseudogene 2
35183	ENSG00000224550		33323.1	-0.07	unprocessed_pseudogene	15	41849225	41849633	transcription elongation factor B (SII), polypeptide 1 pseudogene 2
35804	ENSG00000232346		33622.5	-0.07	unprocessed_pseudogene	10	51592080	51623365	translocase of inner mitochondrial membrane 23 homolog (yeast)
37333	ENSG00000172974	PSA1	36632.9	-0.07	protein_coding	4	9767018	9767126	trans-2,3-epoxy-CoA reductase pseudogene 1
39193	ENSG00000204956	PSA1	37412.4	-0.07	protein_coding	4	2497625	2497763	ubiquitin-conjugating enzyme E2M pseudogene 1
39327	ENSG00000136297	TIMM23B	37550.5	-0.07	protein_coding	10	51592080	51623365	translocase of inner mitochondrial membrane 23 homolog (yeast)
40455	ENSG00000192909		38747.3	-0.07	unprocessed_pseudogene	10	51592080	51623365	translocase of inner mitochondrial membrane 23 homolog (yeast)
41837	ENSG00000217176		40207	-0.07	unprocessed_pseudogene	10	51592080	51623365	translocase of inner mitochondrial membrane 23 homolog (yeast)
41837	ENSG00000217525		40256.7	-0.07	unprocessed_pseudogene	10	51592080	51623365	translocase of inner mitochondrial membrane 23 homolog (yeast)
41975	ENSG00000226098		40440.4	-0.07	unprocessed_pseudogene	13	26526623	26526158	cytochrome P450, family 5, subfamily A, polypeptide 1 pseudogene 2
41989	ENSG00000226098		40440.7	-0.07	unprocessed_pseudogene	13	26526623	26526158	cytochrome P450, family 5, subfamily A, polypeptide 1 pseudogene 2
42281	ENSG00000213850		40761	-0.07	unprocessed_pseudogene	3	69184154	69184790	COP9 signalosome subunit 8 pseudogene 1
42305	ENSG0000023014		40791.1	-0.07	unprocessed_pseudogene	22	40272129	40272119	ubiquitin-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 pseudogene 1
42384	ENSG00000206480		40817	-0.07	unprocessed_pseudogene	17	1665074	1665170	ubiquitin-conjugating enzyme E2S pseudogene 2
42488	ENSG00000237831		40989.1	-0.07	unprocessed_pseudogene	11	2497763	2497763	ubiquitin-1 pseudogene 2
42921	ENSG00000226268		41025.5	-0.07	unprocessed_pseudogene	17	2967239	2967239	adenylate kinase 4 pseudogene 1
42914	ENSG00000206480		41025.5	-0.07	unprocessed_pseudogene	17	1665074	1665170	ubiquitin-conjugating enzyme E2S pseudogene 2
42966	ENSG00000228998		41534.5	-0.07	unprocessed_pseudogene	17	2497763	2497763	ubiquitin-1 pseudogene 2
43008	ENSG00000228390		41575.4	-0.07	unprocessed_pseudogene	17	2497763	2497763	ubiquitin-1 pseudogene 2
43121	ENSG00000214443		41717.1	-0.07	unprocessed_pseudogene	17	2497763	2497763	ubiquitin-1 pseudogene 2
43130	ENSG00000230467		41717.1	-0.07	unprocessed_pseudogene	17	2497763	2497763	ubiquitin-1 pseudogene 2
43144	ENSG00000141150	RASL10B	41727.7	-0.07	protein_coding	17	3405868	3407040	RASL-like family 10, member B
43172	ENSG00000111468	MYO18	41737	-0.07	protein_coding	17	3483177	3483694	myosin XIX
43340	ENSG00000281189		41991.1	-0.07	unprocessed_pseudogene	17	3483177	3483694	myosin XIX
43370	ENSG00000285537		42030	-0.07	unprocessed_pseudogene	17	3483177	3483694	myosin XIX
43540	ENSG00000266524		42237	-0.07	unprocessed_pseudogene	17	3483177	3483694	myosin XIX
43293	ENSG00000233016		41835.1	-0.08	antisense	9	139815818	139822636	small nucleolar RNA host gene 7 (non-protein coding)
43596	ENSG00000292791	SMAG2-AS1	42202.9	-0.08	antisense	9	139815818	139822636	small nucleolar RNA host gene 7 (non-protein coding)
43730	ENSG00000226638		33622.5	-0.08	unprocessed_pseudogene	10	51592080	51623365	translocase of inner mitochondrial membrane 23 homolog (yeast)
37327	ENSG00000236903		35446.4	-0.08	unprocessed_pseudogene	6	30453717	30454387	RAN, member RAS oncogene family pseudogene 1
38439	ENSG00000073905	VDAC1	36831.1	-0.08	protein_coding	X	80184999	80185846	voltage-dependent anion channel 1 pseudogene 1
39043	ENSG00000235845		37628.9	-0.08	unprocessed_pseudogene	4	9767018	9767126	trans-2,3-epoxy-CoA reductase pseudogene 1
39604	ENSG0000021461	UBE2M1	37841.9	-0.08	protein_coding	16	3440403	34404612	ubiquitin-conjugating enzyme E2M pseudogene 1
39745	ENSG00000236988		37963.1	-0.08	unprocessed_pseudogene	1	17072116	17072550	eukaryotic translation initiation factor 1A, X-linked pseudogene 1
41181	ENSG00000227650		39518.1	-0.08	unprocessed_pseudogene	15	10623811	10624249	ubiquitin-conjugating enzyme E2N pseudogene 1
41561	ENSG00000214552		39964.8	-0.08	unprocessed_pseudogene	3	69184154	69184790	COP9 signalosome subunit 8 pseudogene 1
41598	ENSG00000226098		40002	-0.08	unprocessed_pseudogene	22	40272129	40272119	ubiquitin-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 pseudogene 1
42711	ENSG00000224126		41254.9	-0.08	unprocessed_pseudogene	17	1665074	1665170	ubiquitin-conjugating enzyme E2S pseudogene 2
42937	ENSG00000226098		41393.5	-0.08	unprocessed_pseudogene	13	2497625	2497763	ubiquitin-1 pseudogene 2
43055	ENSG00000235335		41822.4	-0.08	unprocessed_pseudogene	17	2967239	2967239	adenylate kinase 4 pseudogene 1
43531	ENSG00000235598		42522.2	-0.08	unprocessed_pseudogene	13	26526623	26526158	cytochrome P450, family 5, subfamily A, polypeptide 1 pseudogene 2
43124	ENSG00000234456	MAG2-AS3	41718.1	-0.08	antisense	9	139815818	139822636	small nucleolar RNA host gene 7 (non-protein coding)
43910	ENSG00000235823		42813.7	-0.08	unprocessed_pseudogene	10	10213372	10214325	long interspersed non-protein coding RNA 263
32974	ENSG00000198409	ACTB	31147	-0.08	protein_coding	17	794799	7948073	actin, gamma 1
32985	ENSG00000198432	PRK3	32036.5	-0.08	protein_coding	17	8408569	8408569	protein kinase 3
35230	ENSG00000166385	2-Ssp	33862.8	-0.08	protein_coding	2	24225415	24225412	sepin 2
35561	ENSG00000111640	GAPDH	33868.6	-0.08	protein_coding	12	6443993	6447737	glyceraldehyde 3-phosphate dehydrogenase
36863	ENSG00000100951	C2orf1	34792.1	-0.08	protein_coding	11	2391797	2418669	G2orf1 molecule
36886	ENSG00000161916	RPL3	35010.5	-0.08	protein_coding	8	14601510	14601792	ribosomal protein L8
36991	ENSG00000098998	TMED2	35109.1	-0.08	protein_coding	12	12400978</		

39892	ENSG00000140374	EITFA	38153	-0.08	protein_coding	78507696	78603813	electron-transfer flavoprotein, alpha polypeptide
39901	ENSG00000121718	ANKK3	40238	-0.08	protein_coding	62523	62523	ankyrin 2
39905	ENSG00000243678	NME2	32022	-0.08	protein_coding	49230920	49249108	NME1/NME2 readthrough
39955	ENSG00000203191	RNH1	38224	-0.08	protein_coding	11	484512	ribonuclease/hungatein inhibitor 1
39968	ENSG00000195518	TM2D5	38230	-0.08	protein_coding	11435262	11467194	transmembrane protein 205
40010	ENSG00000191766	PLEKH2	35295	-0.08	protein_coding	16019624	16019624	pleckstrin homology domain containing family M (with RUN domain) member 2
40060	ENSG00000104979	C13orf83	38334	-0.08	protein_coding	13894862	13898276	chromosome 19 open reading frame 83
40079	ENSG00000176599	CTDTP1	38394	-0.08	protein_coding	80449490	80441396	cat TTP cytoskeleton 1
40163	ENSG00000193332	LSMT	38340	-0.08	protein_coding	23258819	23258819	LSMT homolog, U8 small nuclear RNA associated (S. cerevisiae)
40200	ENSG00000079729	PGM1	38603	-0.08	protein_coding	64058847	64125916	phosphoglucomutase 1
40243	ENSG00000062444	UZAF2	38540	-0.08	protein_coding	56165512	56186681	U2 small nuclear RNA auxiliary factor 2
40246	ENSG00000128329	MPC2	38532	-0.08	protein_coding	21418208	21418208	microprocessor RNA auxiliary factor
40384	ENSG00000157456	CEN2B	38652	-0.08	protein_coding	59397277	59417244	cyclin B2
40384	ENSG00000155396	RHCC	38670	-0.08	protein_coding	113247228	113250956	ras homology family member C
40411	ENSG00000103266	STUB1	38696	-0.08	protein_coding	7362265	7362070	STIP1 homology and U3-box containing protein 1, E3 ubiquitin protein ligase
40445	ENSG00000169733	RNF9	38735	-0.08	protein_coding	8009778	8009970	RNF9 O-fucosyltransferase 3, beta-N-acetylglucosaminyltransferase
40480	ENSG00000204568	MNP3-1B8	38777	-0.08	protein_coding	30584986	30594172	microtubulin ribosomal protein S18B
40486	ENSG00000139168	ZCRR1	38791	-0.08	protein_coding	42706860	42706860	zinc finger CCHC-type and RNA binding motif 1
40512	ENSG00000161013	MGAT4B	38806	-0.08	protein_coding	176224567	176232532	mannosyl (alpha-1-3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B
40516	ENSG00000101940	WDR13	38813	-0.08	protein_coding	48449430	48463381	WD repeat domain 13
40529	ENSG00000129243	CEP350	38817	-0.08	protein_coding	9445772	9445968	Shwachman-Bodian-Diamond syndrome
40574	ENSG00000167085	PHB	38883	-0.08	protein_coding	47481414	47492246	prohibitin
40582	ENSG00000114383	TUSC2	38893	-0.08	protein_coding	50337458	50365682	tumor suppressor candidate 2
40585	ENSG00000105221	MEF1B	38898	-0.08	protein_coding	862962	862918	mediator complex subunit 16
40586	ENSG00000122952	ZWINT	38897	-0.08	protein_coding	5811688	5811206	ZW10 interacting kinetochore protein
40616	ENSG00000168732	DDX21	38932	-0.08	protein_coding	7075884	70744229	DEAD (Asp-Glu-Asp) box helicase 21
40651	ENSG00000145912	NRP2	38966	-0.08	protein_coding	117236461	117236988	NG2P neurotrophin receptor
40653	ENSG00000145817	YFP5	38966	-0.08	protein_coding	14353725	14355078	Yfp1 domain family, member 5
40658	ENSG00000071889	FAMA3	38975	-0.08	protein_coding	153733300	153744688	family with sequence similarity 3, member A
40662	ENSG00000103325	LINC0182C	38975	-0.08	protein_coding	441173	441246	linc0182c non-coding RNA, protein coding
40665	ENSG00000204275	AP5S1	39007	-0.08	protein_coding	47341393	47352429	adaptor-related protein complex 2, sigma 1 subunit
40716	ENSG00000102685	PCMT1	39032	-0.08	protein_coding	150070579	150132556	protein-L-isoaspartate (D-aspartate) O-methyltransferase
40774	ENSG00000105293	SLC24A7	39103	-0.08	protein_coding	60231204	60231204	SLC24A7
40778	ENSG00000164062	ARPE1	39113	-0.08	protein_coding	49711435	49721396	acylaminoacyl-peptide hydrolase
40820	ENSG00000147224	PRPS1	39159	-0.08	protein_coding	108971737	10894924	phosphoribosyl pyrophosphate synthetase 1
40821	ENSG00000105959	PRPF1	39161	-0.08	protein_coding	37288	37288	PRF domain containing factor
40832	ENSG00000113845	TIMMD3C1	39170	-0.08	protein_coding	119217379	119243937	translocase of inner mitochondrial membrane domain containing 1
40849	ENSG00000199519	GRPEL1	39189	-0.08	protein_coding	7060633	7060924	GrpE-like 1, mitochondrial (E. coli)
40850	ENSG00000168688	SLC11A1	39201	-0.08	protein_coding	11588108	11588108	solute carrier family 11 (cation transporter), member 1
40944	ENSG00000180492	NOA1	39300	-0.08	protein_coding	47829536	47849889	nuclear co-repressor 1
40954	ENSG00000101218	MCM3	39303	-0.08	protein_coding	62158807	62158879	minichromosome maintenance complex component 3
40958	ENSG00000105429	PCAF	39312	-0.08	protein_coding	1472816	1472816	bifunctional acetylase regulator
40962	ENSG00000172428	MYEOV2	39313	-0.08	protein_coding	24106980	24107624	myeloma overexpressed 2
40987	ENSG00000157020	SEC13	39339	-0.08	protein_coding	10334815	10332682	SEC13 homolog (S. cerevisiae)
40988	ENSG00000104591	TNFRSF20B	39346	-0.08	protein_coding	7703269	7703269	tumor necrosis receptor 20b
41016	ENSG00000195241	HTATSF1	39357	-0.08	protein_coding	135957628	135959440	HIV-1 T8 specific factor 1
41041	ENSG00000184840	TMED9	39398	-0.08	protein_coding	177019159	177023125	transmembrane ems24 protein transport domain containing 9
41067	ENSG00000143314	MIR644	39425	-0.08	protein_coding	108701095	108711382	microtubulin ribosomal protein L24
41076	ENSG00000169926	TMEM139	39437	-0.08	protein_coding	17179793	17179793	transmembrane protein 129
41082	ENSG00000101520	C9orf67	39435	-0.08	protein_coding	3734155	3734004	chromosome 20 open reading frame 27
41136	ENSG00000197923	CY13	39493	-0.08	protein_coding	10205033	10206304	chaperonin containing TCP1, subunit 5 (beta)
41156	ENSG00000174445	YF1B	39478	-0.08	protein_coding	38797676	38797613	Yfp1 interacting factor homolog (S. cerevisiae)
41163	ENSG00000103275	UBE2I	39520	-0.08	protein_coding	1355548	1377019	ubiquitin-conjugating enzyme E2i
41172	ENSG00000114500	CT10orf1	39534	-0.08	protein_coding	57508925	57510889	chromosome 11 open reading frame 21
41176	ENSG00000105149	NAZ	39539	-0.08	protein_coding	29811427	29811427	MYC-associated zinc finger protein partner binding transcription factor
41177	ENSG00000105181	MRPL10	39539	-0.08	protein_coding	45906308	45906308	mitochondrial ribosomal protein L10
41178	ENSG00000198121	ERCC1	39541	-0.08	protein_coding	4115822	4115831	enoyl-CoA dehydratase 2
41184	ENSG00000181786	ENTPD8	39559	-0.08	protein_coding	23178329	23178329	ectonucleoside diphosphate diophosphohydrolase 5 (putative)
41238	ENSG00000108823	APEX1	39606	-0.08	protein_coding	20923550	20925927	APEX nuclease (multifunctional DNA repair enzyme) 1
41254	ENSG00000117450	PRDX1	39623	-0.08	protein_coding	45919706	45988179	peroxiredoxin 1
41279	ENSG00000174468	ENTPD6	39634	-0.08	protein_coding	23178329	23178329	ectonucleoside diphosphate diophosphohydrolase 5
41283	ENSG00000107581	EP3A	39651	-0.08	protein_coding	102074356	102084136	eukaryotic translation initiation factor 3, subunit A
41292	ENSG00000184924	PTFRHD1	39668	-0.08	protein_coding	25012603	25016251	peptidyl-RNA hydrolase domain containing 1
41338	ENSG00000105969	EFRA2	39678	-0.08	protein_coding	17625280	17625280	destrin (actin cross-linking factor) 2
41348	ENSG00000101843	PSMD10	39738	-0.08	protein_coding	107327437	107334848	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10
41357	ENSG00000190649	HIBADH1	39754	-0.08	protein_coding	27250051	27250214	3-hydroxybutyrate dehydrogenase 1
41360	ENSG00000164115	KIF13B	39773	-0.08	protein_coding	13461011	13461011	kinosin II, cytoskeletal ligand
41377	ENSG00000171241	SHCBP1	39774	-0.08	protein_coding	46614466	46655538	SHC SH2-domain binding protein 1
41383	ENSG00000171220	HDAC3	39782	-0.08	protein_coding	14100443	14116437	histone deacetylase 3
41390	ENSG00000103245	YF1A	39787	-0.08	protein_coding	5214027	5214027	tyrosine 3-monooxygenase/histamine 5-monoxygenase activation protein, eta
41394	ENSG00000138663	COP5A	39794	-0.08	protein_coding	43955600	43959571	COP9 signalosome subunit 4
41402	ENSG00000100491	HCCS3	39800	-0.08	protein_coding	11118421	11141188	HCCP synthetase synthase
41413	ENSG00000105738	MEK1	39801	-0.08	protein_coding	4068163	4068163	N-acetylglucosaminase, alpha
41429	ENSG00000155304	MLK1	39831	-0.08	protein_coding	39572859	39577678	maternal embryonic leucine zipper kinase
41438	ENSG00000147027	TMEM47	39838	-0.08	protein_coding	34845811	34847605	transmembrane protein 47
41448	ENSG00000185823	TMEM162	39838	-0.08	protein_coding	1086838	1086838	structural maintenance of chromosomes 2
41449	ENSG00000141367	CLTC	39850	-0.08	protein_coding	57792719	57792719	clathrin, heavy chain (HC)
41482	ENSG00000100900	MHS2	39854	-0.08	protein_coding	47681008	47788450	meis1 homolog 2
41487	ENSG00000105811	PHF19C	39858	-0.08	protein_coding	303819	303819	phosphatidylinositol (3-OH) kinase, type I, gamma
41534	ENSG00000178252	WDR8	39941	-0.08	protein_coding	4904495	49053368	WD repeat domain 8
41538	ENSG00000102030	NAT10	39943	-0.08	protein_coding	15318495	15320676	N(alpha)-acetyltransferase 10, NAA catalytic subunit
41541	ENSG00000103718	MPK4	39948	-0.08	protein_coding	1310949	1310949	MPK4, U3 small nuclear ribonucleoprotein, homolog (yeast)
41556	ENSG00000103499	DEPDC1B	39959	-0.08	protein_coding	59952739	59960717	DEP domain containing 1B
41564	ENSG00000196576	PLXN2	39970	-0.08	protein_coding	50713408	50746056	plexin B2
41570	ENSG00000198569	ZNF511	39977	-0.08	protein_coding	13511979	13516603	zinc finger protein 511
41578	ENSG00000131178	KIF13B	39983	-0.08	protein_coding	13461011	13461011	replication factor 13 (beta/tau) 13, 38kDa
41592	ENSG00000171222	SCAND1	39997	-0.08	protein_coding	34541539	34547394	SCAN domain containing 1
41594	ENSG00000144591	GMPF1	39998	-0.08	protein_coding	22004669	22031710	GDP-mannose pyrophosphorylase A
41600	ENSG00000149743	GART	40009	-0.08	protein_coding	43991271	43991276	adenosine phosphotransferase 1
41621	ENSG00000159131	GART	40024	-0.08	protein_coding	43878238	43915797	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylglycinamide synthetase
41630	ENSG00000198487	TM2	40033	-0.08	protein_coding	35681989	35691077	phosphoribosylglycinamide synthetase
41656	ENSG00000197345	MRPL21	40059	-0.08	protein_coding	68887744	68887903	mitochondrial ribosomal protein L21
41669	ENSG00000198736	MFSD10	40074	-0.08	protein_coding	2522286	2523698	major facilitator superfamily domain containing 10
41676	ENSG00000191256	KIF14	40076	-0.08	protein_coding	11271481	11271487	kin II motif and actin repeat domain 2
41691	ENSG00000137106	GRPR	40094	-0.08	protein_coding	37432963	37436987	glyoxylate reductase/hydroxyproline reductase
41695	ENSG00000102145	SEC4	40097	-0.08	protein_coding	43953026	43971764	synectin 4
41700	ENSG00000105409	EF3A	40106	-0.08	protein_coding	10247102	10247174	brain acetone, 2-linked 4
41702	ENSG00000128463	EMC4	40107	-0.08	protein_coding	34527020	34522357	ER membrane protein complex subunit 4
41705	ENSG00000106903	UBCLN4	40109	-0.08	protein_coding	15600502	15623385	ubiquitin 4
41706	ENSG00000105299	CTNNA3	40108	-0.08	protein_coding	10591099	10591099	cytoskeleton protein 2
41712	ENSG00000185721	DRG1	40118	-0.08	protein_coding	31739509	31842426	developmentally regulated GTP binding protein 1
41716	ENSG00000101811	CFRP2	40121	-0.08				

42206	ENSG00000195312	NOM2	40871	-0.08	protein_coding	1	14927358	148900017		NCG2L modulator 1
42217	ENSG00000195298	PTEN1	40870	-0.08	protein_coding	11	11288188	11288188		protein tyrosine phosphatase, non-receptor type 11
42222	ENSG00000115207	GTFC3C	40869	-0.08	protein_coding	2	27548716	27578988		general transcription factor IIC, polycomb 2, beta 119kDa
42227	ENSG00000117891	NEF	40865	-0.08	protein_coding	2	21206229	212619714		neudens neurotrophic factor
42228	ENSG00000205208	CARD8	40102	-0.08	protein_coding	4	159697631	159697631		chromosome 4 open reading frame 46
42233	ENSG00000195346	GASL1	40101	-0.08	protein_coding	22	29176974	29176974		growth arrest-specific 2 like 1
42235	ENSG00000173141	MRRF3	40705	-0.08	protein_coding	13	21750784	21752323		mitochondrial ribosomal protein G3
42237	ENSG00000186247	NDPPE2	40716	-0.08	protein_coding	13	80052567	80178221		Neofol family interacting protein 2
42240	ENSG00000193273	MST2B	40715	-0.08	protein_coding	13	132220173	132220173		multicatalytic aminopeptidase protein 20A
42247	ENSG00000176218	CALR	40719	-0.08	protein_coding	19	13049592	13049593		calreticulin
42259	ENSG00000182656	MPSF12	40733	-0.08	protein_coding	19	39471198	39472602		mitochondrial ribosomal protein S12
42260	ENSG00000196161	CBR3	40732	-0.08	protein_coding	19	49433980	49490620		chromosome protein G
42269	ENSG00000104907	TRMT1	40745	-0.08	protein_coding	19	13215716	13222881		(RNA methyltransferase 1 homolog (S. cerevisiae)
42275	ENSG00000195930	ATP13A2	40756	-0.08	protein_coding	19	17172453	17338423		ATPase type 13A2
42284	ENSG00000100479	MARFS	40761	-0.08	protein_coding	19	17832661	17832661		microtubule-associated protein 1S
42288	ENSG00000153130	SIOC	40765	-0.08	protein_coding	4	14117840	14130680		short coiled-coil protein
42287	ENSG00000191520	UTP11L	40766	-0.08	protein_coding	14	39474930	39490498		UTP11-like, U3 small nuclear ribonucleoprotein, (yeast)
42288	ENSG00000191520	UTP11L	40766	-0.08	protein_coding	14	39873401	39895991		ubiquitin protein ligase E3 component n-recogin 7 (ubiquitin)
42311	ENSG00000147100	SLC16A2	40762	-0.08	protein_coding	8	73641085	73763752		solute carrier family 16, member 2 (thyroid hormone transporter)
42320	ENSG00000129422	MTUS1	40800	-0.08	protein_coding	8	17501304	17685826		microtubule associated tumor suppressor 1
42326	ENSG00000191775	CD329	40932	-0.08	protein_coding	19	76670013	76742003		19
42329	ENSG00000100954	SEC23A	40810	-0.08	protein_coding	14	39501123	39578850		Sec23 homolog A (S. cerevisiae)
42331	ENSG00000178202	KDEL2	40812	-0.08	protein_coding	11	108342632	108369159		KDEL-Lys-Asp-Glu-Leu containing 2
42335	ENSG00000101108	CDAP2	40819	-0.08	protein_coding	13	33202664	33202664		cholesterol-associated protein 2
42336	ENSG00000115546	PNO1	40819	-0.08	protein_coding	2	68384978	68403170		(partner of NCB1 homolog (S. cerevisiae)
42339	ENSG00000186197	NCLC1	40824	-0.08	protein_coding	10	103911933	103928227		nuclear and cell-body phosphoprotein 1
42340	ENSG00000191780	TAF13	40833	-0.08	protein_coding	1	109685108	109818824		TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 190kDa
42348	ENSG00000162483	PDPN	40838	-0.08	protein_coding	1	13099960	13844452		podoplanin
42366	ENSG00000143545	RAB13	40880	-0.08	protein_coding	1	153584127	153585634		RAB13, member RAS oncogene family
42371	ENSG00000106527	MBP1	40879	-0.08	protein_coding	10	76868106	76868106		myelin basic protein, neuron channel 2
42379	ENSG00000101107	PBPFF19	40872	-0.08	protein_coding	11	80858202	80874060		pre-mRNA processing factor 19
42400	ENSG00000112029	FBOX5	40892	-0.08	protein_coding	6	153291864	153304714		F-box protein 5
42413	ENSG00000145293	ENSO1	40911	-0.08	protein_coding	6	83351444	83351444		1
42416	ENSG00000104936	DMPK	40909	-0.08	protein_coding	19	46272975	46285810		dystrophin myotonia-protein kinase
42426	ENSG00000131294	SLC38A2	40925	-0.08	protein_coding	12	46719772	46766650		solute carrier family 38, member 2
42440	ENSG00000101036	SLC11B	41013	-0.08	protein_coding	12	11628186	11628186		nicotianin 1 (yeast)
42442	ENSG00000109354	GAR1	40938	-0.08	protein_coding	4	110736566	110745893		GAR1 ribonucleoprotein
42472	ENSG00000174307	PHLDA3	40970	-0.08	protein_coding	1	201434820	201434820		pleckstrin homology-like domain, family A, member 3
42488	ENSG00000136078	ADAM2	40970	-0.08	protein_coding	2	45484208	44497801		amyloid endocytosis-like 2
42510	ENSG00000142655	PEX14	41013	-0.08	protein_coding	1	10523445	10908183		peroxisomal biogenesis factor 14
42512	ENSG00000174586	MPS28	41014	-0.08	protein_coding	8	80830952	80842824		mitochondrial ribosomal protein S28
42514	ENSG00000106625	CBR3	41014	-0.08	protein_coding	19	2448105	2448105		chromatin RNA synthetase
42522	ENSG00000116455	WDR77	41025	-0.08	protein_coding	17	111982172	111991998		WD repeat domain 77
42530	ENSG00000111961	SASH1	41043	-0.08	protein_coding	6	14883440	148873186		SAM and SH3 domain containing 1
42540	ENSG00000186701	MKLD2	41055	-0.08	protein_coding	1	11742637	11751707		MAD2-related erect defect-like 2 (yeast)
42541	ENSG00000186701	CHAF1A	41055	-0.08	protein_coding	19	44029265	44120515		chromatin assembly factor 1, subunit A (CAF1)
42543	ENSG00000111802	TIMELESS	41061	-0.08	protein_coding	12	58811093	58843187		timeless circadian clock
42546	ENSG00000080596	PEPCK2	41074	-0.08	protein_coding	20	30532798	30532985		p53 and DNA-damage regulated 1
42557	ENSG00000141385	AF3C2	41076	-0.08	protein_coding	18	12329843	123737113		123737113 AAA/ATPase 2
42559	ENSG00000186026	RPL1	41076	-0.08	protein_coding	12	123965528	124011605		80S ribosomal protein L1
42561	ENSG00000132760	NCOA2	41076	-0.08	protein_coding	10	40049518	40049518		nucleolar autoantigenic sperm protein (nucleolar binding)
42564	ENSG00000205773	NCAPH2	41076	-0.08	protein_coding	22	80849645	80891162		non-SMC condensin II complex, subunit H2
42567	ENSG00000182704	TSKU	41082	-0.08	protein_coding	11	78443296	78509198		tsukushi, small leucine rich proteoglycan
42569	ENSG00000186400	PLSN1	41082	-0.08	protein_coding	3	89445261	89471594		protein B1
42574	ENSG00000118601	CLSTN1	41081	-0.08	protein_coding	9	8794088	8894848		clathrin 1
42576	ENSG00000142459	EVIL	41089	-0.08	protein_coding	19	7895119	7929882		ectopic viral integration site 5-like
42583	ENSG00000141971	MBE12A	41087	-0.08	protein_coding	19	17151931	17154533		multivesicular body subunit 12A
42586	ENSG00000186026	FKBP	41087	-0.08	protein_coding	10	27662167	27662167		FK506 binding protein
42590	ENSG00000187113	COQ4	41102	-0.08	protein_coding	9	13108415	13109631		coenzyme Q4
42595	ENSG00000124067	SLC12A4	41109	-0.08	protein_coding	16	67977377	68003304		solute carrier family 12 (potassium/chloride transporter), member 4
42597	ENSG00000101924	PCP2	41109	-0.08	protein_coding	1	14561144	14561144		calcium and potassium-activated specific factor 1, 100kDa
42622	ENSG00000184870	FAM219A	41140	-0.08	protein_coding	9	34388182	34388182		family with sequence similarity 219, member A
42630	ENSG00000173156	RHOJ	41147	-0.08	protein_coding	11	68824289	68839484		ras homology family member D
42636	ENSG00000186930	LARG	41147	-0.08	protein_coding	19	34398661	34398661		ras homology family member 3
42650	ENSG00000125867	NECA83	41177	-0.08	protein_coding	20	32244893	32262269		N-terminal EF-hand calcium binding protein
42653	ENSG00000154543	EHF4A3	41183	-0.08	protein_coding	17	78109113	78120182		eukaryotic translation initiation factor 4A3
42664	ENSG00000111548	PCP1	41189	-0.08	protein_coding	13	3647185	3647185		septic parapoxvirus (Troxer syndrome)
42668	ENSG00000183362	AP0A1BP	41190	-0.08	protein_coding	1	165681554	165664091		apolipoprotein A1 binding protein
42669	ENSG00000128273	CSD1	41191	-0.08	protein_coding	10	60028818	60049467		CSDH1 iron sulfur domain 1
42683	ENSG00000101230	SERP	41203	-0.08	protein_coding	8	10781208	10781208		serine cysteine binding protein homolog (Drosophila)
42684	ENSG00000188522	FAM35G	41203	-0.08	protein_coding	17	18272102	18272102		family with sequence similarity 83, member G
42685	ENSG00000175886	BANP2	41204	-0.08	protein_coding	17	78008948	78061321		BAN1-associated protein 2
42686	ENSG00000186583	MIR5E	41205	-0.08	protein_coding	1	100001093	100001093		microtubule cap-binding enzyme
42688	ENSG00000084764	MARPE3	41208	-0.08	protein_coding	2	27153480	27153480		microtubule-associated protein, RP/EB family, member 3
42689	ENSG00000191196	FBIK22	41208	-0.08	protein_coding	15	78198200	78227609		F-box protein 22
42690	ENSG00000106263	PCP1	41208	-0.08	protein_coding	13	2473088	2473088		myosin
42692	ENSG00000133065	SLC1A1	41210	-0.08	protein_coding	1	205788221	205788221		solute carrier family 41 (magnesium transporter), member 1
42693	ENSG00000191764	DMO1	41221	-0.08	protein_coding	11	11177868	111883308		DIK domain containing 1
42698	ENSG00000186701	ERLNB	41226	-0.08	protein_coding	19	4172326	4172326		AXL receptor tyrosine kinase
42699	ENSG00000149636	DSN1	41236	-0.08	protein_coding	20	35380194	35402121		DSN1, MS12 kinetochore complex component
42698	ENSG00000098308	TRAM2	41241	-0.08	protein_coding	10	82362200	82441713		eukaryotic translation initiation factor 4A3
42708	ENSG00000191564	TRAF1	41241	-0.08	protein_coding	14	55482409	55482409		WD repeat and RING-like DNA binding protein 14
42707	ENSG00000120539	MANT1	41250	-0.08	protein_coding	10	27443753	27445875		microtubule associated serine/threonine kinase-like
42718	ENSG00000186607	KAPAZL	41263	-0.08	protein_coding	2	11349300	113522254		cytoskeleton associated protein 2-like
42721	ENSG00000136881	LRRP	41265	-0.08	protein_coding	19	38660590	38660590		low density lipoprotein receptor-related protein 3
42752	ENSG00000111624	TENP3	41296	-0.08	protein_coding	19	30734028	30777756		H3C3-targeted (homolog Drosophila)
42757	ENSG00000102384	CENPF	41303	-0.08	protein_coding	X	10033178	100419870		centromere protein 1
42761	ENSG00000135065	FAM22C	41307	-0.08	protein_coding	17	2706298	27142250		family with sequence similarity 222, member B
42779	ENSG00000098303	FAT2	41307	-0.08	protein_coding	17	87878893	8787876		fat2, cell surface cadherin 1
42780	ENSG00000150403	TMCO3	41329	-0.08	protein_coding	13	11414510	11420452		transmembrane and coiled-coil domains 3
42782	ENSG00000186184	POT1HG3	41332	-0.08	protein_coding	5	44965590	44965590		protocadherin subclass cadherin C, 3
42787	ENSG00000191815	RPLP0	41341	-0.08	protein_coding	16	41776781	41776781		Rpl1, Pol1/RNA polymerase II complex component, homolog (S. cerevisiae)
42790	ENSG00000186140	VASN	41343	-0.08	protein_coding	16	4423849	4433529		vasinin
42800	ENSG00000171885	RNASEH1	41349	-0.08	protein_coding	2	3592383	3602026		ribonuclease H1
42803	ENSG00000111445	RNASEH2B	41349	-0.08	protein_coding	12	118461983	118478126		ribonuclease H2 (catalytic) 11, 36 kDa
42808	ENSG00000202705	C14orf132	41354	-0.08	protein_coding	14	98555661	98560147		chromosome 14 open reading frame 132
42807	ENSG00000191920	BAG3	41356	-0.08	protein_coding	10	12141082	12143731		BCL2-associated athanogene 3
42814	ENSG00000191100	SFRP3	41370	-0.08	protein_coding	17	74372665	74372665		Wnt signaling inhibitor 3
42823	ENSG00000127220	ABHD8	41376	-0.08	protein_coding	19	17402940	17421045		abhydrolase domain containing 8
42825	ENSG00000109881	CDC3C4	41377	-0.08	protein_coding	11	2735241	2738415		coiled-coil domain containing 34
42834	ENSG00000144921	CDK13	41379	-0.08	protein_coding	4	13623428	13623428		cyclin dependent kinase 13
42835	ENSG00000136270	TBRG4	41387	-0.08	protein_coding	7	45138699	45151846		transforming growth factor beta regulator 4

40972	ENS00000075223	SEMA3C	41638.9	-0.08	protein_coding	7	80371854	80551675	sema domain, immunoglobulin domain (lg), short basic domain, secreted, (semaphorin) 3C
40973	ENS00000010671	EPHA2	41640.9	-0.08	protein_coding	1	14448368	14448368	164917_receptor_2
40980	ENS000000180190	TDRP	41662	-0.08	protein_coding	8	438083	495781	testis development related protein
40982	ENS000000161882	FAM117A2	41664.9	-0.08	protein_coding	17	42430583	42441243	family with sequence similarity 171, member A2
40983	ENS000000186480	INGRT1	41665	-0.08	protein_coding	6	15509848	15510149	insulin induced gene 1
40984	ENS000000104520	PCD1	41669.6	-0.08	protein_coding	8	14469763	144691843	pyruvate-5-carboxylase reductase-like
40985	ENS000000138856	SLC2A8	41680	-0.08	protein_coding	1	130159421	130170703	solute carrier family 2 (facilitated glucose transporter), member 8
41112	ENS00000016711	GACSD4A	41686.6	-0.08	protein_coding	6	68150744	68154021	growth arrest and DNA-damage-inducible, alpha
41122	ENS000000106222	LMNB1	41712.2	-0.08	protein_coding	19	50881648	50891273	polymerase (DNA directed), delta 1, catalytic subunit
41125	ENS000000064042	LINC01	41712.2	-0.08	protein_coding	13	103451389	103459885	basic, immunoglobulin-like variable motif containing
41126	ENS000000103912	TURC2	41712.2	-0.08	protein_coding	17	41541624	41542061	LIM and cadherin homology domains 1
41137	ENS000000106738	GLRB	41712.2	-0.08	protein_coding	4	48911933	48916688	Blood, group 2
41140	ENS000000115107	STEA3P	41721.1	-0.08	protein_coding	2	119991384	120022228	glycine receptor, beta
41146	ENS000000103814	SLC38A14	41731.4	-0.08	protein_coding	8	22291872	22291872	STEAP family member 3, metalloprotease
41153	ENS000000101464	PIGGI	41737	-0.08	protein_coding	20	3314834	33284910	solute carrier family 39 (carnitine transporter), member 14
41154	ENS000000101350	KIF3B	41740	-0.08	protein_coding	20	30985467	30992214	phosphotyrosinoid glycan anchor biosynthes, class U
41156	ENS000000102481	PPP1R13L	41743.9	-0.08	protein_coding	19	45892862	45909607	kinase family member 38
41159	ENS000000132563	REEP2	41750.6	-0.08	protein_coding	5	13774706	137762658	protein phosphatase 1, regulatory subunit 13 like
41161	ENS000000130810	PPAN	41754.1	-0.08	protein_coding	19	10211095	10225414	receptor accessory protein 2
41164	ENS000000103918	USP2E	41754.8	-0.08	protein_coding	4	3956135	39572931	patzer gene homolog (Drosophila)
41178	ENS000000146072	TNFRSF21	41776.4	-0.08	protein_coding	6	47196208	47277841	IGF-1 receptor tyrosine kinase
41183	ENS000000184436	THAP7	41782.6	-0.08	protein_coding	22	21333393	21356485	tumor necrosis factor receptor superfamily, member 21
41184	ENS000000102466	NR1C4	41783	-0.08	protein_coding	17	78252913	78215466	THAP domain containing 7
41185	ENS000000112655	PIK7	41783.5	-0.08	protein_coding	6	4304406	43129457	nuclear pore localization 4 homolog (S. cerevisiae)
41192	ENS000000165556	MERC2	41792	-0.08	protein_coding	19	30575	344798	protein tyrosine kinase 7
41194	ENS000000194453	ZNF777	41796.1	-0.08	protein_coding	19	148104654	148118214	mesoderm induction early response 1, family member 2
42003	ENS000000188886	POU7F2	41802.1	-0.08	protein_coding	21	46683843	46707813	protein O-acyltransferase 2
42171	ENS000000198601	PRC1	41820.9	-0.08	protein_coding	15	91562270	91588859	protein regulator of cytokinesis 1
42174	ENS000000106288	PPP1R12L	41821.1	-0.08	protein_coding	15	8626184	8626184	breast cancer metastasis 1
42224	ENS000000103452	MDK	41827	-0.08	protein_coding	11	46402306	46405375	midkine (neurite growth-promoting factor 2)
42226	ENS000000112208	BAG2	41829.1	-0.08	protein_coding	6	57071724	57054531	BCL-2-associated athanogene 2
42228	ENS000000102525	NRXN11	41829.2	-0.08	protein_coding	16	160881161	160881172	beta-1,3-N-acetylglucosaminyltransferase 1
42343	ENS000000198431	TNFRD1	41852.2	-0.08	protein_coding	12	10409957	104744001	thiosulfate reductase 1
42346	ENS000000102357	SLC7A5	41862.3	-0.08	protein_coding	16	87863629	87900394	solute carrier family 7 (amino acid transporter light chain, L system), member 5
42350	ENS00000011988	SLC22A1	41862.3	-0.08	protein_coding	11	116511733	116511733	chromosome 19 open reading frame 47
42356	ENS000000165032	C10orf47	41872.8	-0.08	protein_coding	19	40825443	40854434	X-ray repair complementing defective repair in Chinese hamster cells 2
42361	ENS000000196584	KXRC2	41884.6	-0.08	protein_coding	7	152341864	152373250	collet-coil helix-coiled coil domain containing 8
42365	ENS000000106585	USP28	41890.8	-0.08	protein_coding	3	1284108	1284108	ubiquitin folding cofactor 5
42371	ENS000000116957	TYCE	41903.6	-0.08	protein_coding	1	23553075	23551283	ubiquitin folding cofactor 5
42374	ENS000000186073	GPR176	41907	-0.08	protein_coding	15	40992233	40213983	ring finger protein 176
42381	ENS000000106668	USP26	41912.4	-0.08	protein_coding	13	737018	737018	CAP-CLY domain containing linker protein 2
42384	ENS000000170153	RMF15	41921.8	-0.08	protein_coding	4	141789101	142134031	ring finger protein 150
42389	ENS000000183814	LIN9	41926.9	-0.08	protein_coding	1	228418850	228497870	lin-9 homolog (C. elegans)
42392	ENS000000165569	NPR1A4	41931.6	-0.08	protein_coding	14	248404879	248404879	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4
42390	ENS000000195920	LYPD1	41931.6	-0.08	protein_coding	14	133462426	133429152	zinc finger protein 777
43301	ENS000000166483	WEE1	41949.8	-0.08	protein_coding	11	8552228	8615004	WEE1 G2 checkpoint kinase
43307	ENS000000115963	RND3	41952.6	-0.08	protein_coding	2	151364769	151395259	Rho family G12ase 3
43308	ENS000000106631	NUS18B	41952.6	-0.08	protein_coding	13	131789979	131789979	nucleosome 188kDa
43310	ENS000000198008	BHLH9	41954.7	-0.08	protein_coding	X	110197516	110200468	basic helix-loop-helix domain containing, class B, 9
43312	ENS000000170264	FAM187A	41955.4	-0.08	protein_coding	2	64051989	62081278	family with sequence similarity 161, member A
43314	ENS000000106530	PKR1	41956.2	-0.08	protein_coding	16	144542421	144542421	zinc finger protein 532
43317	ENS000000070761	C16orf90	41963.4	-0.08	protein_coding	18	58147496	58133354	chromosome 16 open reading frame 80
43321	ENS000000182013	PNMAL1	41969.9	-0.08	protein_coding	19	46991748	46974820	paraneoplastic Ma antigen family-like 1
43326	ENS000000103446	NR1H3	41978.4	-0.08	protein_coding	10	5450144	5450144	neuroepitaxial cell transforming 1
43332	ENS000000175975	MKRN2	41984.8	-0.08	protein_coding	3	12589513	12625212	markovink ring finger protein 2
43334	ENS000000104657	TNR332	41985.8	-0.08	protein_coding	18	90528922	90535712	zinc finger protein 532
43341	ENS000000103156	SPRY2	41992.2	-0.08	protein_coding	18	80910111	80910688	sprouty homology 2 (Drosophila)
43342	ENS000000151673	ZNF816	41993.1	-0.08	protein_coding	9	116638562	116818871	zinc finger protein 816
43343	ENS000000189963	DPH1	41995.7	-0.08	protein_coding	17	1935304	19361524	diphthamide biosynthes 1
43345	ENS000000106528	MCEK1	41995.7	-0.08	protein_coding	17	2951965	2951965	mitochondrial trans-2-oxoglutarate reductase
43349	ENS000000088365	SCAMP1	42004.2	-0.08	protein_coding	5	77685239	77768282	secretory carrier membrane protein 1
43352	ENS000000196368	NUDT11	42006.4	-0.08	protein_coding	X	51232863	51239448	nudix (nucleoside diphosphate linked moiety X)-type motif 11
43356	ENS000000104533	WRDF1	42012.1	-0.08	protein_coding	4	2786124	2786124	Warner helicase interacting protein 1
43360	ENS000000189227	C16orf61	42012.4	-0.08	protein_coding	15	67814928	67814928	chromosome 16 open reading frame 61
43362	ENS000000079156	OSBP1L	42018.2	-0.08	protein_coding	2	17609528	176204160	oxysterol binding protein-like 6
43364	ENS000000102173	FBXW2	42018.2	-0.08	protein_coding	17	81124313	81124317	F-box protein 2
43365	ENS000000139438	FAM222A	42023.9	-0.08	protein_coding	12	10103203	11200312	family with sequence similarity 222, member A
43366	ENS000000127264	PKMYT1	42029	-0.08	protein_coding	16	3018025	3030540	protein kinase, membrane associated tyrosine/threonine 1
43368	ENS000000106592	FBXW1	42029.8	-0.08	protein_coding	17	81188270	81192407	F-box protein 1 (F-box)
43373	ENS000000149657	LSM14B	42032.8	-0.08	protein_coding	10	8095710	8095710	LSM14B, SC35 homolog B (S. cerevisiae)
43384	ENS000000115966	MAMKB	42048.7	-0.08	protein_coding	2	39474607	39464443	mitogen-activated protein kinase kinase kinase 3
43388	ENS000000103917	COPBP	42048.7	-0.08	protein_coding	19	4566169	4566169	COPII molecule, cytoskeleton associated protein
43388	ENS000000143061	IGSF1	42048.8	-0.08	protein_coding	1	117110351	117110375	immunoglobulin superfamily, member 3
43388	ENS0000000294348	DIX9	42065.3	-0.08	protein_coding	6	11959787	13140069	decapicapping exonuclease
43389	ENS000000106528	SCOX2	42065.3	-0.08	protein_coding	16	7031281	7031281	SRY (sex determining) region Y-box 9
43400	ENS000000177426	TGFB1	42066.3	-0.08	protein_coding	1	3411606	3458409	TGF-beta-inducing factor homeobox 1
43404	ENS000000114999	TTL	42077.4	-0.08	protein_coding	2	11322897	11329916	tubulin tyrosine ligase
43405	ENS000000101778	BMS1	42077.4	-0.08	protein_coding	10	8851367	8851367	bone morphogenetic protein receptor, type IA
43417	ENS000000128602	SMO	42078.5	-0.08	protein_coding	7	12885713	12885338	smoothed, fused family receptor
43420	ENS000000135448	ITGAV	42080.1	-0.08	protein_coding	2	18745762	18754528	integrin, alpha V
43423	ENS00000017680	FZ2	42102.3	-0.08	protein_coding	12	5431708	5431708	4-oxoacyl-CoA thioesterase 3
43423	ENS000000139685	FGF2	42104.4	-0.08	protein_coding	4	12374783	123819391	fibroblast growth factor 2 (basic)
43425	ENS000000071133	RPRSKA6	42105	-0.08	protein_coding	X	8331884	83424203	ribosomal protein S6 kinase, 90kDa, polypeptide 6
43427	ENS000000101544	ADNP2	42106	-0.08	protein_coding	18	7786439	7786439	ADNP homeobox 2
43428	ENS000000117936	IKC4C	42107.2	-0.08	protein_coding	8	9421942	9421708	breast cancer, anti-estrogen resistance 3
43429	ENS000000131773	KHDRBS3	42105	-0.08	protein_coding	8	13846970	138468985	KOH domain containing, RNA binding, signal transduction associated 3
43431	ENS000000186409	PKNA2	42107.3	-0.08	protein_coding	1	9711099	9718108	protein kinase, AMP-activated, alpha 2 catalytic subunit
43431	ENS000000186433	NEVL	42107.3	-0.08	protein_coding	11	19312211	20143144	nuclear kinase, serine/threonine 2
43438	ENS000000186483	IRX1	42113.3	-0.08	protein_coding	9	131937835	131940540	immediate early response 5-like
43442	ENS000000127586	GTF1B	42113.6	-0.08	protein_coding	16	840648	8507148	CTIFB, chromosome transmission factor 18 homolog (S. cerevisiae)
43442	ENS000000106214	NUDT12	42113.6	-0.08	protein_coding	14	4520184	4520184	nucleoside diphosphate linked moiety X-type motif 12
43446	ENS000000112874	NUDT12	42120.7	-0.08	protein_coding	5	10288456	10288894	nucleoside diphosphate linked moiety X-type motif 12
43450	ENS000000189213	RANB8	42128.6	-0.08	protein_coding	1	5273208	5284848	RANB8, member RAN oncogene family 1
43452	ENS000000104447	PRN1	42128.6	-0.08	protein_coding	1	131464862	131464862</	

Gene ID	Gene Name	Coordinates (chr:pos)	Strand	Gene Type	Start	End	Description	
43726	ENSG00000203993	C8orf7	42511 3	-0.08	protein_coding	14059784	140513358	chromosome 9 open reading frame 37
43728	ENSG00000205069	MANKL	42501 3	-0.08	protein_coding	3232400	3838600	menkesin and/or alpha-like
43738	ENSG00000189908	MAT2A	42534 8	-0.08	protein_coding	8574628	85727403	methionine adenosyltransferase II, alpha
43737	ENSG00000171574	ZNF584	42567 5	-0.08	protein_coding	58912871	58926094	zinc finger protein 584
43759	ENSG00000209726	MEIR	42570 1	-0.08	protein_coding	15600482	156051789	mea3 RNA binding family member A
43760	ENSG00000111310	PMR1A	42571 6	-0.08	protein_coding	32037752	32046063	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 1H
43761	ENSG00000218336	TENM3	42572 8	-0.08	protein_coding	183065140	183172477	tenascin transmembrane protein 3
43762	ENSG00000134586	GULP1	42572 8	-0.08	protein_coding	189156396	189400653	GULP1, engulfment adaptor FTIB domain containing 1
43771	ENSG00000186680	FMR1A	42573 6	-0.08	protein_coding	93062609	30063600	protein phosphatase, Mg ²⁺ /Mn ²⁺ -dependent, 1H
43772	ENSG00000135591	ARM3C	42581 7	-0.08	protein_coding	232063260	232239548	armadillo repeat containing 9
43791	ENSG00000184286	ZBTB12	42610 4	-0.08	protein_coding	61861384	31869768	zinc finger and BTB domain containing 12
43792	ENSG00000136254	FRS3	42611 3	-0.08	protein_coding	184849969	184859828	growth arrest-specific 2 like 3
43799	ENSG00000189916	EZF2	42625 2	-0.08	protein_coding	211584501	11068287	EZF transcription factor 6
43804	ENSG00000103761	HMG3	42634 5	-0.08	protein_coding	14837684	14839286	HMG box domain containing 3
43810	ENSG00000102100	SLC3A2	42642 8	-0.08	protein_coding	48740459	48789235	solute carrier family 35 (ELP-galactose transporter), member A2
43820	ENSG00000099381	SETD1A	42693 8	-0.08	protein_coding	30089115	30094637	SET domain containing 1A
43824	ENSG00000142421	PSBP1	42973 1	-0.08	protein_coding	30265023	10982608	PSBP1 domain containing 1
43828	ENSG00000143067	ZNF697	42975 9	-0.08	protein_coding	12014605	12019036	zinc finger protein 697
43827	ENSG00000162895	EGALN2	42976 4	-0.08	protein_coding	235613228	235667781	beta-1,3-N-acetylglucosaminyltransferase 2
43837	ENSG00000121929	CSDE4	42997 7	-0.08	protein_coding	119821105	119827104	chromosome 5 open reading frame 54
43859	ENSG00000173960	UBXN2A	42978 4	-0.08	protein_coding	24150155	24227779	UBX domain protein 2A
43860	ENSG00000134253	TRM45	42977 9	-0.08	protein_coding	117953682	117985209	transfer methyl containing 45
43865	ENSG00000169884	GLTSD1	42731 5	-0.08	protein_coding	52728925	52740048	glutathione transferase II domain containing 1
43921	ENSG00000182224	CYB5D4	42831 8	-0.08	protein_coding	7781064	7785600	cytochrome b5 domain containing 1
43975	ENSG00000098739	BMMI	42805 4	-0.08	protein_coding	28968271	28971888	BMP and activin membrane-bound inhibitor
43980	ENSG00000166865	RCCD1	42892 9	-0.08	protein_coding	19256203	19258349	RCC1 domain containing 1
44001	ENSG00000187378	IRGQ	42843 3	-0.08	transcribed_processed_pseudo_gene	44088821	44100287	immunolytic GTPase family, Q
39960	ENSG00000127589		38263 9	-0.08	transcribed_processed_pseudo_gene	30209389	30211034	tubulin, beta pseudogene 1
41415	ENSG00000213753	CENPD1P1	39818 1	-0.08	transcribed_processed_pseudo_gene	59084070	59111168	CENPD1 pseudogene 1
38161	ENSG00000204076		34278 1	-0.08	protein_coding			
39494	ENSG00000200290		37724 8	-0.08	protein_coding			
40403	ENSG00000232320		38960 8	-0.08	protein_coding			
40984	ENSG00000133833		41885 9	-0.08	protein_coding			
41673	ENSG00000204411		40577 3	-0.08	protein_coding			
41888	ENSG00000189745	MRFSP21	40326 2	-0.08	protein_coding	150268289	150281414	mitochondrial ribosomal protein S21
42684	ENSG00000207271	BOP1	41885 9	-0.08	protein_coding	14548695	145519082	block of proliferation 1
42985	ENSG00000229818		41922 8	-0.08	protein_coding			
42871	ENSG00000265888	MFGA5A1	42749 7	-0.09	antisense	78885705	78888828	MFG5 antisense RNA 1 (head to head)
42872	ENSG00000265892	EPFB1LAAS1	42749 7	-0.09	antisense	11148229	11149973	EPFB1LA antisense RNA 1
43168	ENSG00000148320		41762 1	-0.09	processed_pseudogene	14403084	140030528	protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 3
43166	ENSG00000205532		41762 1	-0.09	processed_pseudogene	44621430	44622518	myosin phosphatase Rho interacting protein pseudogene 1
43264	ENSG00000203966		41972 4	-0.09	processed_pseudogene	6556844	65569661	phosphotyrosine-binding protein 1 pseudogene 2
43492	ENSG00000214455		42181 8	-0.09	processed_pseudogene	17607578	17607578	ubiquitin-conjugating enzyme E2S pseudogene 1
43986	ENSG00000203704		42181 8	-0.09	processed_pseudogene	45994488	45995402	reticulocalbin 1, EF-hand calcium binding domain pseudogene 2
45458	ENSG00000184418	XRCC6	33593 9	-0.09	protein_coding	32748181	32748623	zinc and ring finger 2 pseudogene 1
35588	ENSG00000106153	CHCHD2	33596 3	-0.09	protein_coding	42071123	42071123	X-ray repair complement defective repair in Chinese hamster cells 6
35811	ENSG00000196962	EFH	33547 6	-0.09	protein_coding	6118262	60718496	coiled-coil helix-coiled-coil helix domain containing 2
37812	ENSG00000192268	RAC1	35419 4	-0.09	protein_coding	6414154	6414154	rac-related C3 botulinum toxin substrate 1 (the family, small GTP binding protein Rac1)
37940	ENSG00000101182	PSMA7	36094 2	-0.09	protein_coding	60711791	60718496	proteasome (prosome, macropain) subunit, alpha type, 7
38126	ENSG00000175334	BANP1	36280 2	-0.09	protein_coding	65746559	65711620	barrier to autophagosome formation 1
38266	ENSG00000142501	PSM2	36919 9	-0.09	protein_coding	4998149	47810268	proteasome (prosome, macropain) subunit, beta type, 6
38714	ENSG00000068897	LAPTM3A	36713 9	-0.09	protein_coding	20232411	20251789	lysosomal protein transmembrane 4 alpha
38877	ENSG00000132612	VPSA4	37091 7	-0.09	protein_coding	68342599	68349589	vacuolar protein sorting 4 homolog A (S. cerevisiae)
38973	ENSG00000181263	ARPC2	37543 9	-0.09	protein_coding	183862417	183862417	actin-related protein complex 2, non-1 subunit
38971	ENSG00000188356	ASNA1	37602 2	-0.09	protein_coding	12847953	12849137	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)
38449	ENSG00000126987	PSMB2	37680 4	-0.09	protein_coding	39087185	38107445	proteasome (prosome, macropain) subunit, beta type, 2
40494	ENSG00000181726	ARPC11	37602 2	-0.09	protein_coding	618361493	618361493	actin-related protein complex 2, non-1 subunit
38712	ENSG00000143761	ARF1	37851 2	-0.09	protein_coding	228270381	22828912	ADP-ribosylation factor 1
39973	ENSG00000105991	AHSA1	38251 3	-0.09	protein_coding	77924213	77935817	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)
40001	ENSG00000104963	NDC80	38833 3	-0.09	protein_coding	49133365	49142653	glutamine synthetase
40059	ENSG00000100243	CYB5D3	38334 3	-0.09	protein_coding	43013846	43045574	cytochrome b5 reductase 3
40094	ENSG00000192874	CUEDC2	38378 2	-0.09	protein_coding	104183002	104192418	CUE domain containing 2
40228	ENSG00000148901	TMEM71	39007 1	-0.09	protein_coding	5007714	5007714	transmembrane 71 domain containing 1
40414	ENSG00000138343	SMRPF	38707 4	-0.09	protein_coding	96252706	96267066	small nuclear ribonucleoprotein polypeptide F
40438	ENSG00000148792	MPLP49	38731 3	-0.09	protein_coding	64889655	64894843	mitochondrial ribosomal protein L49
40481	ENSG00000140438	ATP5G1	38764 1	-0.09	protein_coding	18010389	18010389	ATPase 5, mitochondrial
40502	ENSG00000138628	EPRS	38796 6	-0.09	protein_coding	220141943	220120000	glutamylyl-prolyl-RNA synthetase
40504	ENSG00000186291	PDHB	38800 2	-0.09	protein_coding	58413357	58419084	pyruvate dehydrogenase (lipoylase) beta
40504	ENSG00000186292	NDC80L	38833 3	-0.09	protein_coding	181138459	181138459	NADH dehydrogenase (ubiquinone) S protein 2, (beta) (NADH-coenzyme Q reductase)
40598	ENSG00000118483	TMEM14C	38992 2	-0.09	protein_coding	10723148	10731382	transmembrane protein 14C
40602	ENSG00000098831	ADIPOR2	38914 9	-0.09	protein_coding	17974760	18679874	adiponectin receptor 2
40713	ENSG00000184683	WDR5	38914 9	-0.09	protein_coding	14828128	14828128	WW domain binding protein 11
40798	ENSG00000093245	EPN1	39142 6	-0.09	protein_coding	98168592	98221224	epsin
40824	ENSG00000178980	SEPP1	39164 2	-0.09	protein_coding	48281829	48287943	protein W, 1
40833	ENSG00000142581	HSPB1	39165 2	-0.09	protein_coding	19833261	19833261	heat shock 82kDa protein 1 (chaperone)
40885	ENSG00000115533	ATP8A1	39223 7	-0.09	protein_coding	15359979	153594892	ATPase, H ⁺ transporting, lysosomal, accessory protein 1
40903	ENSG00000134440	NSR2	39247 8	-0.09	protein_coding	55267888	55289445	asparaginyl-RNA synthetase
40928	ENSG00000171221	NDC91	39258 1	-0.09	protein_coding	47005197	47005197	NADH dehydrogenase (ubiquinone) beta subunit, ATPase, 8
40978	ENSG00000213593	TMX2	39255 1	-0.09	protein_coding	57480072	57509445	threonine-related transmembrane protein 2
40993	ENSG00000152032	METZB	39244 9	-0.09	protein_coding	130939310	130948302	mitotic spindle organizing protein 2B
40998	ENSG00000109211	HSPB1	39250 2	-0.09	protein_coding	75911981	75913032	heat shock 72kDa protein 1
41008	ENSG00000089914	FOXA1	39262 6	-0.09	protein_coding	54019458	54019458	hepatocyte nuclear factor 1
41018	ENSG00000174800	TEN1	39269 1	-0.09	protein_coding	8421101	84233308	elastase 1, (alpha)
41035	ENSG00000185202	ITLN1	39288 4	-0.09	protein_coding	40325098	40337664	fibronectin
41045	ENSG00000181789	COPG1	39400 4	-0.09	protein_coding	128984849	128996114	coatomer protein complex, subunit gamma 1
41050	ENSG00000185355	PLIN3	39408 1	-0.09	protein_coding	48388353	48397780	perilipin 3
41085	ENSG00000095148	PMPF1	39425 1	-0.09	protein_coding	139143176	139145688	phosphoenolpyruvate phosphatase 1
41072	ENSG00000178886	TYMS	39438 1	-0.09	protein_coding	837048	837048	thymine synthase
41080	ENSG00000131828	PDHA1	39438 1	-0.09	protein_coding	19582011	19579823	pyruvate dehydrogenase (lipoylase) alpha 1
41119	ENSG00000099795	NUPB	39470 3	-0.09	protein_coding	14078999	14082874	NADH dehydrogenase (ubiquinone) F1 subcomplex, delta subunit
41211	ENSG00000143261	ATP5D	39683 8	-0.09	protein_coding	12474749	1244834	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, delta subunit
41230	ENSG00000101361	NUPB	39681 1	-0.09	protein_coding	26237291	2623920	NUPB ribonucleoprotein
41244	ENSG00000102178	NRFX	39610 1	-0.09	protein_coding	153712599	153715044	retinoid-inducible factor 4A
41265	ENSG00000101856	PGRMC1	39631 8	-0.09	protein_coding	118370216	118378429	progesterone receptor membrane component 1
41282	ENSG00000181824	CGA	39647 9	-0.09	protein_coding	75383712	75388033	cytochrome c oxidase assembly factor 1 homolog (S. cerevisiae)
41286	ENSG00000142992	SCYL2	39658 2	-0.09	protein_coding	20712627	20713267	solute carrier family 1, cytoplasmic A, cation/proton antiporter, 3, regulator 2
41320	ENSG00000120437	ACAT2	39704 2	-0.09	protein_coding	616018180	616018180	acyl-CoA acyltransferase 2
41332	ENSG00000133935	KIF47	39716 6	-0.09	protein_coding	76116134	76127532	chromosome 14 open reading frame 14
41365	ENSG00000205371	AKO1	39734 9	-0.09	protein_coding	19637929	19637929	aldo-keto reductase family 1, member A (aldolase polypeptide reductase)
41367	ENSG00000182534	MKRA7</						

41217	ENSG00000184331	APOC	40630	-0.09	protein_coding	3	23851740	23925207	apolipoprotein D
41218	ENSG00000185523	NID1	40630	-0.09	protein_coding	4	85326374	85326374	nuclei (nucleoside diphosphate linked moiety X) type motif 9
42226	ENSG00000124767	GLI1	40692	-0.09	protein_coding	6	38643701	38643701	gliovastase 1
42236	ENSG00000112651	MPLR2	40708	-0.09	protein_coding	6	43021767	43021767	mitochondrial ribosomal protein L2
42238	ENSG00000195258	POLR2I	40730	-0.09	protein_coding	19	36604467	36604467	polymerase (RNA) II (DNA directed) polypeptide 1.14 50kb
42258	ENSG00000139133	ST1L2A	40732	-0.09	protein_coding	11	125481607	125481607	ST1L2A, subunit of the oligosaccharyl transferase complex (catalytic)
42260	ENSG00000146670	CDCA5	40738	-0.09	protein_coding	11	64833772	64833772	cell division cycle associated 5
42271	ENSG00000195252	GNPNA1	40751	-0.09	protein_coding	14	52419142	52426386	glucosamine phosphate N-acetyltransferase 1
42272	ENSG00000195431	IMPAD1	40753	-0.09	protein_coding	16	57832652	57832652	insectal morphogenesis domain containing 13
42274	ENSG00000195278	POLR2C	40756	-0.09	protein_coding	16	57495922	57495922	polymerase (RNA) II (DNA directed) polypeptide C, 33kDa
42282	ENSG00000126261	UBA2	40762	-0.09	protein_coding	19	34912527	34916083	ubiquitin-like modifier activating enzyme 2
42283	ENSG00000191083	ANXA8	40763	-0.09	protein_coding	20	34584380	34584380	ANXA8, annexin homologue 8 (S. cerevisiae)
42293	ENSG00000130312	MPLP34	40780	-0.09	protein_coding	19	17403418	17417662	mitochondrial ribosomal protein L34
42321	ENSG00000082941	NF-E2L1	40807	-0.09	protein_coding	17	46125891	46138849	nuclear factor, erythroid 2-like 1
42336	ENSG00000111247	RAD51AP1	40832	-0.09	protein_coding	12	684299	684299	chromosome 16 open reading frame 13
42369	ENSG00000114833	ZBTB47	40857	-0.09	protein_coding	3	42695176	42719072	zinc finger and BTB domain containing 47
42374	ENSG00000102564	HBPBP	40920	-0.09	protein_coding	8	16801466	16809537	histone H4 acetyltransferase 1
42412	ENSG00000136848	DAB2IP	40927	-0.09	protein_coding	9	124329336	124347809	DAB2 interacting protein
42451	ENSG00000165916	PSM2C	40946	-0.09	protein_coding	11	47410320	47447363	proteasome (prosome, macropain) 20S subunit, ATPase, 3
42456	ENSG00000195207	TCFC3L3	40993	-0.09	protein_coding	8	102692319	102694618	transcription elongation factor A (SII) like 3
42458	ENSG00000203989	HBP1	40997	-0.09	protein_coding	16	83841448	83853342	heat shock cognate binding protein 1
42457	ENSG00000137309	HMGAT1	40992	-0.09	protein_coding	6	34204850	34214038	high mobility group AT-hook 1
42458	ENSG00000006953	ISOC1	40993	-0.09	protein_coding	5	12843444	12844971	isochoresin domain containing 1
42459	ENSG00000203485	INF2	40954	-0.09	protein_coding	14	105155843	105185842	inverted form, FH2 and WH2 domain containing
42465	ENSG00000145990	NDFE10	40980	-0.09	protein_coding	16	2029599	2011978	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa
42468	ENSG00000104574	HSPR1	40986	-0.09	protein_coding	9	122987152	122930608	heat shock 70kDa protein 5, glucose-regulated protein, 70kDa
42502	ENSG00000132681	NKX1	41063	-0.09	protein_coding	20	23331373	23335414	NTF2-like export factor 1
42508	ENSG00000136982	DISC1	41013	-0.09	protein_coding	8	120846216	120888260	DNA replication and sister chromatid cohesion 1
42528	ENSG00000102651	GLT3L	41016	-0.09	protein_coding	10	10111106	10111106	glutamic carboxylase transmembrane protein 1, soluble
42531	ENSG00000138160	KIF11	41044	-0.09	protein_coding	10	94353043	94415150	kineston family member 11
42533	ENSG00000168458	INPPL1	41046	-0.09	protein_coding	11	71947445	71950149	inositol polyphosphate phosphatase-like 1
42534	ENSG00000185661	CRP	41049	-0.09	protein_coding	11	5336120	5336120	complement component 1, C-reactive protein binding protein
42538	ENSG00000197193	CRK	41049	-0.09	protein_coding	17	1323983	1366456	v-src avian sarcoma virus C110 oncogene homolog
42539	ENSG00000101057	MYBL2	41054	-0.09	protein_coding	20	42295754	42345136	myb-like protein 2, v-src avian myeloblastosis viral oncogene homolog-like 2
42541	ENSG00000185671	PRKRA	41057	-0.09	protein_coding	30	30717328	30912534	proteasome (prosome, macropain) 20S subunit, ATPase, 11
42562	ENSG00000148337	CIZ1	41076	-0.09	protein_coding	9	130092843	130066602	CDKN1A interacting zinc finger protein 1
42577	ENSG00000168304	ZNF219	41092	-0.09	protein_coding	14	21554625	21572881	zinc finger protein 219
42579	ENSG00000130403	SNX8	41096	-0.09	protein_coding	17	384437	384437	catenin cycle 8
42581	ENSG00000130340	SNX9	41096	-0.09	protein_coding	6	15824296	158366109	sorting nexin 9
42582	ENSG00000099988	CECR5	41098	-0.09	protein_coding	22	17818401	17848177	cat eye syndrome chromosome region, candidate 5
42583	ENSG00000099926	CECR6	41098	-0.09	protein_coding	11	2373980	2373980	ArfGAP with SH3 domain, arylsulfatase and PH domain 3
42586	ENSG00000128944	KNSTRN	41159	-0.09	protein_coding	15	40674922	40698447	kinetochore-localized amino-SPAG5 binding protein
42582	ENSG00000123485	HJURP	41162	-0.09	protein_coding	2	23474262	23478212	Holliday junction recognition protein
42585	ENSG00000168268	CCCTC17	41169	-0.09	protein_coding	3	50715172	5272608	guanine nucleotide binding protein-like 3 (nuclear)
42589	ENSG00000185298	CCCTC17	41169	-0.09	protein_coding	17	78633384	78633384	coiled-coil domain containing 17
42584	ENSG00000099800	TMM13	41226	-0.09	protein_coding	19	2425622	2427882	translocase of inner mitochondrial membrane 13 homolog (yeast)
42584	ENSG00000127445	FIN1	41236	-0.09	protein_coding	19	6946531	6946531	peptidylglycyl hydrolase, NIMA-interacting 1
42589	ENSG00000195274	PPP1R12B	41240	-0.09	protein_coding	12	145703382	145727504	protein phosphatase 1, regulatory subunit 12A
42701	ENSG00000066228	MCM10	41243	-0.09	protein_coding	10	13203554	13203104	minichromosome maintenance complex component 10
42704	ENSG00000138175	ANLN	41245	-0.09	protein_coding	10	10444388	10447484	ADP-ribosylation factor-like 3
42716	ENSG00000106804	NDC1	41249	-0.09	protein_coding	10	84241153	84241153	NDC1 transmembrane nucleoside
42718	ENSG00000163430	FSTL1	41263	-0.09	protein_coding	3	120111440	120170100	kallistatin-like 1
42725	ENSG00000137124	ALDH1B1	41269	-0.09	protein_coding	9	3839261	3839668	aldehyde dehydrogenase 1 family, member B1
42724	ENSG00000107246	NFPM3	41274	-0.09	protein_coding	9	80713364	80725844	catenin protein kinase
42731	ENSG00000107833	NFPM3	41276	-0.09	protein_coding	10	103541082	103543170	nucleoside phosphatase 3
42734	ENSG00000099901	RANBP1	41284	-0.09	protein_coding	22	15013481	15011478	RAN binding protein 1
42746	ENSG00000101521	USP44	41284	-0.09	protein_coding	16	1581383	1581383	ubiquitin specific peptidase 4 (UBA4) (ubiquitin transglycosylase)
42750	ENSG00000184861	CDCA2	41286	-0.09	protein_coding	8	28318513	28345436	cell division cycle associated 2
42763	ENSG00000136274	SEC13A	41308	-0.09	protein_coding	4	83739814	83822319	SEC13 homolog A (S. cerevisiae)
42764	ENSG00000106826	USP44	41308	-0.09	protein_coding	8	18478130	18478130	Fanconi anemia, complementation group 1
42774	ENSG00000138180	CEP55	41325	-0.09	protein_coding	10	9528389	95288849	centrosomal protein 55kDa
42776	ENSG00000198900	SMAR	41327	-0.09	protein_coding	10	9405020	94113721	membrane-associated ring finger (C1HC4) 5
42781	ENSG00000137370	RPR101	41328	-0.09	protein_coding	11	8346126	8346126	DNA pseudouracil synthase domain containing 1
42782	ENSG00000198824	CHAMP1	41331	-0.09	protein_coding	13	11507998	11509736	chromosome alignment maintaining phosphoprotein 1
42799	ENSG00000091542	ALKBH5	41347	-0.09	protein_coding	17	18068392	18115288	alkB, alkylation repair homolog 5 (E. coli)
42812	ENSG00000163300	BAP1	41361	-0.09	protein_coding	3	5243520	5244436	BRCA1 associated protein 1 (ubiquitin carboxyl-terminal hydrolase)
42816	ENSG00000000870	PKD1	41365	-0.09	protein_coding	16	2187111	2187589	polycystic kidney disease 1 (autosomal dominant)
42826	ENSG00000106921	PKP4	41372	-0.09	protein_coding	19	8137221	8137221	polymerase (RNA) methyltransferase (DNA directed)
42827	ENSG00000197037	GTPBP4	41378	-0.09	protein_coding	10	1034338	1034338	GTP binding protein 4
42833	ENSG00000198452	AMP1	41384	-0.09	protein_coding	11	8932886	8941631	ATP synthase (F1F0) complex assembly factor 1
42837	ENSG00000134327	CANX	41392	-0.09	protein_coding	5	17919529	17919529	calnexin
42841	ENSG00000070814	NDS1	41394	-0.09	protein_coding	5	14898581	14898773	N-deacetylase/N-sulfotransferase (heparan glycosaminyl) 1
42842	ENSG00000195291	FAM127	41395	-0.09	protein_coding	17	873468	873468	KR23 (chromosome histone regulator homolog) (S. cerevisiae)
42851	ENSG00000180185	FAM127	41405	-0.09	protein_coding	16	187898	187898	luminy/acetylacetyl hydrolase domain containing 1
42861	ENSG00000078462	PAFAH1B3	41417	-0.09	protein_coding	19	42801185	42801185	platelet-activating factor acetylhydrolase (heparan glycosaminyl) 1
42863	ENSG00000185487	PPP1R15B	41418	-0.09	protein_coding	19	2202808	2202808	protein phosphatase 1, regulatory subunit 15B
42874	ENSG00000204498	NFKB1L1	41431	-0.09	protein_coding	6	31514647	31512606	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor like 1
42875	ENSG00000194960	PTOV1	41432	-0.09	protein_coding	19	5035392	50354001	prostate tumor overexpressed 1
42888	ENSG00000195209	DBP1	41438	-0.09	protein_coding	10	7403108	7403108	DNA double-strand break inducible transcript 4
42898	ENSG00000135387	CAPRN1	41454	-0.09	protein_coding	11	34073230	34127033	cell cycle associated protein 1
42899	ENSG00000130332	MLL1	41455	-0.09	protein_coding	12	612296	627999	myeloid/lymphoid or mixed-lineage leukemia (t(11q23), Deoxyphasia); translocated to 1
42900	ENSG00000184969	SHNA1	41458	-0.09	protein_coding	14	10523437	10523437	SHNA1, apoptosis-inducing factor
42912	ENSG00000101073	SLC25A1	41476	-0.09	protein_coding	17	4776130	4776130	soluble carrier family 25, member 61
42915	ENSG00000146535	GNA12	41473	-0.09	protein_coding	7	2787746	2803988	guanine nucleotide binding protein (G protein) alpha 12
42924	ENSG00000126922	DDH1	41492	-0.09	protein_coding	19	3469817	3469817	deoxyribose hydroxylase/monooxygenase
42944	ENSG00000181894	CNSRD4	41507	-0.09	protein_coding	11	134181070	134185027	chromosome 18 open reading frame 24
42947	ENSG00000095906	NUR2P	41502	-0.09	protein_coding	16	1839282	1839182	ubiquitin binding protein 2
42950	ENSG00000198388	PPP1R12C	41511	-0.09	protein_coding	10	6346195	63462611	protein phosphatase 1, regulatory subunit 12C
42950	ENSG00000198388	ZNF664	41511	-0.09	protein_coding	16	1244928	1244928	zinc finger protein 664
42967	ENSG00000191999	JMJD5	41534	-0.09	protein_coding	16	731871	731871	jasmonoyl domain containing 8
42978	ENSG00000136451	TRAF7	41547	-0.09	protein_coding	12	4971019	49725014	trichostatin associated protein
42984	ENSG00000069481	HMG20B	41548	-0.09	protein_coding	12	3571702	3571702	high mobility group 20B
43007	ENSG00000177830	GHD1	41574	-0.09	protein_coding	11	867357	8715058	chitinase domain containing 11
43010	ENSG00000134533	SNAPIN	41577	-0.09	protein_coding	2	15901130	15904308	SNAP-associated protein
43024	ENSG00000195264	FAM178A							

43313	ENSG00000206453	BAAP2L1	41960	-0.09	protein_coding	7	9795993	9903080	BAI1-associated protein 2-like 1
43318	ENSG00000155179	RAB11FIP5	41961	-0.09	protein_coding	2	7236494	1576206	RAB11 family intracellular protein 5 (class 1)
43319	ENSG0000007394	RHDF1	41966	-0.09	protein_coding	16	100588	126354	rhomboid 5 homolog 1 (Drosophila)
43331	ENSG00000160688	FLAD1	41984	-0.09	protein_coding	1	154955814	154955587	flavin adenine dinucleotide synthetase 1
43333	ENSG00000171703	TEGE2	41984	-0.09	protein_coding	20	5681189	6076370	transcription elongation factor A (SII), 2
43353	ENSG00000172754	SEER1	42026	-0.09	protein_coding	16	2037654	2037654	growth factor, suppressor of nerve regeneration
43361	ENSG00000117419	ER1	42018	-0.09	protein_coding	1	4486742	4482032	ER1 exorbaxinase family member 3
43374	ENSG00000172534	HCF1	42033	-0.09	protein_coding	A	153213048	153213258	host cell factor 1 (UP18-accessory protein)
43378	ENSG00000172720	TMR2	42033	-0.09	protein_coding	6	4188929	41600784	tyrosinase-like 2
43381	ENSG00000195245	NMBL	42044	-0.09	protein_coding	9	41172596	41196677	numb homolog (Drosophila)-like
43392	ENSG00000136193	THEM6	42055	-0.09	protein_coding	6	14386921	14381645	thioesterase superfamily member 6
43393	ENSG00000171233	TMR2	42055	-0.09	protein_coding	6	4188929	9093631	translocase of inner mitochondrial membrane 22 homolog (yeast)
43394	ENSG00000066712	PAF1	42058	-0.09	protein_coding	19	39876452	39881635	Paf1, RNA polymerase II associated factor, homolog (S. cerevisiae)
43396	ENSG00000196498	NCR2	42063	-0.09	protein_coding	12	12498061	12502138	nuclear receptor corepressor 2
43391	ENSG00000101465	HCF8B1	42064	-0.09	protein_coding	16	3074267	3074268	host cell factor 1 (regulator 1) (NCP1 dependent)
43403	ENSG00000111841	NOP2	42074	-0.09	protein_coding	12	6666209	6677787	NOP2 nucleolar protein
43408	ENSG00000135294	PTPRK	42081	-0.09	protein_coding	6	12629924	126841670	protein tyrosine phosphatase, receptor type, K
43409	ENSG00000100014	SPKCC1L	42082	-0.09	protein_coding	22	24668796	24813108	sperm antigen with calcium leucine-rich and coiled-coil domains 1-like
43414	ENSG00000440000	CUL7	42086	-0.09	protein_coding	6	43005355	43021883	cullin 7
43421	ENSG00000101210	EEF1A2	42090	-0.09	protein_coding	20	62119366	62130003	eukaryotic translation elongation factor 1 alpha 2
43424	ENSG00000103268	RN1208	42096	-0.09	protein_coding	9	15011207	15011605	ring finger protein 208
43432	ENSG00000160891	SHC1	42107	-0.09	protein_coding	1	154843774	154846871	SHC (Src homology 2 domain containing) transforming protein 1
43439	ENSG00000117724	CENPF	42114	-0.09	protein_coding	1	214776538	21487931	centromere protein F, 350kDa/6kDa
43443	ENSG00000101326	NAV1	42119	-0.09	protein_coding	1	20170411	20176102	neuron navigator 1
43455	ENSG00000054793	ATP9A	42131	-0.09	protein_coding	20	50213053	50385173	ATPase, class II, type 9A
43470	ENSG00000159011	PDS3	42146	-0.09	protein_coding	8	18354811	18622420	pleckstrin and Sec7 domain containing 3
43471	ENSG00000109227	SNX2	42147	-0.09	protein_coding	12	9912726	9920926	sorting nexin 2
43474	ENSG00000008838	MDM2	42150	-0.09	protein_coding	17	38175350	38217468	mediator complex subunit 24
43477	ENSG00000292476	CCO8C8C	42156	-0.09	protein_coding	14	89977903	100707983	coiled-coil domain containing 85C
43483	ENSG00000101785	ARHGAP3	42157	-0.09	protein_coding	23	23843603	23843603	ARHGAP with GTPase domain, argonin repeat and PH domain 1
43484	ENSG00000101871	MDM1	42157	-0.09	protein_coding	5	10413350	10851773	mdm1 (Opa1/BBB syndrome)
43488	ENSG00000117605	RNC2	42177	-0.09	protein_coding	15	12723960	7724201	reticulocalbin 2, EF-hand calcium binding domain
43489	ENSG00000106571	CRMP2	42179	-0.09	protein_coding	16	1903198	1903198	CRADD (Axo-Glia-Apo) box polypeptide 39
43498	ENSG00000150938	CRM1	42196	-0.09	protein_coding	2	36583009	36772778	cytosine rich transmembrane BMP regulator 1 (chordin-like)
43500	ENSG00000135429	POPD3C	42196	-0.09	protein_coding	6	10596155	10597270	povey domain containing 3
43503	ENSG00000102588	PCYT2	42202	-0.09	protein_coding	13	10311863	10311863	phosphatidylcholine transferase 2
43510	ENSG00000127463	EMC1	42211	-0.09	protein_coding	1	19542158	19578046	ER membrane protein complex subunit 1
43518	ENSG00000170265	ZNF282	42223	-0.09	protein_coding	7	148825277	148823339	zinc finger protein 282
43521	ENSG00000103778	GLIS2	42232	-0.09	protein_coding	2	2744200	2744200	carbamoyl-phosphate synthase 2, bifunctional (sucralfamylase, and dihydrodase)
43522	ENSG00000110992	CND1	42232	-0.09	protein_coding	11	69455855	69469242	cyt1 D1
43523	ENSG00000160262	HIC6orf9	42232	-0.09	protein_coding	18	2510081	2514984	chromosome 18 open reading frame 9
43524	ENSG00000103921	PCYT2	42232	-0.09	protein_coding	13	10311863	10311863	phosphatidylcholine transferase 2
43530	ENSG00000149503	INCENP	42243	-0.09	protein_coding	11	61891445	61920035	inner centromere protein antigen 135/159kDa
43538	ENSG00000205388	SCHP1	42252	-0.09	protein_coding	3	158690224	15861155	IGCJ-SCHP1 readthrough
43542	ENSG00000147852	VLDLR	42263	-0.09	protein_coding	26	2961470	2960000	very low density lipoprotein receptor
43547	ENSG00000103693	KIF3C	42263	-0.09	protein_coding	16	87742129	87742129	kinesin family member C3
43550	ENSG00000071539	TRIP13	42281	-0.09	protein_coding	5	862778	919472	thyroid hormone receptor interacting 13
43551	ENSG00000202572	GRK2C	42281	-0.09	protein_coding	1	19364688	19364688	guanine nucleotide-binding protein-coupled receptor kinase 2
43556	ENSG00000104248	HYCK1	42281	-0.09	protein_coding	11	11891490	11892193	hypoxia-ox/redox-1
43562	ENSG00000203778	FAM228B	42297	-0.09	protein_coding	6	112408902	11242399	family with sequence similarity 229, member B
43563	ENSG00000160307	ARHGAP35	42297	-0.09	protein_coding	18	421421933	42163333	Rho GTPase activating protein 35
43568	ENSG00000106171	DCP2	42297	-0.09	protein_coding	13	103332017	103304026	deleted in normal erythroid dysplasia homolog (mouse)
43570	ENSG00000196411	EPH8A	42304	-0.09	protein_coding	7	100401807	100421281	EPH receptor 84
43573	ENSG00000135448	TARBP2	42308	-0.09	protein_coding	12	53894705	53900215	TAR RNA binding protein 2
43586	ENSG00000004864	SLC6A13	42318	-0.09	protein_coding	87	67149332	66514209	solute carrier family 6 (sodium-glucocorticoid cotransporter) member 13
43582	ENSG00000166186	TMR17A	42320	-0.09	protein_coding	14	103985521	10400310	tRNA methyltransferase 61 homolog A (S. cerevisiae)
43588	ENSG00000104887	POGL2	42326	-0.09	protein_coding	1	19838220	19838594	POI loop repeat containing 2
43589	ENSG00000108173	JAG1	42329	-0.09	protein_coding	9	37653399	37653399	Jagged 1, fibroblast growth protein 703
43594	ENSG00000101384	JAG1	42340	-0.09	protein_coding	20	10618332	10645894	Jagged 1
43595	ENSG00000174177	CTL2	42340	-0.09	protein_coding	16	88772871	88781794	cytosolic thiolase-subunit 2 homolog (S. pombe)
43598	ENSG00000105433	ARX4	42342	-0.09	protein_coding	12	65915862	65915862	arxiv protein kinase 4
43604	ENSG00000168886	NAB2	42350	-0.09	protein_coding	12	5748227	5748299	NGF1-A binding protein 2 (EGR1 binding protein 2)
43605	ENSG00000135299	PHLDA1	42350	-0.09	protein_coding	12	79419227	79420712	pleckstrin homology-like domain, family A, member 1
43607	ENSG00000101476	TOC1	42363	-0.09	protein_coding	5	11713752	11714305	17 OHS rat OX domain 23
43615	ENSG00000070814	TACF1	42365	-0.09	protein_coding	5	14973202	149779871	Treacher Collins-Franceschetti syndrome 1
43621	ENSG00000170017	ALCAM	42369	-0.09	protein_coding	3	10505573	10509744	activated leukocyte cell adhesion molecule
43623	ENSG00000101163	TRAF2	42369	-0.09	protein_coding	3	15981766	16001799	transmembrane receptor with coiled-coil containing 1
43624	ENSG00000198420	FAM118A	42372	-0.09	protein_coding	7	143544689	143592991	family with sequence similarity 115, member A
43627	ENSG00000174938	SEZL2	42373	-0.09	protein_coding	16	26882480	26911088	seizure related 6 homolog (mouse)-like 2
43628	ENSG00000101478	ARHGAP23	42373	-0.09	protein_coding	16	17217412	17217412	Rho guanine nucleotide exchange factor GEF21 10
43631	ENSG00000174599	TRAM1L1	42379	-0.09	protein_coding	4	11800478	11800674	translocation associated membrane protein 1-like 1
43640	ENSG00000087842	PIR	42387	-0.09	protein_coding	X	15442921	15511887	pirin (iron-binding nuclear protein)
43643	ENSG00000104514	ARAS	42392	-0.09	protein_coding	12	6373126	6373126	arachnoid, astrocytoma-inducing, adenoma
43646	ENSG00000174306	ZHX3	42403	-0.09	protein_coding	20	3980708	3984832	zinc fingers and homeobox 3
43647	ENSG00000198528	AFAP1	42404	-0.09	protein_coding	4	7788441	7941853	actin filament associated protein 1
43648	ENSG00000103625	CRP2B	42408	-0.09	protein_coding	14	1228188	1228188	chromosome 19 open reading frame 26
43650	ENSG00000160917	CRP2A	42409	-0.09	protein_coding	7	9930545	9930544	cleavage and polyadenylation specific factor 4, 30kDa
43655	ENSG00000104126	MED9	42414	-0.09	protein_coding	17	17980300	17983540	mediator complex subunit 9
43658	ENSG00000101447	FAM93D	42418	-0.09	protein_coding	20	3758109	3758109	family with sequence similarity 83, member D
43660	ENSG00000197463	ZNF228	42426	-0.09	protein_coding	19	59957699	59958584	zinc finger protein 228
43666	ENSG00000196781	TLET	42431	-0.09	protein_coding	9	8418656	8434320	transduction-like enhancer of SPL1 (Egag1) homolog (Drosophila)
43672	ENSG00000103266	TRAF3V	42431	-0.09	protein_coding	17	1024019	1024019	transmembrane protein 3
43675	ENSG00000143569	UBAP2L	42447	-0.09	protein_coding	1	15412055	15424396	ubiquitin associated protein 2-like
43685	ENSG00000108106	UBE2Z	42467	-0.09	protein_coding	19	55912652	55919145	ubiquitin-conjugating enzyme E2B
43688	ENSG00000004478	FHBP1	42467	-0.09	protein_coding	12	2904118	2914616	FHBP2 binding protein 4, 59kDa
43689	ENSG00000106484	MEST	42469	-0.09	protein_coding	20	21119386	21120118	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
43690	ENSG00000106484	MEST	42469	-0.09	protein_coding	7	13012612	13014613	mammary specific transcript
43692	ENSG00000101796	SESN2	42469	-0.09	protein_coding	1	2859036	2860902	sesn2
43696	ENSG00000197942	FNBP1L	42469	-0.09	protein_coding	1	6391368	6402029	feminin domain protein 1-like
43697	ENSG00000168636	LDCC1L	42478	-0.09	protein_coding	22	44884842	44894178	leucine zipper, down-regulated in cancer 1-like
43700	ENSG00000086100	DLG5	42479	-0.09	protein_coding	17	5344322	5312480	DEAF1 (Axo-Glia-Apo) low polypeptide 33
43701	ENSG00000101206	DLG5	42482	-0.09	protein_coding	10	7869249	7869249	discs, large homolog 5 (Drosophila)
43708	ENSG00000123213	NLN	42487	-0.09	protein_coding	5	65018023	65187653	neurospirin (metallopeptidase M3 family)
43711	ENSG00000176532	NRP1	42484	-0.09	protein_coding	11	9002123	9029296	nucleolar receptor interacting protein 3
43725	ENSG00000103096	PRR4	42484	-0.09	protein_coding	13	37203828	37216268	protein tyrosine phosphatase (LAR) family class 1
43731	ENSG00000136221								

4074	ENSG00000134966	NREP	43103	-0.09	protein_coding	5	110968318	111333161	neuronal regeneration related protein
4075	ENSG00000103311		38109	-0.09					
42249	ENSG00000229519		40721.7	-0.09					
42309	ENSG00000217138		41493.9	-0.09					
43588	ENSG00000266963		41628.6	-0.09					
43416	ENSG00000207758		42397.5	-0.09					
43486	ENSG00000203733		42176	-0.09					GTU domain containing 7B
43585	ENSG00000186313	OTUD7B	42683	-0.09	protein_coding	1	149909705	149982625	
43659	ENSG00000269552		43441.3	-0.09					
43912	ENSG00000246695	RASSF8AS1	42815.4	-0.1	antisense	12	20592282	26112688	RASSF8 antisense RNA 1
44033	ENSG00000251506	LINC03094	42568.4	-0.1	antisense	9	15869591	16069748	long intergenic non-protein coding RNA 94
44181	ENSG00000204698	ORPK4	43339.3	-0.1	protein_coding	9	54952715	54983181	colorectal metastasis differentially expressed (non-synonymous coding)
42845	ENSG00000224837	ENSG00000224837	41987.1	-0.1	processed_transcript	1	168025139	168025680	glycine cleavage system protein H pseudogene 5
37718	ENSG00000187698	EEF2	35866.3	-0.1	protein_coding	19	3978084	3984547	eukaryotic translation elongation factor 2
38774	ENSG00000105268	ATP4A1	36975.4	-0.1	protein_coding	18	4386110	43864300	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle
39488	ENSG00000138107	ACTR1A	37730	-0.1	protein_coding	10	10423896	104262482	ARPI1 actin-related protein 1 homolog A, centrinin alpha (yeast)
39991	ENSG00000189921	UQCPR3	37829.2	-0.1	protein_coding	19	29681173	29704448	ubiquitin-cytochrome c reductase, Rieske iron-sulfur polypeptide 1
39984	ENSG00000177233	HNRNP40	38202.3	-0.1	protein_coding	9	13707075	13709039	heterogeneous nuclear ribonucleoprotein A0
39965	ENSG00000147853	AK3	38236	-0.1	protein_coding	9	4711155	4742043	adenylate kinase 3
40033	ENSG00000154518	ATP9G3	38308.4	-0.1	protein_coding	2	17604098	17604335	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C3 (subunit 9)
40187	ENSG00000101623	TMS63D3	38599.1	-0.1	protein_coding	9	14009534	14010090	chaperonin containing TCP1, subunit 6A (beta 1)
40679	ENSG00000178101	SNA1	39000.1	-0.1	protein_coding	2	14008309	14008422	Spo9en syndrome nuclear autophantain 1
40717	ENSG00000142884	SERP1	39033.1	-0.1	protein_coding	1	67973493	67996908	SERPINE1 mRNA binding protein 1
40841	ENSG00000099817	PCRF2E	39178.7	-0.1	protein_coding	18	1090588	1090598	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa
40858	ENSG00000178741	COXA	39197.5	-0.1	protein_coding	15	75212132	75230509	cytochrome c oxidase subunit Va
40960	ENSG00000112514	GUTA	39303.9	-0.1	protein_coding	6	33384219	33388304	cutA/divalent cation tolerance homolog (E. coli)
41000	ENSG00000114893	SRR1	39393.9	-0.1	protein_coding	2	15627073	15627073	signal sequence receptor, gamma (transcription-associated protein gamma)
41108	ENSG00000186595	FAM68B	39460.4	-0.1	protein_coding	16	86985959	86988336	family with sequence similarity 96, member 6
41142	ENSG00000213585	VDAC1	39500.6	-0.1	protein_coding	5	133307666	133340024	voltage-dependent anion channel 1
41216	ENSG00000101803	CD78A	39591.3	-0.1	protein_coding	16	1062317	1062317	protein disulfide isomerase family A, member 6
41225	ENSG00000204227	RNGI3	39596.6	-0.1	protein_coding	6	3317672	33180499	rung finger protein 1
41260	ENSG00000114584	CCT4	39627	-0.1	protein_coding	2	62058224	62115939	chaperonin containing TCP1, subunit 4 (delta)
41320	ENSG00000103731	PCRF2	39639.9	-0.1	protein_coding	7	5813923	5813923	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa
41308	ENSG00000128050	PANCS	39689.4	-0.1	protein_coding	4	57301907	57327534	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase
41328	ENSG00000177697	CD151	39713.7	-0.1	protein_coding	11	832843	839851	CD151 metastar (high blood group)
41405	ENSG00000242372	EIF6	39807.9	-0.1	protein_coding	20	3386714	33872788	eukaryotic translation initiation factor 6
41440	ENSG00000128272	ATF4	39841.4	-0.1	protein_coding	22	39915700	39918691	activating transcription factor 4
41489	ENSG00000106824	SPR4	39900.1	-0.1	protein_coding	12	10258146	10258146	
41511	ENSG00000154174	TOM70DA	39920.8	-0.1	protein_coding	3	10000275	10012042	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)
41516	ENSG00000118421	NDUFA8	39928.3	-0.1	protein_coding	9	12488745	12492298	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 19kDa
41538	ENSG00000101691	PRKSH	39933.9	-0.1	protein_coding	12	12314136	12314136	protein kinase N2
41653	ENSG00000130175	PRKCSH	40055.7	-0.1	protein_coding	19	11546109	11561783	protein kinase C substrate 80K-H
41697	ENSG00000040779	NDUFA81	40591.1	-0.1	protein_coding	16	23592323	23607677	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa
41670	ENSG00000125835	SRRP8	40675.4	-0.1	protein_coding	20	4442969	2451499	small nuclear ribonucleoprotein polypeptides B and B1
41765	ENSG00000198816	ZNF576	40781.6	-0.1	protein_coding	20	7580715	7580715	zinc finger protein 576
41761	ENSG00000184900	SUMO3	40710.74	-0.1	protein_coding	21	46225521	46226994	small ubiquitin-like modifier 3
41785	ENSG00000186953	TYWHA	40207.1	-0.1	protein_coding	17	1247697	1247697	tyrosine 3-monoxygenase/tyrosyl-L-tryptophan 5-monoxygenase activation protein, epsilon
41783	ENSG00000103601	BCORL3	40207.1	-0.1	protein_coding	16	31117428	31124312	branched chain ketohydroxyglutaryl-CoA lyase
41887	ENSG00000204185	ARPC1A	40311.4	-0.1	protein_coding	7	69923521	69985787	actin related protein 2/3 complex, subunit 1A, 41kDa
41904	ENSG00000135471	MPLN18	40338.5	-0.1	protein_coding	8	50041770	50050461	mitochondrial ribosomal protein L15
41904	ENSG00000106401	CD78A2	40338.5	-0.1	protein_coding	16	10561810	10561810	protein disulfide isomerase family A, member 6
42045	ENSG00000100804	PSMB8	40521.2	-0.1	protein_coding	14	23487572	23504339	proteasome (prosome, macropain) subunit, beta type 5
42062	ENSG00000308220	PEBP1	40533.3	-0.1	protein_coding	12	118573663	118583388	phosphatidylethanolamine binding protein 1
42071	ENSG00000071314	SNRPA	40533.3	-0.1	protein_coding	42	41232642	41232642	small nuclear ribonucleoprotein polypeptide A
42178	ENSG00000125591	ERIC3D	40550.4	-0.1	protein_coding	30	34129770	34145405	ERIC and golgi 3
42168	ENSG00000196986	CDCC47	40558.6	-0.1	protein_coding	17	81822810	81853171	collet-coil domain containing 47
42206	ENSG00000101986	MPSF5	40561.5	-0.1	protein_coding	26	36924139	36924139	mitochondrial ribosomal protein S15
42211	ENSG00000102181	CD98L2	40677.9	-0.1	protein_coding	X	149594810	150087288	CD98 membrane-like 2
42224	ENSG00000185824	PAH8	40704.3	-0.1	protein_coding	17	7981035	79818770	prolyl 4-hydroxylase, beta polypeptide
42227	ENSG00000195424	SLC23G3	40735.3	-0.1	protein_coding	19	54292563	54292563	solute carrier family 23 (multicopper carrier, cholesteryl carrier), member 23
42332	ENSG00000114686	MPLR3	40812.9	-0.1	protein_coding	3	131181056	13121827	mitochondrial ribosomal protein L3
42342	ENSG00000146248	SURF4	40826.8	-0.1	protein_coding	9	18238235	18242070	surfact 4
42495	ENSG00000165117	MRPS15	41007.2	-0.1	protein_coding	17	72432414	72432414	mitochondrial ribosomal protein S15
42419	ENSG00000187328	RRM1	40912.7	-0.1	protein_coding	11	4115937	4161026	ribonucleotide reductase M1
42425	ENSG00000196508	MCW7	40920.9	-0.1	protein_coding	22	9990351	99909963	mitochondrial maintenance complex component 7
42486	ENSG00000119505	L3M4	40934.8	-0.1	protein_coding	18	18417049	18417049	LSM4 homolog, L18 small nuclear RNA associated (S. cerevisiae)
42495	ENSG00000111142	METAP2	40966.4	-0.1	protein_coding	12	95867292	95869615	methionyl aminopeptidase 2
42617	ENSG00000132375	PMSM4	41021.4	-0.1	protein_coding	19	40478912	40487348	proteasome (prosome, macropain) 26S subunit, ATPase, 4
42536	ENSG00000106453	CD151L2	41021.4	-0.1	protein_coding	19	5012419	5012419	CD151-like 2 (ratie rib)
42593	ENSG00000162430	SEPN1	41108	-0.1	protein_coding	1	26126667	26144113	selenoprotein N, 1
42601	ENSG00000182154	MPLP14	41147.4	-0.1	protein_coding	9	140445651	140447307	mitochondrial ribosomal protein L41
42616	ENSG00000106538	AT13A2	41134.6	-0.1	protein_coding	22	469681	469681	actin, alpha 1B
42617	ENSG00000145386	CDA2	41134.6	-0.1	protein_coding	4	12273599	122745097	cystin A2
42634	ENSG00000086820	COASY	41150.7	-0.1	protein_coding	17	40713485	40718296	CoA synthase
42683	ENSG00000101673	MIR584	41233.1	-0.1	protein_coding	17	18233	18233	mitochondrial ribosomal protein S34
42714	ENSG00000128947	ARMXC1	41259.1	-0.1	protein_coding	14	100959514	100959514	armadillo repeat containing, X-linked 1
42716	ENSG00000170779	CDCA4	41259.1	-0.1	protein_coding	14	105475910	105487485	cell division cycle associated 4
42723	ENSG00000196258	ACTL1	41263.4	-0.1	protein_coding	30	308819	3101190	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)
42733	ENSG00000130402	ACTN4	41278	-0.1	protein_coding	9	99135289	99222223	cell division cycle 4
42736	ENSG00000131768	PEP1L3	41283.3	-0.1	protein_coding	6	36822003	36824200	peptidylglycyl isomerase (cyclophilin) like 1
42737	ENSG00000106996	MRPS12	41321.1	-0.1	protein_coding	19	46389896	46393876	mitochondrial ribosomal protein L13
42738	ENSG00000173465	SSSCA1	41285	-0.1	protein_coding	11	65317901	65341413	Spo9en syndrome/scidemia autophantain 1
42748	ENSG00000213495	ARL2	41295.4	-0.1	protein_coding	11	64741585	64789656	ADP-ribosylation factor-like 2
42768	ENSG00000103111	MCRC	41316.4	-0.1	protein_coding	3	12717066	127341276	mitochondrial maintenance complex component 2
42772	ENSG00000117266	CD151L1	41321.1	-0.1	protein_coding	7	43842676	43842676	CD151-like 1 (ratie rib)
42775	ENSG00000125912	NCLN	41328.6	-0.1	protein_coding	19	3185651	3209573	nuclein
42783	ENSG00000100106	MFCR2	41357.6	-0.1	protein_coding	6	14381948	14383627	lysostatin, alpha-L-2, plasma
42819	ENSG00000154445	MIR507	41357.6	-0.1	protein_coding	19	73297765	73297765	mitochondrial ribosomal protein S7
42839	ENSG00000096241	ISOC2	41390.5	-0.1	protein_coding	19	55984352	55997310	isochromatid spread domain containing 2
42844	ENSG00000175130	MARCKSL1	41396	-0.1	protein_coding	37	5074924	5081190	MARCKS-like 1
42855	ENSG00000170641	RFBP1	41414.4	-0.1	protein_coding	19	46389896	46393876	interferon regulatory factor 2 binding protein 1
42862	ENSG00000129250	KIF10	41426	-0.1	protein_coding	17	4501243	4511698	kinesin family member 10
42869	ENSG00000129242	PFBP2	41427.6	-0.1	protein_coding	7	32697017	32698483	Pf88 binding protein B, 63 kDa
42876	ENSG00000131969	CDJND5	41433.6	-0.1	protein_coding	10	1026126265	1026126265	DCN1, defective in cutis marmorata 1, domain containing 5
42881	ENSG00000106805	NKXAP	41438.4	-0.1	protein_coding	4	17812525	17846485	non-SMC condensin I homolog subunit 5
42892	ENSG00000187553	TUBA1C	41448.8	-0.1	protein_coding	12	48682519	486	

43434	ENSG00000187362	ZNF598	42159	-0.1	protein_coding	2047565	2052824	zinc finger protein 598
43443	ENSG00000117172	MGC129	42159	-0.1	antisense_intronic	5238	5238	methylglucosyl transferase 2
43448	ENSG00000198722	UNC13B	42125	-0.1	protein_coding	9	35161999	unc-13 homolog B (C. elegans)
43461	ENSG00000186318	BACE1	42141	-0.1	protein_coding	11	117156402	beta-site APP-cleaving enzyme 1
43467	ENSG00000112759	SLC11A1	42141	-0.1	protein_coding	6	4501788	solute carrier family 20 (requiemate nucleoside transporter), member 1
43473	ENSG00000105795	AMDC1	42149	-0.1	protein_coding	6	27926542	AT hook DNA binding motif containing 1
43476	ENSG00000104866	PPP1R37	42154	-0.1	protein_coding	19	45594545	protein phosphatase 1, regulatory subunit 37
43486	ENSG00000200539	POF	42174	-0.1	protein_coding	11	846169	importin 7
43496	ENSG00000109171	ZFYVE21	42193	-0.1	protein_coding	14	104120087	zinc finger, FYVE domain containing 21
43507	ENSG00000136311	DBP1	42203	-0.1	protein_coding	19	17420327	DIET1 and DBP1 associated 1
43511	ENSG00000200520	TNED1	42222	-0.1	protein_coding	19	10643174	transmembrane emp24 protein transport domain containing 1
43519	ENSG00000100498	WYTR1L	42232	-0.1	protein_coding	14	14545501	WW domain containing transcription regulator 1
43527	ENSG00000100116	GGAT	42240	-0.1	protein_coding	22	38203912	glycine C-acetyltransferase
43535	ENSG00000114480	GBE1	42247	-0.1	protein_coding	3	8153890	glucan (1,4-alpha), branching enzyme 1
43543	ENSG00000200458	OGRH8	42264	-0.1	protein_coding	6	3061266	chromosome 8 open reading frame 138
43544	ENSG00000200327	TNFRSF12A	42287	-0.1	protein_coding	16	3068446	tumor necrosis factor receptor superfamily, member 12A
43554	ENSG00000170677	SOC36	42290	-0.1	protein_coding	18	6796137	suppressor of cytokine signaling 6
43561	ENSG00000177383	MAM1	42297	-0.1	protein_coding	3	13440356	melanocyte antigen family 1
43575	ENSG00000178053	MLF1	42312	-0.1	protein_coding	3	15628952	myeloid leukemia factor 1
43579	ENSG00000100139	MICAL1	42317	-0.1	protein_coding	22	3831864	MICAL-like 1
43588	ENSG00000174562	WDR52	42320	-0.1	protein_coding	19	7297255	Williams Beuren syndrome chromosome region 22
43590	ENSG00000155254	MARVELD1	42335	-0.1	protein_coding	10	9947290	MARVEL domain containing 1
43592	ENSG00000186901	SAC3D1	42339	-0.1	protein_coding	11	6480973	SAC3 domain containing 1
43598	ENSG00000101346	POU1F1	42344	-0.1	protein_coding	20	3072663	protein 1 (class of transcription factor 1)
43601	ENSG00000188010	MORC2	42347	-0.1	protein_coding	2	39103103	MORN repeat containing 2
43606	ENSG00000184967	NOCAL	42352	-0.1	protein_coding	12	12628993	nuclear complex associated 4 homolog (S. cerevisiae)
43610	ENSG00000196927	AJEN	42358	-0.1	protein_coding	15	3415828	apoptosis, caspase activation inhibitor
43612	ENSG00000107186	MPC2	42363	-0.1	protein_coding	9	1310703	multiple PDZ domain protein
43632	ENSG00000200474	ABCF1	42379	-0.1	protein_coding	6	3058193	ATP-binding cassette, sub-family F (GCN2), member 1
43634	ENSG00000104298	AKR3B	42381	-0.1	protein_coding	19	1493269	UDP-GlcNAc 6-epimerase
43641	ENSG00000174684	B3GNT1	42397	-0.1	protein_coding	11	6811283	UDP-GlcNAc 6-epimerase 1, N-acetylglucosaminyltransferase 1
43652	ENSG00000105854	PON2	42414	-0.1	protein_coding	7	8503475	paraoxonase 2
43654	ENSG00000106947	PCSK1	42419	-0.1	protein_coding	2	22758476	proteinase substrate 1
43657	ENSG00000139514	SLC7A1	42420	-0.1	protein_coding	13	30083547	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
43664	ENSG00000151348	EKT2	42434	-0.1	protein_coding	11	4417099	exocyst glycosyltransferase 2
43671	ENSG00000116681	PCSK2	42435	-0.1	protein_coding	11	3213618	proteinase substrate 2
43678	ENSG00000107262	PAHA2	42452	-0.1	protein_coding	5	11527531	prolyl 4-hydroxylase, alpha polypeptide II
43679	ENSG00000104534	TICRR	42456	-0.1	protein_coding	10	8011873	TORBP1-interacting checkpoint and replication regulator
43681	ENSG00000104985	LRWD1	42458	-0.1	protein_coding	15	973325	leucin methylase 2-like
43684	ENSG00000158301	GPRASP2	42464	-0.1	protein_coding	X	101987104	G protein-coupled receptor associated sorting protein 2
43687	ENSG00000172731	LRWD2	42467	-0.1	protein_coding	10	72088729	leucine rich repeat containing 20
43693	ENSG00000104922	ATP9A2	42472	-0.1	protein_coding	12	14071142	ATPase, Ca ²⁺ /H ⁺ transporting, cardiac muscle, slow twitch 2
43699	ENSG00000199996	MAPK6	42478	-0.1	protein_coding	15	5224403	mitogen-activated protein kinase 6
43703	ENSG00000124571	XPC5	42483	-0.1	protein_coding	6	4340072	exportin 5
43704	ENSG00000104590	NBL1	42484	-0.1	protein_coding	12	10658718	MLK4 family, SNF-like kinase, 1
43707	ENSG00000106152	TREAF4	42484	-0.1	protein_coding	16	2707102	TNF receptor associated factor 4
43712	ENSG00000200289	EPDR1	42484	-0.1	protein_coding	7	37723446	ependymin related 1
43719	ENSG00000106152	TME6A8	42501	-0.1	protein_coding	9	10425543	transmembrane protein 26b
43722	ENSG00000106152	TME6A8	42501	-0.1	antisense_intronic	9	89145217	apoptosis enhancing nuclease
43727	ENSG00000187721	TSR1	42511	-0.1	protein_coding	17	2225797	TSR1, 20S rRNA associated, homolog (S. cerevisiae)
43730	ENSG00000191077	ZFYVE9	42516	-0.1	protein_coding	6	5650906	zinc finger, FYVE domain containing 9
43733	ENSG00000134241	ZJNHCC1	42519	-0.1	protein_coding	7	6817636	zinc finger, DHRX-type containing 7
43734	ENSG0000011177	ERX2	42525	-0.1	protein_coding	14	6968228	exonuclease 3'-5' domain containing 2
43740	ENSG00000136802	LRRC1A	42538	-0.1	protein_coding	9	13164391	leucine rich repeat containing 9 family, member A
43743	ENSG00000105976	ARHGAP3	42539	-0.1	protein_coding	19	1914334	aromatase repeat containing 6
43745	ENSG00000168515	CDC38	42542	-0.1	protein_coding	19	46913629	collar-coiled domain containing 8
43748	ENSG000001089275	NLKS1	42552	-0.1	protein_coding	1	20591947	nuclear casein kinase and cyclin-dependent kinase substrate 1
43751	ENSG00000106266	NKX6A2	42552	-0.1	protein_coding	1	40192490	NFB inhibitor interaction factor-like
43763	ENSG00000158628	MALSU1	42573	-0.1	protein_coding	7	2333858	mitochondrial assembly of ribosomal large subunit 1
43765	ENSG00000202513	LSRR	42573	-0.1	protein_coding	11	2738708	leucine-rich repeat containing 5 protein-coupled receptor 4
43768	ENSG00000131758	LGR4	42574	-0.1	protein_coding	17	7181055	leucine-rich repeat containing 4
43770	ENSG00000186881	NGRRA1	42580	-0.1	protein_coding	X	10283128	nerve growth factor receptor (TNFRSF16) associated protein 1
43775	ENSG00000196984	CHRNA5	42583	-0.1	protein_coding	15	7885782	cholinergic receptor, nicotinic, alpha 5 (neuronal)
43781	ENSG00000111777	CHRNA5	42583	-0.1	antisense_intronic	15	44412611	cholinergic receptor, nicotinic, alpha 5 (neuronal)
43779	ENSG00000196591	HDAC2	42587	-0.1	protein_coding	6	114284192	histone deacetylase 2
43780	ENSG00000152767	FARP1	42588	-0.1	protein_coding	13	98734816	FERM_RHOGEF (ARHGAP) and pleckstrin domain protein 1 (chondrocyte-derived)
43783	ENSG00000112326	FOXP2	42592	-0.1	protein_coding	12	2966128	forkhead box P2
43786	ENSG00000174219	TEAD3	42598	-0.1	protein_coding	19	48843852	TEA domain family member 2
43788	ENSG00000113552	GNDPA1	42600	-0.1	protein_coding	5	141371314	glucosaminase-6-phosphate deaminase 1
43790	ENSG00000101542	PCSK1	42602	-0.1	antisense_intronic	17	7433217	phosphorylase phosphatase associated-associated protein 1
43793	ENSG00000109929	SCSD	42612	-0.1	protein_coding	11	12118362	serine S-decarboxylase
43800	ENSG00000182979	MAT1	42626	-0.1	protein_coding	14	10588159	metalloproteinase associated 1
43805	ENSG00000105528	PCSK2	42634	-0.1	protein_coding	13	1348634	paraoxonase 2
43808	ENSG00000184916	JAG2	42639	-0.1	protein_coding	14	105507319	suppressor of cytokine, autophagy associated 1
43812	ENSG00000187112	TRUB2	42642	-0.1	protein_coding	9	131071382	TruB pseudouridine (psi) synthase family member 2
43814	ENSG00000104243	PCSK1	42643	-0.1	protein_coding	13	1374835	paraoxonase 2
43815	ENSG00000149838	SOGA1	42658	-0.1	protein_coding	20	35405845	suppressor of cytokine, autophagy associated 1
43819	ENSG00000128841	MYO1B	42660	-0.1	protein_coding	2	192109511	myosin IB
43828	ENSG00000100209	SMARCA1	42713	-0.1	protein_coding	6	4442878	glucosylase-beta-glucosidase
43829	ENSG00000103485	QRRT	42719	-0.1	protein_coding	16	2971020	quinolinate phosphoribosyltransferase
43834	ENSG00000196985	WRSP	42829	-0.1	protein_coding	4	1873151	Wolf-Hirschhorn syndrome candidate 4
43842	ENSG00000109977	PUS1	42837	-0.1	protein_coding	12	1281937	pseudouridine synthase-like 1
43852	ENSG00000154860	INTS1	42713	-0.1	protein_coding	7	1509913	integrator complex subunit 1
43854	ENSG00000175216	CKAP5	42714	-0.1	protein_coding	11	4674598	cytoskeletal associated protein 5
43855	ENSG00000148840	PP3C1	42715	-0.1	protein_coding	10	10396787	peroxisome proliferator-activated receptor gamma, coactivator-related 1
43864	ENSG00000186891	SMARCA1	42718	-0.1	protein_coding	X	12664907	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily A, member 1
43872	ENSG00000196991	ZBT1	42743	-0.1	protein_coding	12	77415027	ESF transcription factor 7
43876	ENSG00000179429	GENIN4	42752	-0.1	protein_coding	14	647854	gem (nuclear organelle) associated protein 4
43878	ENSG00000190814	CCHM1P1	42757	-0.1	protein_coding	16	20789527	cystin B1 interacting protein, E3 ubiquitin protein ligase
43879	ENSG00000155895	KCTD16	42759	-0.1	protein_coding	19	3426686	potassium channel tetramerization domain containing 15
43883	ENSG00000106495	PCSK1	42762	-0.1	protein_coding	19	10516701	DNA fragmentation factor 4, alpha polypeptide
43882	ENSG00000157911	PEX10	42775	-0.1	protein_coding	2	2336226	peroxisomal biogenesis factor 10
43889	ENSG00000130702	LAMA5	42786	-0.1	protein_coding	20	80883011	laminin, alpha 5
43901	ENSG00000178386	TRAF2	42792	-0.1	protein_coding	14	14462924	ligger transcription factor class A domain containing 5
43902	ENSG00000186665	TTC78F	42795	-0.1	protein_coding	17	65899717	chromosome 17 open reading frame 58
43903	ENSG00000195217	IGFBP2	42797	-0.1	protein_coding	17	4707474	insulin-like growth factor 2 mRNA binding protein 1
43907	ENSG00000131997	TRAF3	42798	-0.1	protein_coding	12	7341281	peroxisomal biogenesis factor 5
43916	ENSG00000151718	CLDN22	42822	-0.1	protein_coding	4	18402046	WW and C2 domain containing 2
43917	ENSG00000110841	PPP1R1	42823	-0.1	protein_coding	12	2761634	PTPRF interacting protein, binding protein 1 (lipin beta 1)
43918	ENSG00000200520	TNED1	42828	-0.1	antisense_intronic	19	10643174	transmembrane protein 26b
43923	ENSG00000165271	NOLA	42832	-0.1	protein_coding	9	33461398	nuclear protein 6 (RNA associated)
43925	ENSG00000151748	SV1	42834	-0.1	protein_coding	14	51098776	salivador homolog 1 (Drosophila)
43926	ENSG00000108927	CHERP2	42835	-0.1	protein_coding	19	1662300	calcium homeostasis endoplasmic reticulum protein 2
43929	ENSG00000109245	TAVO3	42838	-0.1	protein_coding	15	41848873	TYRO3 protein tyrosine kinase
43930	ENSG00000100722	ZC3H4	42842	-0.1	protein_coding	14	8902925	zinc finger CCH1-type containing 14
43935	ENSG00000101024	ANKRD54	42845	-0.1	protein_coding	22	3822862	actin repeat domain 54
43938	ENSG00000184070	HSPA4L	42847	-0.1	protein_coding	4	12870297	heat shock 70kDa protein 4-like
43937	ENSG00000195147	DONSON	42848	-0.1	protein_coding	21	34951948	downstream neighbor of SCN
43943	ENSG00000							

43918	ENSG00000130147	SHBP4	42825	-0.11	protein_coding	2	23580017	23584438	SH3-domain binding protein 4
43922	ENSG0000014488	PRKCC	42833	-0.11	protein_coding	19	4882833	4883293	protein phosphatase 5, catalytic subunit
43927	ENSG00000141998	NTSCB	42836	-0.11	protein_coding	17	39981335	39992523	5-nucleotidase, cytosolic IIB
43932	ENSG00000188976	NCCL	42842	-0.11	protein_coding	1	878584	884669	nucleolar complex associated 2 homolog (S. cerevisiae)
43933	ENSG00000128791	TRSG1	42844	-0.11	protein_coding	18	8334765	8402418	nucleolar complex associated 2 homolog (S. cerevisiae)
43946	ENSG00000142973	OTTRBP	42952	-0.11	protein_coding	1	11293803	11309274	twisted gastrulation BMP signaling modulator 1
43954	ENSG00000145554	FLXNA1	42875	-0.11	protein_coding	3	128707437	128756235	plexin A1
43960	ENSG00000198950	SCR8	42884	-0.11	protein_coding	6	1448780	14489749	scribble planar cell polarity protein
43960	ENSG00000198953	RAT1	42887	-0.11	protein_coding	17	1754787	1774787	retroic acid inducible 1
43972	ENSG00000149257	SEPPIN1	42897	-0.11	protein_coding	11	75273101	75283928	serpin peptidase inhibitor, clade H (hepat shock protein 47), member 1 (collagen binding protein 1)
43977	ENSG00000187700	MFSO3	42914	-0.11	protein_coding	8	145734457	145736596	major facilitator superfamily domain containing 3
43978	ENSG00000122883	CHST3	42915	-0.11	protein_coding	10	73724123	73732223	carbohydrate (chondroitin 6) sulfotransferase 3
43981	ENSG00000128022	CENPO	42919	-0.11	protein_coding	2	25018005	25042425	centromere protein D
43981	ENSG00000105228	USP18	42923	-0.11	protein_coding	X	47052089	47107727	ubiquitin specific peptidase 11
44000	ENSG00000184207	PSG	42942	-0.11	protein_coding	16	2281998	2284908	phosphoglycolate phosphatase
44003	ENSG00000141696	LEPREL4	42945	-0.11	protein_coding	17	3958199	3968889	epsin-like 4
44008	ENSG00000100930	POMT2	42964	-0.11	protein_coding	14	7774299	7787227	DAZ interacting zinc finger protein 1
44012	ENSG00000114019	AMOTL2	42966	-0.11	protein_coding	3	13407416	13409421	protein-O-mannosyltransferase 2
44016	ENSG00000139538	KOIC1	42968	-0.11	protein_coding	3	21527025	21576148	argininome-like 2
44018	ENSG0000011428	ANLN	42970	-0.11	protein_coding	7	36428415	36454000	potassium channel transcription domain containing 3
44020	ENSG00000187110	GOLGA2	42973	-0.11	protein_coding	9	13101808	13103874	arilin, actin binding protein
44021	ENSG00000110108	CDC36	42976	-0.11	protein_coding	11	10605644	10618554	golgin A2
44022	ENSG00000106500	AP3D1	42981	-0.11	protein_coding	19	2100888	2144484	collet-coil domain containing 86
44023	ENSG00000125202	FGD1	42983	-0.11	protein_coding	X	54417887	54522599	adaptor-related protein complex 3, delta 1 subunit
44027	ENSG00000142695	KLIC2	42989	-0.11	protein_coding	11	69028765	69033531	FYVE, RhoGEF and PH domain containing 1
44036	ENSG00000138645	ANKRD52	43002	-0.11	protein_coding	12	56631591	56652175	ankyrin repeat domain 52
44039	ENSG00000181441	MARK1	43008	-0.11	protein_coding	1	220701568	220837803	MAMIP3/membrane affinity-regulating kinase 1
44040	ENSG00000170182	FOSL1	43015	-0.11	protein_coding	17	8002565	8003065	fos-like growth factor receptor 3
44044	ENSG00000171160	MORF4	43025	-0.11	protein_coding	10	99374310	99393344	MORN repeat containing 4
44046	ENSG00000130669	PAKA	43034	-0.11	protein_coding	19	39616410	39673456	p21 protein and leucine-rich repeat protein 19
44047	ENSG00000100684	FBI3B	43035	-0.11	protein_coding	19	3003288	3003704	F-box and leucine-rich repeat protein 19
44051	ENSG00000185049	NELFA3	43043	-0.11	protein_coding	4	198444	2043030	negative elongation factor complex member A
44053	ENSG00000123094	RASSF8	43044	-0.11	protein_coding	12	2811962	28232625	Ras association (RAGG/SAR-4) domain family (N-terminal) member B
44053	ENSG00000105999	FBXW7	43045	-0.11	protein_coding	12	1763100	1763300	protein tyrosine phosphatase-like (inhibitor of catalytic arginine), member A
44058	ENSG00000182768	NGRN	43067	-0.11	protein_coding	15	9080891	9081643	neurin, neurite outgrowth associated 1
44059	ENSG00000184930	FZD6	43068	-0.11	protein_coding	8	104310661	104345094	fz-like family receptor 6
44060	ENSG00000186970	DMRT1	43071	-0.11	protein_coding	13	6363113	6363113	chromosome 11 open reading frame 95
44068	ENSG00000137710	RDX	43088	-0.11	protein_coding	11	110049505	110167447	read1
44067	ENSG00000194700	ZNF512B	43089	-0.11	protein_coding	20	82589055	82680113	zinc finger protein 512B
44072	ENSG00000104546	CYTH3	43100	-0.11	protein_coding	11	1280128	1280328	sequitin epoxidase
44076	ENSG00000100829	CYTH3	43105	-0.11	protein_coding	7	6201407	6312275	cystathionase 3
44077	ENSG00000182307	C8orf53	43107	-0.11	protein_coding	8	14627764	14628116	chromosome 8 open reading frame 53
44081	ENSG00000186860	APBB2	43109	-0.11	protein_coding	4	4981204	4921673	amyloid beta (A4) precursor protein-binding, family B, member 2
44083	ENSG00000100974	ELAC3	43113	-0.11	protein_coding	7	1283218	1283218	lysine-specific demethylase 2.2
44088	ENSG00000100204	MGAT	43124	-0.11	protein_coding	22	4352182	4353040	maternal CoA:ACP acyltransferase (mitochondrial)
44088	ENSG0000011756	PKNO3	43151	-0.11	protein_coding	17	39699932	39699945	PKNO3 binding protein 10, 65 kDa
44098	ENSG00000146441	DOCK7	43157	-0.11	protein_coding	17	6292099	6319397	inhibitor of cytohesin 7
44100	ENSG00000152556	PKFM	43172	-0.11	protein_coding	12	4848922	4849187	phosphofruktokinase, muscle
44103	ENSG00000198698	CDH2	43176	-0.11	protein_coding	8	14196799	142012115	protein tyrosine kinase 2
44104	ENSG00000143776	CDC42BPA	43177	-0.11	protein_coding	8	22717746	22730817	CDC42 binding protein kinase alpha (DMPK-like)
44114	ENSG00000157224	CLDN12	43179	-0.11	protein_coding	7	90013035	90014276	claudin 12
44115	ENSG00000152684	PELO	43187	-0.11	protein_coding	5	52063774	52069880	pelota homolog (Drosophila)
44117	ENSG0000015757	TMR6B1	43205	-0.11	protein_coding	2	202462607	202505203	transmembrane protein 237
44119	ENSG00000177425	PAWR	43205	-0.11	protein_coding	12	79968759	80084877	PRKCC, septosin, W1T1, regulator
44122	ENSG00000170598	CDH2	43206	-0.11	protein_coding	18	2553939	2557470	cadherin 2, type 1, N-cadherin (neuronal)
44136	ENSG00000102963	GUCY1C	43211	-0.11	protein_coding	15	4287181	4290384	guanine nucleotide-binding protein gamma 1, 45kDa
44128	ENSG00000188885	ROBO1	43235	-0.11	protein_coding	3	7864839	7861895	roundabout, axon guidance receptor, homolog 1 (Drosophila)
44135	ENSG00000109897	MSANTD3	43250	-0.11	protein_coding	9	10318948	10321351	MyoSAM-like DNA-binding domain containing 3
44136	ENSG00000101124	SNR31B	43251	-0.11	protein_coding	19	3863134	3863134	snRNP-associated motif domain containing 46
44140	ENSG00000184402	8-Sep	43260	-0.11	protein_coding	5	13208509	13214293	septin 8
44142	ENSG00000185655	ZNF503	43262	-0.11	protein_coding	10	7715758	7716164	zinc finger protein 503
44146	ENSG00000188901	TMR6B1	43263	-0.11	protein_coding	10	944941	945048	transmembrane protein 201
44163	ENSG00000204531	SMIT13	43315	-0.11	protein_coding	6	1109426	1113864	small integral membrane protein 13
44163	ENSG00000100487	KDM1A	43326	-0.11	protein_coding	1	2345941	2347102	lysine (K)-specific demethylase 1A
44172	ENSG00000140474	ALX4	43343	-0.11	protein_coding	1	2344183	2345113	alixan 4 LM protein
44184	ENSG00000110435	PDHX	43380	-0.11	protein_coding	11	34937376	35042138	pyruvate dehydrogenase complex, component X
44189	ENSG00000188157	AGRN	43391	-0.11	protein_coding	1	95503	991496	agrin
44196	ENSG00000127816	SMARCA4	43414	-0.11	protein_coding	19	11071596	11176071	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
44199	ENSG00000123352	SPAT2	43418	-0.11	protein_coding	12	4970387	49921205	spermatogenesis associated, serine-rich 2
44223	ENSG00000147681	CYB5B	43433	-0.11	protein_coding	12	4652312	4652312	phospholipase C-3, zeta, regulatory subunit 3 (gamma)
44224	ENSG00000134824	FADS2	43541	-0.11	protein_coding	11	6150452	6163426	faty acid desaturase 2
44229	ENSG00000185718	MIR68B	43570	-0.11	protein_coding	9	138907022	138918502	family with sequence similarity 69, member B
44238	ENSG00000176883	MIR68	43570	-0.11	protein_coding	17	7861846	7861846	novel avian microRNA/retrovirus/Banavirus oncogene homolog G
43919	ENSG00000207349		41792	-0.11	protein_coding	17	7861846	7861846	
43981	ENSG00000181328	DUSP14	42810	-0.11	protein_coding	17	3984937	39873803	dual specificity phosphatase 14
43983	ENSG00000198793	PRKRI	42813	-0.11	protein_coding	13	2288838	2290818	cytoskeletal FAK1 interacting protein 1
44050	ENSG00000156661	PCGF2	43041	-0.11	protein_coding	17	39895150	39905070	polycomb group ring finger 2
44177	ENSG00000131142	ACACA	43357	-0.11	protein_coding	17	5541923	55786909	acyl-CoA carboxylase alpha
44031	ENSG0000014400		42548	-0.11	protein_coding	5	1554812	1554812	aldehyde dehydrogenase 7 family, member A1 (pseudogene 1)
44038	ENSG00000149925	ALDOA	39551	-0.12	protein_coding	16	30064411	30091778	aldolase A, fructose-bisphosphate
41347	ENSG00000155876	RRAAGA	39737	-0.12	protein_coding	9	19049372	19051019	Ras-related GTP binding A
41618	ENSG00000178952	MTOR	40621	-0.12	protein_coding	18	28853732	28857729	Ta1 transduction elongation factor, mitochondrial
1723	ENSG00000171763	TYFC1	40705	-0.12	protein_coding	16	36959174	36960474	mitochondrial carrier 1
41852	ENSG00000135824	CCT7	40721	-0.12	protein_coding	2	7340548	7340149	chaperonin containing TCP1, subunit 7 (eta)
42278	ENSG00000130153	EMC7	40786	-0.12	protein_coding	15	3431616	3439418	ER membrane protein complex subunit 7
4270	ENSG00000130236	MMT	40788	-0.12	protein_coding	16	86311056	86310563	inner membrane protein, mitochondrial
42760	ENSG00000107060	CCDC124	40772	-0.12	protein_coding	19	18043825	18045600	collet-coil domain containing 124
42345	ENSG00000181605	RPN2	40832	-0.12	protein_coding	20	3569819	35697023	ribophorin II
42450	ENSG00000186368	YKT6	40836	-0.12	protein_coding	6	442406697	442406697	YKT6 v-SNARE homolog (S. cerevisiae)
42527	ENSG00000136930	PSMB7	41034	-0.12	protein_coding	9	127115745	127177223	proteasome (prosome, macropain) subunit, beta type 7
42641	ENSG00000194085	PPP2CB	41162	-0.12	protein_coding	8	30631973	30671830	protein phosphatase 2, catalytic subunit, beta isoform
42811	ENSG00000190910	MIR68F1	41200	-0.12	protein_coding	17	864118	864118	Mer1 family leucine protein 1
42832	ENSG00000108893	MLF1	41383	-0.12	protein_coding	12	6857170	6875641	myeloid leukemia factor 2
42897	ENSG00000199999	KEAP1	41453	-0.12	protein_coding	19	10596796	10614417	kelch-like ECH-associated protein 1
42964	ENSG00000196998	CEP350	41512	-0.12	protein_coding	8	12231386	12237045	cytoplasmic dynein 1 (nonflag)
43019	ENSG00000102119	EMD	41585	-0.12	protein_coding	X	153607557	153609883	emerin
43026	ENSG00000197858								

43032	ENSG00000143612	CTHRA3	41601.9	-0.14	protein_coding	1	154179182	154183104	chromosome 1 open reading frame 43
43231	ENSG00000134590	FAM127A	41336.8	-0.14	protein_coding	X	134186333	134187376	family with sequence similarity 127, member A
43487	ENSG00000105438	KDELR1	42176.3	-0.14	protein_coding	19	48685827	48694810	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1
43566	ENSG00000202390	FAM127B	42301.7	-0.14	protein_coding	X	134184962	134186226	family with sequence similarity 127, member B
43600	ENSG00000117519	CN3	42344.4	-0.14	protein_coding	1	85042507	85042684	calponin 3, acidic
43671	ENSG00000123985	CHPF	42342.2	-0.14	protein_coding	2	220433669	220434509	chondroitin polymerizing factor
43721	ENSG00000107404	DVL1	42501.7	-0.14	protein_coding	1	1270656	128470	disevelled segment polarity protein 1
43756	ENSG00000189721	GPS1	42553.6	-0.14	protein_coding	17	80048587	80015346	G protein pathway suppressor 1
43764	ENSG00000125901	MPS9B	42573.8	-0.14	protein_coding	20	3008991	3008990	mitochondrial ribosomal protein S26
43774	ENSG00000089597	GANAB	42582.9	-0.14	protein_coding	11	62392298	62414194	glucosylase, alpha, neutral AB
43796	ENSG00000131462	TUBB1	42624.9	-0.14	protein_coding	17	40741694	40787252	tubulin gamma 1
43865	ENSG00000186928	PSD2	42702.3	-0.14	protein_coding	7	44154266	44183867	postsynaptic density protein 2, accessory subunit
43885	ENSG00000111328	CDK2AP1	42787.9	-0.14	protein_coding	12	123745528	123756881	cyclin-dependent kinase 2 associated protein
43903	ENSG00000111807	UBP5	42778.6	-0.14	protein_coding	12	6981262	6975798	ubiquitin specific peptidase 5 (acrosin) 1
43940	ENSG00000175222	MAGEB1	42822.3	-0.14	protein_coding	X	51648103	51648453	melanoma antigen family D, 1
43968	ENSG00000130728	TRIM28	42888	-0.14	protein_coding	19	59054548	59062089	triple motif containing 28
44002	ENSG00000073172	FERMT2	42944	-0.14	protein_coding	14	53323996	53419153	feritin family member 2
44064	ENSG00000132381	GLIH	43003.4	-0.14	protein_coding	17	2996980	29916907	clustered mitochondria (GLICLI1) homolog
44092	ENSG00000202053	HN1L	43143.7	-0.14	protein_coding	16	1728257	1728281	hematological and neurological expressed 1 like
44093	ENSG00000164304	ALDH7A1	43148.2	-0.14	protein_coding	5	125871533	125831110	aldehyde dehydrogenase 7 family, member A1
44106	ENSG00000202020	BCAT5	43184.8	-0.14	protein_coding	16	75252528	75201861	breast cancer and estrogen resistance 1
44110	ENSG00000176619	LMNB2	43192	-0.14	protein_coding	19	2427636	2456994	lamin B2
44111	ENSG00000188706	ZDHHC9	43193.3	-0.14	protein_coding	X	128931264	128917885	zinc finger, DHHC-type containing 9
44113	ENSG00000101763	TBL3	43195.6	-0.14	protein_coding	16	2022018	2022934	transducin beta-like 3
44120	ENSG00000198880	TUSC1	43206.5	-0.14	protein_coding	9	2567836	25678856	tumor suppressor candidate 1
44125	ENSG00000065150	IFP3	43229.9	-0.14	protein_coding	13	98626912	98676551	importin 5
44130	ENSG00000101460	PSMT5	43239.6	-0.14	protein_coding	15	23389220	23389754	proteasome activator subunit 5
44141	ENSG00000202772	TOMM34	43282	-0.14	protein_coding	20	4357071	43588127	translocase of outer mitochondrial membrane 34
44148	ENSG00000181079	TEAD1	43282.3	-0.14	protein_coding	11	12695969	12696288	TEA domain family member 1 (SV40 transcriptional enhancer factor)
44151	ENSG00000138655	SRFBP1	43313.3	-0.14	protein_coding	12	7931467	7931466	steroid hormone receptor binding protein 1
44160	ENSG00000198911	SREBF2	43313.3	-0.14	protein_coding	12	42228109	42230312	sterol regulatory element binding transcription factor 2
44166	ENSG00000181207	RUVBL2	43329.3	-0.14	protein_coding	19	49484705	49519252	RuvB-like AAA ATPase 2
44168	ENSG00000131422	UBP2	43335.4	-0.14	protein_coding	17	2995201	29914703	ubiquitin specific peptidase 22
44174	ENSG00000100401	RANGAP1	43354.5	-0.14	protein_coding	22	41641615	41682255	Ran GTPase activating protein 1
44176	ENSG00000168268	NTSDC2	43357.5	-0.14	protein_coding	3	52543386	52569070	5'-nucleotidase domain containing 2
44178	ENSG00000130363	WRK5	43359.3	-0.14	protein_coding	16	13702693	13702693	WR repeat domain 5
44182	ENSG000002024073	AKT1S1	43374.1	-0.14	protein_coding	19	50372295	50381716	AKT1 substrate 1 (proline-rich)
44196	ENSG00000191480	TM64A	43411.6	-0.14	protein_coding	19	7991603	8000895	translocase of inner mitochondrial membrane 44 homolog (yeast)
44198	ENSG00000102296	GPR156	43426.3	-0.14	protein_coding	4	23416984	23417177	G protein-coupled receptor 125
44208	ENSG00000107338	SHB	43439.1	-0.14	protein_coding	9	37919131	38069210	Src homology 2 domain containing adaptor protein B
44209	ENSG00000104341	LAPTMAB	43448.5	-0.14	protein_coding	8	98787285	98885241	lysosomal protein transmembrane 4 beta
44233	ENSG00000090971	NAT4	43525.8	-0.14	protein_coding	19	55998031	55998956	N-acetyltransferase 14 (GCN5-related, putative)
44237	ENSG00000105578	TMPO2	43561	-0.14	protein_coding	19	12810008	12814825	transcriptin 2
44242	ENSG00000103353	UBFD1	43701.3	-0.14	protein_coding	16	23568392	23585710	ubiquitin family domain containing 1
44243	ENSG00000102670	ZNF69	43723.9	-0.14	protein_coding	18	30749778	30789653	zinc finger protein 629
44246	ENSG00000215511	PPME1	43802.5	-0.14	protein_coding	11	73865144	73867148	protein phosphatase methylesterase 1
44063	ENSG00000197358		43082.6	-0.14	transcribed_processed_pseudo_gene	14	28733596	28735180	BCL2/adenovirus E1B 19kDa interacting protein 3 pseudogene 1
43151	ENSG00000134308	YWHAQ	41734	-0.15	protein_coding	2	9724101	9724143	tyrosine 3-monooxygenase/tyrosinase 5-monooxygenase activation protein, theta
43371	ENSG00000004142	POLIP2	42032.2	-0.15	protein_coding	17	26673659	26684545	polymerase (DNA-directed), delta interacting protein 2
43412	ENSG00000105589	PPP2R7A	42054.9	-0.15	protein_coding	19	50793262	50773087	protein phosphatase 2, regulatory subunit A, alpha
43617	ENSG00000006262	SEC1A1	42366.4	-0.15	protein_coding	3	127770484	127780526	Sec1/1 alpha 1 subunit 5 (cysteine)
43728	ENSG00000176946	THAP4	42513.6	-0.15	protein_coding	2	24252350	242576884	THAP domain containing 4
43840	ENSG00000175166	PSMD2	42694.6	-0.15	protein_coding	3	184018497	184126842	proteasome (prosome, macropain) 20S subunit, non-ATPase 2
43870	ENSG00000145447	EG2	42748.7	-0.15	protein_coding	11	12543912	12544476	elastin related factor 2
43947	ENSG00000188229	TUBB4B	42884.5	-0.15	protein_coding	9	140135665	140138159	tubulin beta 4B class IVb
43949	ENSG00000101444	AMCY	42873.1	-0.15	protein_coding	20	32868074	32869408	adenylhomocysteine
43985	ENSG00000111978	ATN1	42924.6	-0.15	protein_coding	12	7033626	7051484	atrophin 1
44042	ENSG00000212747	FAM127C	43017.8	-0.15	protein_coding	X	134154543	134156559	family with sequence similarity 127, member C
44055	ENSG00000114354	TFE	43086.2	-0.15	protein_coding	3	100428205	100467810	TFII-E fused gene
44073	ENSG00000194756	CDC42BPB	43096.4	-0.15	protein_coding	14	103837818	103832789	CDC42 binding protein kinase beta (DMPK-like)
44087	ENSG00000108829	LRRCS9	43122.7	-0.15	protein_coding	17	48452420	48474814	leucine rich repeat containing 59
44124	ENSG00000104907	TJPI	43229.8	-0.15	protein_coding	15	29991571	30261068	tight junction protein 1
44165	ENSG00000080733	CTTN	43300.4	-0.15	protein_coding	11	70244510	70202990	catenin
44170	ENSG00000169957	ZNF768	43335.9	-0.15	protein_coding	16	30535325	30538142	zinc finger protein 768
44173	ENSG00000097507	ABL1	43353.9	-0.15	protein_coding	9	133589333	133763262	c-abl oncogene 1, non-receptor tyrosine kinase
44188	ENSG00000101723	SPRY1	43383.1	-0.15	protein_coding	9	91003334	91003409	spredin 1
44191	ENSG00000070087	PN2	43387.7	-0.15	protein_coding	3	149682691	149768575	profilin 2
44201	ENSG00000115677	HDLBP	43416.5	-0.15	protein_coding	2	242186679	242256476	high density lipoprotein binding protein
44207	ENSG00000131402	DAG1	43440.8	-0.15	protein_coding	3	49505148	49573548	diacylglycerol 1 (diacylglycerol-associated glycoprotein 1)
44214	ENSG00000157593	SLC35B2	43473.4	-0.15	protein_coding	6	44221833	44225291	solute carrier family 35 (adenosine 3'-phospho 5'-phosphosulfate transporter), member B2
44232	ENSG00000118200	CAMSAP2	43594.6	-0.15	protein_coding	1	200708686	200829632	calmodulin regulated spectrin-associated protein family, member 2
44235	ENSG00000212128	CORL	43631.4	-0.15	protein_coding	X	139673828	139726538	oculocutaneous syndrome of Lowe
44241	ENSG00000114867	EIF4C1	43693.9	-0.15	protein_coding	3	184032283	184053146	eukaryotic translation initiation factor 4 gamma, 1
43980	ENSG00000173288	TOMM20	42817.3	-0.16	protein_coding	1	238272651	238282251	translocase of outer mitochondrial membrane 20 homolog (yeast)
44134	ENSG00000036788	NOXAP1	43345.3	-0.16	protein_coding	1	183773843	183803586	NOX-associated protein 1
44144	ENSG00000117411	BAGAL2	43283.8	-0.16	protein_coding	1	44444615	44456840	UDP-Gal beta(4)GalNAc beta 1,4-galactosyltransferase, polypeptide 2
44146	ENSG00000116237	ICMT	43273	-0.16	protein_coding	1	6281253	6296032	isopentenylcysteine carboxyl methyltransferase
44171	ENSG00000101020	RBPX2	43339.3	-0.16	protein_coding	22	38134783	38124473	RNA binding protein, beta 1 homolog (C-isoform) 2
44210	ENSG00000080707	TRIP6	43451	-0.16	protein_coding	7	100484760	100471076	thyroid hormone receptor interactor 6
44219	ENSG00000104723	TUSC2	43510	-0.16	protein_coding	7	15274724	15824158	tumor suppressor candidate 3
44118	ENSG00000004115	CTNNA1	43205.3	-0.17	protein_coding	5	137846558	138270723	catenin (cadherin-associated protein), alpha 1, 102kDa
44131	ENSG00000116957	TNEM9	43243.7	-0.17	protein_coding	1	201103900	201140702	transmembrane protein 9
44213	ENSG00000154390	ENAH	43469.8	-0.17	protein_coding	1	225674337	225840844	enabled homolog (Drosophila)
44227	ENSG00000102225	CKK1H	43562.6	-0.17	protein_coding	25	47077259	47089398	cyclin-dependent kinase 18
44244	ENSG00000213923	CSNK1E	43759.3	-0.18	protein_coding	7	96666929	96745527	casein kinase 1, epsilon

Supplemental Table 16. FuncPred analysis of LINC01871 function				
count	keyword	category	description	fd
1	HAINGARE	GSEA_H	HALLMARK INTERFERON GAMMA RESPONSE	4.00E-07
2	HAINALRE	GSEA_H	HALLMARK INTERFERON ALPHA RESPONSE	4.00E-07
3	HALINFRES	GSEA_H	HALLMARK INFLAMMATORY RESPONSE	4.00E-07
4	HIJSS	GSEA_H	HALLMARK IL6 JAK STAT3 SIGNALING	4.00E-07
5	HALALLREJ	GSEA_H	HALLMARK ALLOGRAFT REJECTION	4.00E-07
6	HALLMARKCOMPLEMENT	GSEA_H	HALLMARK COMPLEMENT	6.80E-07
7	HTSVN	GSEA_H	HALLMARK TNFA SIGNALING VIA NFKB	6.80E-07
8	GO:0042101	GO_CC	T cell receptor complex	1.40E-06
9	GO:0044815	GO_CC	DNA packaging complex	1.40E-06
10	GO:0045335	GO_CC	phagocytic vesicle	1.40E-06
11	RPSDN.UP	GSEA_C6	RPS14 DN.V1 UP	3.10E-06
12	GO:0003823	GO_MF	antigen binding	6.50E-06
13	GO:0004896	GO_MF	cytokine receptor activity	6.50E-06
14	DOID:9744	DO	Diabetes Mellitus, Insulin-Dependent	1.30E-05
15	DOID:627	DO	Severe Combined Immunodeficiency	1.30E-05
16	DOID:628	DO	Combined immunity deficiency	1.30E-05
17	GO:0098552	GO_CC	side of membrane	1.60E-05
18	HALLSTSI	GSEA_H	HALLMARK IL2 STAT5 SIGNALING	0.00033
19	GO:0042287	GO_MF	MHC protein binding	0.00051
20	GO:0001772	GO_CC	immunological synapse	0.00071
21	GO:0030670	GO_CC	phagocytic vesicle membrane	0.00089
22	DOID:8778	DO	Regional enteritis of unspecified site	0.0016
23	DOID:612	DO	Immunologic Deficiency syndromes	0.0017
24	GO:0009897	GO_CC	external side of plasma membrane	0.0018
25	GO:1990104	GO_CC	DNA bending complex	0.0019
26	GO:0000786	GO_CC	nucleosome	0.0019
27	GO:0032393	GO_MF	MHC class I receptor activity	0.002
28	GO:0030139	GO_CC	endocytic vesicle	0.0021
29	GO:0098553	GO_CC	luminal side of endoplasmic reticulum membrane	0.0025
30	GO:0071556	GO_CC	integral component of luminal side of endoplasmic reticulum membrane	0.0025
31	GO:0098576	GO_CC	luminal side of membrane	0.0025
32	GO:0035591	GO_MF	signaling adaptor activity	0.0028
33	GO:0030666	GO_CC	endocytic vesicle membrane	0.0031
34	GO:0005766	GO_CC	primary lysosome	0.0045
35	GO:0042582	GO_CC	azurophil granule	0.0045
36	GO:0042605	GO_MF	peptide antigen binding	0.0048
37	GO:0048020	GO_MF	CCR chemokine receptor binding	0.0052
38	HOXDN.UP	GSEA_C6	HOXA9 DN.V1 UP	0.0071
39	HALLMARKAPOPTOSIS	GSEA_H	HALLMARK APOPTOSIS	0.0076
40	DOID:0060056	DO	NA	0.0096
41	GO:0005125	GO_MF	cytokine activity	0.011
42	GO:0001637	GO_MF	G-protein coupled chemoattractant receptor activity	0.013
43	GO:0004950	GO_MF	chemokine receptor activity	0.013
44	DOID:2914	DO	immune system disease	0.013
45	GO:0042288	GO_MF	MHC class I protein binding	0.013
46	GO:0015026	GO_MF	coreceptor activity	0.015
47	DOID:2583	DO	Hypogammaglobulinemia	0.015
48	GO:0001891	GO_CC	phagocytic cup	0.017
49	GO:0043235	GO_CC	receptor complex	0.017
50	DOID:3265	DO	Granulomatous disease, chronic	0.019
51	DOID:3262	DO	NA	0.019
52	DOID:12177	DO	Common Variable Immunodeficiency	0.019
53	GO:0043020	GO_CC	NADPH oxidase complex	0.02
54	GO:0019956	GO_MF	chemokine binding	0.02
55	DOID:2115	DO	B-Cell Deficiency	0.02
56	DOID:417	DO	autoimmune disease	0.02
57	HALHEMMET	GSEA_H	HALLMARK HEME METABOLISM	0.021
58	GO:0008009	GO_MF	chemokine activity	0.025
59	GO:0012507	GO_CC	ER to Golgi transport vesicle membrane	0.027
60	HAKRSIUP	GSEA_H	HALLMARK KRAS SIGNALING UP	0.027
61	GO:0042581	GO_CC	specific granule	0.028
62	DOID:6688	DO	Autoimmune lymphoproliferative syndrome	0.028

63	GO:0097342	GO_CC	riposome	0.03
64	GO:0031726	GO_MF	CCR1 chemokine receptor binding	0.031
65	GO:0005767	GO_CC	secondary lysosome	0.032
66	GNAPLASIG	GSEA_C2	GNATENKO PLATELET SIGNATURE	0.033
67	KTOMAF	GSEA_C2	KUMAR TARGETS OF MLL AF9 FUSION	0.033
68	PITCJNPA	GSEA_C2	PID TCR JNK PATHWAY	0.034
69	ZLDGD	GSEA_C2	ZHAN LATE DIFFERENTIATION GENES DN	0.034
70	HINFIMIN	GSEA_C6	HINATA NFKB IMMU INF	0.034
71	NGASSD	GSEA_C2	NIELSEN GIST AND SYNOVIAL SARCOMA DN	0.034
72	GO:0042379	GO_MF	chemokine receptor binding	0.034
73	WISTTAGR	GSEA_C2	WIERENGA STAT5A TARGETS GROUP2	0.034
74	GCLLU	GSEA_C2	GUTIERREZ CHRONIC LYMPHOCYTIC LEUKEMIA UP	0.035
75	DOID:7997	DO	Thyrotoxicosis	0.035
76	GO:0005126	GO_MF	cytokine receptor binding	0.035
77	WECVNU	GSEA_C2	WANG ESOPHAGUS CANCER VS NORMAL UP	0.035
78	DLRLD	GSEA_C2	DIRMEIER LMP1 RESPONSE LATE DN	0.036
79	GO:0032649	GO_BP	regulation of interferon-gamma production	0.036
80	GO:0032395	GO_MF	MHC class II receptor activity	0.036
81	GFTGP	GSEA_C2	GAVIN FOXP3 TARGETS CLUSTER P4	0.036
82	GO:0097028	GO_BP	dendritic cell differentiation	0.036
83	GO:0001773	GO_BP	myeloid dendritic cell activation	0.036
84	GO:0080134	GO_BP	regulation of response to stress	0.036
85	RNATFRPBC8A	GSEA_C2	REACTOME NFKB ACTIVATION THROUGH FADD RIP1 PATHWAY MEDIATED BY CASPASE 8 AND10	0.037
86	GCDVNQD	GSEA_C2	GRAHAM CML DIVIDING VS NORMAL QUIESCENT DN	0.037
87	GO:2000106	GO_BP	regulation of leukocyte apoptotic process	0.037
88	GO:0098543	GO_BP	detection of other organism	0.037
89	GO:0002294	GO_BP	CD4-positive, alpha-beta T cell differentiation involved in immune response	0.037
90	GO:0042093	GO_BP	T-helper cell differentiation	0.037
91	GO:0050855	GO_BP	regulation of B cell receptor signaling pathway	0.037
92	GO:0035872	GO_BP	nucleotide-binding domain, leucine rich repeat containing receptor signaling pathway	0.037
93	ONFOTAUP	GSEA_C2	ONO FOXP3 TARGETS UP	0.038
94	GO:0045414	GO_BP	regulation of interleukin-8 biosynthetic process	0.038
95	KFERSP	GSEA_C2	KEGG FC EPSILON RI SIGNALING PATHWAY	0.038
96	GO:0034728	GO_BP	nucleosome organization	0.038
97	RHUAD	GSEA_C2	REACTOME HYALURONAN UPTAKE AND DEGRADATION	0.038
98	BIOCASPAT	GSEA_C2	BIOCARTA CASPASE PATHWAY	0.038
99	GO:0002823	GO_BP	negative regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	0.038
100	GO:0001916	GO_BP	positive regulation of T cell mediated cytotoxicity	0.038
101	GO:0010008	GO_CC	endosome membrane	0.039
102	FBCSS	GSEA_C2	FINAK BREAST CANCER SDPP SIGNATURE	0.039
103	GO:1900101	GO_BP	regulation of endoplasmic reticulum unfolded protein response	0.039
104	RAOIMBTIE	GSEA_C2	REACTOME ACTIVATION OF IRF3 IRF7 MEDIATED BY TBK1 IKK EPSILON	0.039
105	GO:0002230	GO_BP	positive regulation of defense response to virus by host	0.039
106	DOID:620	DO	Blood Protein disorders	0.039
107	TTORRFGD	GSEA_C2	TONKS TARGETS OF RUNX1 RUNX1T1 FUSION GRANULOCYTE DN	0.039
108	GO:0038093	GO_BP	Fc receptor signaling pathway	0.04
109	GO:0048520	GO_BP	positive regulation of behavior	0.04
110	GO:0016045	GO_BP	detection of bacterium	0.04
111	GO:0000323	GO_CC	lytic vacuole	0.04
112	GO:0005764	GO_CC	lysosome	0.04
113	XRTTANU	GSEA_C2	XU RESPONSE TO TRETINOIN AND NSC682994 UP	0.04
114	GO:0060334	GO_BP	regulation of interferon-gamma-mediated signaling pathway	0.04
115	RASNFKTAR	GSEA_C2	RASHI NFKB1 TARGETS	0.04
116	GO:0050700	GO_MF	CARD domain binding	0.04
117	APPIMARES	GSEA_C2	APPEL IMATINIB RESPONSE	0.041
118	GO:0002691	GO_BP	regulation of cellular extravasation	0.042
119	GO:0042228	GO_BP	interleukin-8 biosynthetic process	0.042
120	CRTMD	GSEA_C2	CHAUHAN RESPONSE TO METHOXYESTRADIOL DN	0.042
121	GO:0045576	GO_BP	mast cell activation	0.042

122	TTONHF1U	GSEA_C2	TAKEDA TARGETS OF NUP98 HOXA9 FUSION 16D UP	0.042
123	GO:0007259	GO_BP	JAK-STAT cascade	0.042
124	GO:0071723	GO_MF	lipopeptide binding	0.042
125	REACTOMEAMYLOIDS	GSEA_C2	REACTOME AMYLOIDS	0.042
126	GO:0002755	GO_BP	MyD88-dependent toll-like receptor signaling pathway	0.042
127	GO:0032481	GO_BP	positive regulation of type I interferon production	0.043
128	RI35AGCS	GSEA_C2	REACTOME IL 3 5 AND GM CSF SIGNALING	0.043
129	LVPUCU	GSEA_C2	LIU VAV3 PROSTATE CARCINOGENESIS UP	0.043
130	KADCCD	GSEA_C2	KIM ALL DISORDERS CALB1 CORR DN	0.043
131	GO:0030890	GO_BP	positive regulation of B cell proliferation	0.044
132	SBCLC8	GSEA_C2	SHIN B CELL LYMPHOMA CLUSTER 8	0.044
133	LSBM2	GSEA_C2	LIANG SILENCED BY METHYLATION 2	0.044
134	GO:0032740	GO_BP	positive regulation of interleukin-17 production	0.044
135	DOID:3211	DO	Lysosomal Storage diseases	0.044
136	WOCLU	GSEA_C2	WAMUNYOKOLI OVARIAN CANCER LMP UP	0.044
137	GO:0005070	GO_MF	SH3/SH2 adaptor activity	0.044
138	GO:0032635	GO_BP	interleukin-6 production	0.044
139	BIOD4PAT	GSEA_C2	BIOCARTA CD40 PATHWAY	0.044
140	BATFTAUP	GSEA_C2	BAUS TFF2 TARGETS UP	0.044
141	DOID:2916	DO	NA	0.045
142	DOID:9074	DO	Systemic lupus erythematosus	0.045
143	WABAESUP	GSEA_C2	WANG BARRETTES ESOPHAGUS UP	0.045
144	WISTAUP	GSEA_C2	WIERENGA STAT5A TARGETS UP	0.045
145	BIOSTAPAT	GSEA_C2	BIOCARTA STATHMIN PATHWAY	0.045
146	GO:0032495	GO_BP	response to muramyl dipeptide	0.045
147	TACETAUP	GSEA_C2	TAVOR CEBPA TARGETS UP	0.045
148	GO:0046477	GO_BP	glycosylceramide catabolic process	0.045
149	GO:0042590	GO_BP	antigen processing and presentation of exogenous peptide antigen via MHC class I	0.045
150	SAFASSIG	GSEA_C2	SA FAS SIGNALING	0.045
151	KIGLTADN	GSEA_C2	KIM GLIS2 TARGETS DN	0.045
152	GO:2001056	GO_BP	positive regulation of cysteine-type endopeptidase activity	0.046
153	GO:0042554	GO_BP	superoxide anion generation	0.046
154	GO:0070229	GO_BP	negative regulation of lymphocyte apoptotic process	0.046
155	GO:0001909	GO_BP	leukocyte mediated cytotoxicity	0.046
156	GO:0032633	GO_BP	interleukin-4 production	0.046
157	GO:0032673	GO_BP	regulation of interleukin-4 production	0.046
158	GO:0048007	GO_BP	antigen processing and presentation, exogenous lipid antigen via MHC class Ib	0.046
159	GO:0048003	GO_BP	antigen processing and presentation of lipid antigen via MHC class Ib	0.046
160	ALS1U	GSEA_C2	ABBUD LIF SIGNALING 1 UP	0.046
161	GO:0043029	GO_BP	T cell homeostasis	0.046
162	GO:0044440	GO_CC	endosomal part	0.046
163	GO:0048872	GO_BP	homeostasis of number of cells	0.046
164	NRTDID	GSEA_C2	NUNODA RESPONSE TO DASATINIB IMATINIB DN	0.047
165	GO:0042269	GO_BP	regulation of natural killer cell mediated cytotoxicity	0.047
166	DOID:8857	DO	Lupus erythematosus	0.047
167	BMMDD	GSEA_C2	BOYLAN MULTIPLE MYELOMA D DN	0.047
168	GO:0019882	GO_BP	antigen processing and presentation	0.048
169	HEHDTADN	GSEA_C2	HELLER HDAC TARGETS DN	0.048
170	MVIRU	GSEA_C2	MARSHALL VIRAL INFECTION RESPONSE UP	0.048
171	WRTGISU	GSEA_C2	WANG RESPONSE TO GSK3 INHIBITOR SB216763 UP	0.048
172	RGMAC	GSEA_C2	REACTOME GPVI MEDIATED ACTIVATION CASCADE	0.048
173	GO:2000108	GO_BP	positive regulation of leukocyte apoptotic process	0.048
174	GO:0032703	GO_BP	negative regulation of interleukin-2 production	0.049
175	GO:0032675	GO_BP	regulation of interleukin-6 production	0.049
176	PIHINEPA	GSEA_C2	PID HIV NEF PATHWAY	0.049
177	REIL2SI	GSEA_C2	REACTOME IL 2 SIGNALING	0.049
178	GO:0050777	GO_BP	negative regulation of immune response	0.049
179	PRSOTAUP	GSEA_C2	PRAMOONJAGO SOX4 TARGETS UP	0.049
180	LENATLY	GSEA_C2	LEE NAIVE T LYMPHOCYTE	0.05
181	GO:0038123	GO_BP	toll-like receptor TLR1:TLR2 signaling pathway	0.05
182	GO:0038124	GO_BP	toll-like receptor TLR6:TLR2 signaling pathway	0.05

Supplemental Table 17. lncRNA2function analysis of LINC01871 function

Count	lncRNA Id	lncRNA name	GO term Id	GO term name	Background frequency	Sample frequency	P-value	Corrected P-value
1	ENSG00000235576	AC092580.4	GO:0002376	immune system process	151/20447	93/232	3.40E-43	7.71E-39
2	ENSG00000235576	AC092580.4	GO:0002852	regulation of immune system process	879/20447	67/232	6.39E-37	7.22E-33
3	ENSG00000235576	AC092580.4	GO:0006955	immune response	867/20447	64/232	2.39E-34	1.80E-30
4	ENSG00000235576	AC092580.4	GO:0046649	lymphocyte activation	276/20447	40/232	1.39E-32	7.90E-29
5	ENSG00000235576	AC092580.4	GO:0045321	leukocyte activation	344/20447	42/232	4.50E-31	2.04E-27
6	ENSG00000235576	AC092580.4	GO:0002684	positive regulation of immune system process	522/20447	49/232	7.55E-31	2.85E-27
7	ENSG00000235576	AC092580.4	GO:0050776	regulation of immune response	527/20447	48/232	1.30E-29	4.20E-26
8	ENSG00000235576	AC092580.4	GO:0001775	cell activation	557/20447	48/232	1.59E-28	4.51E-25
9	ENSG00000235576	AC092580.4	GO:0048583	regulation of response to stimulus	2379/20447	92/232	3.80E-28	9.56E-25
10	ENSG00000235576	AC092580.4	GO:0051249	regulation of lymphocyte activation	296/20447	37/232	8.88E-28	2.01E-24
11	ENSG00000235576	AC092580.4	GO:0002694	regulation of leukocyte activation	337/20447	38/232	7.59E-27	1.56E-23
12	ENSG00000235576	AC092580.4	GO:0042110	T cell activation	176/20447	30/232	9.88E-27	1.87E-23
13	ENSG00000235576	AC092580.4	GO:0050865	regulation of cell activation	362/20447	38/232	1.06E-25	1.85E-22
14	ENSG00000235576	AC092580.4	GO:0002768	immune response-regulating cell surface receptor signaling pathway	127/20447	26/232	1.87E-25	1.02E-22
15	ENSG00000235576	AC092580.4	GO:0050778	positive regulation of immune response	331/20447	39/232	6.60E-25	9.96E-22
16	ENSG00000235576	AC092580.4	GO:0050896	response to stimulus	6195/20447	145/232	2.53E-24	3.58E-21
17	ENSG00000235576	AC092580.4	GO:0007165	signal transduction	3612/20447	107/232	8.86E-24	1.18E-20
18	ENSG00000235576	AC092580.4	GO:0002429	immune response-activating cell surface receptor signaling pathway	117/20447	24/232	1.36E-23	1.71E-20
19	ENSG00000235576	AC092580.4	GO:0050863	regulation of T cell activation	224/20447	30/232	1.55E-23	1.85E-20
20	ENSG00000235576	AC092580.4	GO:0002696	positive regulation of leukocyte activation	230/20447	30/232	3.42E-23	3.88E-20
21	ENSG00000235576	AC092580.4	GO:0051251	positive regulation of lymphocyte activation	212/20447	29/232	4.81E-23	5.18E-20
22	ENSG00000235576	AC092580.4	GO:0006952	defense response	968/20447	54/232	6.48E-23	6.67E-20
23	ENSG00000235576	AC092580.4	GO:0050867	positive regulation of cell activation	240/20447	30/232	1.21E-22	1.20E-19
24	ENSG00000235576	AC092580.4	GO:0050851	antigen receptor-mediated signaling pathway	110/20447	22/232	1.86E-21	1.75E-18
25	ENSG00000235576	AC092580.4	GO:0050870	positive regulation of T cell activation	166/20447	25/232	4.78E-21	4.33E-18
26	ENSG00000235576	AC092580.4	GO:0007154	cell communication	4202/20447	111/232	9.49E-21	7.96E-18
27	ENSG00000235576	AC092580.4	GO:0002352	signaling	4081/20447	109/232	1.19E-20	9.28E-18
28	ENSG00000235576	AC092580.4	GO:0044700	single organism signaling	4081/20447	109/232	1.19E-20	9.28E-18
29	ENSG00000235576	AC092580.4	GO:0002764	immune response-regulating signaling pathway	218/20447	27/232	2.33E-20	1.70E-17
30	ENSG00000235576	AC092580.4	GO:0048584	positive regulation of response to stimulus	1154/20447	54/232	2.05E-19	1.45E-16
31	ENSG00000235576	AC092580.4	GO:0050789	regulation of biological process	8230/20447	160/232	5.94E-19	4.08E-16
32	ENSG00000235576	AC092580.4	GO:0002757	immune response-activating signal transduction	206/20447	25/232	1.05E-18	6.98E-16
33	ENSG00000235576	AC092580.4	GO:0051716	cellular response to stimulus	4596/20447	113/232	1.10E-18	7.12E-16
34	ENSG00000235576	AC092580.4	GO:0002253	activation of immune response	257/20447	27/232	1.76E-18	1.11E-15
35	ENSG00000235576	AC092580.4	GO:0030098	lymphocyte differentiation	159/20447	22/232	7.85E-18	4.80E-15
36	ENSG00000235576	AC092580.4	GO:0065007	biological regulation	8721/20447	163/232	1.21E-17	7.21E-15
37	ENSG00000235576	AC092580.4	GO:0050794	regulation of cellular process	7813/20447	152/232	2.50E-17	1.45E-14
38	ENSG00000235576	AC092580.4	GO:0002521	leukocyte differentiation	226/20447	24/232	1.20E-16	6.79E-14
39	ENSG00000235576	AC092580.4	GO:0030217	T cell differentiation	105/20447	18/232	1.67E-16	9.24E-14
40	ENSG00000235576	AC092580.4	GO:0007166	cell surface receptor signaling pathway	2050/20447	67/232	5.45E-16	2.94E-13
41	ENSG00000235576	AC092580.4	GO:0048534	hematopoietic or lymphoid organ development	423/20447	30/232	1.07E-15	5.86E-13
42	ENSG00000235576	AC092580.4	GO:0002520	immune system development	448/20447	30/232	4.74E-15	2.38E-12
43	ENSG00000235576	AC092580.4	GO:0030097	hemopoiesis	383/20447	28/232	5.12E-15	2.52E-12
44	ENSG00000235576	AC092580.4	GO:0031295	T cell costimulation	66/20447	14/232	1.82E-14	8.75E-12
45	ENSG00000235576	AC092580.4	GO:0048518	positive regulation of biological process	3547/20447	89/232	1.87E-14	8.82E-12
46	ENSG00000235576	AC092580.4	GO:0031294	lymphocyte costimulation	67/20447	14/232	2.27E-14	1.05E-11
47	ENSG00000235576	AC092580.4	GO:0050852	T cell receptor signaling pathway	83/20447	15/232	2.59E-14	1.18E-11
48	ENSG00000235576	AC092580.4	GO:0002697	regulation of immune effector process	222/20447	21/232	1.06E-13	4.53E-11
49	ENSG00000235576	AC092580.4	GO:0044763	single-organism cellular process	9251/20447	160/232	1.91E-13	8.02E-11
50	ENSG00000235576	AC092580.4	GO:0002706	regulation of lymphocyte mediated immunity	78/20447	14/232	2.13E-13	8.77E-11
51	ENSG00000235576	AC092580.4	GO:0001817	regulation of cytokine production	380/20447	26/232	2.40E-13	9.72E-11
52	ENSG00000235576	AC092580.4	GO:0032649	regulation of interferon-gamma production	167/20447	13/232	5.44E-13	2.16E-10
53	ENSG00000235576	AC092580.4	GO:0009868	regulation of signal transduction	1842/20447	57/232	1.53E-12	5.86E-10
54	ENSG00000235576	AC092580.4	GO:0006954	response to stress	2747/20447	72/232	2.46E-12	9.29E-10
55	ENSG00000235576	AC092580.4	GO:0044699	single-organism process	10343/20447	169/232	2.97E-12	1.10E-09
56	ENSG00000235576	AC092580.4	GO:0002703	regulation of leukocyte mediated immunity	97/20447	14/232	4.81E-12	1.76E-09
57	ENSG00000235576	AC092580.4	GO:0002252	immune effector process	312/20447	22/232	1.02E-11	3.66E-09
58	ENSG00000235576	AC092580.4	GO:0050864	regulation of B cell activation	85/20447	13/232	1.32E-11	4.62E-09
59	ENSG00000235576	AC092580.4	GO:0050670	regulation of lymphocyte proliferation	148/20447	16/232	1.30E-11	4.62E-09
60	ENSG00000235576	AC092580.4	GO:0032944	regulation of mononuclear cell proliferation	149/20447	16/232	1.45E-11	4.96E-09
61	ENSG00000235576	AC092580.4	GO:0070663	regulation of leukocyte proliferation	154/20447	16/232	2.40E-11	8.11E-09
62	ENSG00000235576	AC092580.4	GO:0032729	positive regulation of interferon-gamma production	31/20447	9/232	4.33E-11	1.44E-08
63	ENSG00000235576	AC092580.4	GO:0023051	regulation of signaling	2089/20447	58/232	7.49E-11	2.46E-08
64	ENSG00000235576	AC092580.4	GO:0010646	regulation of cell communication	2096/20447	58/232	8.54E-11	2.76E-08
65	ENSG00000235576	AC092580.4	GO:0035556	intracellular signal transduction	1341/20447	44/232	1.48E-10	4.72E-08
66	ENSG00000235576	AC092580.4	GO:0045987	innate immune response	474/20447	25/232	1.98E-10	6.14E-08
67	ENSG00000235576	AC092580.4	GO:0042129	regulation of T cell proliferation	105/20447	13/232	2.05E-10	6.27E-08
68	ENSG00000235576	AC092580.4	GO:0002366	leukocyte activation involved in immune response	87/20447	12/232	2.87E-10	8.44E-08
69	ENSG00000235576	AC092580.4	GO:0002263	cell activation involved in immune response	87/20447	12/232	2.87E-10	8.44E-08
70	ENSG00000235576	AC092580.4	GO:0042269	regulation of natural killer cell mediated cytotoxicity	19/20447	7/232	9.92E-10	2.88E-07
71	ENSG00000235576	AC092580.4	GO:0001819	positive regulation of cytokine production	199/20447	16/232	1.11E-09	3.16E-07
72	ENSG00000235576	AC092580.4	GO:0050671	positive regulation of lymphocyte proliferation	99/20447	12/232	1.33E-09	3.71E-07
73	ENSG00000235576	AC092580.4	GO:0032946	positive regulation of mononuclear cell proliferation	100/20447	12/232	1.49E-09	4.12E-07
74	ENSG00000235576	AC092580.4	GO:0002715	regulation of natural killer cell mediated immunity	20/20447	7/232	1.51E-09	4.13E-07
75	ENSG00000235576	AC092580.4	GO:0070665	positive regulation of leukocyte proliferation	103/20447	12/232	2.11E-09	5.69E-07
76	ENSG00000235576	AC092580.4	GO:0002705	positive regulation of leukocyte mediated immunity	49/20447	9/232	3.70E-09	9.74E-07
77	ENSG00000235576	AC092580.4	GO:0002708	positive regulation of lymphocyte mediated immunity	49/20447	9/232	3.70E-09	9.74E-07
78	ENSG00000235576	AC092580.4	GO:0031347	regulation of defense response	432/20447	22/232	4.90E-09	1.28E-06
79	ENSG00000235576	AC092580.4	GO:0048522	positive regulation of cellular process	3243/20447	72/232	5.12E-09	1.31E-06
80	ENSG00000235576	AC092580.4	GO:0042102	positive regulation of T cell proliferation	69/20447	10/232	5.52E-09	1.39E-06
81	ENSG00000235576	AC092580.4	GO:0002819	regulation of adaptive immune response	94/20447	11/232	9.56E-09	2.30E-06
82	ENSG00000235576	AC092580.4	GO:0045954	positive regulation of natural killer cell mediated cytotoxicity	16/20447	6/232	1.46E-08	3.44E-06
83	ENSG00000235576	AC092580.4	GO:0046631	alpha-beta T cell activation	41/20447	8/232	1.68E-08	3.94E-06
84	ENSG00000235576	AC092580.4	GO:0002250	adaptive immune response	124/20447	12/232	1.78E-08	4.12E-06
85	ENSG00000235576	AC092580.4	GO:0050900	leukocyte migration	211/20447	15/232	1.99E-08	4.55E-06
86	ENSG00000235576	AC092580.4	GO:0009611	response to wounding	978/20447	33/232	2.07E-08	4.70E-06
87	ENSG00000235576	AC092580.4	GO:0002717	positive regulation of natural killer cell mediated immunity	17/20447	6/232	2.23E-08	5.00E-06
88	ENSG00000235576	AC092580.4	GO:0002443	leukocyte mediated immunity	128/20447	12/232	2.55E-08	5.67E-06
89	ENSG00000235576	AC092580.4	GO:0002699	positive regulation of immune effector process	104/20447	11/232	2.80E-08	6.15E-06
90	ENSG00000235576	AC092580.4	GO:0045088	regulation of innate immune response	217/20447	15/232	2.89E-08	6.31E-06
91	ENSG00000235576	AC092580.4	GO:0050853	B cell receptor signaling pathway	30/20447	7/232	3.61E-08	7.71E-06
92	ENSG00000235576	AC092580.4	GO:0042113	B cell activation	107/20447	11/232	3.77E-08	7.89E-06
93	ENSG00000235576	AC092580.4	GO:0002822	regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	86/20447	10/232	4.86E-08	1.02E-05
94	ENSG00000235576	AC092580.4	GO:0051056	regulation of small GTPase mediated signal transduction	376/20447	19/232	6.47E-08	1.32E-05
95	ENSG00000235576	AC092580.4	GO:0048305	immunoglobulin secretion	5/20447	4/232	8.00E-08	1.62E-05
96	ENSG00000235576	AC092580.4	GO:0007264	small GTPase mediated signal transduction	422/20447	20/232	8.22E-08	1.65E-05
97	ENSG00000235576	AC092580.4	GO:0071345	cellular response to cytokine stimulus	384/20447	19/232	9.00E-08	1.79E-05
98	ENSG00000235576	AC092580.4	GO:0034097	response to cytokine stimulus	467/20447	21/232	9.36E-08	1.84E-05
99	ENSG00000235576	AC092580.4	GO:0001816	cytokine production	93/20447	10/232	1.03E-07	2.02E-05
100	ENSG00000235576	AC092580.4	GO:0046632	alpha-beta T cell differentiation	35/20447	7/232	1.13E-07	2.14E-05
101	ENSG00000235576	AC092580.4	GO:0001910	regulation of leukocyte mediated cytotoxicity	35/20447	7/232	1.13E-07	2.14E-05

107	ENSG00000235576	AC092580.4	GO:0006954	inflammatory response	374/20447	18/232	2.99E-07	5.38E-05
108	ENSG00000235576	AC092580.4	GO:0002274	myeloid leukocyte activation	80/20447	9/232	3.08E-07	5.49E-05
109	ENSG00000235576	AC092580.4	GO:0046634	regulation of alpha-beta T cell activation	59/20447	8/232	3.28E-07	5.76E-05
110	ENSG00000235576	AC092580.4	GO:0006968	cellular defense response	59/20447	8/232	3.28E-07	5.76E-05
111	ENSG00000235576	AC092580.4	GO:0045058	T cell selection	26/20447	6/232	3.81E-07	6.64E-05
112	ENSG00000235576	AC092580.4	GO:0045619	regulation of lymphocyte differentiation	107/20447	10/232	3.91E-07	6.77E-05
113	ENSG00000235576	AC092580.4	GO:0032685	regulation of interleukin-12 production	43/20447	7/232	5.03E-07	8.88E-05
114	ENSG00000235576	AC092580.4	GO:0002831	regulation of response to biotic stimulus	87/20447	9/232	6.35E-07	1.07E-04
115	ENSG00000235576	AC092580.4	GO:0045576	mast cell activation	16/20447	5/232	7.11E-07	1.18E-04
116	ENSG00000235576	AC092580.4	GO:0001912	positive regulation of leukocyte mediated cytotoxicity	29/20447	6/232	7.64E-07	1.25E-04
117	ENSG00000235576	AC092580.4	GO:0030101	natural killer cell activation	29/20447	6/232	7.64E-07	1.25E-04
118	ENSG00000235576	AC092580.4	GO:0002700	regulation of production of molecular mediator of immune response	66/20447	8/232	7.94E-07	1.29E-04
119	ENSG00000235576	AC092580.4	GO:0051250	negative regulation of lymphocyte activation	94/20447	9/232	1.23E-06	1.93E-04
120	ENSG00000235576	AC092580.4	GO:0031343	positive regulation of cell killing	32/20447	6/232	1.42E-06	2.17E-04
121	ENSG00000235576	AC092580.4	GO:0002821	positive regulation of adaptive immune response	51/20447	7/232	1.67E-06	2.55E-04
122	ENSG00000235576	AC092580.4	GO:0045061	thymic T cell selection	19/20447	5/232	1.84E-06	2.78E-04
123	ENSG00000235576	AC092580.4	GO:0002889	regulation of immunoglobulin mediated immune response	34/20447	6/232	2.06E-06	3.07E-04
124	ENSG00000235576	AC092580.4	GO:0045577	regulation of B cell differentiation	26/20447	5/232	2.43E-06	3.60E-04
125	ENSG00000235576	AC092580.4	GO:0009987	cellular process	42493/20447	175/232	2.47E-06	3.83E-04
126	ENSG00000235576	AC092580.4	GO:0002285	lymphocyte activation involved in immune response	54/20447	7/232	2.49E-06	3.84E-04
127	ENSG00000235576	AC092580.4	GO:0008150	biological process	14643/20447	196/232	2.79E-06	4.05E-04
128	ENSG00000235576	AC092580.4	GO:0050830	defense response to Gram-positive bacterium	36/20447	6/232	2.93E-06	4.12E-04
129	ENSG00000235576	AC092580.4	GO:0030890	positive regulation of B cell proliferation	36/20447	6/232	2.93E-06	4.12E-04
130	ENSG00000235576	AC092580.4	GO:0002920	regulation of humoral immune response	36/20447	6/232	2.93E-06	4.12E-04
131	ENSG00000235576	AC092580.4	GO:0002923	regulation of humoral immune response mediated by circulating immunoglobulin	10/20447	4/232	3.21E-06	4.50E-04
132	ENSG00000235576	AC092580.4	GO:0007599	hemostasis	489/20447	19/232	3.43E-06	4.76E-04
133	ENSG00000235576	AC092580.4	GO:0002695	negative regulation of leukocyte activation	107/20447	9/232	3.65E-06	5.04E-04
134	ENSG00000235576	AC092580.4	GO:0043900	regulation of multi-organism process	210/20447	12/232	5.30E-06	7.19E-04
135	ENSG00000235576	AC092580.4	GO:0050866	negative regulation of cell activation	116/20447	9/232	7.10E-06	9.52E-04
136	ENSG00000235576	AC092580.4	GO:0002280	lymphocyte homeostasis	42/20447	6/232	7.46E-06	9.94E-04
137	ENSG00000235576	AC092580.4	GO:0009907	response to biotic stimulus	57112/20447	20/232	8.83E-06	0.0011493
138	ENSG00000235576	AC092580.4	GO:0045621	positive regulation of lymphocyte differentiation	65/20447	7/232	8.80E-06	0.0011493
139	ENSG00000235576	AC092580.4	GO:0046635	positive regulation of alpha-beta T cell activation	44/20447	6/232	9.85E-06	0.0012746
140	ENSG00000235576	AC092580.4	GO:0006959	humoral immune response	92/20447	8/232	9.99E-06	0.0012857
141	ENSG00000235576	AC092580.4	GO:0009967	positive regulation of signal transduction	836/20447	25/232	1.03E-05	0.0013164
142	ENSG00000235576	AC092580.4	GO:0050878	regulation of body fluid levels	579/20447	20/232	1.08E-05	0.0013683
143	ENSG00000235576	AC092580.4	GO:0050817	coagulation	485/20447	18/232	1.16E-05	0.0014572
144	ENSG00000235576	AC092580.4	GO:0007596	blood coagulation	485/20447	18/232	1.16E-05	0.0014572
145	ENSG00000235576	AC092580.4	GO:0050868	negative regulation of T cell activation	68/20447	7/232	1.19E-05	0.001474
146	ENSG00000235576	AC092580.4	GO:0050854	regulation of antigen receptor-mediated signaling pathway	27/20447	5/232	1.19E-05	0.001474
147	ENSG00000235576	AC092580.4	GO:0033077	T cell differentiation in thymus	46/20447	6/232	1.28E-05	0.0015784
148	ENSG00000235576	AC092580.4	GO:0002681	somatic recombination of T cell receptor gene segments	5/20447	3/232	1.42E-05	0.0017088
149	ENSG00000235576	AC092580.4	GO:0002568	somatic diversification of T cell receptor genes	5/20447	3/232	1.42E-05	0.0017088
150	ENSG00000235576	AC092580.4	GO:0033153	T cell receptor V(D)J recombination	5/20447	3/232	1.42E-05	0.0017088
151	ENSG00000235576	AC092580.4	GO:0045730	respiratory burst	14/20447	4/232	1.48E-05	0.0017723
152	ENSG00000235576	AC092580.4	GO:0080134	regulation of response to stress	748/20447	23/232	1.53E-05	0.001823
153	ENSG00000235576	AC092580.4	GO:0051707	response to other organism	546/20447	19/232	1.63E-05	0.0019358
154	ENSG00000235576	AC092580.4	GO:0002824	positive regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	48/20447	6/232	1.65E-05	0.0019445
155	ENSG00000235576	AC092580.4	GO:0002449	lymphocyte mediated immunity	99/20447	8/232	1.72E-05	0.0020042
156	ENSG00000235576	AC092580.4	GO:0048585	negative regulation of response to stimulus	807/20447	24/232	1.71E-05	0.0020042
157	ENSG00000235576	AC092580.4	GO:0051241	negative regulation of multicellular organismal process	363/20447	15/232	1.85E-05	0.0021468
158	ENSG00000235576	AC092580.4	GO:0032318	regulation of Ras GTPase activity	164/20447	10/232	1.86E-05	0.0021515
159	ENSG00000235576	AC092580.4	GO:0030852	regulation of granulocyte differentiation	15/20447	4/232	2.00E-05	0.0022864
160	ENSG00000235576	AC092580.4	GO:0046638	positive regulation of alpha-beta T cell differentiation	39/20447	5/232	2.04E-05	0.0023066
161	ENSG00000235576	AC092580.4	GO:0032653	regulation of interleukin-10 production	30/20447	5/232	2.04E-05	0.0023066
162	ENSG00000235576	AC092580.4	GO:0023056	positive regulation of signaling	880/20447	25/232	2.43E-05	0.0027263
163	ENSG00000235576	AC092580.4	GO:0010647	positive regulation of cell communication	882/20447	25/232	2.52E-05	0.0028166
164	ENSG00000235576	AC092580.4	GO:0043067	regulation of programmed cell death	1232/20447	31/232	2.64E-05	0.0028914
165	ENSG00000235576	AC092580.4	GO:0046651	lymphocyte proliferation	52/20447	6/232	2.63E-05	0.0028914
166	ENSG00000235576	AC092580.4	GO:0001776	leukocyte homeostasis	52/20447	6/232	2.63E-05	0.0028914
167	ENSG00000235576	AC092580.4	GO:0032609	interferon-gamma production	16/20447	4/232	2.64E-05	0.0028914
168	ENSG00000235576	AC092580.4	GO:0002275	myeloid cell activation involved in immune response	32/20447	5/232	2.82E-05	0.0030619
169	ENSG00000235576	AC092580.4	GO:0031349	positive regulation of defense response	212/20447	11/232	3.22E-05	0.0034685
170	ENSG00000235576	AC092580.4	GO:0051704	multi-organism process	1368/20447	33/232	3.29E-05	0.0035338
171	ENSG00000235576	AC092580.4	GO:0043372	positive regulation of CD4-positive, alpha-beta T cell differentiation	17/20447	4/232	3.42E-05	0.003643
172	ENSG00000235576	AC092580.4	GO:0048519	negative regulation of biological process	3114/20447	59/232	3.43E-05	0.003643
173	ENSG00000235576	AC092580.4	GO:0002460	adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	109/20447	8/232	3.46E-05	0.003659
174	ENSG00000235576	AC092580.4	GO:0032943	mononuclear cell proliferation	55/20447	6/232	3.64E-05	0.0038397
175	ENSG00000235576	AC092580.4	GO:0009617	response to bacterium	341/20447	14/232	3.79E-05	0.003961
176	ENSG00000235576	AC092580.4	GO:0002637	regulation of immunoglobulin production	34/20447	5/232	3.83E-05	0.0040003
177	ENSG00000235576	AC092580.4	GO:0019221	cytokine-mediated signaling pathway	298/20447	13/232	3.85E-05	0.0040035
178	ENSG00000235576	AC092580.4	GO:0060326	cell chemotaxis	111/20447	8/232	3.94E-05	0.0040756
179	ENSG00000235576	AC092580.4	GO:0009306	protein secretion	56/20447	6/232	4.04E-05	0.0041522
180	ENSG00000235576	AC092580.4	GO:0051240	positive regulation of multicellular organismal process	533/20447	18/232	4.05E-05	0.0041522
181	ENSG00000235576	AC092580.4	GO:0045580	regulation of T cell differentiation	82/20447	7/232	4.08E-05	0.0041658
182	ENSG00000235576	AC092580.4	GO:0010941	regulation of cell death	1265/20447	31/232	4.36E-05	0.0044262
183	ENSG00000235576	AC092580.4	GO:0050777	negative regulation of immune response	57/20447	6/232	4.48E-05	0.004527
184	ENSG00000235576	AC092580.4	GO:0042742	defense response to bacterium	147/20447	9/232	4.73E-05	0.0047645
185	ENSG00000235576	AC092580.4	GO:0051239	regulation of multicellular organismal process	1842/20447	40/232	4.85E-05	0.0048445
186	ENSG00000235576	AC092580.4	GO:0070681	leukocyte proliferation	58/20447	6/232	4.95E-05	0.0049141
187	ENSG00000235576	AC092580.4	GO:0045089	positive regulation of innate immune response	149/20447	9/232	5.26E-05	0.0052021
188	ENSG00000235576	AC092580.4	GO:0001782	B cell homeostasis	19/20447	4/232	5.48E-05	0.0053697
189	ENSG00000235576	AC092580.4	GO:0042981	regulation of apoptotic process	1220/20447	30/232	5.50E-05	0.0053697
190	ENSG00000235576	AC092580.4	GO:2000516	positive regulation of CD4-positive, alpha-beta T cell activation	19/20447	4/232	5.48E-05	0.0053697
191	ENSG00000235576	AC092580.4	GO:0043087	regulation of GTPase activity	225/20447	11/232	5.53E-05	0.0053733
192	ENSG00000235576	AC092580.4	GO:0050848	regulation of calcium-mediated signaling	37/20447	5/232	5.84E-05	0.0056286
193	ENSG00000235576	AC092580.4	GO:0048872	homeostasis of number of cells	151/20447	9/232	5.83E-05	0.0056286
194	ENSG00000235576	AC092580.4	GO:0033124	regulation of GTP catabolic process	228/20447	11/232	6.23E-05	0.0059776
195	ENSG00000235576	AC092580.4	GO:0030595	leukocyte chemotaxis	89/20447	7/232	6.92E-05	0.0066133
196	ENSG00000235576	AC092580.4	GO:0045639	positive regulation of myeloid cell differentiation	62/20447	6/232	7.23E-05	0.0068852
197	ENSG00000235576	AC092580.4	GO:0030183	B cell differentiation	63/20447	6/232	7.92E-05	0.0075069
198	ENSG00000235576	AC092580.4	GO:0032673	regulation of interleukin-4 production	21/20447	4/232	8.31E-05	0.0078071
199	ENSG00000235576	AC092580.4	GO:0050858	regulation of T cell receptor signaling pathway	21/20447	4/232	8.31E-05	0.0078071
200	ENSG00000235576	AC092580.4	GO:0030833	regulation of actin filament polymerization	92/20447	7/232	8.55E-05	0.0080014
201	ENSG00000235576	AC092580.4	GO:0048523	negative regulation of cellular process	2858/20447	54/232	8.84E-05	0.0082045
202	ENSG00000235576	AC092580.4	GO:0042035	regulation of cytokine biosynthetic process	93/20447	7/232	9.15E-05	0.0084652
203	ENSG00000235576	AC092580.4	GO:0050688	regulation of defense response to virus	65/20447	6/232	9.45E-05	0.0087006
204	ENSG00000235576	AC092580.4	GO:0002718	regulation of cytokine production involved in immune response	41/20447	5/232	9.67E-05	0.0088374
205	ENSG00000235576	AC092580.4	GO:0046637	regulation of alpha-beta T cell differentiation	41/20447	5/232	9.67E-05	0.0088374
206	ENSG00000235576	AC092580.4	GO:0032319	regulation of Rho GTPase activity	94/20447	7/232	9.80E-05	0.0089137
207	ENSG00000235576	AC092580.4	GO:0046578	regulation of Ras protein signal transduction	283/20447	12/232		

214	ENSG00000235576	AC092580.4	GO:0023057	negative regulation of signaling	694/20447	20/232	1.35E-04	0.011869
215	ENSG00000235576	AC092580.4	GO:0050850	positive regulation of calcium-mediated signaling	24/20447	4/232	1.44E-04	0.012558
216	ENSG00000235576	AC092580.4	GO:0042060	wound healing	590/20447	18/232	1.47E-04	0.012772
217	ENSG00000235576	AC092580.4	GO:0030838	positive regulation of actin filament polymerization	45/20447	5/232	1.52E-04	0.013195
218	ENSG00000235576	AC092580.4	GO:0023220	positive regulation of Ras GTPase activity	101/20447	7/232	1.54E-04	0.013312
219	ENSG00000235576	AC092580.4	GO:0016118	negative regulation of cytokine production	133/20447	6/232	1.57E-04	0.013493
220	ENSG00000235576	AC092580.4	GO:0048535	lymph node development	10/20447	3/232	1.63E-04	0.01374
221	ENSG00000235576	AC092580.4	GO:0045579	positive regulation of B cell differentiation	10/20447	3/232	1.63E-04	0.01374
222	ENSG00000235576	AC092580.4	GO:0002335	mature B cell differentiation	10/20447	3/232	1.63E-04	0.01374
223	ENSG00000235576	AC092580.4	GO:0043303	mast cell degranulation	10/20447	3/232	1.63E-04	0.01374
224	ENSG00000235576	AC092580.4	GO:0002279	mast cell activation involved in immune response	10/20447	3/232	1.63E-04	0.01374
225	ENSG00000235576	AC092580.4	GO:0043029	T cell homeostasis	25/20447	4/232	1.69E-04	0.014006
226	ENSG00000235576	AC092580.4	GO:0002237	response to molecule of bacterial origin	213/20447	10/232	1.68E-04	0.014006
227	ENSG00000235576	AC092580.4	GO:0033121	regulation of purine nucleotide catabolic process	255/20447	11/232	1.68E-04	0.014006
228	ENSG00000235576	AC092580.4	GO:0030811	regulation of nucleotide catabolic process	256/20447	11/232	1.74E-04	0.014296
229	ENSG00000235576	AC092580.4	GO:0008064	regulation of actin polymerization or depolymerization	104/20447	7/232	1.85E-04	0.015167
230	ENSG00000235576	AC092580.4	GO:0009118	regulation of nucleoside metabolic process	259/20447	11/232	1.92E-04	0.015646
231	ENSG00000235576	AC092580.4	GO:0016477	cell migration	603/20447	18/232	1.92E-04	0.015646
232	ENSG00000235576	AC092580.4	GO:0044093	positive regulation of molecular function	1124/20447	27/232	1.95E-04	0.0159
233	ENSG00000235576	AC092580.4	GO:0030832	regulation of actin filament length	105/20447	7/232	1.98E-04	0.015886
234	ENSG00000235576	AC092580.4	GO:0050869	negative regulation of B cell activation	26/20447	4/232	1.98E-04	0.015884
235	ENSG00000235576	AC092580.4	GO:0009968	negative regulation of signal transduction	661/20447	19/232	2.05E-04	0.016417
236	ENSG00000235576	AC092580.4	GO:0051495	positive regulation of cytoskeleton organization	106/20447	7/232	2.08E-04	0.016531
237	ENSG00000235576	AC092580.4	GO:0071353	cellular response to interleukin-4	11/20447	3/232	2.22E-04	0.017498
238	ENSG00000235576	AC092580.4	GO:0002448	mast cell mediated immunity	11/20447	3/232	2.22E-04	0.017498
239	ENSG00000235576	AC092580.4	GO:0042127	regulation of cell proliferation	1201/20447	28/232	2.41E-04	0.018669
240	ENSG00000235576	AC092580.4	GO:0043370	regulation of CD4-positive, alpha-beta T cell differentiation	28/20447	4/232	2.67E-04	0.020783
241	ENSG00000235576	AC092580.4	GO:0002286	T cell activation involved in immune response	28/20447	4/232	2.67E-04	0.020783
242	ENSG00000235576	AC092580.4	GO:0050672	negative regulation of lymphocyte proliferation	51/20447	5/232	2.77E-04	0.021385
243	ENSG00000235576	AC092580.4	GO:0032945	negative regulation of mononuclear cell proliferation	51/20447	5/232	2.77E-04	0.021385
244	ENSG00000235576	AC092580.4	GO:0002761	regulation of myeloid leukocyte differentiation	79/20447	6/232	2.79E-04	0.021473
245	ENSG00000235576	AC092580.4	GO:0045080	negative thymic T cell selection	12/20447	3/232	2.94E-04	0.021991
246	ENSG00000235576	AC092580.4	GO:0008284	positive regulation of cell proliferation	679/20447	19/232	2.88E-04	0.021991
247	ENSG00000235576	AC092580.4	GO:0032753	positive regulation of interleukin-4 production	12/20447	3/232	2.94E-04	0.021991
248	ENSG00000235576	AC092580.4	GO:0050588	negative regulation of antigen receptor-mediated signaling pathway	12/20447	3/232	2.94E-04	0.021991
249	ENSG00000235576	AC092580.4	GO:0002922	positive regulation of humoral immune response	12/20447	3/232	2.94E-04	0.021991
250	ENSG00000235576	AC092580.4	GO:0051345	positive regulation of hydrolase activity	465/20447	15/232	2.92E-04	0.021991
251	ENSG00000235576	AC092580.4	GO:0043368	positive T cell selection	12/20447	3/232	2.94E-04	0.021991
252	ENSG00000235576	AC092580.4	GO:0032271	regulation of protein polymerization	112/20447	7/232	2.92E-04	0.021991
253	ENSG00000235576	AC092580.4	GO:2000514	regulation of CD4-positive, alpha-beta T cell activation	30/20447	4/232	3.51E-04	0.025819
254	ENSG00000235576	AC092580.4	GO:0002444	myeloid leukocyte mediated immunity	30/20447	4/232	3.51E-04	0.025819
255	ENSG00000235576	AC092580.4	GO:0030029	actin filament-based process	373/20447	13/232	3.57E-04	0.026185
256	ENSG00000235576	AC092580.4	GO:0070684	negative regulation of leukocyte proliferation	54/20447	5/232	3.62E-04	0.026386
257	ENSG00000235576	AC092580.4	GO:0045582	positive regulation of T cell differentiation	54/20447	5/232	3.62E-04	0.026386
258	ENSG00000235576	AC092580.4	GO:0043547	positive regulation of GTPase activity	153/20447	6/232	3.67E-04	0.026683
259	ENSG00000235576	AC092580.4	GO:0033151	V(D)J recombination	13/20447	3/232	3.79E-04	0.027097
260	ENSG00000235576	AC092580.4	GO:0043383	negative T cell selection	13/20447	3/232	3.79E-04	0.027097
261	ENSG00000235576	AC092580.4	GO:0002833	positive regulation of response to biotic stimulus	13/20447	3/232	3.79E-04	0.027097
262	ENSG00000235576	AC092580.4	GO:0010648	negative regulation of cell communication	697/20447	19/232	3.98E-04	0.028379
263	ENSG00000235576	AC092580.4	GO:0043085	positive regulation of catalytic activity	931/20447	23/232	4.01E-04	0.028462
264	ENSG00000235576	AC092580.4	GO:0001959	regulation of cytokine-mediated signaling pathway	85/20447	6/232	4.14E-04	0.02934
265	ENSG00000235576	AC092580.4	GO:0032273	positive regulation of protein polymerization	56/20447	5/232	4.30E-04	0.030315
266	ENSG00000235576	AC092580.4	GO:0002562	somatic diversification of immune receptors via germline recombination within a single locus	32/20447	4/232	4.52E-04	0.031542
267	ENSG00000235576	AC092580.4	GO:0016444	somatic cell DNA recombination	32/20447	4/232	4.52E-04	0.031542
268	ENSG00000235576	AC092580.4	GO:0007186	G-protein coupled receptor signaling pathway	539/20447	16/232	4.62E-04	0.032107
269	ENSG00000235576	AC092580.4	GO:0002707	negative regulation of lymphocyte mediated immunity	14/20447	3/232	4.79E-04	0.032951
270	ENSG00000235576	AC092580.4	GO:0002704	negative regulation of leukocyte mediated immunity	14/20447	3/232	4.79E-04	0.032951
271	ENSG00000235576	AC092580.4	GO:0070670	response to interleukin-4	14/20447	3/232	4.79E-04	0.032951
272	ENSG00000235576	AC092580.4	GO:0051336	regulation of hydrolase activity	769/20447	20/232	5.10E-04	0.035
273	ENSG00000235576	AC092580.4	GO:0006897	endocytosis	293/20447	11/232	5.47E-04	0.037442
274	ENSG00000235576	AC092580.4	GO:0042098	T cell proliferation	34/20447	4/232	5.73E-04	0.038886
275	ENSG00000235576	AC092580.4	GO:0060759	regulation of response to cytokine stimulus	91/20447	6/232	5.97E-04	0.040255
276	ENSG00000235576	AC092580.4	GO:0051674	localization of cell	664/20447	18/232	6.04E-04	0.040456
277	ENSG00000235576	AC092580.4	GO:0048870	cell motility	664/20447	18/232	6.04E-04	0.040456
278	ENSG00000235576	AC092580.4	GO:0071310	cellular response to organic substance	1338/20447	29/232	6.12E-04	0.040668
279	ENSG00000235576	AC092580.4	GO:0040011	locomotion	1022/20447	24/232	6.17E-04	0.041092
280	ENSG00000235576	AC092580.4	GO:0050790	regulation of catalytic activity	1471/20447	31/232	6.28E-04	0.04175
281	ENSG00000235576	AC092580.4	GO:0002200	somatic diversification of immune receptors	35/20447	4/232	6.42E-04	0.042498
282	ENSG00000235576	AC092580.4	GO:0071222	cellular response to lipopolysaccharide	93/20447	6/232	6.70E-04	0.044256
283	ENSG00000235576	AC092580.4	GO:0002230	positive regulation of defense response to virus by host	16/20447	3/232	7.24E-04	0.047539
284	ENSG00000235576	AC092580.4	GO:0002823	negative regulation of adaptive immune response based on somatic recombination of immune receptors built from immunoglobulin superfamily domains	16/20447	3/232	7.24E-04	0.047539
285	ENSG00000235576	AC092580.4	GO:0030168	platelet activation	212/20447	9/232	7.32E-04	0.047956

Supplemental Table 18. LINC01871 correlation analyses of the differentially expressed transcripts from all three 3D whole blood RNA-seq analyses

Ensembl Gene ID	Chr	Start	End	Strand	Gene	Biotype	SJD All Cells and HC		SJD All Cells		HC Only		SJD Repos Cells Only		SJD Repos and HC		SJD Repos Cells Only			
							cor	level	cor	level	cor	level	cor	level	cor	level	cor	level		
ENSG0000023576	22	7725001	7770370	+	LINC01871	lincRNA														
ENSG0000010298	22	3907324	3910400	-	APC3	protein coding	0.48984129	1.73E-05	0.47269933	8.61E-06	0.46477653	0.00354545	0.39876305	0.04487007	0.371984743	0.120321189	0.89990695	6.83E-08	0.49725109	0.00020071
ENSG0000016597	14	4993302	4997070	-	PCSK9	protein coding	0.444703041	1.73E-05	0.426907174	7.38E-07	0.447492626	0.0031361	0.414982626	0.29254987	0.47150312	0.04452694	0.81619264	0.74E-06	0.47744954	0.00019107
ENSG00000112796	6	46159185	46170900	-	PCSK9	protein coding	0.450056871	4.43E-08	0.450056871	1.54E-08	0.450056871	0.00204378	0.450056871	0.25282871	0.474923206	0.00764669	0.847851001	4.70E-07	0.553790953	3.02E-05
ENSG00000100027	22	2169758	2170744	+	YFPEL	protein coding	0.45300841	4.43E-08	0.45300841	3.48E-08	0.45300841	0.00205361	0.45300841	0.20400017	0.48410888	0.1612428	0.86263004	1.20E-07	0.551175586	3.28E-05
ENSG00000193098	3	27115949	27122711	-	RIMS3	protein coding	0.45951298	1.73E-05	0.45951298	1.73E-05	0.45951298	0.00205361	0.45951298	0.20400017	0.48410888	0.1612428	0.86263004	1.20E-07	0.551175586	3.28E-05
ENSG00000293846	7	10238465	10232737	-	LOC1019302	unprocessed pseudogene	0.45951298	1.73E-05	0.45951298	1.73E-05	0.45951298	0.00205361	0.45951298	0.20400017	0.48410888	0.1612428	0.86263004	1.20E-07	0.551175586	3.28E-05
ENSG0000011906	8	12521992	12520270	-	HDDCC2	protein coding	0.461534701	5.17E-07	0.461534701	4.31E-07	0.461534701	0.00205361	0.461534701	0.20400017	0.48410888	0.1612428	0.86263004	1.20E-07	0.551175586	3.28E-05
ENSG0000012863	15	34202159	34202159	-	FNDC3	protein coding	0.46222626	1.73E-05	0.46222626	1.73E-05	0.46222626	0.00205361	0.46222626	0.20400017	0.48410888	0.1612428	0.86263004	1.20E-07	0.551175586	3.28E-05
ENSG0000020417	3	4272140	4272138	-	LOC000594	lincRNA	0.28634416	0.00085118	0.34844476	0.01288911	0.15687452	0.04307615	0.251842378	0.204889338	0.001142472	0.952458238	0.000572428	0.404943213	0.000257889	
ENSG0000010454	14	2425630	2425990	-	GPM1	protein coding	0.783728287	3.57E-17	0.783728287	9.50E-17	0.783728287	0.00020536	0.783728287	0.00223398	0.836100	0.846254222	3.40E-07	0.83789986	3.35E-14	
ENSG0000010191	6	4612999	4614668	-	PMPK	protein coding	0.6211931	1.42E-09	0.78021921	1.39E-10	0.6211931	0.00020536	0.6211931	0.00223398	0.836100	0.846254222	3.40E-07	0.83789986	3.35E-14	
ENSG00000203687	1	2443516	24444057	-	COX20	protein coding	0.46081668	2.49E-05	0.4733394	0.00051720	0.4727777	0.33683024	0.48781931	0.34895870	0.12963340	0.340041199	0.8413801	4.91E-07	0.63706396	6.65E-07
ENSG0000027502	17	3610327	3610552	+	COL4A	protein coding	0.46222626	1.73E-05	0.46222626	1.73E-05	0.46222626	0.00205361	0.46222626	0.20400017	0.48410888	0.1612428	0.86263004	1.20E-07	0.551175586	3.28E-05
ENSG0000025107	1	9417433	9420310	-	ADPO2	lincRNA	0.46222626	1.73E-05	0.46222626	1.73E-05	0.46222626	0.00205361	0.46222626	0.20400017	0.48410888	0.1612428	0.86263004	1.20E-07	0.551175586	3.28E-05
ENSG0000020286	X	2891187	2741309	-	CO9	protein coding	0.465051185	1.52E-10	0.470098238	1.54E-08	0.470098238	0.00163159	0.470098238	0.00174420	0.547109881	0.8611895	0.81182995	8.62E-07	0.920727005	3.71E-04
ENSG0000027242	8	13994467	13998977	-	LOC135471	lincRNA	0.460416719	7.52E-09	0.47174049	0.00020536	0.47174049	0.00020536	0.47174049	0.00020536	0.47174049	0.00020536	0.47174049	0.00020536	0.47174049	0.00020536
ENSG00000202194	1	5717398	5724874	-	PRPF1	protein coding	0.420516101	0.00013463	0.23137458	0.01998136	0.420516101	0.00013463	0.420516101	0.00013463	0.420516101	0.00013463	0.420516101	0.00013463	0.420516101	0.00013463
ENSG00000197441	4	15960245	15969309	-	FCF2BP	protein coding	0.75973993	1.06E-10	0.77044768	6.05E-11	0.77044768	0.00020536	0.77044768	0.00020536	0.77044768	0.00020536	0.77044768	0.00020536	0.77044768	0.00020536
ENSG00000235162	12	10523259	10539097	-	C12orf75	protein coding	0.46307021	1.06E-10	0.47391124	1.98E-08	0.46307021	0.00020536	0.46307021	0.00020536	0.46307021	0.00020536	0.46307021	0.00020536	0.46307021	0.00020536
ENSG00000140297	1	1594405	1594428	-	CNTF3	protein coding	0.411420003	0.00202939	0.19261247	0.00745181	0.411420003	0.00202939	0.411420003	0.00202939	0.411420003	0.00202939	0.411420003	0.00202939	0.411420003	0.00202939
ENSG0000027840	7	6818847	6818166	-	LOC198277	lincRNA	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG0000023658	8	13033851	13039452	-	AL167333	lincRNA	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG0000016788	1	2142114	2163384	-	SHRPP1	protein coding	0.62109898	1.79E-09	0.61938278	0.00020536	0.62109898	0.00020536	0.62109898	0.00020536	0.62109898	0.00020536	0.62109898	0.00020536	0.62109898	0.00020536
ENSG00000279532	8	3446448	3448823	-	LOC007742	lincRNA	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG0000025257	8	2819255	2819255	-	LOC007742	lincRNA	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG00000237101	1	2242198	2242304	-	LOC029309	lincRNA	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG00000168807	6	69197129	69200905	-	SMTR2	protein coding	0.36288272	0.00016844	0.50861443	0.00016844	0.36288272	0.00016844	0.36288272	0.00016844	0.36288272	0.00016844	0.36288272	0.00016844	0.36288272	0.00016844
ENSG00000272599	20	4296743	4297140	-	PITRM1-AS1	transcribed pseudogene	0.157671873	0.1032044	0.36204745	0.00020536	0.157671873	0.1032044	0.36204745	0.00020536	0.157671873	0.1032044	0.36204745	0.00020536	0.157671873	0.1032044
ENSG00000260442	4	1206000	1206000	-	AT2F4-AS1	transcribed pseudogene	0.42204772	0.00016844	0.42204772	0.00016844	0.42204772	0.00016844	0.42204772	0.00016844	0.42204772	0.00016844	0.42204772	0.00016844	0.42204772	0.00016844
ENSG0000026458	2	6186842	6186800	-	LOC107881	lincRNA	0.30364568	8.78E-07	0.34523202	3.50E-08	0.34523202	0.00020536	0.34523202	0.00020536	0.34523202	0.00020536	0.34523202	0.00020536	0.34523202	0.00020536
ENSG0000015100	19	29062923	2907274	-	POU4	protein coding	0.501141727	3.45E-07	0.48721076	0.00040044	0.48721076	0.00040044	0.48721076	0.00040044	0.48721076	0.00040044	0.48721076	0.00040044	0.48721076	0.00040044
ENSG00000105374	1	1017400	1017400	-	LOC101930	unprocessed pseudogene	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG0000017262	15	3845417	3844770	-	FAM58B	protein coding	0.411833184	0.175E-04	0.411911477	0.00020536	0.411833184	0.175E-04	0.411911477	0.00020536	0.411833184	0.175E-04	0.411911477	0.00020536	0.411833184	0.175E-04
ENSG0000018369	22	4253617	4257438	-	FERM3L2	protein coding	0.286218519	0.61E-05	0.48034801	0.00041493	0.286218519	0.61E-05	0.48034801	0.00041493	0.286218519	0.61E-05	0.48034801	0.00041493	0.286218519	0.61E-05
ENSG0000022701	1	1017400	1017400	-	LOC101930	unprocessed pseudogene	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG00000105028	7	4173834	4177922	-	HSPB1	protein coding	0.52021356	1.06E-10	0.41579357	0.00020536	0.52021356	1.06E-10	0.41579357	0.00020536	0.52021356	1.06E-10	0.41579357	0.00020536	0.52021356	1.06E-10
ENSG00000115541	2	19790040	19793449	-	SNRPB	protein coding	0.38082738	1.43E-07	0.32148919	0.01985856	0.38082738	1.43E-07	0.32148919	0.01985856	0.38082738	1.43E-07	0.32148919	0.01985856	0.38082738	1.43E-07
ENSG00000269416	1	1017400	1017400	-	LOC101930	unprocessed pseudogene	0.46182774	1.43E-08	0.46182774	1.43E-08	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536	0.46182774	0.00020536
ENSG00000146433	6	15836346	15836248	-	TMEM181	protein coding	0.57711235	9.29E-10	0.57711235	9.29E-10	0.57711235	9.29E-10								

Table with 15 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand. Contains genomic coordinates and gene annotations for various genes like AC024050.3, AC024050.4, AC024050.5, etc.

Table with columns for gene ID, chromosome, coordinates, gene name, and protein type. The table lists numerous genes such as ATP11C2, ACAD10, ALKBH3, etc., with their corresponding genomic data and protein details.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq, Ensembl, UniProt, and other identifiers. The table lists numerous genes and their associated genomic features and coordinates.

Table with columns for gene ID, chromosome, coordinates, gene name, and protein name. The table lists numerous genes such as ENG0000014343, ENG0000014344, etc., and their corresponding protein products like JTB, AFA1, APOB, etc.

ENSG0000024774	7	47052793	47053674	AC004870.1	processed_pseudogen	0.004388508	0.969715094	0.25975430	0.06802020	0.106301121	0.567842008	-0.12818001	0.52416200	-0.215180204	0.118120006	0.578293684	0.03774426	0.066203113	0.647113300	
ENSG0000024775	8	46527314	46530371	AC004870.1	processed_pseudogen	0.4127207	0.0001664	0.49531124	0.00000000	0.0047476	0.85671000	0.34246271	0.99866500	0.7156400	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024776	9	41014234	41017533	AC004870.1	processed_pseudogen	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024777	10	19869139	19868033	PEBP13	protein coding	0.08511699	0.46171109	0.05075897	0.7261477	0.18202618	0.18202618	0.22851357	0.25148389	0.00584979	0.06651544	0.03703309	0.00000000	0.24252333	0.08705145	
ENSG0000024778	11	967129	10027131	PEBP13	protein coding	0.58887269	0.00138603	0.41224021	0.00000000	0.11517543	0.57951822	0.12357665	0.53912465	0.06047271	0.15129407	0.57836903	0.00000000	0.46612404	0.00000000	
ENSG0000024779	12	387389	387389	AC010365.3	processed_pseudogen	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024780	13	120201291	12021331	PXN-A51	lncRNA	0.30116309	0.00777599	0.28667129	0.04432209	0.12136417	0.64662084	0.01251139	0.95618108	0.01344737	0.13327720	0.57836903	0.00000000	0.42382869	0.02226663	
ENSG0000024781	14	6634731	6708912	FBCV3	protein coding	-0.02403855	0.85341097	0.19622567	0.16799310	0.13984491	0.46601048	-0.16109786	0.33996545	-0.25739004	0.06516219	0.57816156	0.00000000	0.06276145	0.66438993	
ENSG0000024782	15	12342188	12342188	AC010365.3	processed_pseudogen	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024783	16	13450552	13450529	AC010365.3	processed_pseudogen	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024784	17	367846	368446	ID4	protein coding	0.47686827	0.19639	0.58944591	0.228408	0.30862107	0.11572653	0.60265281	0.00428668	0.42893488	0.00121681	0.57799873	0.00000000	0.46202164	0.01031401	
ENSG0000024785	18	20171538	20177351	RANP1	protein coding	0.3388148	0.00646695	0.41420864	0.000703	0.02426183	0.13789463	0.27822842	0.13325452	0.27523442	0.00000000	0.57799873	0.00000000	0.41875145	0.01681058	
ENSG0000024786	19	1815246	1815873	AC010365.3	processed_pseudogen	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024787	20	1550899	1560192	HML1	protein coding	0.53141747	0.00022681	0.43267094	0.00000000	0.08275262	0.73507144	0.25209115	0.20689917	0.14181796	0.32048468	0.57740022	0.00000000	0.38958960	0.04049181	
ENSG0000024788	21	14173489	14174769	RNF7	protein coding	0.4520302	0.63829	0.2303768	0.15891122	0.63460768	0.00000000	-0.00263191	0.86141072	0.40431336	0.00000000	0.57740022	0.00000000	0.68495112	0.418108	
ENSG0000024789	22	24206400	24202256	MBF1B3.1	unprocessed_pseudogen	0.01889974	0.87040721	0.05240537	0.07699455	0.00000000	0.00000000	-0.10385857	0.55044376	-0.15931592	0.24026544	0.57755814	0.00000000	0.03712671	0.29788663	
ENSG0000024790	23	16654899	16648042	AC010672.8	processed_pseudogen	0.28327396	0.04599268	0.28125291	0.04768312	0.38293453	0.04884841	-0.05038927	0.88759076	0.10474893	0.43062601	0.57722254	0.00000000	0.34074453	0.00000000	
ENSG0000024791	24	115692	1201384	TMEM129	protein coding	0.00372919	0.97432313	0.11390448	0.07490966	0.24294638	0.26077239	0.02001336	0.90099395	-0.29776901	0.09670368	0.57709643	0.00000000	0.41875145	0.00000000	
ENSG0000024792	25	27582869	27582317	ZNF512	protein coding	0.07611174	0.01629682	0.02618229	0.03143786	0.13132882	0.51177395	0.07784201	0.69918106	-0.13800781	0.32077634	0.57698868	0.00000000	0.14277444	0.37676974	
ENSG0000024793	26	16892886	16889734	IL1333.1	lncRNA	0.00400465	0.97204165	0.23126498	0.10314487	0.00841544	0.77326297	-0.00381209	0.64102748	-0.11761096	0.39070624	0.57649613	0.00000000	0.03712671	0.79431520	
ENSG0000024794	27	3004665	3004665	CDORF1	protein coding	0.44177977	0.00001802	0.39527456	0.04012222	0.39274794	0.11869222	0.00000000	0.77149631	0.02078161	0.07748686	0.57691814	0.00000000	0.00000000	0.5226929	0.878420
ENSG0000024795	28	18123589	18123589	TRIM1	protein coding	0.01371814	0.30570678	0.00000000	0.00000000	0.14004534	0.5321189	0.03684781	0.845629712	0.13052116	0.39488761	0.57878289	0.00000000	0.34847655	0.00451932	
ENSG0000024796	29	18229156	18248089	ATP9F1	protein coding	0.45783152	0.23829	0.13001703	0.3847596	0.67435238	0.00000000	-0.24241557	0.2211015	0.38348664	0.00000000	0.57881320	0.00000000	0.69160329	0.2488408	
ENSG0000024797	30	1814552	18151681	AC007192.2	lncRNA	0.33871474	0.00259491	0.35911276	0.011381	0.14478546	0.41116251	0.1997174	0.94475567	0.10034517	0.41032237	0.57698872	0.00000000	0.3909222	0.44765428	
ENSG0000024798	31	1815246	1815873	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024799	32	99181427	99181028	MTD1	protein coding	0.18118155	0.00000000	0.23292272	0.10352624	0.26235474	0.18615587	-0.12471699	0.53201858	0.15171029	0.2739193	0.57818054	0.00000000	0.59180252	0.00000000	
ENSG0000024800	33	95116420	95121654	AC010365.3	processed_pseudogen	0.04898704	0.0108924	0.30220111	0.00000000	0.34849493	0.07031358	0.08000000	0.73534678	0.28026264	0.00000000	0.57624262	0.00000000	0.59100295	0.00000000	
ENSG0000024801	34	6842331	6842737	AC008033.3	lncRNA	0.57028790	0.161808	0.51575423	2.58E-08	0.48213008	0.01522284	0.54111741	0.00000000	0.56037254	0.1628058	0.57818054	0.00000000	0.51906288	1.08E-05	
ENSG0000024802	35	14974843	149811420	PCMT1	protein coding	0.4225412	0.0001291	0.16795720	0.24953728	0.14727398	0.11812225	0.0023261	0.9936589	0.38444608	0.00000000	0.57604558	0.00000000	0.68992261	2.32E-07	
ENSG0000024803	36	10000000	10000000	AC010365.3	processed_pseudogen	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024804	37	21117348	21117348	AC020917.1	processed_pseudogen	0.52065133	0.950E-07	0.46707403	0.00000000	0.50268599	0.00070742	0.45988447	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024805	38	3843437	38435664	RNF292P2	transcribed_processed	0.14174069	0.19137559	0.04701564	0.60274473	0.00214184	0.92056787	-0.17151724	0.10866041	-0.26745715	0.05998481	0.57894154	0.00000000	0.0709212	0.60034719	
ENSG0000024806	39	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024807	40	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024808	41	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024809	42	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024810	43	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024811	44	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024812	45	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024813	46	18123589	18123589	CDCA7	protein coding	0.38246531	0.00481977	0.00000000	0.00000000	0.17103222	0.48528307	0.44321897	0.00000000	0.33843862	0.33843862	0.57862217	0.00000000	0.3761032	0.0871195	
ENSG0000024814	47	18123589	18123589	CDCA7	protein coding															

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Type, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Description, RefSeq Link. Contains genomic coordinates and gene annotations for various genes like TIA1, ABCD1, ABCD2, ABCD3, ABCD4, ABCD5, ABCD6, ABCD7, ABCD8, ABCD9, ABCD10, ABCD11, ABCD12, ABCD13, ABCD14, ABCD15, ABCD16, ABCD17, ABCD18, ABCD19, ABCD20, ABCD21, ABCD22, ABCD23, ABCD24, ABCD25, ABCD26, ABCD27, ABCD28, ABCD29, ABCD30, ABCD31, ABCD32, ABCD33, ABCD34, ABCD35, ABCD36, ABCD37, ABCD38, ABCD39, ABCD40, ABCD41, ABCD42, ABCD43, ABCD44, ABCD45, ABCD46, ABCD47, ABCD48, ABCD49, ABCD50, ABCD51, ABCD52, ABCD53, ABCD54, ABCD55, ABCD56, ABCD57, ABCD58, ABCD59, ABCD60, ABCD61, ABCD62, ABCD63, ABCD64, ABCD65, ABCD66, ABCD67, ABCD68, ABCD69, ABCD70, ABCD71, ABCD72, ABCD73, ABCD74, ABCD75, ABCD76, ABCD77, ABCD78, ABCD79, ABCD80, ABCD81, ABCD82, ABCD83, ABCD84, ABCD85, ABCD86, ABCD87, ABCD88, ABCD89, ABCD90, ABCD91, ABCD92, ABCD93, ABCD94, ABCD95, ABCD96, ABCD97, ABCD98, ABCD99, ABCD100.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Type, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Description, RefSeq Link. Contains genomic coordinates and gene annotations for various genes like ACOX1, ACOX2, ACOX3, etc.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description. The table lists numerous genes and their associated features, including protein-coding genes, lincRNAs, antisense transcripts, and pseudogenes. Each entry includes genomic coordinates and a RefSeq identifier.

ENSG00000241061	15	24099392	24099325	RPLP1	processed_pseudogene	0.35177685	0.001699741	0.227091045	0.112748340	0.524431317	0.004828743	0.153485847	0.444752948	0.243139111	0.076619927	0.478282621	0.020304897	0.508987701	0.000160310	
ENSG0000027587	19	54252678	54467839	PCP2CD4	transcribed_pseudogene	0.10529263	0.065537897	0.135035111	0.358571450	0.024252733	0.0642587	0.262503667	0.202441181	0.4538373	0.266972373	0.47873180	0.020304897	0.508987701	0.000160310	
ENSG0000030398	14	141450078	141450114	LRN1	mRNA	0.14728199	0.000000000	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	0.042721600	
ENSG00000185100	14	104724229	104743829	ADSS1	protein_coding	0.154446848	0.179298214	0.135805803	0.373424207	0.107899963	0.492224206	0.1734427	0.38694402	0.0316761	0.3107671	0.47873180	0.020304897	0.508987701	0.000160310	
ENSG0000020492	20	24845748	24845748	ADSS1	transcript_variant	0.18136335	0.155555240	0.307753540	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701
ENSG00000149000	20	37543489	37543489	COMMD7	transcript_variant	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	
ENSG0000028749	19	59898438	59971396	NFE2L3P1	transcript_variant	0.102746579	0.270870033	0.307753540	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701	0.026970701
ENSG00000146021	19	10034739	10036163	TTOP	transcript_variant	0.03707984	0.74840265	0.31201513	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240
ENSG00000160979	19	15398280	15398280	TTOP	transcript_variant	0.03707984	0.74840265	0.31201513	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240	0.046337240
ENSG00000298535	19	21709522	21710191	MTF4P4	processed_pseudogene	0.048044174	0.46337240	0.13489212	0.34668995	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378
ENSG0000023989	6	19881789	19882224	EGR-AS1	transcript_variant	0.18053137	0.11501118	0.06135739	0.60387490	0.48963500	0.00000000	0.26262600	0.30171528	0.0131158	0.04949499	0.47842211	0.020304897	0.508987701	0.000160310	
ENSG00000169710	12	11334888	11334888	CFRP3	protein_coding	0.21462434	0.028194324	0.35843694	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324	0.028194324
ENSG00000245888	1	17843084	17843084	NR3A3	mRNA	0.19690344	0.08608749	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378	0.03103378
ENSG00000101000	20	3517202	35216240	PKOXR	protein_coding	0.017120719	0.88251437	0.1830894	0.21019624	0.02471758	0.7884751	0.02778238	0.1344478	0.86024514	0.02679134	0.4781300	0.020304897	0.508987701	0.000160310	
ENSG00000143992	2	6392146	64011928	VPR4	protein_coding	0.27888454	0.04109383	0.31894265	0.02614387	0.320919281	0.10071981	0.14448117	0.3841548	0.00309077	0.14449348	0.4781300	0.020304897	0.508987701	0.000160310	
ENSG00000286999	20	6409708	64101162	LOC1125813	mRNA	0.058131716	0.16144283	0.065355227	0.625024340	0.25016754	0.20202691	0.12866981	0.52242038	0.145151517	0.26784994	0.4781300	0.020304897	0.508987701	0.000160310	
ENSG0000020581	21	3942415	39484871	HMCN1	protein_coding	0.20506194	0.006969339	0.21071035	0.14172830	0.3458386	0.07272262	0.10291720	0.61908898	0.15430648	0.26259004	0.47790437	0.020304897	0.508987701	0.000160310	
ENSG00000159796	19	111201704	111201704	DEDD	protein_coding	0.18309494	0.15921611	0.05819658	0.407817901	0.149190332	0.42676859	0.13591157	0.49674441	0.01887699	0.89211041	0.4771978	0.020304897	0.508987701	0.000160310	
ENSG00000116221	1	5148441	5242444	MRP3	protein_coding	0.170751386	0.11775923	0.25336290	0.07890144	0.04701263	0.71370339	0.017489911	0.93107398	0.03910892	0.72898494	0.4771978	0.020304897	0.508987701	0.000160310	
ENSG00000129116	4	16849792	16849792	PALL1	protein_coding	0.26698994	0.01091239	0.3464354	0.03047896	0.45899397	0.00693303	0.2537070	0.18999335	0.31913404	0.04184718	0.4771978	0.020304897	0.508987701	0.000160310	
ENSG00000276005	19	14337638	14336330	AC09793.5	transcript_variant	0.03217991	0.009178659	0.24320921	0.07847513	0.023767373	0.4668137	0.00447768	0.85668116	0.2381847	0.05864211	0.4771978	0.020304897	0.508987701	0.000160310	
ENSG00000280053	3	12697365	126987428	AC011199.1	transcript_variant	0.157181248	0.18795931	0.03007844	0.73076884	0.00360354	0.861203592	0.281078269	0.183838749	0.21869811	0.11292912	0.4771978	0.020304897	0.508987701	0.000160310	
ENSG00000147778	8	86434292	86486890	ADHFE1	protein_coding	0.28114308	0.01160921	0.3881298	0.0051384	0.19291307	0.3306177	0.2993291	0.12928811	0.18555348	0.17915801	0.47713851	0.020304897	0.508987701	0.000160310	
ENSG00000110009	1	17011815	17085511	MYO3B	protein_coding	0.027092324	0.53321743	0.38717533	0.0594747	0.03884478	0.8478465	0.4387765	0.07038465	0.10598238	0.98741258	0.47713851	0.020304897	0.508987701	0.000160310	
ENSG00000160051	1	3226371	32268862	IOHCE	protein_coding	0.03307712	0.11069217	0.15763203	0.24719958	0.00880338	0.70082877	0.03218795	0.47819404	0.01524375	0.04713851	0.020304897	0.508987701	0.000160310	0.000160310	
ENSG00000148574	7	6794134	6828770	C12orf12	protein_coding	0.3902427	0.00246588	0.3387889	0.01077729	0.02798407	0.91013924	0.1593867	0.45226013	0.15988184	0.2935699	0.4771454	0.020304897	0.508987701	0.000160310	
ENSG00000286996	1	42995134	42997440	AC008975.2	transcript_variant	0.017849271	0.959897892	0.10818468	0.79231995	0.011298984	0.95843438	0.48491987	0.0107698	0.28741982	0.098897945	0.4769873	0.020304897	0.508987701	0.000160310	
ENSG00000176435	14	3825400	3825603	C10orf14	protein_coding	0.130314608	0.258831316	0.31821665	0.07190808	0.011298984	0.450044681	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	
ENSG00000286994	3	18950936	18950947	AC012484.3	transcript_variant	0.047983725	0.07851468	0.1695242	0.24848404	0.09152329	0.848815945	0.14246887	0.9439531	0.03594662	0.7826334	0.47687071	0.020304897	0.508987701	0.000160310	
ENSG00000272792	19	54252678	54467839	PCP2CD4	transcript_variant	0.10529263	0.065537897	0.135035111	0.358571450	0.024252733	0.0642587	0.262503667	0.202441181	0.4538373	0.266972373	0.47873180	0.020304897	0.508987701	0.000160310	
ENSG0000020581	21	3942415	39484871	HMCN1	transcript_variant	0.20506194	0.006969339	0.21071035	0.14172830	0.3458386	0.07272262	0.10291720	0.61908898	0.15430648	0.26259004	0.47790437	0.020304897	0.508987701	0.000160310	
ENSG00000137492	11	7634995	76381132	THAP12	protein_coding	0.15584262	0.17633483	0.3032194	0.09319278	0.262626024	0.17607847	0.11692739	0.56135993	0.02144879	0.07855207	0.47650228	0.020304897	0.508987701	0.000160310	
ENSG00000137092	19	54252678	54467839	PCP2CD4	transcript_variant	0.10529263	0.065537897	0.135035111	0.358571450	0.024252733	0.0642587	0.262503667	0.202441181	0.4538373	0.266972373	0.47873180	0.020304897	0.508987701	0.000160310	
ENSG00000219928	8	87253242	87254774	ALH187.1	processed_pseudogene	0.42423746	0.27864276	0.07177930	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204
ENSG00000170099	20	2362739	23629207	CC22	transcript_variant	0.27243134	0.04148444	0.05564014	0.7011565	0.24578704	0.1642421	0.24568698	0.24734014	0.34532433	0.04029301	0.4763304	0.020304897	0.508987701	0.000160310	
ENSG00000205188	19	14337638	14336330	AC09793.5	transcript_variant	0.03217991	0.009178659	0.24320921	0.07847513	0.023767373	0.4668137	0.00447768	0.85668116	0.2381847	0.05864211	0.4771978	0.020304897	0.508987701	0.000160310	
ENSG00000131142	19	8056767	8062620	COL25	protein_coding	0.01805581	0.87036127	0.25548317	0.07135544	0.081985121	0.10785813	0.02015812	0.10602608	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204	0.06050204
ENSG00000164878	3	3429506	3434731	NUDT2	protein_coding	0.24689778	0.03307712	0.24334035	0.0809081	0.29422229	0.14972589	0.09671298	0.63128776	0.22468335	0.10295439	0.47623898	0.020304897	0.508987701	0.000160310	
ENSG00000244878	19	54252678	54467839	PCP2CD4	transcript_variant	0.10529263	0.065537897	0.135035111	0.358571450	0.024252733	0.0642587	0.262503667	0.202441181	0.4538373	0.266972373	0.47873180	0.020304897	0.508987701	0	

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. The table lists numerous genes and their associated features and identifiers.

Table with columns for gene ID, gene name, transcript type, coordinates, and various numerical values. The table lists numerous genes such as TOR1A-AS1, ANKRD5, and others, with their respective genomic coordinates and associated data points.

ENSG0000022401	9	68234709	98255577	AL36081.1	processed_pseudog	0.04347691	0.70731059	0.14655553	0.309891218	0.19262949	0.32645349	-0.10688573	0.58739955	0.01040601	0.94255544	0.47373242	0.03871821	0.06890457	0.584115318	
ENSG0000025038	11	16692576	9969881	AC00739	ncRNA	0.01570434	0.82471709	0.23312979	0.10318051	0.05543364	0.71429551	-0.07151309	0.50711501	0.014889	0.2906168	0.4376701	0.017531	0.0254533	0.6977038	
ENSG0000026943	14	14693444	14693444	NIF2L2	ncRNA	0.12241862	0.12241862	0.12241862	0.12241862	0.12241862	0.12241862	-0.09448781	0.47714849	0.0738924	0.0738924	0.47714849	0.0738924	0.0738924	0.47714849	
ENSG0000018544	1	116051197	116052200	AC02336.1	processed_pseudog	0.48242015	0.8776209	0.25420842	0.07498773	0.05454365	0.00248931	-0.07448901	0.70244509	0.00248931	0.00248931	0.70244509	0.00248931	0.00248931	0.70244509	
ENSG0000023268	1	8269637	8269637	AC02336.1	processed_pseudog	0.22774805	0.8619516	0.07348365	0.12629689	0.5376966	0.0693766	-0.16993174	0.34274689	0.14030927	0.31159184	0.43748503	0.03862627	0.47117994	0.6447336	
ENSG0000023848	1	84347248	84347248	TRP3L3P3	ncRNA	0.02115286	0.02115286	0.02115286	0.02115286	0.02115286	0.02115286	-0.02115286	0.02115286	0.02115286	0.02115286	0.02115286	0.02115286	0.02115286	0.02115286	0.02115286
ENSG0000018547	1	20753633	20753633	IGRPIN3	ncRNA	0.20753633	0.20753633	0.20753633	0.20753633	0.20753633	0.20753633	-0.20753633	0.20753633	0.20753633	0.20753633	0.20753633	0.20753633	0.20753633	0.20753633	
ENSG00000270154	8	14462714	14462714	AC02336.1	processed_pseudog	0.07068914	0.54472157	0.28932634	0.06103945	-0.2304481	0.04835969	-0.1651363	0.58213728	0.03955592	0.00274689	0.43729874	0.03861363	0.19014474	0.1959176	
ENSG00000254013	3	30922715	30922715	MAP2K1P1	ncRNA	0.02581479	0.02581479	0.02581479	0.02581479	0.02581479	0.02581479	-0.02581479	0.02581479	0.02581479	0.02581479	0.02581479	0.02581479	0.02581479	0.02581479	
ENSG0000024228	8	16892914	16892914	LOC100282	ncRNA	0.02689712	0.02689712	0.02689712	0.02689712	0.02689712	0.02689712	-0.02689712	0.02689712	0.02689712	0.02689712	0.02689712	0.02689712	0.02689712	0.02689712	
ENSG0000019690	17	8641818	8244265	HEAD	protein coding	-0.05924429	0.14452657	0.2215178	0.1220194	0.18986438	0.9464747	0.1319728	0.5120291	-0.12695292	0.3644154	0.4307023	0.00702629	0.1378876	0.5496794	
ENSG0000017848	12	5204628	5204628	OTX3	protein coding	0.14919583	0.14919583	0.14919583	0.14919583	0.14919583	0.14919583	-0.14919583	0.14919583	0.14919583	0.14919583	0.14919583	0.14919583	0.14919583	0.14919583	
ENSG0000024034	17	2892249	2892249	AC024267.3	ncRNA	0.10158717	0.10158717	0.10158717	0.10158717	0.10158717	0.10158717	-0.10158717	0.10158717	0.10158717	0.10158717	0.10158717	0.10158717	0.10158717	0.10158717	
ENSG0000022987	15	9219698	9222911	AC12632.2	ncRNA	-0.03087093	0.78883534	0.1485810	0.0338927	0.17381528	0.49348482	0.1536117	0.4442481	0.00730702	0.0767868	0.4361912	0.00714888	0.16394133	0.25254942	
ENSG0000015711	1	2403984	2413777	PCD10	protein coding	0.11094144	0.3388955	0.24976474	0.08024365	0.28345492	0.1509189	0.04781157	0.8178103	-0.07480774	0.59959921	0.43972878	0.00714888	0.1378876	0.3393291	
ENSG00000277998	2	16457314	16457404	unprocessed_pseudog	ncRNA	-0.07588887	0.12595138	0.10602275	0.2668490	0.14674891	0.4951032	-0.1670264	0.9446958	-0.1670264	0.9446958	0.00731951	0.02895014	0.58840203	0.6723584	
ENSG0000028778	4	617198	618492	AC13615.2	ncRNA	-0.20134812	0.07909879	0.0881199	0.5428400	0.27427004	0.1662265	-0.1858818	0.3404203	-0.3811615	0.00129636	0.4364911	0.00732027	0.18511291	0.1860994	
ENSG0000011272	1	4593937	4603048	CLIC4	protein coding	0.17871021	0.09969263	0.1544444	0.1220151	0.14742996	0.4537463	-0.0811024	0.8506368	-0.2119003	0.0397056	0.4363126	0.00730505	0.21444911	0.1330141	
ENSG00000284235	18	3255436	3261850	AP050329.1	ncRNA	0.29842438	0.00404287	0.1375736	0.34364074	0.122272095	0.28513532	-0.0811024	0.8506368	0.00730505	0.00730505	0.4363126	0.00732027	0.18511291	0.1860994	
ENSG00000157014	10	1024823	1024120	TAF12D	protein coding	0.27684877	0.0147478	0.3114448	0.0578789	0.08542339	0.80865031	-0.2012842	0.3140229	0.14471676	0.2944548	0.43629324	0.00732027	0.18511291	0.1860994	
ENSG0000027408	1	3225815	3225444	AC026920.2	ncRNA	0.14789438	0.19289163	0.0202819	0.0173567	0.1678473	0.1678473	-0.1678473	0.1678473	0.1678473	0.1678473	0.1678473	0.1678473	0.1678473	0.1678473	
ENSG00000125864	10	1749305	1758920	BSP1	protein coding	0.17348189	0.11831167	0.3140448	0.01426058	0.15778449	0.43190257	-0.18481662	0.36607048	0.04018376	0.17379594	0.43026741	0.00732027	0.18511291	0.1860994	
ENSG00000161542	14	7639478	7638452	PRPSAP1	protein coding	0.33110404	0.00332711	0.31232811	0.0187884	0.34837570	0.0784357	0.0241946	0.64680374	0.15043491	0.07378153	0.43398068	0.00732027	0.18511291	0.1860994	
ENSG0000022662	3	1207018	1207198	AC101112	processed_pseudog	-0.11749304	0.30883173	0.10958244	0.5058175	0.00920266	0.7638147	-0.16321251	0.51595254	-0.213624	0.11115657	0.43511804	0.00732027	0.18511291	0.1860994	
ENSG0000023236	3	4897918	4898385	AC137830.2	ncRNA	0.2440214	0.00444473	0.1235158	0.3620848	0.18678911	0.50021954	-0.23763704	0.23256574	0.02879014	0.07827854	0.43686874	0.00732027	0.18511291	0.1860994	
ENSG00000143954	2	7925998	7926885	REC3G	protein coding	-0.02013287	0.8620270	0.17878970	0.21418559	0.12801254	0.81121418	-0.04293209	0.83181982	-0.15389551	0.286527	0.4355915	0.00732027	0.18511291	0.1860994	
ENSG0000030387	17	1298794	12413928	MTMR7	protein coding	-0.02299712	0.8455433	0.16327663	0.10021965	0.10021965	0.10021965	-0.10021965	0.10021965	0.10021965	0.10021965	0.10021965	0.10021965	0.10021965	0.10021965	
ENSG0000017307	1	15497483	15497483	CR3B1	protein coding	0.28028284	0.01332818	0.29783262	0.14372440	0.18261055	0.19633381	-0.11542481	0.56841148	0.28147335	0.03326385	0.43587957	0.00732027	0.18511291	0.1860994	
ENSG00000201358	16	4671157	4672126	AC02388.2	processed_pseudog	0.08941293	0.54891179	0.24150748	0.0485161	0.23147122	0.24547678	0.16831188	0.40842959	-0.05444526	0.6991556	0.4356522	0.00732027	0.18511291	0.1860994	
ENSG0000018798	1	1459311	1459311	AC02388.2	processed_pseudog	0.08941293	0.54891179	0.24150748	0.0485161	0.23147122	0.24547678	0.16831188	0.40842959	-0.05444526	0.6991556	0.4356522	0.00732027	0.18511291	0.1860994	
ENSG00000136271	1	4456541	4457051	DOX56	protein coding	0.06331102	0.8843885	0.26975708	0.0680801	0.14964348	0.45712941	-0.01933026	0.8187061	-0.03392064	0.00732027	0.18511291	0.1860994	0.00732027	0.18511291	
ENSG00000201708	10	11978975	11980514	AC15283.1	ncRNA	-0.02244328	0.84837899	0.05756953	0.8607754	0.03647897	0.94707098	-0.04823887	0.02224348	-0.18199449	0.18777266	0.4352104	0.00732027	0.18511291	0.1860994	
ENSG00000117025	1	2097626	2097811	AC02388.2	processed_pseudog	0.08941293	0.54891179	0.24150748	0.0485161	0.23147122	0.24547678	0.16831188	0.40842959	-0.05444526	0.6991556	0.4356522	0.00732027	0.18511291	0.1860994	
ENSG00000234225	1	14700131	14700318	AC244394.1	ncRNA	-0.15415866	0.18068878	0.06058389	0.86841830	0.01894470	0.92507610	-0.24065330	0.22858790	-0.19797559	0.1512397	0.4352104	0.00732027	0.18511291	0.1860994	
ENSG00000179284	19	1298519	1297427	DAN26	protein coding	0.14509757	0.2177837	0.3126707	0.02703369	0.10899768	0.58530894	-0.23072418	0.24692378	0.04911841	0.7242333	0.4352019	0.00732027	0.18511291	0.1860994	
ENSG0000016992	1	1298519	1297427	DAN26	protein coding	0.14509757	0.2177837	0.3126707	0.02703369	0.10899768	0.58530894	-0.23072418	0.24692378	0.04911841	0.7242333	0.4352019	0.00732027	0.18511291	0.1860994	
ENSG0000026575	12	5274876	5276127	TBD10	protein coding	-0.05275834	0.64680067	0.12730584	0.0330584	0.24151891	0.22488032	-0.00722428	0.11804159	-0.28640074	0.00218589	0.43811763	0.00732027	0.18511291	0.1860994	
ENSG00000148932	1	13337281	13339184	PAOX	protein coding	-0.01173908	0.91955961	0.2897139	0.04197340	0.24897257	0.1213835	0.2945746	0.2945746	-0.10951869	0.43075242	0.4348713	0.00732027	0.18511291	0.1860994	
ENSG00000156024	1	14989732	15001708	OTUD7B	protein coding	0.17028727	0.13869813	0.42824309	0.00191933	0.10760242	0.45552526	-0.5086206	0.00746807	0.18604271	0.25370374	0.4348713	0.00732027	0.18511291	0.1860994	
ENSG00000179218	14	1298578	1294448	CALR	protein coding	0.47272628	0.426108	0.38757958	0.01078393	0.04274732	0.2841068	0.80288748	0.05037788	0.48607832	0.00019429	0.4348112	0.00732027	0.18511291	0.1860994	
ENSG0000026880	1	13476828	13476828	AC02388.2	processed_pseudog	0.08941293	0.54891179	0.24150748	0.0485161	0.23147122	0.24547678	0.16831188	0.40842959							

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq, Gene Name, Feature, Start, End, RefSeq, Gene Name. Contains a large list of genomic coordinates and gene annotations.

ENSG00000254833	11	12610741	12617605	AP001893.3	lncRNA	-0.072073271	0.529934385	0.101452249	0.843274665	0.071050983	0.724714043	-0.238934312	0.230035662	-0.202202033	0.142529117	0.419588087	0.062811266	0.010760745	0.008355418
ENSG00000256218	9	8052874	8072704	LOC117352.3	lncRNA	-0.56607861	0.62375574	0.15004416	0.9767869	0.2744969	0.17072038	0.4583335	0.2741073	0.2525662	0.1496148	0.4600632	0.071498847	0.021496447	0.062470621
ENSG00000257140	10	9714450	9714450	MAP2A	protein coding	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.4789801	0.4789801	0.4789801	0.4789801	0.4789801	0.4789801	0.0000000	0.0000000	0.0000000
ENSG00000258697	8	10044743	10045734	MEAND3	protein coding	0.0236117	0.3276117	0.07488827	0.00898280	0.12170478	0.77668469	0.31887607	0.10383545	0.07931469	0.52022127	0.4147813	0.0431013	0.10889163	0.044765042
ENSG00000259276	6	13505333	13509171	SC359E	lncRNA	-0.16027658	0.16372769	0.0059271	0.9897769	0.24170106	0.22596324	0.14054447	0.48416558	0.20043368	0.19861306	0.41457574	0.06321998	0.021764281	0.03311811
ENSG00000260206	4	73500000	73500000	AC02925.4	lncRNA	-0.0674378	0.3512962	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG00000260549	17	73163035	73163035	POLR13K2P	protein coding	-0.08683781	0.39341803	0.15296247	0.6897280	0.18238963	0.41836194	-0.02808258	0.83626768	0.19482373	0.10360937	0.41933789	0.04370389	0.010911387	0.050838337
ENSG00000260946	10	6831174	6843184	PCP4	protein coding	0.1939004	0.09461103	0.02713757	0.8503836	0.0836241	0.64223236	-0.04940712	0.80889489	0.00707128	0.08815347	0.41932576	0.04683164	0.014401427	0.002798891
ENSG00000261294	9	7497777	7497777	PCP4	protein coding	0.1939004	0.09461103	0.02713757	0.8503836	0.0836241	0.64223236	-0.04940712	0.80889489	0.00707128	0.08815347	0.41932576	0.04683164	0.014401427	0.002798891
ENSG00000262746	1	6783832	6784843	CMT1A-OT	lncRNA	0.14770308	0.19896101	0.32081347	0.0211510	0.17890602	0.61413905	0.24746025	0.12313295	0.10500077	0.08953570	0.41929597	0.04683164	0.014401427	0.002798891
ENSG00000263198	9	7038497	7044624	KLP9	protein coding	-0.0540811	0.84480679	0.07189203	0.0184580	0.03245780	0.8991895	-0.2484599	0.0748345	-0.2534919	0.0839898	0.4191791	0.04683164	0.014401427	0.002798891
ENSG00000263774	9	2869033	2869744	KOCS15	lncRNA	-0.2153055	0.22679187	0.1813918	0.2747337	0.1781474	0.4084907	0.4898087	0.8164393	0.1434348	0.3705243	0.4194987	0.04683164	0.014401427	0.002798891
ENSG00000265098	4	155583107	15583107	LOC927487.2	processed pseudogene	0.11980518	0.30056774	0.20454877	0.5142893	0.00419134	0.61542403	0.27946233	0.1580340	0.19048195	0.16786796	0.41915208	0.04683164	0.014401427	0.002798891
ENSG00000265957	6	510338	525882	LOC927451.3	lncRNA	-0.04261574	0.7140587	0.2624525	0.15276248	0.1326770	0.5794134	-0.06998485	0.7629730	-0.1486827	0.12472596	0.41932438	0.04683164	0.014401427	0.002798891
ENSG00000266087	9	3443878	3444544	LOC927451.3	lncRNA	-0.04261574	0.7140587	0.2624525	0.15276248	0.1326770	0.5794134	-0.06998485	0.7629730	-0.1486827	0.12472596	0.41932438	0.04683164	0.014401427	0.002798891
ENSG00000266296	3	14993118	15000635	IGFBP3	protein coding	-0.14444318	0.36011135	0.0229129	0.91231263	0.10213681	0.61106647	-0.21863768	0.2723853	-0.22599758	0.1042632	0.4188971	0.04683164	0.014401427	0.002798891
ENSG00000266313	11	8447939	8449512	IGFBP3	protein coding	-0.14444318	0.36011135	0.0229129	0.91231263	0.10213681	0.61106647	-0.21863768	0.2723853	-0.22599758	0.1042632	0.4188971	0.04683164	0.014401427	0.002798891
ENSG00000266317	22	22681910	22681910	IGLV3-9	IG_V_gene	0.01217398	0.91491452	0.2249712	0.18211427	0.18211427	0.18211427	-0.1958858	0.92704872	-0.15059113	0.28917528	0.41878762	0.04683164	0.014401427	0.002798891
ENSG00000266374	3	13444018	13450233	HPRT1	protein coding	0.22251687	0.05172514	0.26494259	0.04308268	0.03068827	0.02811512	0.06783584	0.68336672	0.15287678	0.26075446	0.41854827	0.04683164	0.014401427	0.002798891
ENSG00000266391	15	7169632	7170574	TMEM19	protein coding	-0.20011448	0.02096194	0.21790971	0.10332607	0.48041224	0.01020278	-0.22454945	0.1916458	0.41011507	0.00207038	0.4181918	0.04683164	0.014401427	0.002798891
ENSG00000266395	4	3564821	3624514	ARAP2	protein coding	0.49028234	0.0167584	0.33735054	0.00492824	0.38777804	0.04547476	0.53835462	2.668105	0.41874245	0.41874245	0.04683164	0.014401427	0.002798891	
ENSG00000266553	11	6204983	6208184	LOC92733	lncRNA	-0.10414289	0.39739848	0.11978358	0.40711744	0.12673578	0.5289473	-0.0394186	0.8448164	-0.17204233	0.10821284	0.41841702	0.04683164	0.014401427	0.002798891
ENSG00000266595	10	11358491	11391754	NHLH2	protein coding	0.2141038	0.08151603	0.32547578	0.02108895	0.35891878	0.08484133	0.10319125	0.6504742	0.02977803	0.85110458	0.4181928	0.04683164	0.014401427	0.002798891
ENSG00000266715	14	2418814	24183106	LOC927451.3	lncRNA	-0.04261574	0.7140587	0.2624525	0.15276248	0.1326770	0.5794134	-0.06998485	0.7629730	-0.1486827	0.12472596	0.41932438	0.04683164	0.014401427	0.002798891
ENSG00000266926	3	14993118	15000635	IGFBP3	protein coding	-0.14444318	0.36011135	0.0229129	0.91231263	0.10213681	0.61106647	-0.21863768	0.2723853	-0.22599758	0.1042632	0.4188971	0.04683164	0.014401427	0.002798891
ENSG00000267011	22	22681910	22681910	IGLV3-9	IG_V_gene	0.01217398	0.91491452	0.2249712	0.18211427	0.18211427	0.18211427	-0.1958858	0.92704872	-0.15059113	0.28917528	0.41878762	0.04683164	0.014401427	0.002798891
ENSG00000267034	3	13444018	13450233	HPRT1	protein coding	0.22251687	0.05172514	0.26494259	0.04308268	0.03068827	0.02811512	0.06783584	0.68336672	0.15287678	0.26075446	0.41854827	0.04683164	0.014401427	0.002798891
ENSG00000267039	4	3564821	3624514	ARAP2	protein coding	0.49028234	0.0167584	0.33735054	0.00492824	0.38777804	0.04547476	0.53835462	2.668105	0.41874245	0.41874245	0.04683164	0.014401427	0.002798891	
ENSG00000267553	11	6204983	6208184	LOC92733	lncRNA	-0.10414289	0.39739848	0.11978358	0.40711744	0.12673578	0.5289473	-0.0394186	0.8448164	-0.17204233	0.10821284	0.41841702	0.04683164	0.014401427	0.002798891
ENSG00000267595	10	11358491	11391754	NHLH2	protein coding	0.2141038	0.08151603	0.32547578	0.02108895	0.35891878	0.08484133	0.10319125	0.6504742	0.02977803	0.85110458	0.4181928	0.04683164	0.014401427	0.002798891
ENSG00000267791	11	23681138	23681708	RP39	processed pseudogene	-0.25911889	0.02459959	0.02958969	0.8704818	-0.25988419	0.13407432	-0.3113257	0.1059013	-0.3763072	0.0093989	0.4183647	0.04683164	0.014401427	0.002798891
ENSG00000267818	13	4991272	4992463	SPRYD7	protein coding	0.11690598	0.06904918	0.3534316	0.0181483	0.41408952	0.02109288	0.2890367	0.1764516	0.26603828	0.01662822	0.4183266	0.04683164	0.014401427	0.002798891
ENSG00000268129	6	15872840	15872840	AMP2	processed pseudogene	0.16522238	0.15150824	0.23988242	0.03258584	0.04975795	0.8132228	0.19279378	0.3354538	0.11852544	0.93311775	0.4182452	0.04683164	0.014401427	0.002798891
ENSG00000268146	3	18088814	18098273	PCP2	protein coding	0.47605172	1.248109	0.27035268	0.14818522	0.55425499	0.00207083	0.0114998	0.95402712	0.45422504	0.00507574	0.41826217	0.04683164	0.014401427	0.002798891
ENSG00000268151	3	18088814	18098273	PCP2	protein coding	0.47605172	1.248109	0.27035268	0.14818522	0.55425499	0.00207083	0.0114998	0.95402712	0.45422504	0.00507574	0.41826217	0.04683164	0.014401427	0.002798891
ENSG00000268240	6	33249534	33251873	LOC927451.3	lncRNA	-0.04261574	0.7140587	0.2624525	0.15276248	0.1326770	0.5794134	-0.06998485	0.7629730	-0.1486827	0.12472596	0.41932438	0.04683164	0.014401427	0.002798891
ENSG00000268262	12	1273849	1278140	LOC927451.3	lncRNA	-0.04261574	0.7140587	0.2624525	0.15276248	0.1326770	0.5794134	-0.06998485	0.7629730	-0.1486827	0.12472596	0.41932438	0.04683164	0.014401427	0.002798891
ENSG00000268273	17	44745	44745	LOC927451.3	lncRNA	-0.04261574	0.7140587	0.2624525	0.15276248	0.1326770	0.5794134	-0.06998485	0.7629730	-0.1486827	0.12472596	0.41932438	0.04683164	0.014401427	0.002798891
ENSG00000268288	6	64878428	64888283	LOC927451.3	lncRNA	-0.04261574	0.7140587	0.2624525	0.15276248	0.1326770	0.5794134	-0.06998485	0.7629730	-0.1486827	0.12472596	0.41932438	0.04683164	0.014401427	0.002798891
ENSG00000268316	11	6203242	6204180	WR274	protein coding	-0.02568748	0.82573728	0.19125244	0.1872864	0.18031265	0.85026101	0.03811201	0.85024228	0.14362317	0.30013198	0.41753209	0.04683164	0.0144014	

ENSG00000147312	9	37510982	37576300	FBOXO1	protein coding	-0.05874423	0.61181368	0.10047649	0.48751302	0.03119635	0.87724073	-0.20017344	0.31677661	-0.17187734	0.21359623	0.41220774	0.05064007	-0.1033532	0.92266602
ENSG00000147313	9	37510982	37576300	FBOXO1	protein coding	-0.05874423	0.61181368	0.10047649	0.48751302	0.03119635	0.87724073	-0.20017344	0.31677661	-0.17187734	0.21359623	0.41220774	0.05064007	-0.1033532	0.92266602
ENSG00000147314	12	11311566	11311566	ENSO05999.1	lncRNA	-0.21211111	0.30333007	0.19344411	0.46480774	0.26792784	0.37135911	-0.24712324	0.23552728	0.20626095	0.18202091	0.14250261	0.07573294	0.24772061	0.81702629
ENSG00000147315	18	46754847	46802440	AC009241.2	antisense intron	-0.24355802	0.03707669	0.01713306	0.61375118	0.20354428	0.09352514	-0.09050320	0.64357235	-0.34381868	0.10999977	0.11142219	0.06008703	0.29334774	0.03844110
ENSG00000147316	13	13266213	13277777	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147317	19	40434338	40444173	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147318	10	101484222	101441373	HNRNP2H3	protein coding	0.37898439	0.00077025	0.06783749	0.64404303	0.04966777	0.40889239	-0.10898239	0.58837899	-0.27490009	0.19122735	0.11172878	0.05091196	0.62196352	1.26E-08
ENSG00000147319	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147320	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147321	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147322	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147323	21	46029886	46132848	AL44983.1	antisense intron	-0.09125254	0.33545691	0.03647249	0.80571269	0.04887626	0.16724655	-0.22288271	0.54309171	-0.14826274	0.2845704	0.11589614	0.05014481	0.08020303	0.57801411
ENSG00000147324	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147325	21	46029886	46132848	AL44983.1	antisense intron	-0.09125254	0.33545691	0.03647249	0.80571269	0.04887626	0.16724655	-0.22288271	0.54309171	-0.14826274	0.2845704	0.11589614	0.05014481	0.08020303	0.57801411
ENSG00000147326	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147327	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147328	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147329	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147330	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147331	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147332	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147333	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147334	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147335	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147336	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147337	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147338	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147339	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147340	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147341	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147342	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147343	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147344	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147345	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147346	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147347	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147348	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147349	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147350	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0.47472813	0.04666778	0.68416874	-0.05761570	0.17408252	-0.17442071	0.19122735	0.05091196	0.04383162	0.66687259	0.85687259
ENSG00000147351	9	10321468	10321468	LOC101928.1	antisense intron	-0.07278470	0.50480345	0.15841745	0										

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and a list of associated SNPs with their rs IDs and p-values.

ENSGNO000118971	12	4269771	4353531	CCND2	protein coding	0.14758647	0.00018694	0.44665544	0.00147900	0.13430320	0.50421394	0.46316478	0.01487418	0.31333694	0.02104008	0.38733749	0.06784091	0.43566129	0.00185434		
ENSGNO0017705	16	3651199	3666673	PCP4	protein coding	0.5432174	0.00000000	0.3056601	0.00000000	0.1778901	0.55910573	0.47179229	0.01767292	0.1679991	0.1878786	0.38728276	0.0787786	0.2719707	0.1844700		
ENSGNO0020091	11	7910172	7910172	TGCR3L	protein coding	0.1527241	0.00000000	0.0489130	0.00000000	0.1378343	0.38002745	0.43425245	0.00000000	0.0342451	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSGNO0008991	11	8932433	8948187	FOX2	protein coding	0.20067799	0.00728984	0.115854	0.2844640	0.17184447	0.30425250	0.40426289	0.00000000	0.28642491	0.03797004	0.38715944	0.07787766	0.16178623	0.26186212	0.00000000	
ENSGNO0013437	10	17131283	18051431	PCP4	protein coding	0.18511589	0.00000000	0.20732883	0.14863107	0.11020024	0.40545472	0.40119016	0.02678827	0.04423793	0.04761339	0.38718225	0.07867991	0.20699774	0.00000000	0.00000000	
ENSGNO0022905	10	8734300	8734300	FAM25A	protein coding	0.14999555	0.00000000	0.0369672	0.00000000	0.13449995	0.38002745	0.43425245	0.00000000	0.0342451	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSGNO0023047	4	9630783	9631173	AC01188.1	lincRNA	0.23589161	0.00381344	0.2132789	0.14897131	0.03094691	0.46761143	0.03094691	0.00000000	0.08024296	0.04968888	0.38706127	0.06852858	0.35294838	0.00000000	0.00000000	
ENSGNO0012828	22	2164202	2164249	TAF11	protein coding	0.28601125	0.00158087	0.3350142	0.01688566	0.06870561	0.6133262	0.26251620	0.15329234	0.12689147	0.11722471	0.38703801	0.06804202	0.28559574	0.00438213	0.00000000	
ENSGNO0018944	4	4429316	4429316	TAF11	processed pseudogene	0.1226648	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSGNO0078942	29	4448296	4448296	AC010973.1	lincRNA	0.17087913	0.13777095	0.05190795	0.04889860	0.08898960	0.27847269	0.38894951	0.05588107	0.06878814	0.11622471	0.38703801	0.06804202	0.28559574	0.00438213	0.00000000	
ENSGNO0008935	1	8367575	8368063	ALG6	protein coding	0.09898983	0.04754332	0.03073559	0.17240778	0.0708778	0.25951654	0.10369896	0.61625028	0.10141955	0.04576168	0.38642620	0.06220750	0.14444260	0.01701798	0.00000000	
ENSGNO0022870	1	3138384	3138384	ALG6	processed pseudogene	0.1226648	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSGNO0012856	21	4523438	4524548	LINC03334	lincRNA	0.12523439	0.04087178	0.01803282	0.01198467	0.01198467	0.27708382	0.38820149	0.00000000	0.27708382	0.04251198	0.38732861	0.06831029	0.28602860	0.00667490	0.00000000	
ENSGNO0028749	4	1837289	1837289	AC010477.2	lincRNA	0.12523439	0.04087178	0.01803282	0.01198467	0.01198467	0.27708382	0.38820149	0.00000000	0.27708382	0.04251198	0.38732861	0.06831029	0.28602860	0.00667490	0.00000000	
ENSGNO0004945	10	1094368	1094749	RBM04	protein coding	0.10768083	0.15122844	0.05094071	0.2983151	0.05976966	0.80144887	0.03746268	0.04843717	0.80020304	0.38670448	0.08833235	0.14373143	0.19341844	0.00000000	0.00000000	
ENSGNO0020543	22	4624411	4625011	CDPP1	protein coding	0.09898987	0.38739279	0.34863999	0.03109300	0.04041413	0.83032372	0.27818179	0.16009014	0.05103219	0.91402488	0.38651822	0.06602851	0.07456887	0.00662851	0.00000000	
ENSGNO0020340	10	6343338	6347268	AC005394.2	lincRNA	0.14473491	0.20814487	0.04145991	0.7497482	0.09737423	0.62867453	0.04065330	0.80602109	0.18324274	0.23812473	0.38647665	0.06858941	0.10432449	0.00032771	0.00000000	
ENSGNO0016131	11	15138651	15140366	WNA1	protein coding	0.24697003	0.00000000	0.2953232	0.04849729	0.38629769	0.45344938	0.26387972	0.23518731	0.22453202	0.10196134	0.38644032	0.06857192	0.38191077	0.00000000	0.00000000	
ENSGNO0015476	10	6262100	6326128	REEP3	protein coding	0.03563966	0.78985415	0.1647137	0.00296941	0.12871387	0.38011337	0.12967288	0.61815713	0.04987670	0.38643945	0.08881736	0.06640066	0.13124554	0.00000000	0.00000000	
ENSGNO0012472	12	1486955	1475790	AC011088.1	lincRNA	0.02867386	0.37977028	0.01152626	0.02867386	0.01152626	0.02867386	0.01152626	0.02867386	0.01152626	0.01152626	0.01152626	0.01152626	0.01152626	0.01152626	0.01152626	
ENSGNO0011921	3	1868978	1869347	SNRP	protein coding	0.11641034	0.06878474	0.25501413	0.07380002	0.04468291	0.34287432	0.03681717	0.84443362	0.02076501	0.88892404	0.38645403	0.06811456	0.26393242	0.04401021	0.00000000	
ENSGNO0018578	11	7881048	7888139	MORF4L	protein coding	0.06742237	0.01871107	0.23297710	0.02867386	0.01152626	0.02867386	0.01152626	0.02867386	0.01152626	0.01152626	0.01152626	0.01152626	0.01152626	0.01152626	0.01152626	0.01152626
ENSGNO0017188	4	12964256	12964499	APLN	protein coding	0.20326200	0.06900000	0.06871765	0.64871747	0.02672504	0.30086712	0.18039569	0.36789212	0.00681152	0.04111074	0.38166296	0.06875120	0.08842520	0.16458320	0.00000000	
ENSGNO0011585	5	1337177	13400475	VDR1	protein coding	0.46448087	0.12981458	0.41508769	0.00007098	0.3491856	0.07199327	0.43650713	0.02029162	0.4876834	0.00000000	0.38134471	0.0887744	0.1705677	0.00000000	0.00000000	
ENSGNO0016346	3	12184401	12184418	LINC512	lincRNA	0.06714239	0.15678821	0.08514643	0.01208704	0.03967915	0.12087054	0.38820149	0.03011773	0.11726381	0.38820149	0.06831029	0.10238032	0.06866143	0.00000000	0.00000000	
ENSGNO0010270	7	3812848	3823074	TARDON	protein coding	0.15289987	0.18495774	0.25848090	0.07345032	0.02924459	0.90083017	0.23471840	0.23845840	0.17888221	0.33379838	0.38600037	0.06888180	0.19848239	0.00000000	0.00000000	
ENSGNO0023889	4	8443401	8443414	SNCP1	processed pseudogene	0.10492867	0.02789174	0.16918102	0.18648447	0.09731908	0.07100728	0.16374545	0.40870933	0.12889598	0.00000000	0.38689762	0.06880200	0.14022709	0.03148191	0.00000000	
ENSGNO00179803	1	1762485	17230303	STAR3	protein coding	0.19106824	0.09600262	0.11093633	0.44038960	0.02924454	0.13187043	0.02476222	0.80241336	0.27318171	0.04638387	0.38859744	0.06881130	0.1248760	0.00000000	0.00000000	
ENSGNO0022621	1	9506345	9509272	RPR2P9	processed pseudogene	0.21123037	0.186106	0.24454919	0.0897386	0.08339978	0.438107	0.04474037	0.82446183	0.54584811	1.86206	0.38424260	0.0688180	0.16370978	0.00000000	0.00000000	
ENSGNO0017048	1	5133994	5133994	DNAH2	protein coding	0.02011338	0.44709918	0.14559944	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSGNO00134717	1	5100186	5200716	BTFL3	protein coding	0.18038202	0.11766507	0.15625709	0.08782480	0.03399997	0.60888547	0.01251348	0.05904067	0.17480000	0.19914767	0.06850266	0.38690295	0.26485126	0.08823210	0.00000000	
ENSGNO0011710	11	40251373	40548187	ZNF684	protein coding	0.05738793	0.02010873	0.11163511	0.04330663	0.03139877	0.15802186	0.27898368	0.1589138	0.06136552	0.69532060	0.38703787	0.06911744	0.03297714	0.76852317	0.00000000	
ENSGNO0015201	1	1810814	1810814	RAB19L	protein coding	0.20307377	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSGNO0028808	3	14136458	14274058	AC010373.2	lincRNA	0.12347058	0.24869773	0.13486930	0.34900600	0.18688190	0.30011322	0.20343084	0.30808510	0.00341800	0.05723281	0.38855427	0.09919746	0.07529438	0.00000000	0.00000000	
ENSGNO0016427	1	3261617	3268784	S100P8	protein coding	0.16096388	0.16267453	0.15380332	0.28243000	0.13333827	0.48821260	0.04647760	0.78671824	0.02118920	0.03296392	0.38855427	0.06858244	0.27222004	0.05576472	0.00000000	
ENSGNO0016234	1	1741840	17499454	RAB19L	processed pseudogene	0.16096388	0.16267453	0.15380332	0.28243000	0.13333827	0.48821260	0.04647760	0.78671824	0.02118920	0.03296392	0.38855427	0.06858244	0.27222004	0.05576472	0.00000000	
ENSGNO0023872	2	3774433	3774704	AC005369.2	lincRNA	0.07882286	0.49650312	0.14380958	0.02003440	0.01364721	0.35588862	0.06718802	0.777002	0.05886421	0.6619515	0.38855427	0.08825678	0.13588128	0.36631272	0.00000000	
ENSGNO0011529	2	5336272	5399100	ASB3	protein coding	0.19502826	0.08822368	0.37284163	0.00762020	0.21881128	0.1920176	0.27671271	0.05139270	0.1743255	0.20077314	0.38458449	0.06903502	0.13382876	0.2861801	0.00000000	
ENSGNO0019879	14	7898478	7898478	GALC	protein coding	0.14462889	0.20849114	0.02118009	0.08871962	0.02841499	0.2730184	0.27165081	0.08820172	0.64115891	0.38850426	0.06844745	0.32460574				

Table with columns: ENSGNOID, chr, start, end, gene, type, score, strand, and coordinates. Contains genomic data for various genes and features.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, Start, End, Start, End, Start, End. Contains genomic coordinates and gene names for various genes including BDNF, FGF1, and others.

ENSG00000175063	20	45812376	45816977*	URE2C	protein coding	0.019747811	0.864441623	0.28025412	0.048991943	0.239910579	0.22070712	0.21332167	0.28535320	-0.09164423	0.500895944	0.6343249	0.04729934	0.04158770	0.77429630	
ENSG00000175064	20	21522070	2167777*	URE2C	protein coding	0.16703719	0.8851483	0.14507200	0.020201156	0.16703719	0.16703719	0.20701501	0.26851062	-0.05923254	0.67055051	0.3642815	0.04729934	0.04158770	0.77429630	
ENSG00000169696	14	7200818	7200818	MYO10	protein coding	0.120201156	0.8851483	0.14507200	0.020201156	0.120201156	0.120201156	0.16703719	0.26851062	-0.05923254	0.67055051	0.3642815	0.04729934	0.04158770	0.77429630	
ENSG00000117419	1	44227010	44352260	ERF3	protein coding	0.11702202	0.3121785	0.36571599	0.04909202	0.10341892	0.45411561	0.36220450	0.06336479	0.04982284	0.66914144	0.34622635	0.08747224	0.05072688	0.68311474	
ENSG00000123708	1	7412395	7412395	LOC10252311	lincRNA	0.22742247	0.04869224	0.2367655	0.09842416	0.10325279	0.161026	0.10834909	0.43444875	0.08349259	0.34544875	0.36425255	0.08747224	0.05072688	0.68311474	
ENSG00000108106	10	5539745	5540778*	URE2B	protein coding	0.13758855	0.23272581	0.21185242	0.03947364	0.10663726	0.64712661	0.14742780	0.46291314	-0.08063982	0.47889387	0.36405498	0.08450498	0.11077878	0.44384027	
ENSG00000254036	8	12245853	12245735*	APMS1	protein coding	0.05455567	0.63591384	0.03494968	0.04142827	0.020920314	0.88544775	0.14659200	0.46591482	-0.12070441	0.3648157	0.36404471	0.08719913	0.04717679	0.58552414	
ENSG00000125455	10	1457830	1458124*	URE2A	protein coding	0.14696320	0.20211887	0.22425988	0.11742162	0.10087191	0.16162004	0.10704961	0.32451157	0.14224249	0.30474472	0.36405498	0.08450498	0.11077878	0.44384027	
ENSG0000055402	8	10975343	10974741*	LOC10252311	lincRNA	0.13601103	0.23821472	0.1791791	0.03141755	0.04502466	0.8392192	0.14398904	0.47372454	0.11085004	0.36475589	0.36393801	0.04717679	0.58552414	0.44384027	
ENSG00000129593	11	3692248	3692248	PPAP40	processed pseudogene	-0.01729958	0.783268149	0.22851043	0.17083734	0.17276873	0.02624903	0.88795956	-0.16377854	0.23699489	0.36383678	0.08719913	0.04717679	0.58552414	0.44384027	
ENSG00000265988	14	23491781	23491781	TARBP1	protein coding	0.0244829	0.832817284	0.28431207	0.03088952	0.0244829	0.03088952	0.14323819	0.0897933	0.14323819	0.36383678	0.08719913	0.04717679	0.58552414	0.44384027	
ENSG0000028564	14	5293185	5293185	LOC10252311	lincRNA	0.10189888	0.30185407	0.23388020	0.102108749	0.07428015	0.02020237	0.04822320	0.081989129	0.13635554	0.01962128	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000149468	20	3952544	3952700*	CH2CE	protein coding	-0.14542349	0.20697194	0.14988810	0.02691180	0.02691180	0.03012188	-0.06858248	0.73520018	-0.22339524	0.04117487	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG0000023010	5	14136032	14135129*	PCSK9B	protein coding	0.12385234	0.293978989	0.22538967	0.11584267	0.05871787	0.78191163	0.18019705	0.45537103	-0.10090871	0.4959894	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000505950	10	10096848	10097515	MRPL43	protein coding	0.21588641	0.05933384	0.16224287	0.02628009	0.07523609	0.05222271	-0.0567539	0.77857653	0.14297027	0.30237473	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000236789	10	4300874	4301238*	LOC10252311	lincRNA	-0.19157918	0.09069844	0.12708396	0.37914965	0.22375084	0.25198588	-0.13815183	0.49189973	-0.3162826	0.07198483	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000137409	11	3698912	3698912	MTC1	protein coding	0.18047260	0.31252594	0.27278765	0.05914371	0.12925404	0.40406434	0.14905734	0.33519078	0.1178219	0.39915774	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000137170	11	10984296	11028672*	SDX	protein coding	0.38310259	0.00505338	0.34077423	0.09838138	0.34884961	0.04450503	0.34884961	0.04450503	0.34884961	0.04450503	0.34884961	0.04450503	0.34884961	0.04450503	0.34884961
ENSG00000189117	21	3613454	3607938*	SETD4	protein coding	0.02037588	0.8024146	0.23789710	0.08491349	0.14625499	0.30684574	0.17328452	0.52670384	-0.0524963	0.50242938	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000102158	10	7752547	7759552*	MAGT1	protein coding	0.14663200	0.20211887	0.22425988	0.11742162	0.10087191	0.16162004	0.10704961	0.32451157	0.14224249	0.30474472	0.36405498	0.08450498	0.11077878	0.44384027	
ENSG00000107142	3	2380595	2389140*	UBE2E1	protein coding	0.39817543	0.00302131	0.19533928	0.14621426	0.01948544	0.14621426	0.14621426	0.14621426	0.14621426	0.14621426	0.14621426	0.14621426	0.14621426	0.14621426	
ENSG00000124614	8	34417454	3442800*	RPS10	protein coding	0.37011432	0.00272541	0.17888447	0.21071321	0.03400178	0.42621378	-0.07437469	0.69730708	0.04445242	0.01899369	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000141981	X	13427228	13427228	NTRO2	processed pseudogene	0.000714024	0.9896613	0.22707730	0.11142041	0.13390123	0.02646952	0.01938458	0.92544528	-0.14396904	0.23499077	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000200897	12	10374747	10377482*	LOC10252311	lincRNA	-0.030142024	0.78468187	0.14736387	0.03400178	0.03400178	0.03400178	0.03400178	0.03400178	0.03400178	0.03400178	0.03400178	0.03400178	0.03400178	0.03400178	
ENSG00000124535	8	275934	275934*	WRNIP1	protein coding	0.04816955	0.819819224	0.30078487	0.03021821	0.02824454	0.8872951	0.2783898	0.16213238	-0.00911920	0.96339724	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000079999	10	1048615	1050395*	MEPAP	protein coding	0.2895328	0.019182465	0.38642497	0.00584495	0.22189844	0.2691895	0.44573903	0.01077789	0.24229264	0.09027201	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000146888	10	9087182	9098553*	RFP30	protein coding	0.22323528	0.05992254	0.30314454	0.04308084	0.19282683	0.36107319	0.13721352	0.41486830	0.04685781	0.13852428	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000178188	16	2884680	2884712*	SH2B1	protein coding	0.01185243	0.91373454	0.12728917	0.20305174	0.18978405	0.31708882	-0.02093262	0.92075752	-0.10275237	0.45882828	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000119812	10	3328924	3328924	LOC10252311	lincRNA	0.18412404	0.29192234	0.20592528	0.04913841	0.02913841	0.02913841	0.02913841	0.02913841	0.02913841	0.02913841	0.02913841	0.02913841	0.02913841	0.02913841	
ENSG00000163584	1	15893076	15897700*	PYH1N1	protein coding	0.47986217	1.00545	0.4680491	0.00209424	0.00209424	0.00209424	0.00209424	0.00209424	0.00209424	0.00209424	0.00209424	0.00209424	0.00209424	0.00209424	
ENSG00000235272	12	6785891	6787019*	LOC10252311	lincRNA	0.14242545	0.21588522	0.04252925	0.75491570	0.44181233	0.01962128	-0.31446538	0.10778232	-0.04385858	0.75269955	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000181056	10	2725881	2725881	ABC3	protein coding	0.20017096	0.86179285	0.24800617	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	
ENSG00000167792	16	2275881	2240748*	ABC3A	protein coding	0.20017096	0.86179285	0.24800617	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	
ENSG00000129544	1	2303771	2343436*	HNRNP9	protein coding	0.44387707	0.318208	0.30392134	0.04071472	0.30392134	0.11781141	0.40072462	0.20977718	0.40072462	0.20977718	0.40072462	0.36383678	0.08719913	0.04717679	0.58552414
ENSG00000136091	11	11148186	11148186	LOC10252311	lincRNA	0.11851121	0.21588522	0.04252925	0.75491570	0.44181233	0.01962128	-0.31446538	0.10778232	-0.04385858	0.75269955	0.36383678	0.08719913	0.04717679	0.58552414	
ENSG00000285856	13	11148186	11183711*	ABC3	protein coding	0.20017096	0.86179285	0.24800617	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	0.04846500	
ENSG00000233970	2	625023	625023*	ASC2	protein coding	0.04653178	0.57109558	0.13473020	0.3206701	0.08813217	0.86203028	0.17248492	0.5450950	0.17989102	0.10268378	0.36240703	0.08719913	0.04717679	0.58552414	
ENSG00000101110	10	6031376	603855*	ANKRD1	protein coding	0.12545783	0.32975335	0.12014852	0.03865107	0.12014852	0.12014852	0.12014852	0.12014852	0.12014852	0.12014852	0.12014852	0.12014852	0.12014852	0.12014852	
ENSG00000199510	12	11032970	11040370*	ANAPC7	protein coding	0.24818727	0.04034889	0.18955035	0.18930850	0.04014472	0.88257389	0.12884522	0.52838428	0.01909305	0.89011223	0.36240703	0.08719913	0.04717679	0.58552414	
ENSG00000031341	10	8077432	8077432	LOC10252311	lincRNA	0.11851121	0.21588522	0.04252925	0.75491570											

Table with 10 columns: Gene ID, Gene Name, Feature, Coordinates, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession, RefSeq Date, RefSeq Version. The table lists various genes and their genomic features across different chromosomes.

Table with columns for gene ID, gene name, protein name, and coordinates. The table lists numerous genes such as ENG00000146923, ENG00000146924, etc., with their corresponding protein names and genomic coordinates.

Table with 10 columns: Gene ID, Chr, Pos, RefSeq ID, Gene Name, Feature Type, Start, End, Strand, RefSeq ID, Gene Name, Feature Type, Start, End, Strand. Contains genomic coordinates and gene annotations for various genes like AC091564, AC091565, AC091566, etc.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Type, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Description, RefSeq Link. The table lists numerous genes and their associated genomic coordinates and descriptions.

Table with columns for gene names (e.g., ENGG00023170), coordinates, and various numerical values. The table lists numerous genes and their associated data points across multiple rows.

ENSG00000203791	10	12474149	12479187	EEF1AM2T	protein coding	0.16344377	0.15449074	0.17068874	0.22373450	0.26518902	0.18128130	-0.14137200	0.48181534	-0.04276273	0.76184816	0.32503111	0.13020296	0.31244401	0.02202630
ENSG0000021384	20	2055329	2036141	LOC101928	protein coding	0.15981729 <th>0.0814524 <th>0.17574713 <th>0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.0814524 <th>0.17574713 <th>0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.17574713 <th>0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.48573316	0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.13020296	0.31244401	0.02202630
ENSG00000227399	4	37641243	37634374	NOL12	protein coding	0.15981729 <th>0.0814524 <th>0.17574713 <th>0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.0814524 <th>0.17574713 <th>0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.17574713 <th>0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.38125249 <th>0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.30711063 <th>0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.16372829 <th>-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.02627699 <th>0.48573316</th> <th>0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.48573316	0.14665454 <th>0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.2074817 <th>0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.32044073 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.13020296	0.31244401	0.02202630
ENSG00000249685	4	10555510	10555522	CCDC294	protein coding	0.18108441 <th>0.15115744 <th>0.20638324 <th>0.14594145 <th>0.24175177 <th>0.2237751 <th>0.07924266 <th>0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th></th>	0.15115744 <th>0.20638324 <th>0.14594145 <th>0.24175177 <th>0.2237751 <th>0.07924266 <th>0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.20638324 <th>0.14594145 <th>0.24175177 <th>0.2237751 <th>0.07924266 <th>0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.14594145 <th>0.24175177 <th>0.2237751 <th>0.07924266 <th>0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.24175177 <th>0.2237751 <th>0.07924266 <th>0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.2237751 <th>0.07924266 <th>0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.07924266 <th>0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.6943812 <th>0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.12192743 <th>0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.37979164 <th>0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.32466345 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.13020296	0.31244401	0.02202630
ENSG0000026838	14	9620479	9624418	LOC101928	protein coding	0.16004833 <th>0.09481104 <th>0.13122604 <th>0.28012380 <th>0.23348468 <th>0.16494168 <th>-0.11998983 <th>0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th></th>	0.09481104 <th>0.13122604 <th>0.28012380 <th>0.23348468 <th>0.16494168 <th>-0.11998983 <th>0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.13122604 <th>0.28012380 <th>0.23348468 <th>0.16494168 <th>-0.11998983 <th>0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.28012380 <th>0.23348468 <th>0.16494168 <th>-0.11998983 <th>0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.23348468 <th>0.16494168 <th>-0.11998983 <th>0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.16494168 <th>-0.11998983 <th>0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	-0.11998983 <th>0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.29076786 <th>0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.25373555 <th>0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.04411731 <th>0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.32482626 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.13020296	0.31244401	0.02202630
ENSG0000028444	13	13504444	13504444	FAM32B	protein coding	0.15517274 <th>0.12744444 <th>0.17425444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>-0.12154444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.12744444 <th>0.17425444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>-0.12154444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.17425444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>-0.12154444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.27125444 <th>0.22154444 <th>0.12154444 <th>-0.12154444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.22154444 <th>0.12154444 <th>-0.12154444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.12154444 <th>-0.12154444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.12154444 <th>0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.27125444 <th>0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.22154444 <th>0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.12154444 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32482626	0.13020296	0.31244401	0.02202630
ENSG0000020421	10	8872544	8872574	LPK	protein coding	0.10573404 <th>0.09300291 <th>0.17329193 <th>0.22884608 <th>0.10544939 <th>0.17876977 <th>-0.17708883 <th>0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th></th>	0.09300291 <th>0.17329193 <th>0.22884608 <th>0.10544939 <th>0.17876977 <th>-0.17708883 <th>0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.17329193 <th>0.22884608 <th>0.10544939 <th>0.17876977 <th>-0.17708883 <th>0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.22884608 <th>0.10544939 <th>0.17876977 <th>-0.17708883 <th>0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.10544939 <th>0.17876977 <th>-0.17708883 <th>0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.17876977 <th>-0.17708883 <th>0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	-0.17708883 <th>0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.34748733 <th>0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.22340889 <th>0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.10422889 <th>0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.33066773 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.13020296	0.31244401	0.02202630
ENSG0000026307	19	4695392	4691597	RVL2L	protein coding	0.17122252 <th>0.13447652 <th>0.2733454 <th>0.165118847 <th>0.25688244 <th>0.19729579 <th>0.26512441 <th>0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.13447652 <th>0.2733454 <th>0.165118847 <th>0.25688244 <th>0.19729579 <th>0.26512441 <th>0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.2733454 <th>0.165118847 <th>0.25688244 <th>0.19729579 <th>0.26512441 <th>0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.165118847 <th>0.25688244 <th>0.19729579 <th>0.26512441 <th>0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.25688244 <th>0.19729579 <th>0.26512441 <th>0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.19729579 <th>0.26512441 <th>0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.26512441 <th>0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.20615371 <th>0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.16278493 <th>0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.23265442 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG0000027996	1	3291353	3291353	AL13902.1	protein coding	0.15299222 <th>0.12299222 <th>0.17299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.12299222 <th>0.17299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.17299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32482626	0.13020296	0.31244401	0.02202630
ENSG0000015382	17	5622700	5622700	LOC101928	protein coding	0.140486902 <th>0.22931453 <th>0.13549576 <th>0.40430380 <th>0.02682759 <th>0.09633379 <th>-0.09126001 <th>0.84638106</th> <th>0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.22931453 <th>0.13549576 <th>0.40430380 <th>0.02682759 <th>0.09633379 <th>-0.09126001 <th>0.84638106</th> <th>0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.13549576 <th>0.40430380 <th>0.02682759 <th>0.09633379 <th>-0.09126001 <th>0.84638106</th> <th>0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.40430380 <th>0.02682759 <th>0.09633379 <th>-0.09126001 <th>0.84638106</th> <th>0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.02682759 <th>0.09633379 <th>-0.09126001 <th>0.84638106</th> <th>0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.09633379 <th>-0.09126001 <th>0.84638106</th> <th>0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	-0.09126001 <th>0.84638106</th> <th>0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.84638106	0.11772995 <th>0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.11772995 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000199192	8	94719703	94708368	DMY3L3	protein coding	0.02729071 <th>0.53040172 <th>0.28990127 <th>0.24020272 <th>0.32255333 <th>0.54026302 <th>0.18306206 <th>0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.53040172 <th>0.28990127 <th>0.24020272 <th>0.32255333 <th>0.54026302 <th>0.18306206 <th>0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.28990127 <th>0.24020272 <th>0.32255333 <th>0.54026302 <th>0.18306206 <th>0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.24020272 <th>0.32255333 <th>0.54026302 <th>0.18306206 <th>0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.32255333 <th>0.54026302 <th>0.18306206 <th>0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.54026302 <th>0.18306206 <th>0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.18306206 <th>0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.36798378 <th>-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.20878955 <th>0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.12972979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG0000014624	4	4199302	42004611	LOC101928	protein coding	0.15299222 <th>0.12299222 <th>0.17299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.12299222 <th>0.17299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.17299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.27299222 <th>0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.22299222 <th>0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.12299222 <th>-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.12299222 <th>0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.27299222 <th>0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.22299222 <th>0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.12299222 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32482626	0.13020296	0.31244401	0.02202630
ENSG00000166492	11	3410352	3424246	FAM65G	unprocessed pseudogene	0.20208099 <th>0.07639193 <th>0.05754953 <th>0.70503112 <th>0.13682827 <th>0.08301438 <th>-0.28324459 <th>0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.07639193 <th>0.05754953 <th>0.70503112 <th>0.13682827 <th>0.08301438 <th>-0.28324459 <th>0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.05754953 <th>0.70503112 <th>0.13682827 <th>0.08301438 <th>-0.28324459 <th>0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.70503112 <th>0.13682827 <th>0.08301438 <th>-0.28324459 <th>0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.13682827 <th>0.08301438 <th>-0.28324459 <th>0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.08301438 <th>-0.28324459 <th>0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.28324459 <th>0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.15224387 <th>-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.38747437 <th>0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.00278979 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000197935	6	2994478	2995318	ZNF311	protein coding	0.06361868 <th>0.57222821 <th>0.20111819 <th>0.10714383 <th>0.07295658</th> <th>0.70102306 <th>0.3446707 <th>0.07830272 <th>0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.57222821 <th>0.20111819 <th>0.10714383 <th>0.07295658</th> <th>0.70102306 <th>0.3446707 <th>0.07830272 <th>0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.20111819 <th>0.10714383 <th>0.07295658</th> <th>0.70102306 <th>0.3446707 <th>0.07830272 <th>0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.10714383 <th>0.07295658</th> <th>0.70102306 <th>0.3446707 <th>0.07830272 <th>0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.07295658	0.70102306 <th>0.3446707 <th>0.07830272 <th>0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.3446707 <th>0.07830272 <th>0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.07830272 <th>0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.16725977 <th>0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.24404314 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000152399	5	7874124	7871448	POCS	protein coding	0.27987077 <th>0.01307933 <th>0.22951517 <th>0.10896742 <th>0.00906795 <th>0.76920453 <th>0.14069074 <th>0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.01307933 <th>0.22951517 <th>0.10896742 <th>0.00906795 <th>0.76920453 <th>0.14069074 <th>0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.22951517 <th>0.10896742 <th>0.00906795 <th>0.76920453 <th>0.14069074 <th>0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.10896742 <th>0.00906795 <th>0.76920453 <th>0.14069074 <th>0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.00906795 <th>0.76920453 <th>0.14069074 <th>0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.76920453 <th>0.14069074 <th>0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.14069074 <th>0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.31020296 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630	0.31244401	0.02202630
ENSG00000171877	17	4378071	4418521	ZNF315	protein coding	0.23223927 <th>0.04028129 <th>0.04028129</th> <th>0.77962828</th> <th>0.22999932 <th>0.51493933</th> <th>-0.31745111 <th>0.10663095</th> <th>0.10663095</th> <th>0.10663095</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.04028129 <th>0.04028129</th> <th>0.77962828</th> <th>0.22999932 <th>0.51493933</th> <th>-0.31745111 <th>0.10663095</th> <th>0.10663095</th> <th>0.10663095</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.04028129	0.77962828	0.22999932 <th>0.51493933</th> <th>-0.31745111 <th>0.10663095</th> <th>0.10663095</th> <th>0.10663095</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.51493933	-0.31745111 <th>0.10663095</th> <th>0.10663095</th> <th>0.10663095</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.10663095	0.10663095	0.10663095	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000252402	12	3271587	3271653	RCC12P	protein coding	0.14401537 <th>0.15177489 <th>0.03636234 <th>0.80261017 <th>0.18135374 <th>0.98311608 <th>-0.18607764 <th>0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.15177489 <th>0.03636234 <th>0.80261017 <th>0.18135374 <th>0.98311608 <th>-0.18607764 <th>0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.03636234 <th>0.80261017 <th>0.18135374 <th>0.98311608 <th>-0.18607764 <th>0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.80261017 <th>0.18135374 <th>0.98311608 <th>-0.18607764 <th>0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.18135374 <th>0.98311608 <th>-0.18607764 <th>0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.98311608 <th>-0.18607764 <th>0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.18607764 <th>0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.27292891 <th>-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.74941043 <th>0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.04144881 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32482626	0.13020296	0.31244401	0.02202630
ENSG00000177725	25	4926138	4911712	AC10508.1	protein coding	0.14182115 <th>0.15494269 <th>0.08507091 <th>0.16761415 <th>0.31022779 <th>0.15170707 <th>-0.11340062 <th>0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.15494269 <th>0.08507091 <th>0.16761415 <th>0.31022779 <th>0.15170707 <th>-0.11340062 <th>0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.08507091 <th>0.16761415 <th>0.31022779 <th>0.15170707 <th>-0.11340062 <th>0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.16761415 <th>0.31022779 <th>0.15170707 <th>-0.11340062 <th>0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.31022779 <th>0.15170707 <th>-0.11340062 <th>0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.15170707 <th>-0.11340062 <th>0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.11340062 <th>0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.61494841 <th>-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.21700789 <th>0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.09192793 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000202666	6	5641390	5642133	KCTD29	unprocessed pseudogene	0.00976985 <th>0.93279989 <th>0.19850229 <th>0.25245482 <th>0.19850229 <th>0.19850229 <th>-0.19850229 <th>0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.93279989 <th>0.19850229 <th>0.25245482 <th>0.19850229 <th>0.19850229 <th>-0.19850229 <th>0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.19850229 <th>0.25245482 <th>0.19850229 <th>0.19850229 <th>-0.19850229 <th>0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.25245482 <th>0.19850229 <th>0.19850229 <th>-0.19850229 <th>0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.19850229 <th>0.19850229 <th>-0.19850229 <th>0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.19850229 <th>-0.19850229 <th>0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	-0.19850229 <th>0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.19850229 <th>0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.19850229 <th>0.19850229</th> <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.19850229	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000145191	3	18413638	18414287	EPB2	protein coding	0.14747374 <th>0.21063790 <th>0.10717813 <th>0.03202912 <th>0.04414054 <th>0.84136163 <th>0.25320071 <th>0.20141638</th> <th>0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.21063790 <th>0.10717813 <th>0.03202912 <th>0.04414054 <th>0.84136163 <th>0.25320071 <th>0.20141638</th> <th>0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.10717813 <th>0.03202912 <th>0.04414054 <th>0.84136163 <th>0.25320071 <th>0.20141638</th> <th>0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.03202912 <th>0.04414054 <th>0.84136163 <th>0.25320071 <th>0.20141638</th> <th>0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.04414054 <th>0.84136163 <th>0.25320071 <th>0.20141638</th> <th>0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.84136163 <th>0.25320071 <th>0.20141638</th> <th>0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.25320071 <th>0.20141638</th> <th>0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.20141638	0.00044246 <th>0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.14472529 <th>0.32482626</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32482626	0.13020296	0.31244401	0.02202630
ENSG00000226494	3	37197817	37197817	AC00808.4	protein coding	0.10696397 <th>0.35265174 <th>0.08349749 <th>0.58319723 <th>0.05623571 <th>0.78004292 <th>0.04933022 <th>0.80963060</th> <th>-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.35265174 <th>0.08349749 <th>0.58319723 <th>0.05623571 <th>0.78004292 <th>0.04933022 <th>0.80963060</th> <th>-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.08349749 <th>0.58319723 <th>0.05623571 <th>0.78004292 <th>0.04933022 <th>0.80963060</th> <th>-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.58319723 <th>0.05623571 <th>0.78004292 <th>0.04933022 <th>0.80963060</th> <th>-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.05623571 <th>0.78004292 <th>0.04933022 <th>0.80963060</th> <th>-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.78004292 <th>0.04933022 <th>0.80963060</th> <th>-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.04933022 <th>0.80963060</th> <th>-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.80963060	-0.10191325 <th>0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.04698158 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG0000023202	2	4282632	4282716	CHORDC1P	protein coding	0.07840878 <th>0.48785165 <th>0.05528373 <th>0.15564389 <th>0.08945552 <th>0.66587597 <th>-0.18471037 <th>0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.48785165 <th>0.05528373 <th>0.15564389 <th>0.08945552 <th>0.66587597 <th>-0.18471037 <th>0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.05528373 <th>0.15564389 <th>0.08945552 <th>0.66587597 <th>-0.18471037 <th>0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.15564389 <th>0.08945552 <th>0.66587597 <th>-0.18471037 <th>0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.08945552 <th>0.66587597 <th>-0.18471037 <th>0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.66587597 <th>-0.18471037 <th>0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.18471037 <th>0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.33026136 <th>-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.11990314 <th>0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.38729527 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG0000023390	27	3761432	3768377	PDPX2P	protein coding	0.03361121 <th>0.33119683 <th>0.05881841 <th>0.88849841 <th>0.12115302 <th>0.28961197 <th>-0.13334488 <th>0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.33119683 <th>0.05881841 <th>0.88849841 <th>0.12115302 <th>0.28961197 <th>-0.13334488 <th>0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.05881841 <th>0.88849841 <th>0.12115302 <th>0.28961197 <th>-0.13334488 <th>0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.88849841 <th>0.12115302 <th>0.28961197 <th>-0.13334488 <th>0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.12115302 <th>0.28961197 <th>-0.13334488 <th>0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.28961197 <th>-0.13334488 <th>0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.13334488 <th>0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.50731262 <th>-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.04488157 <th>0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.04265503 <th>0.3247075</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3247075	0.13020296	0.31244401	0.02202630
ENSG0000020476	2	1901578	1902252	AC10794.4	protein coding	0.07118842 <th>0.33851107 <th>0.07112578 <th>0.46564449 <th>0.15438412 <th>0.33387876 <th>-0.00891265 <th>0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.33851107 <th>0.07112578 <th>0.46564449 <th>0.15438412 <th>0.33387876 <th>-0.00891265 <th>0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.07112578 <th>0.46564449 <th>0.15438412 <th>0.33387876 <th>-0.00891265 <th>0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.46564449 <th>0.15438412 <th>0.33387876 <th>-0.00891265 <th>0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.15438412 <th>0.33387876 <th>-0.00891265 <th>0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.33387876 <th>-0.00891265 <th>0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.00891265 <th>0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.48883968 <th>-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.15591639 <th>0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.15625770 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32421449	0.13020296	0.31244401	0.02202630
ENSG00000284292	7	9525289	9526343	AC004822.1	protein coding	0.11203712 <th>0.37119763 <th>0.11791706 <th>0.41481121 <th>0.06873348 <th>0.74127971 <th>-0.13417685 <th>0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.37119763 <th>0.11791706 <th>0.41481121 <th>0.06873348 <th>0.74127971 <th>-0.13417685 <th>0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.11791706 <th>0.41481121 <th>0.06873348 <th>0.74127971 <th>-0.13417685 <th>0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.41481121 <th>0.06873348 <th>0.74127971 <th>-0.13417685 <th>0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.06873348 <th>0.74127971 <th>-0.13417685 <th>0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.74127971 <th>-0.13417685 <th>0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.13417685 <th>0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.5041823 <th>-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.05874732 <th>0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.03730289 <th>0.3241132</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3241132	0.13020296	0.31244401	0.02202630
ENSG0000019851	8	15732258	15737311	HL17344.1	protein coding	0.00713458 <th>0.95898563 <th>0.21821516 <th>0.12801155 <th>0.08993014 <th>0.80274453 <th>0.12187888 <th>0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.95898563 <th>0.21821516 <th>0.12801155 <th>0.08993014 <th>0.80274453 <th>0.12187888 <th>0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.21821516 <th>0.12801155 <th>0.08993014 <th>0.80274453 <th>0.12187888 <th>0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.12801155 <th>0.08993014 <th>0.80274453 <th>0.12187888 <th>0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.08993014 <th>0.80274453 <th>0.12187888 <th>0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.80274453 <th>0.12187888 <th>0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.12187888 <th>0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.54471125 <th>-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.00089393 <th>0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.17919671 <th>0.32421449</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32421449	0.13020296	0.31244401	0.02202630
ENSG00000287789	19	8115160	8115384	AC00719.9	protein coding	0.12981899 <th>0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG0000046604	18	3148817	3149008	DSG2	protein coding	0.26329367 <th>0.01856478 <th>0.11225439 <th>0.44179322 <th>0.38993382 <th>0.66073878 <th>-0.08074337 <th>0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.01856478 <th>0.11225439 <th>0.44179322 <th>0.38993382 <th>0.66073878 <th>-0.08074337 <th>0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.11225439 <th>0.44179322 <th>0.38993382 <th>0.66073878 <th>-0.08074337 <th>0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.44179322 <th>0.38993382 <th>0.66073878 <th>-0.08074337 <th>0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.38993382 <th>0.66073878 <th>-0.08074337 <th>0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.66073878 <th>-0.08074337 <th>0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.08074337 <th>0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.76343318 <th>-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.32882579 <th>0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.01510267 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000225246	20	3412270	3412270	RPS1P	protein coding	0.04807106 <th>0.67022908 <th>0.14483793 <th>0.15207533 <th>0.25471109 <th>0.19406746 <th>-0.16812299 <th>0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.67022908 <th>0.14483793 <th>0.15207533 <th>0.25471109 <th>0.19406746 <th>-0.16812299 <th>0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.14483793 <th>0.15207533 <th>0.25471109 <th>0.19406746 <th>-0.16812299 <th>0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.15207533 <th>0.25471109 <th>0.19406746 <th>-0.16812299 <th>0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.25471109 <th>0.19406746 <th>-0.16812299 <th>0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.19406746 <th>-0.16812299 <th>0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.16812299 <th>0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.40750968 <th>-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.38888858 <th>0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.04297196 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3238695	0.13020296	0.31244401	0.02202630
ENSG0000025445	18	1029222	1029222	AC004822.1	protein coding	0.12981899 <th>0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG0000026086	16	6895106	6895106	AC12373.5	unprocessed pseudogene	0.27110610 <th>0.14692097 <th>0.0553634 <th>0.70151043 <th>0.38378993 <th>0.40570001 <th>-0.24943128 <th>0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.14692097 <th>0.0553634 <th>0.70151043 <th>0.38378993 <th>0.40570001 <th>-0.24943128 <th>0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.0553634 <th>0.70151043 <th>0.38378993 <th>0.40570001 <th>-0.24943128 <th>0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.70151043 <th>0.38378993 <th>0.40570001 <th>-0.24943128 <th>0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th></th></th></th></th>	0.38378993 <th>0.40570001 <th>-0.24943128 <th>0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th></th></th></th>	0.40570001 <th>-0.24943128 <th>0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th></th></th>	-0.24943128 <th>0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th></th>	0.76195148 <th>-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th> </th>	-0.03385658 <th>0.3238695</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> <th>0.02202630</th>	0.3238695	0.13020296	0.31244401	0.02202630	0.02202630
ENSG00000258177	12	9622719	9622719	AC004819.1	protein coding	0.02145718 <th>0.85136788 <th>-0.00441677 <th>0.99729115 <th>0.09248987 <th>0.54832025 <th>-0.24395719 <th>0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th></th>	0.85136788 <th>-0.00441677 <th>0.99729115 <th>0.09248987 <th>0.54832025 <th>-0.24395719 <th>0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	-0.00441677 <th>0.99729115 <th>0.09248987 <th>0.54832025 <th>-0.24395719 <th>0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.99729115 <th>0.09248987 <th>0.54832025 <th>-0.24395719 <th>0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.09248987 <th>0.54832025 <th>-0.24395719 <th>0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.54832025 <th>-0.24395719 <th>0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	-0.24395719 <th>0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.22009334 <th>-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	-0.12725251 <th>0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.32320191 <th>0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.32402081 <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.13020296	0.31244401	0.02202630
ENSG00000174489	17	1772722	1772722	AC00808.4	protein coding	0.04084895 <th>0.93091391 <th>0.23040209 <th>0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.93091391 <th>0.23040209 <th>0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.23040209 <th>0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3247124	0.13020296	0.31244401	0.02202630
ENSG00000145457	17	3714628	3801188	ITGA5	protein coding	0.15708348 <th>0.17624523 <th>0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.17624523 <th>0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3247124	0.13020296	0.31244401	0.02202630
ENSG00000159966	2	17502750	17516382	ATF2	protein coding	0.40048495 <th>0.03091391 <th>0.23040209 <th>0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.03091391 <th>0.23040209 <th>0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.23040209 <th>0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.10338566 <th>0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.47786672 <th>0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.91134292 <th>0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	0.07912222 <th>0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.69412672 <th>0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.36417992 <th>0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.02992622 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3247124	0.13020296	0.31244401	0.02202630
ENSG00000250132	1	1170124	1170124	AC00808.4	protein coding	0.12981899 <th>0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000265511	17	1750731	1750814	ZNF158	protein coding	0.15708348 <th>0.17624523 <th>0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.17624523 <th>0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3247124	0.13020296	0.31244401	0.02202630
ENSG00000171204	11	1582573	1582573	TMEM258	protein coding	0.34832403 <th>0.00119207 <th>0.06999274 <th>0.84038464 <th>0.07829706 <th>0.3016202 <th>-0.252701078 <th>0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.00119207 <th>0.06999274 <th>0.84038464 <th>0.07829706 <th>0.3016202 <th>-0.252701078 <th>0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.06999274 <th>0.84038464 <th>0.07829706 <th>0.3016202 <th>-0.252701078 <th>0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.84038464 <th>0.07829706 <th>0.3016202 <th>-0.252701078 <th>0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.07829706 <th>0.3016202 <th>-0.252701078 <th>0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.3016202 <th>-0.252701078 <th>0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.252701078 <th>0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.1951209 <th>0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	0.30429077 <th>0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.02113268 <th>0.32356405</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32356405	0.13020296	0.31244401	0.02202630
ENSG0000028781	1	1000000	1000000	AC004822.1	protein coding	0.12981899 <th>0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.27298234 <th>0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.10774091 <th>0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.48937441 <th>0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.115469929 <th>0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.66918494 <th>-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.38289781 <th>0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.08538412 <th>-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.0320141 <th>0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.05933407 <th>0.32466345</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.32466345	0.13020296	0.31244401	0.02202630
ENSG00000233885	3	18306457	18307163	ITGA5	protein coding	0.15708348 <th>0.17624523 <th>0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th></th>	0.17624523 <th>0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th></th>	0.06168583 <th>0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th></th>	0.68067660 <th>0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th></th>	0.25968628 <th>0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th></th>	0.91455545 <th>-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th></th>	-0.20048228 <th>0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th></th>	0.14611504 <th>-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th></th>	-0.04488157 <th>0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th> </th>	0.04265503 <th>0.3247124</th> <th>0.13020296</th> <th>0.31244401</th> <th>0.02202630</th>	0.3247124	0.13020296	0.31244401	0.02202630
ENSG00000163376	3	6699897	67011210	KIF20B <th>protein coding</th> <th>0.01027828</th>	protein coding	0.01027828	0.98714												

Table with 10 columns: Gene ID, Chr, Pos, RefSeq ID, Gene Name, Feature, Start, End, Strand, and various numerical values. The table lists numerous genes such as ALKBH7, ALKBH8, ALKBH9, ALKBH10, ALKBH11, ALKBH12, ALKBH13, ALKBH14, ALKBH15, ALKBH16, ALKBH17, ALKBH18, ALKBH19, ALKBH20, ALKBH21, ALKBH22, ALKBH23, ALKBH24, ALKBH25, ALKBH26, ALKBH27, ALKBH28, ALKBH29, ALKBH30, ALKBH31, ALKBH32, ALKBH33, ALKBH34, ALKBH35, ALKBH36, ALKBH37, ALKBH38, ALKBH39, ALKBH40, ALKBH41, ALKBH42, ALKBH43, ALKBH44, ALKBH45, ALKBH46, ALKBH47, ALKBH48, ALKBH49, ALKBH50, ALKBH51, ALKBH52, ALKBH53, ALKBH54, ALKBH55, ALKBH56, ALKBH57, ALKBH58, ALKBH59, ALKBH60, ALKBH61, ALKBH62, ALKBH63, ALKBH64, ALKBH65, ALKBH66, ALKBH67, ALKBH68, ALKBH69, ALKBH70, ALKBH71, ALKBH72, ALKBH73, ALKBH74, ALKBH75, ALKBH76, ALKBH77, ALKBH78, ALKBH79, ALKBH80, ALKBH81, ALKBH82, ALKBH83, ALKBH84, ALKBH85, ALKBH86, ALKBH87, ALKBH88, ALKBH89, ALKBH90, ALKBH91, ALKBH92, ALKBH93, ALKBH94, ALKBH95, ALKBH96, ALKBH97, ALKBH98, ALKBH99, ALKBH100.

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand. Contains genomic coordinates and gene annotations for various genes like AC092771, AC092772, AC092773, etc.

ENSG0000028271	17	5343131	5343298	AC090709.1	processed_pseudogene	-0.1200718	0.29816174	-0.09118915	0.5288186	0.008494159	0.656907003	-0.3268951	0.06637826	-0.209907414	0.172659169	0.28153814	0.19311147	0.032056159	0.833128971	
ENSG0000028272	17	12620310	12621830	TM18.1	lncRNA	0.03038093	0.64222769	-0.14428971	0.42561760	0.02127253	0.58515510	-0.16491390	0.41106790	-0.11181960	0.27478160	0.28153814	0.19311147	0.032056159	0.833128971	
ENSG0000046471	17	836220	836220	TM18.1	lncRNA	0.03038093	0.64222769	-0.14428971	0.42561760	0.02127253	0.58515510	-0.16491390	0.41106790	-0.11181960	0.27478160	0.28153814	0.19311147	0.032056159	0.833128971	
ENSG0000018810	17	3478174	34783630	GUB3	protein_coding	-0.30074460	0.07076473	-0.01688970	0.40748810	0.36245783	0.06310140	-0.13578970	0.49862167	-0.36883334	0.00601952	0.24172496	0.18227436	0.20277447	0.01442077	0.0142077
ENSG0000029227	17	46597819	46612130	ADAMTS1	lncRNA	0.050272984	0.42767070	-0.11044229	0.44514669	0.03202964	0.63033305	-0.15913460	0.42747453	-0.04400000	0.52320044	0.28146819	0.18227436	0.20277447	0.01442077	0.0142077
ENSG00000138116	17	70744511	70744511	ADAMTS1	lncRNA	0.050272984	0.42767070	-0.11044229	0.44514669	0.03202964	0.63033305	-0.15913460	0.42747453	-0.04400000	0.52320044	0.28146819	0.18227436	0.20277447	0.01442077	0.0142077
ENSG00000203173	17	127455394	127514623	AC010976.1	lncRNA	-0.10528200	0.19043173	-0.09368040	0.51781548	0.101995545	0.921301354	-0.39996357	0.05750590	-0.23668881	0.08689263	0.21482302	0.10265112	0.06512188	0.63260688	
ENSG00000300374	17	11766268	117710189	RP1.093	processed_pseudogene	0.042729544	0.01077690	0.22498110	0.11621590	0.34455555	0.1224734	0.14278070	0.47442078	0.23295737	0.08655142	0.28139795	0.18334360	0.33714440	0.01342640	
ENSG00000100023	17	21966909	21971574	RP1.093	processed_pseudogene	0.042729544	0.01077690	0.22498110	0.11621590	0.34455555	0.1224734	0.14278070	0.47442078	0.23295737	0.08655142	0.28139795	0.18334360	0.33714440	0.01342640	
ENSG00000125999	17	33273480	33309871	BP1F1	protein_coding	-0.33582113	0.02068890	-0.06916293	0.56513058	0.404202973	0.033919624	-0.22692661	0.13088010	-0.47884660	0.00249443	0.28139795	0.18334360	0.33714440	0.01342640	0.01342640
ENSG0000024016	17	1074252	10769889	AC015938.3	lncRNA	-0.12226278	0.13397013	-0.07191057	0.49370180	0.18389560	0.24277791	-0.17890336	0.2718903	-0.26981215	0.04671088	0.28139795	0.18334360	0.33714440	0.01342640	
ENSG0000015398	17	2901121	2901121	AC015938.1	lncRNA	-0.06917471	0.16548512	-0.04263263	0.46929264	0.18389560	0.24277791	-0.17890336	0.2718903	-0.26981215	0.04671088	0.28139795	0.18334360	0.33714440	0.01342640	
ENSG00000134160	17	31001981	31161273	TRPM1	protein_coding	-0.212510264	0.063521393	-0.022232269	0.597723154	-0.12844411	0.522994373	-0.17320360	0.37608388	-0.2728125	0.04647160	0.28111684	0.19338889	0.20998218	0.01342640	0.01342640
ENSG00000106258	17	9648194	9667969	CPV2A	protein_coding	-0.217078429	0.09359869	-0.04119246	0.73868877	-0.22273915	0.264113327	-0.10703807	0.24801192	-0.26734904	0.02481043	0.28116817	0.19338889	0.20998218	0.01342640	0.01342640
ENSG00000141492	17	14483180	144908514	ANAPC10	protein_coding	0.18789864	0.04814937	0.14320914	0.31121865	0.3873498	0.04983630	0.19223326	0.43483888	0.28709020	0.03480378	0.28116817	0.19338889	0.20998218	0.01342640	0.01342640
ENSG00000141295	17	47837692	47841289	SNRN2	protein_coding	0.012872033	0.91153210	0.23157074	0.10568312	-0.24896905	0.21441900	-0.11215876	0.25700514	-0.12320110	0.11281356	0.28121070	0.19338889	0.20998218	0.01342640	0.01342640
ENSG00000272719	17	5356731	5357243	AC004843.2	lncRNA	-0.13184342	0.25264710	-0.14507012	0.31217006	0.05859914	0.78310712	-0.26897540	0.12979648	-0.14468227	0.24681584	0.28116817	0.19338889	0.20998218	0.01342640	0.01342640
ENSG00000119650	17	7093200	7093495	IFIT3	protein_coding	-0.20011461	0.07193944	-0.09005370	0.49579141	0.15239320	0.53331961	-0.24589191	0.20009631	-0.23849414	0.28116817	0.19338889	0.20998218	0.01342640	0.01342640	0.01342640
ENSG00000256053	17	10586260	103607523	COA8	protein_coding	0.08718836	0.45079784	0.07978130	0.79978130	0.08078136	0.88788571	-0.00400389	0.99719201	-0.00400389	0.99719201	0.19338889	0.20998218	0.01342640	0.01342640	0.01342640
ENSG00000231439	17	2210	25121	WDR32	protein_coding	-0.18053084	0.09898513	-0.07292304	0.6126230	0.12591057	0.53379013	-0.07144687	0.1190826	-0.3741542	0.00618336	0.2810630	0.18424849	-0.130229	0.38715433	
ENSG00000164615	17	13473846	13475127	CAML3	protein_coding	0.12702852	0.13833156	0.18467434	0.19911975	0.28431271	0.14899781	0.09603905	0.74344165	0.11793102	0.36971218	0.28084207	0.19428722	0.22739238	0.11276693	
ENSG00000260889	17	4684263	4684418	CKBP1	processed_pseudogene	-0.23244758	0.01303292	-0.0283410	0.9283410	-0.04359391	0.02533601	-0.13244518	0.0145314	-0.40360752	0.07079255	0.28083461	0.19427190	0.17788528	0.21622182	
ENSG00000113911	17	5388447	5389198	SELECN2	protein_coding	0.28931512	0.01782929	0.17772584	0.14745684	0.18633307	0.04665874	0.11397350	0.57138951	0.29507173	0.03030074	0.28013492	0.19439934	0.29822577	0.02056763	
ENSG00000256336	17	4207451	4209518	HSP68A	processed_pseudogene	0.01120008	0.92268294	0.17496901	0.24897768	0.12489743	0.14114011	0.19289473	0.38116204	-0.10192631	0.99703370	0.28090181	0.19432941	0.09454956	0.42041451	
ENSG00000163017	17	7389214	73919885	ACTG2	protein_coding	-0.18372802	0.10971132	-0.04302425	0.21675488	0.14833307	0.141273584	-0.08099922	0.67830514	-0.17634070	0.20210396	0.28079276	0.19434844	0.21345844	0.10163374	
ENSG00000287814	17	17247824	17258484	AD011407.1	lncRNA	0.19105912	0.86986538	0.21400776	0.12230540	0.12771824	0.52629269	0.01012834	0.90011434	-0.16855058	0.22929274	0.28071922	0.19437873	0.04711497	0.74545498	
ENSG00000230709	17	7149895	71007784	ZKSCAN5-AS1	lncRNA	0.07698989	0.51192714	0.02744569	0.48891492	0.18671292	0.30278678	-0.10330101	0.40098414	0.02779201	0.67191426	0.28073968	0.19434844	0.16193735	0.26583001	
ENSG00000254367	17	66143634	66154381	AC012839.4	processed_pseudogene	0.13608114	0.123790504	0.13287391	0.63831110	0.04602804	0.31328028	0.16428589	0.38859400	0.02014372	0.14433388	0.28071922	0.19434844	0.16193735	0.26583001	
ENSG00000099599	17	30215953	30220008	MAGE2	protein_coding	-0.02763384	0.18144953	-0.02872618	0.51259204	-0.20795452	0.29725759	-0.16396396	0.41466855	-0.12683831	0.11101079	0.28046434	0.19459272	0.03279256	0.74011891	
ENSG00000186982	17	10492383	10492383	AC012839.1	processed_pseudogene	0.13608114	0.123790504	0.13287391	0.63831110	0.04602804	0.31328028	0.16428589	0.38859400	0.02014372	0.14433388	0.28071922	0.19434844	0.16193735	0.26583001	
ENSG00000234367	17	58996734	59009383	OACYE1	transcribed_unit	-0.21831242	0.05881444	-0.10691121	0.48508266	-0.12696463	0.41818589	-0.08427236	0.24056205	-0.34016471	0.00601952	0.28091925	0.19271023	0.12906633	0.31172244	
ENSG00000184601	17	10459794	10459915	CTCF	protein_coding	-0.14852114	0.20562993	-0.0219175	0.44746577	-0.38395460	0.04084843	-0.21253383	0.20267228	-0.34814935	0.00979119	0.28082626	0.19448874	0.20267228	0.01342640	0.01342640
ENSG00000244718	17	22826288	22826288	IGLV2-5	lncRNA	0.04544544	0.68219518	0.03766400	0.79510250	0.18071099	0.36704241	0.06560219	0.74510570	-0.04849788	0.99719201	0.19434844	0.16193735	0.26583001	0.01342640	0.01342640
ENSG00000275196	17	22826288	22826288	IGLV2-5	lncRNA	0.04544544	0.68219518	0.03766400	0.79510250	0.18071099	0.36704241	0.06560219	0.74510570	-0.04849788	0.99719201	0.19434844	0.16193735	0.26583001	0.01342640	0.01342640
ENSG00000172900	17	71326001	71324232	ACT1P	transcribed_unit	-0.14862057	0.09886207	-0.14961462	0.43291688	-0.14721783	0.16617950	-0.05244447	0.88982624	-0.28778289	0.02918949	0.28042524	0.19436881	0.24602221	0.08252364	
ENSG00000205791	17	10778294	10778294	ACT1P	transcribed_unit	-0.14862057	0.09886207	-0.14961462	0.43291688	-0.14721783	0.16617950	-0.05244447	0.88982624	-0.28778289	0.02918949	0.28042524	0.19436881	0.24602221	0.08252364	
ENSG00000098335	17	34977839	34983831	ZNF302	protein_coding	0.21015884	0.066575681	0.14520009	0.10143677	0.24261136	0.01219192	-0.14875802	0.70885191	-0.43581284	0.28114850	0.28040038	0.19436881	0.24602221	0.08252364	
ENSG00000268167	17	44300845	44308301	LYAL	protein_coding	-0.13442510	0.24378314	-0.05814618	0.58625570	-0.30398897	0.11179300	-0.19714674	0.32426022	-0.30417911	0.02633717	0.28053137	0.19505135	0.104062163	0.48773723	
ENSG00000178386	17	10498320	10498320	AC010933.1	lncRNA	-0.08678317	0.5524248	-0.13649844	0.28685150	0.00780791	0.91878542	-0.10414603	0.45587247	-0.04384587	0.28053137	0.19505135	0.104062163	0.48773723		
ENSG00000199445	17	15187086	15199637	THEM4	protein_coding	0.067285														

Table with 12 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature, RefSeq ID, Gene Name, Feature, RefSeq ID, Gene Name, Feature. Contains genomic coordinates and gene annotations for various genes like UHRF2, PRR11, PRR12, etc.

ENSG00000164109	4	12005623	12006898	MAD2L1	protein coding	-0.024475155	0.8326301	0.004414109	0.514283704	-0.37205557	0.052427375	-0.25642894	0.196279127	-0.34344817	0.011002366	0.260337828	0.23024266	0.083531077	0.864116414
ENSG00000192959	3	7444678	7444678	PPP1R1B	transcribed unprocessed intron	-0.05698705	0.62307353	-0.19587714	0.45956748	0.03260074	0.846613381	-0.26033381	-0.7010638	-0.16572505	0.02598186	0.260337828	0.23024266	0.083531077	0.864116414
ENSG00000227139	3	31445020	31445024	THSD4	protein coding	-0.0144239	0.9823493	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG00000077585	1	23614205	23621861	GPIIIBP7	protein coding	-0.17847844	0.10217421	0.19521234	0.17248730	0.02304862	0.707788705	-0.25898203	0.19048799	-0.25898203	0.05981694	0.26017025	0.23053367	0.126049776	0.383074258
ENSG00000178622	1	42611467	42611467	HTI	protein coding	-0.08618187	0.80728122	-0.02782122	0.14712102	0.15863705	0.00050027	-0.00050027	0.07652662	-0.16295135	0.001666682	0.26017025	0.23053367	0.126049776	0.383074258
ENSG00000174743	1	16279753	16279753	PCNA	transcribed unprocessed intron	-0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSG00000231018	8	112713	113754	LINC01389	transcribed unprocessed intron	-0.134240418	0.24448138	0.011316069	0.87378121	-0.13374783	0.506011307	-0.06422098	0.750304268	-0.16550586	0.273861193	0.26017025	0.23053367	0.126049776	0.383074258
ENSG0000025210	1	1555651	15560133	L121692.3	transcribed unprocessed intron	-0.01585278	0.94204004	0.2598485	0.06891739	0.06826300	0.66699914	0.25234721	0.28941587	-0.01739695	0.02707525	0.26017025	0.23053367	0.126049776	0.383074258
ENSG00000209992	1	12336912	12333318	PCNA	transcribed unprocessed intron	-0.04481483	0.69874402	-0.02029712	0.18279335	0.04474765	0.81373041	-0.16771777	0.45596218	-0.07717956	0.6885357	0.25981367	0.23053367	0.126049776	0.383074258
ENSG00000151997	10	4677421	4677421	ALX1F3.1	transcribed unprocessed intron	-0.13787651	0.23280051	0.09272505	0.54889252	-0.13311299	0.54254268	-0.26718907	0.13215258	-0.34728904	0.009599419	0.26036087	0.23062449	0.08505293	0.82027670
ENSG00000198980	14	3639828	3640072	LINC01268	transcribed unprocessed intron	-0.11972927	0.28989569	0.12543740	0.3894339	0.13719495	0.60403403	-0.03528626	0.78949133	0.12742984	0.35846113	0.26011089	0.23062449	0.08505293	0.82027670
ENSG00000208904	19	491745	491745	AC05253.2	transcribed unprocessed intron	-0.00524448	0.97678989	0.10020071	0.48871863	0.02870566	0.19383938	-0.03689891	0.76434368	-0.02689264	0.61989379	0.25981367	0.23062449	0.08505293	0.82027670
ENSG00000100629	14	80409829	80395517	CEP128	protein coding	0.140548725	0.222764939	0.004009118	0.76383992	0.044882238	0.00734312	-0.22798428	0.25290345	0.02688148	0.83118636	0.25290345	0.23062449	0.08505293	0.82027670
ENSG00000226384	2	704529	707195	AC058841.1	transcribed unprocessed intron	-0.17245641	0.1186550	0.12629592	0.4033373	0.14349488	0.41791574	-0.26281249	0.25146281	-0.16975759	0.22247407	0.23062449	0.08505293	0.82027670	
ENSG00000134901	13	10274943	10274943	POLG1L7	protein coding	-0.12417708	0.29192811	0.14616281	0.11113907	-0.2317378	0.24474112	0.10248769	0.61897637	-0.17789774	0.19820934	0.25979166	0.23134351	0.20474698	0.15371704
ENSG00000205758	21	3358341	3364326	CRYZL1	protein coding	-0.00432865	0.96975301	0.10724651	0.50858335	0.2812779	0.18655416	-0.12078699	0.54583481	-0.11758604	0.22048707	0.25979166	0.23134351	0.20474698	0.15371704
ENSG00000174528	18	52017187	52018032	ENSG007670.2	transcribed unprocessed intron	-0.17938131	0.11811462	0.03420114	0.18332810	-0.17122606	0.79520001	-0.07441617	0.71220758	-0.1030834	0.11102616	0.25972976	0.23133799	0.19066839	0.84126784
ENSG00000107443	15	4603334	4606087	ENSG007670.2	transcribed unprocessed intron	-0.07144447	0.84909014	0.21118103	0.1037957	0.020415393	0.70770973	-0.02407869	0.30724317	-0.01108738	0.93657173	0.25989114	0.23144796	0.20522929	0.71664794
ENSG00000105849	7	15905161	15905161	POLR1F	protein coding	-0.18381922	0.14684811	0.154664392	0.25081187	0.12444442	0.21155452	0.03898083	0.85426491	0.138551587	0.17327003	0.26017025	0.23062449	0.08505293	0.82027670
ENSG00000286742	7	6264786	6269708	AC020065.1	transcribed unprocessed intron	-0.05892621	0.611031474	0.19593994	0.17265449	0.00984848	0.64013385	-0.16483403	0.41187058	0.03139937	0.82172685	0.25948457	0.23152844	0.20241156	0.858692335
ENSG00000272523	5	19717275	19717275	LINC01192	transcribed unprocessed intron	-0.04481483	0.69874402	-0.02029712	0.18279335	0.04474765	0.81373041	-0.16771777	0.45596218	-0.07717956	0.6885357	0.25981367	0.23062449	0.08505293	0.82027670
ENSG00000229863	20	50813171	50114411	PSMD19P3	transcribed unprocessed intron	-0.1464666	0.35674933	0.20090889	0.15101904	0.13033313	0.5083735	0.06666794	0.77890403	-0.05845893	0.54372948	0.25972538	0.23152844	0.20241156	0.858692335
ENSG00000111420	12	13078900	13082898	SPIN2	protein coding	0.15331387	0.18393974	0.33375292	0.01789289	0.2884382	0.19358451	0.34233827	0.08047871	0.06505956	0.63791871	0.2584283	0.23152844	0.20241156	0.858692335
ENSG00000248127	5	7691846	7691846	AC020774.1	transcribed unprocessed intron	-0.03819304	0.74162495	0.03010118	0.80877975	0.03889436	0.44724948	-0.28971456	0.23487048	-0.0172273	0.14333224	0.25911833	0.23152844	0.20241156	0.858692335
ENSG00000166453	1	1358345	13617957	FOXP2	protein coding	-0.23079908	0.03598748	0.04478122	0.75747228	-0.0505887	0.80211959	-0.17008471	0.38631601	-0.2421988	0.67914718	0.25841163	0.23152844	0.20241156	0.858692335
ENSG00000186328	3	12024259	12034838	LINC8	protein coding	-0.04002397	0.72954168	0.13288982	0.38752349	0.02407308	0.84011702	-0.18920263	0.32711838	-0.20381781	0.07833541	0.25937873	0.23152844	0.20241156	0.858692335
ENSG00000213989	2	2002726	2003034	RIP1	transcribed unprocessed intron	-0.1824691	0.478267	0.21093448	0.14203141	0.09808869	0.616612	-0.11117486	0.6185908	0.08502601	0.3181496	0.25929073	0.23059593	0.162248933	0.7196148
ENSG00000197581	9	4128916	4127389	L121692.3	transcribed unprocessed intron	-0.01742784	0.8841594	0.1839881	0.38567634	0.02800378	0.51162881	-0.0837368	0.64203326	-0.0870171	0.61851013	0.25822428	0.23062449	0.08505293	0.82027670
ENSG00000288683	12	5329424	5330714	AC073161.1	transcribed unprocessed intron	-0.17843921	0.12045781	0.01359592	0.92923122	-0.34397201	0.17489424	-0.11448275	0.1174951	-0.38125256	0.00445028	0.25912935	0.23137097	0.11007881	0.42328871
ENSG00000279087	10	1633849	1633849	AC073161.1	transcribed unprocessed intron	-0.17843921	0.12045781	0.01359592	0.92923122	-0.34397201	0.17489424	-0.11448275	0.1174951	-0.38125256	0.00445028	0.25912935	0.23137097	0.11007881	0.42328871
ENSG00000290005	10	2889996	2889996	ENSG011993	transcribed unprocessed intron	-0.39575904	0.01103167	0.01433804	0.91216222	0.78826058	0.078426	-0.178384706	0.73181274	0.38686790	0.00733826	0.25914624	0.23059593	0.59709107	4.7E-05
ENSG00000162437	1	64745096	6483532	RAVE1B	protein coding	0.11224104	0.31118119	0.05877143	0.88517342	0.25401162	0.21096748	-0.27955808	0.164018417	-0.079721748	0.56681769	0.25912421	0.23059593	0.59709107	0.42328871
ENSG00000249114	1	14620394	14620394	AC073161.1	transcribed unprocessed intron	-0.17843921	0.12045781	0.01359592	0.92923122	-0.34397201	0.17489424	-0.11448275	0.1174951	-0.38125256	0.00445028	0.25912935	0.23137097	0.11007881	0.42328871
ENSG00000279878	11	6152670	6152662	AC09108.5	transcribed unprocessed intron	-0.15873529	0.16788193	0.07498251	0.90260802	-0.25236304	0.20415383	-0.08279871	0.7556607	-0.24520020	0.37107606	0.25930235	0.23062449	0.08505293	0.82027670
ENSG00000250550	8	14337430	14337379	AC07303.4	transcribed unprocessed intron	-0.10114146	0.72059681	0.06692276	0.36936341	-0.10300423	0.60189977	-0.12712274	0.82747878	-0.07363977	0.547526309	0.25891027	0.23062449	0.08505293	0.82027670
ENSG00000141453	10	10200000	10200000	AC07303.4	transcribed unprocessed intron	-0.10114146	0.72059681	0.06692276	0.36936341	-0.10300423	0.60189977	-0.12712274	0.82747878	-0.07363977	0.547526309	0.25891027	0.23062449	0.08505293	0.82027670
ENSG00000197854	10	1224688	1224688	ZNF44	protein coding	0.04142087	0.17055811	0.08711997	0.52474332	0.02474236	0.27426276	-0.04645281	0.84741104	0.25891027	0.23062449	0.08505293	0.82027670	0.383074258	0.15371704
ENSG00000156887	8	35235475	35278500	LINC50	transcribed unprocessed intron	-0.11461013	0.32094233	0.09535739	0.88433891	0.00400724	0.74774174	-0.04262925	0.78804518	-0.14755921	0.28653748	0.25977168	0.23278597	0.12471885	0.38113637
ENSG00000204030	7	10278299	10278299	VARS4	protein coding	-0.12638722	0.263611518	0.08199198	0.57837652	0.14612005	0.46092932	-0.13962457	0.48729438	-0.2841291	0.09585427	0.25890823	0.23062449	0.08505293	0.82027670
ENSG00000164844	8	9448789	9453329	ENSG007670.2	transcribed unprocessed intron	-0.21304455	0.05980454	0.2762379	0.92104334	-0.09757609	0.62853318	0.24833932	0.19955122	0.122886					

Table with 10 columns: Gene ID, Chromosome, Start, End, Strand, Gene Name, Feature, Start, End, Strand, Gene Name. Contains a comprehensive list of gene annotations with coordinates and names.

Table with columns for gene ID, gene name, gene type, and coordinates. The table lists numerous genes such as HPC4L4, NCF3, NCF3, NCF3, NCF3, etc., with their corresponding genomic coordinates and gene types (e.g., protein coding, lincRNA, miRNA, etc.).

ENSG0000027287	20	323705	324532	AL109976.1	lncRNA	-0.10889717	0.34581028	0.02960125	0.83834950	0.05399354	0.78910118	-0.14097608	0.48337603	-0.1480123	0.28547022	0.23868742	0.70208597	-0.08557729	0.55483820		
ENSG0000018108	17	9133774	9134031	AC045452	lncRNA	0.00663309	0.04722959	0.00919607	0.68727200	0.01732336	0.99230303	-0.27278731	0.13853770	-0.0438572	0.26747202	0.23864227	0.27031297	0.00000000	0.00000000	0.37053431	
ENSG0000022580	10	3644900	3649100	AC045452	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000019544	17	8180432	8184400	AC045452	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000019293	17	8691553	8691553	AC045452	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000014804	9	12336170	12338034	CCR	protein coding	-0.2776605	0.01442291	-0.09994338	0.48888128	-0.37030366	0.50102091	-0.40382765	0.00327278	-0.48582765	0.00115384	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000016405	3	4815748	4818814	CD2A	protein coding	0.20653951	0.07151607	0.14208769	0.42496447	-0.43070187	0.60715033	0.04243345	0.04653956	-0.51397816	0.00007073	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000020878	17	32097890	32097890	CEP350	protein coding	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187
ENSG0000022005	17	8159449	8163546	VAMP2	protein coding	0.030414724	0.7890101	0.19806444	0.06775992	0.25239314	0.18463979	0.11961904	0.05521655	-0.09383178	0.00007380	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000017230	17	7301419	7301419	AC020441	lncRNA	0.19673477	0.17426293	0.08627938	0.48724213	-0.30421984	0.59773988	-0.02144961	0.81684178	0.08627938	0.08627938	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000011186	12	1292891	1292891	WNT5B	protein coding	-0.18045893	0.11548472	0.09654603	0.65322918	-0.10310246	0.11548472	-0.20959416	0.30043631	-0.37429217	0.00004389	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000022391	2	24806115	24806972	AC10489.1	lncRNA	-0.24307317	0.03692488	0.07122461	0.61675424	0.28110548	0.15466213	0.05076898	0.80136208	-0.28663215	0.01299784	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000015193	17	863877	874768	TME6B	protein coding	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107
ENSG0000020730	2	10562146	10563637	AC01892.2	lncRNA	-0.13767680	0.23246505	0.06122446	0.67775843	0.19844446	0.07785893	0.19844446	0.07785893	0.19844446	0.07785893	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000023435	3	3120522	3120523	RP504P1.1	transcribed processed	0.05270003	0.04698494	0.00709512	0.80069602	0.27819933	0.18609914	-0.24574848	0.13412028	-0.02472436	0.50013508	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000025308	17	2718693	2718693	AC04080.2	lncRNA	-0.03904403	0.74707039	0.13422564	0.51984631	0.19614833	0.10234515	-0.14690371	0.46468974	-0.24697073	0.07296786	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000022494	4	45150774	45160175	RP524P8	transcribed processed	0.37168858	0.00937437	0.02836356	0.80656052	0.62780743	0.00196529	-0.00625288	0.63279118	0.39570424	0.03055497	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000019949	11	58204	58240	RXCF1	protein coding	-0.04503739	0.69174441	0.20013208	0.19346700	0.30399383	0.48862158	0.15001360	0.43639359	-0.07869218	0.04687628	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000017254	7	902657	918987	AC04482.2	lncRNA	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217	0.04655217
ENSG0000018937	11	4242878	4244248	RXCF17	protein coding	-0.10911848	0.34485278	-0.00000455	0.86997844	0.03823748	0.87181505	-0.27885785	0.15741836	-0.20137449	0.14684768	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000022886	1	2102728	2112078	PRELHP1	transcribed processed	-0.03692023	0.74887868	-0.03033927	0.79141389	0.13667711	0.48998884	-0.24572003	0.21689331	-0.15500049	0.02037728	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000017432	17	3392627	3392627	CAS1	protein coding	-0.18913891	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121	0.09251121
ENSG0000022982	8	6202682	6053561	AC06338.1	lncRNA	-0.12537628	0.27738628	0.12764326	0.33703810	0.10667514	0.80014478	-0.18031837	0.42440003	-0.22193071	0.02677891	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000020812	3	3239588	3222578	AC07839.1	lncRNA	0.01764333	0.87895854	0.15495922	0.1757938	0.03344710	0.88028294	0.36045584	0.07307716	0.13388878	0.3349167	0.23696901	0.27089844	0.22057099	0.12372626	0.03362044	
ENSG0000027287	20	323705	324532	AL109976.1	lncRNA	-0.10889717	0.34581028	0.02960125	0.83834950	0.05399354	0.78910118	-0.14097608	0.48337603	-0.1480123	0.28547022	0.23868742	0.70208597	-0.08557729	0.55483820		
ENSG0000018108	17	9133774	9134031	AC045452	lncRNA	0.00663309	0.04722959	0.00919607	0.68727200	0.01732336	0.99230303	-0.27278731	0.13853770	-0.0438572	0.26747202	0.23864227	0.27031297	0.00000000	0.00000000	0.37053431	
ENSG0000022580	10	3644900	3649100	AC045452	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000019544	17	8180432	8184400	AC045452	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000019293	17	8691553	8691553	AC045452	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000014804	9	12336170	12338034	CCR	protein coding	-0.2776605	0.01442291	-0.09994338	0.48888128	-0.37030366	0.50102091	-0.40382765	0.00327278	-0.48582765	0.00115384	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000016405	3	4815748	4818814	CD2A	protein coding	0.20653951	0.07151607	0.14208769	0.42496447	-0.43070187	0.60715033	0.04243345	0.04653956	-0.51397816	0.00007073	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000020878	17	32097890	32097890	CEP350	protein coding	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187	0.00623187
ENSG0000022005	17	8159449	8163546	VAMP2	protein coding	0.030414724	0.7890101	0.19806444	0.06775992	0.25239314	0.18463979	0.11961904	0.05521655	-0.09383178	0.00007380	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000017230	17	7301419	7301419	AC020441	lncRNA	0.19673477	0.17426293	0.08627938	0.48724213	-0.30421984	0.59773988	-0.02144961	0.81684178	0.08627938	0.08627938	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000011186	12	1292891	1292891	WNT5B	protein coding	-0.18045893	0.11548472	0.09654603	0.65322918	-0.10310246	0.11548472	-0.20959416	0.30043631	-0.37429217	0.00004389	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000022391	2	24806115	24806972	AC10489.1	lncRNA	-0.24307317	0.03692488	0.07122461	0.61675424	0.28110548	0.15466213	0.05076898	0.80136208	-0.28663215	0.01299784	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000015193	17	863877	874768	TME6B	protein coding	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107	0.05209107
ENSG0000020730	2	10562146	10563637	AC01892.2	lncRNA	-0.13767680	0.23246505	0.06122446	0.67775843	0.19844446	0.07785893	0.19844446	0.07785893	0.19844446	0.07785893	0.29718082	0.07059337	0.22718275	0.01148671	0.12443641	
ENSG0000023435	3	312																			

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and coordinates. The table lists numerous genes such as RTN3, RTN3-AS1, RTN3-AS2, etc., with their respective genomic locations and transcript details.

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Type, RefSeq Category, RefSeq Class, RefSeq Subclass, RefSeq Source, RefSeq Date, RefSeq Version, RefSeq Accession, RefSeq URL, RefSeq Comment, RefSeq History, RefSeq Status, RefSeq Notes, RefSeq Links, RefSeq Images, RefSeq Downloads, RefSeq Annotations, RefSeq Metadata, RefSeq Statistics, RefSeq Summary, RefSeq Details, RefSeq Tables, RefSeq Figures, RefSeq Videos, RefSeq Audio, RefSeq Other.

ENSG0000000695	9	33249479	33262071	CHMP5	protein coding	0.14256888	0.21602371	0.14242827	0.32358923	0.39306252	0.04263628	-0.2499866	0.20857672	0.20194411	0.14298808	0.22124007	0.29951440	0.42000265	0.00238310		
ENSG0000000781	11	67112357	67173937	ADAMTS-1	processed pseudogene	-0.29943718	0.04672177	0.04672177	0.04672177	0.15451737	0.15061405	-0.1684116	0.46452533	-0.36985551	0.09891169	0.22608236	0.29955572	0.29955572	0.29955572	0.29955572	
ENSG0000000471	17	37641254	37641254	AP3D2	protein coding	0.03929746	0.78944474	-0.00064499	0.98512047	0.04707837	0.80581021	-0.12945210	0.51588810	-0.37311202	0.59271825	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	
ENSG0000002581	14	10036628	10036628	LA157713	processed pseudogene	-0.00064499	0.98512047	-0.00064499	0.98512047	0.04707837	0.80581021	-0.12945210	0.51588810	-0.37311202	0.59271825	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	
ENSG0000001922	4	5160307	5160307	MDM2	protein coding	0.07420712	0.52128343	0.16339477	0.25896429	0.16339477	0.25896429	-0.04423641	0.82649138	-0.20002323	0.14702313	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	
ENSG0000002407	34	34535524	34535524	PACST4	protein coding	0.07420712	0.52128343	0.16339477	0.25896429	0.16339477	0.25896429	-0.04423641	0.82649138	-0.20002323	0.14702313	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	
ENSG00000014523	4	4078284	4078284	DISP2	protein coding	0.14724258	0.2007598	0.04701622	0.62701818	0.24841461	0.23876812	-0.02238121	0.81197843	-0.26810225	0.13485294	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000022605	10	159788	159788	hcrnA	protein coding	-0.17150338	0.33688451	0.03555147	0.40423461	-0.16211022	0.41899951	-0.06252325	0.88227595	-0.28490001	0.03120876	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000026994	21	459398	459398	hcrnA	protein coding	-0.22918908	0.16510353	0.16510353	0.16510353	0.16510353	0.16510353	-0.04423641	0.82649138	-0.20002323	0.14702313	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000013686	10	7318114	7318114	FAM1891A	protein coding	0.137401267	0.23496153	0.039551201	0.49884262	0.137401267	0.23496153	-0.03907956	0.86465451	-0.07760373	0.57476953	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000027139	17	4819427	4819427	MIR303	miRNA	-0.04284517	0.81349674	0.01175495	0.98512047	-0.10319193	0.60813538	-0.16203803	0.81212918	-0.137401267	0.23496153	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000016478	13	4992032	4992032	MIR318	miRNA	-0.15811441	0.16810353	0.16810353	0.16810353	0.16810353	0.16810353	-0.04423641	0.82649138	-0.20002323	0.14702313	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000014524	4	988887	988887	MGK3	protein coding	0.007375938	0.94539622	0.22988445	0.11955783	0.10346913	0.84687783	0.07488212	0.21269507	0.28986152	0.02629303	0.65111234	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000016453	8	8901349	8901349	OSGYP	protein coding	0.00343549	0.96373292	-0.10233635	0.48857233	0.08017702	0.76330488	-0.08686756	0.17541207	-0.05172639	0.12689168	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000025954	17	3642618	3642618	TSC10F	protein coding	-0.03817707	0.44573931	0.02489578	0.88741923	0.02762763	0.71681168	-0.27421433	0.15897828	-0.1739581	0.18436407	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000025737	12	5727261	5727261	ADAP1-AS1	protein coding	0.00954404	0.93804294	0.2582841	0.11554273	0.07173121	0.61923258	0.14418316	0.43705933	-0.00069267	0.95995889	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000020482	30	30115213	30115213	SNORD33A	snoRNA	0.00023447	0.99989888	-0.10476569	0.47115011	0.04445180	0.74943443	-0.27337861	0.16768308	-0.14429635	0.29781454	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000022176	6	3402451	3402451	RPL32P1	processed pseudogene	-0.00064499	0.98512047	-0.00064499	0.98512047	0.04707837	0.80581021	-0.12945210	0.51588810	-0.37311202	0.59271825	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000012707	4	13945322	139478609	RNAB38	protein coding	-0.19045632	0.35732881	-0.10476569	0.47115011	0.04445180	0.74943443	-0.27337861	0.16768308	-0.14429635	0.29781454	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000014078	18	4808108	4818910	ABC-12	protein coding	-0.27387408	0.01989227	-0.04471512	0.78447860	0.02664919	0.62681247	-0.24484874	0.21519014	-0.32342895	0.01708226	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000017814	19	1225498	12277595	COXA	protein coding	-0.22918908	0.16510353	0.16510353	0.16510353	0.16510353	0.16510353	-0.04423641	0.82649138	-0.20002323	0.14702313	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG000000136518	3	17956288	17958487	ACTL8A	protein coding	0.11661838	0.13247816	0.13381169	0.35785117	0.02696175	0.23003454	-0.01106416	0.93446894	0.02863801	0.18350131	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000023432	7	5426277	5428927	AC092171.3	protein coding	-0.05515895	0.96453708	0.03003389	0.8039881	0.04782078	0.61279358	-0.04702426	0.81978903	-0.0118484	0.3419963	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000013424	12	4653818	46377123	SLC9A2	protein coding	-0.17249454	0.13345034	0.10611581	0.43208383	0.01259878	0.10259892	-0.2699178	0.17422833	-0.26511888	0.02526827	0.30400703	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000027729	18	9912316	9912480	MIR62	miRNA	-0.06819207	0.55562845	0.08277933	0.83584148	0.04307885	0.81454793	-0.16023119	0.24773211	0.14305798	-0.00224122	0.25686284	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000024156	2	9004797	9005952	IGFBP-2A	IGF V gene	0.12347052	0.28898784	0.32381320	0.07197188	-0.1882235	0.40105894	0.48621278	0.10780777	0.126381079	0.36248749	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000034773	12	1218915	12237764	AC012918.3	transcribed unprocessed pseudogene	-0.13889324	0.22892287	0.04892027	0.44680293	0.04249320	0.92335767	-0.18182423	0.10410087	-0.24362895	0.07894716	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000017406	11	21292182	21301587	ANGEL2	protein coding	0.33584177	0.00281633	0.36795941	0.00778826	0.24662334	0.02647801	0.47341181	0.01282440	0.3688812	0.30071789	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000015112	2	12121857	12128202	TPP1C1	protein coding	-0.02822887	0.97143347	0.05927861	0.8909787	0.18807057	0.43594688	-0.16977068	0.30722811	-0.17026338	0.12835412	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000009103	4	5000000	5000000	SLF102.2	processed pseudogene	-0.14727212	0.19571706	0.1853131	0.3870941	0.05842041	0.74471320	-0.08671898	0.13092822	-0.0989045	0.3525336	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000024960	4	15058145	15058145	AC110813.1	protein coding	-0.12455248	0.27664459	0.05982778	0.51674288	0.28919868	0.19703345	-0.08363318	0.73582704	-0.22498184	0.30088184	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000020469	9	72051376	7207271	C1orf97	protein coding	-0.19739608	0.08478197	-0.11067440	0.44447471	0.10199123	0.94351561	-0.25920251	0.19198247	-0.24489383	0.10268485	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000025124	11	3474451	3474451	hcrnA	protein coding	-0.14727212	0.19571706	0.1853131	0.3870941	0.05842041	0.74471320	-0.08671898	0.13092822	-0.0989045	0.3525336	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000028108	20	2107800	2109911	hcrnA	protein coding	-0.04649272	0.68059243	0.11897825	0.8946454	0.01158008	0.96456232	-0.15521484	0.34848066	-0.13131214	0.03426688	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000012647	19	49737373	49737336	MIR52	miRNA	-0.18292468	0.11130149	-0.01052946	0.51466707	0.07494345	0.72301202	-0.16833030	0.40705378	-0.21207020	0.10422762	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000018921	11	17874474	17874474	TRAF8	protein coding	0.1853131	0.09275957	0.09275957	0.09275957	0.09275957	0.09275957	-0.04423641	0.82649138	-0.20002323	0.14702313	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236	0.22608236
ENSG00000019779	11	6889176	6890338	MIR51	miRNA	-0.05515895	0.96453708	0.03003389	0.8039881	0.04782078	0.61279358	-0.04702426	0.81978903	-0.0118484	0.3419963	0.22608236	0.22608236	0			

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, Start, End, Strand, Feature. Contains genomic coordinates and gene annotations for various genes including AC023343, AC023344, AC023345, etc.

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description. Contains genomic coordinates and gene annotations for various genes including LINC02354, LINC02355, LINC02356, etc.

ENSG00000211093	X	145623218	145623274	AL381756.1	processed_pseudogene	-0.150268416	0.102700909	-0.02066844	0.886792960	-0.267719008	0.176990003	-0.18261828	0.335727638	-0.243305851	0.072925699	0.205031140	0.339713286	-0.139530903	0.333828272
ENSG00000211094	15	65117280	65117280	LOC101928	transcript	-0.01713858	0.8668880	-0.1558961	0.2921791	-0.07076114	0.772730273	-0.14071561	0.48346989	-0.04715655	0.73406463	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211095	17	85000000	85000000	LOC101928	transcript	-0.04031790	0.94987273	-0.04987273	0.94987273	-0.04031790	0.94987273	-0.04031790	0.94987273	-0.04031790	0.94987273	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211096	17	7309282	7309282	ENSO508B.1	ncRNA	-0.12947588	0.26547074	-0.0213009	0.8028720	-0.02387842	0.32988654	-0.12781207	0.54480360	-0.21278613	0.11442248	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211097	20	5052039	5052039	LOC101928	transcript	-0.05991788	0.60426139	-0.05991788	0.60426139	-0.05991788	0.60426139	-0.05991788	0.60426139	-0.05991788	0.60426139	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211098	15	4457286	4457286	NRN1A.1	lincRNA	-0.147891423	0.192982747	-0.07345147	0.6409126	-0.02958497	0.68922208	-0.19102705	0.19447121	-0.19102705	0.19447121	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211099	17	3819380	3819380	LINC01948	transcript	-0.147891423	0.192982747	-0.07345147	0.6409126	-0.02958497	0.68922208	-0.19102705	0.19447121	-0.19102705	0.19447121	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211100	15	6141655	6141655	AL389676.1	ncRNA	-0.08651533	0.43439651	-0.04199429	0.77220136	-0.00811759	0.8975905	-0.27051876	0.1723352	-0.00811759	0.8975905	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211101	15	8855596	8855596	LOC101928	transcript	-0.09108365	0.53733369	-0.09108365	0.53733369	-0.09108365	0.53733369	-0.09108365	0.53733369	-0.09108365	0.53733369	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211102	17	6555288	6555288	REMP25	processed_pseudogene	-0.09108365	0.53733369	-0.09108365	0.53733369	-0.09108365	0.53733369	-0.09108365	0.53733369	-0.09108365	0.53733369	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211103	15	9652738	9652738	HSPH92P	processed_pseudogene	-0.11124930	0.33844173	-0.08194108	0.67158847	-0.01545894	0.9619888	-0.04542626	0.65422204	-0.12863256	0.37220501	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211104	17	3601833	3601833	MM1	processed_pseudogene	-0.03084918	0.48479704	-0.03084918	0.48479704	-0.03084918	0.48479704	-0.03084918	0.48479704	-0.03084918	0.48479704	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211105	12	12713005	12727706	ENSO948.3	ncRNA	-0.024610452	0.831751502	-0.024610452	0.831751502	-0.024610452	0.831751502	-0.024610452	0.831751502	-0.024610452	0.831751502	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211106	17	8721158	8721158	CGZ2	processed_pseudogene	-0.29220584	0.008917269	-0.13918501	0.40791381	-0.18134134	0.38789792	-0.17101818	0.10730376	-0.06911848	0.00704524	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211107	4	1630748	16308174	ENSO447.1	processed_pseudogene	-0.19520437	0.009182921	-0.00710713	0.98903043	-0.19274831	0.53189465	-0.13562481	0.44998847	-0.22846589	0.10399127	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211108	19	4231194	42395530	PSG3	processed_pseudogene	-0.29055543	0.01029247	-0.05461262	0.76032375	-0.15125713	0.33857201	-0.23130746	0.24569752	-0.08751481	0.00704524	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211109	2	61085871	61180343	KIAA181	ncRNA	-0.05158957	0.59733084	-0.14375830	0.3196822	-0.04489340	0.84811736	-0.12261760	0.54212481	-0.05271301	0.04861869	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211110	15	3179118	3179258	H3.5	processed_pseudogene	-0.02500107	0.17613071	-0.07464379	0.60647493	-0.05990923	0.76764649	-0.11771190	0.10629629	-0.14192700	0.30734764	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211111	8	7328402	7328251	RDA19	processed_pseudogene	-0.013714917	0.905767838	-0.12588334	0.43508422	-0.007170504	0.97162389	-0.065841545	0.77388518	-0.15190772	0.30162583	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211112	2	17071357	17071807	SPS	processed_pseudogene	-0.14084342	0.19675443	-0.00671707	0.8363922	-0.22667269	0.25664897	-0.22098263	0.26898955	-0.25013893	0.0811458	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211113	17	1698832	16989177	LINC0290	ncRNA	-0.07868492	0.48996703	-0.12591837	0.38471954	-0.07166303	0.49111819	-0.15192201	0.24337044	-0.07749463	0.1410797	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211114	11	3380780	3381752	ENSO190	unprocessed_pseudogene	-0.14823544	0.19857423	-0.11902466	0.41083629	-0.06415768	0.83244015	-0.07571253	0.70741026	-0.18647377	0.18799691	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211115	8	8437196	8447151	RD548	processed_pseudogene	-0.00042338	0.98988479	-0.18323154	0.2077100	-0.18689958	0.40584713	-0.20710033	0.13228334	-0.06932626	0.18212258	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211116	19	1251018	1252380	ZNF71	processed_pseudogene	-0.13491173	0.24204414	-0.12145978	0.40071203	-0.02978319	0.1454207	-0.18714965	0.12555531	-0.11217415	0.14933364	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211117	7	4482519	4484731	ENSO438.2	ncRNA	-0.02837822	0.80472375	-0.06928979	0.8030208	-0.03189764	0.87842403	-0.00191283	0.92644428	-0.00042256	0.19786233	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211118	8	6111432	6111673	ENSO438.2	ncRNA	-0.09828767	0.3981373	-0.05175923	0.67122053	-0.22881724	0.26884443	-0.04252000	0.90344573	-0.12374623	0.37269474	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211119	19	9469269	94694701	MTNDP3	processed_pseudogene	-0.07111188	0.63041081	-0.14738762	0.30754615	-0.04834891	0.91843953	-0.10319631	0.81212266	-0.04702911	0.07200207	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211120	22	4633078	4633740	TRML1	processed_pseudogene	-0.20955588	0.00890273	-0.01529203	0.91367347	-0.10274107	0.68523821	-0.28863620	0.14281116	-0.33720545	0.10271642	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211121	8	14263073	14262104	ENSO547.1	ncRNA	-0.11477504	0.22363966	-0.07876426	0.57076210	-0.20688941	0.19801150	-0.05922801	0.76911765	-0.24933299	0.04906803	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211122	11	1090845	1090845	ENSO447.1	ncRNA	-0.07076114	0.22363966	-0.07876426	0.57076210	-0.20688941	0.19801150	-0.05922801	0.76911765	-0.24933299	0.04906803	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211123	11	2735467	2736961	MAP3B	processed_pseudogene	-0.27866112	0.15955808	-0.04197472	0.7274688	-0.12498481	0.2815343	-0.03204067	0.80463821	-0.113443129	0.10608261	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211124	17	717792	718324	ENSO552.2	processed_pseudogene	-0.07129209	0.50273193	-0.11333882	0.5927479	-0.20129024	0.13432988	-0.26261272	0.10739303	-0.09134511	0.15126761	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211125	7	3044049	3044049	ENSO552.2	processed_pseudogene	-0.07129209	0.50273193	-0.11333882	0.5927479	-0.20129024	0.13432988	-0.26261272	0.10739303	-0.09134511	0.15126761	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211126	6	3496917	3496917	AL14165.2	ncRNA	-0.14240044	0.12540233	-0.09020301	0.4494380	-0.18619266	0.32696952	-0.03271736	0.60734635	-0.20129114	0.14441176	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211127	16	2603174	2603180	ENSO552.2	processed_pseudogene	-0.08184927	0.48818602	-0.13836569	0.34791814	-0.02249710	0.8624332	-0.07502891	0.70985815	-0.13363604	0.33251503	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211128	19	9469269	94694701	LINC0290	ncRNA	-0.07868492	0.48996703	-0.12591837	0.38471954	-0.07166303	0.49111819	-0.15192201	0.24337044	-0.07749463	0.1410797	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211129	11	3807481	3814848	AD001527.1	ncRNA	-0.12187125	0.29164208	-0.02195789	0.8030208	-0.03266710	0.85263132	-0.0595168	0.58684174	-0.07278920	0.14226284	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211130	17	4123248	4123248	KTRP3.3	ncRNA	-0.20713453	0.027089161	-0.03349780	0.8181931	-0.22295035	0.25996907	-0.18992336	0.42949553	-0.27023161	0.04702911	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211131	19	1312848	1312848	ENSO558.1	ncRNA	-0.02548818	0.7653463	-0.04588112	0.7615441	-0.03563204	0.60895505	-0.24341490	0.19184609	-0.35542008	0.00406423	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211132	11	2122994	2123173	AL33091.3	ncRNA	-0.11584884	0.13754622	-0.04174869	0.93899707	-0.04381928	0.86247851	-0.09115572	0.65113248	-0.12300634	0.37584297	0.20464308	0.3067336	-0.07076114	0.60642164
ENSG00000211133	11																		

ENSG0000022428	218953401	218954050	KRTFP90	transcribed_pseudogene	-0.13621811	0.00363947	0.09578907	0.50814640	0.144928769	0.47076007	-0.01753899	0.83064537	-0.10724638	0.44017804	0.20425771	0.34920373	0.00522356	0.97168735	
ENSG0000022429	33359297	33359319	ITIH4	transcript	-0.06776424	0.06269284	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073	0.04948073
ENSG0000022430	87761474	87761474	PRKAP3	transcribed_pseudogene	-0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774	0.05219774
ENSG0000022431	1842244	1842244	RAM2A	transcript	-0.04002158	0.12034468	0.03038390	0.03593890	0.02522731	0.79568190	-0.16011038	0.44242503	-0.16011038	0.44242503	-0.16011038	0.44242503	-0.16011038	0.44242503	0.44242503
ENSG0000022432	12777111	12777111	ACTR19B	transcript	-0.02761921	0.26071790	0.24218104	0.06071270	0.30747268	0.15189818	0.24247729	0.22308723	-0.13195956	0.34124257	-0.24247729	0.22308723	-0.13195956	0.34124257	0.22308723
ENSG0000022433	56739374	56739374	MEK3	transcript	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598	0.09275598
ENSG0000022434	10228016	10228016	RAP80F4	transcript	-0.17598718	0.11813403	0.08595145	0.15362410	0.09573420	0.63077608	-0.15359540	0.04222693	-0.24043804	0.34990780	-0.15359540	0.04222693	-0.24043804	0.34990780	0.34990780
ENSG0000022435	9675490	9675490	ACOR6L5	transcript	-0.24172174	0.03461659	-0.04523136	0.7786518	0.28631669	0.14427274	-0.26511400	0.30137976	-0.26511400	0.30137976	-0.26511400	0.30137976	-0.26511400	0.30137976	0.30137976
ENSG0000022436	20914976	20914976	ALX3	transcript	-0.18320314	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149	0.06499149
ENSG0000022437	18401630	18401630	TEC	transcript	-0.02441762	0.03309199	0.01476284	0.03028834	0.00970269	0.63370172	-0.02854800	0.08722740	-0.02854800	0.08722740	-0.02854800	0.08722740	-0.02854800	0.08722740	0.08722740
ENSG0000022438	14709584	14709584	CNTN2B	transcript	-0.1612620	0.3827194	-0.11400799	0.04386222	0.22262974	0.54012153	-0.17586891	0.38262145	-0.17586891	0.38262145	-0.17586891	0.38262145	-0.17586891	0.38262145	0.38262145
ENSG0000022439	41781414	41781414	ALX2	transcript	-0.04687497	0.06871026	0.10818934	0.04417957	0.4895262	0.37028193	0.08944146	0.45718294	0.08944146	0.45718294	0.08944146	0.45718294	0.08944146	0.45718294	0.45718294
ENSG0000022440	457481	457481	LINC01646	transcript	-0.27088884	0.07744529	0.03981242	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790	0.13267790
ENSG0000022441	7250488	7250488	LOC104362	transcript	-0.02673353	0.08205244	0.13653148	0.03734248	0.08080121	0.16522258	0.16263360	0.1433899	-0.03077851	0.07374410	-0.03077851	0.07374410	-0.03077851	0.07374410	0.07374410
ENSG0000022442	2912989	2912989	ACOR6B1	transcript	-0.05209329	0.06038922	0.05949811	0.07313088	0.18296499	0.36276028	-0.1030077	0.09170128	-0.1006941	0.09047203	-0.1006941	0.09047203	-0.1006941	0.09047203	0.09047203
ENSG0000022443	16935567	16935567	6948571	transcript	-0.15063279	0.19118623	0.15695704	0.27633487	0.20023074	0.30114638	-0.03017700	0.08744628	-0.05007949	0.14717029	-0.05007949	0.14717029	-0.05007949	0.14717029	0.14717029
ENSG0000022444	1123043	1123043	AMEX	transcript	-0.15349499	0.18131868	0.05059922	0.72711709	0.20399132	0.30033689	-0.32633697	0.04868746	-0.28749242	0.03033464	-0.28749242	0.03033464	-0.28749242	0.03033464	0.03033464
ENSG0000022445	3897973	3897973	RN	transcript	-0.08542192	0.19120533	0.15719678	0.2684806	0.15016027	0.60989041	-0.09272142	0.14334953	-0.2901134	0.07590427	0.56947103	-0.2901134	0.07590427	0.56947103	0.56947103
ENSG0000022446	43951223	43957709	ZNF21	transcript	-0.18115504	0.09584534	-0.08451351	0.06001290	0.17107911	0.73831704	-0.27789004	0.16095236	-0.19174854	0.16482414	-0.19174854	0.16482414	-0.19174854	0.16482414	0.16482414
ENSG0000022447	12086892	12086892	ACTA1377	transcribed_pseudogene	-0.12421299	0.28178498	0.06889119	0.63505247	0.1196138	0.44425242	-0.10842880	0.58023609	-0.11901521	0.39130204	-0.11901521	0.39130204	-0.11901521	0.39130204	0.39130204
ENSG0000022448	121420021	121420021	RN43	transcript	-0.17658191	0.14246629	0.14505028	0.31213475	0.12709602	0.52753471	-0.07713525	0.05293916	-0.03193768	0.18196691	-0.03193768	0.18196691	-0.03193768	0.18196691	0.18196691
ENSG0000022449	4192832	4192832	NTRSF3C	transcript	-0.07373451	0.49807834	-0.1182325	0.02093819	-0.15525583	0.59381216	-0.38973807	0.05789492	-0.21232833	0.11443375	-0.21232833	0.11443375	-0.21232833	0.11443375	0.11443375
ENSG0000022450	12255438	12259713	PSTK	transcript	0.10327524	0.13142524	0.15814942	0.27076489	0.08923764	0.77942587	0.11740280	0.55977585	0.05262148	0.70742487	0.05262148	0.70742487	0.05262148	0.70742487	0.70742487
ENSG0000022451	4909698	4909788	ALX3	transcript	-0.24529275	0.03020310	-0.03049767	0.26925965	0.23291435	0.24240145	-0.1708811	0.35262852	-0.2910724	0.03027469	-0.2910724	0.03027469	-0.2910724	0.03027469	0.03027469
ENSG0000022452	1200420	1200420	HTH1	transcript	-0.10488414	0.38400123	0.01722857	0.50257032	-0.1122263	0.39023295	-0.1122263	0.39023295	-0.1122263	0.39023295	-0.1122263	0.39023295	-0.1122263	0.39023295	0.39023295
ENSG0000022453	31637312	31636500	COX4I2	transcript	-0.07480772	0.52207485	0.08438156	0.80509314	0.09826159	0.62963482	-0.02988880	0.88242855	-0.02988880	0.88242855	-0.02988880	0.88242855	-0.02988880	0.88242855	0.88242855
ENSG0000022454	7598983	7598983	SNUP1	transcript	-0.07212764	0.094482719	0.19314868	0.38011950	0.00499177	0.98026903	0.05473054	0.78629678	0.01302371	0.00301533	0.01302371	0.00301533	0.01302371	0.00301533	0.00301533
ENSG0000022455	24101045	24101044	ACOR6A1	transcript	-0.04004058	0.12788143	0.18877873	0.5171959	0.15412748	0.44888328	-0.184025	0.48751063	-0.18393442	0.10356688	-0.18393442	0.10356688	-0.18393442	0.10356688	0.10356688
ENSG0000022456	14003244	14003244	HNR1PAP3	transcribed_pseudogene	-0.10118224	0.35976223	-0.11519443	0.04111057	0.00263789	0.98981103	-0.07114300	0.21344508	-0.20787868	0.13844240	-0.20787868	0.13844240	-0.20787868	0.13844240	0.13844240
ENSG0000022457	89010515	89010515	IG_VH	transcript	-0.05482786	0.16740552	-0.02990440	0.84102603	0.08846873	0.68901843	-0.10708330	0.54988280	-0.07402220	0.51985243	-0.07402220	0.51985243	-0.07402220	0.51985243	0.51985243
ENSG0000022458	23964942	23964942	MTN178A	transcript	-0.06986852	0.37520032	0.15201310	0.29196729	0.29241057	0.13885087	-0.03408782	0.86221708	-0.28811546	0.03408782	-0.28811546	0.03408782	-0.28811546	0.03408782	0.03408782
ENSG0000022459	11701817	11701817	ACOR6A2	transcript	-0.08542192	0.19120533	0.15719678	0.2684806	0.15016027	0.60989041	-0.09272142	0.14334953	-0.2901134	0.07590427	-0.2901134	0.07590427	-0.2901134	0.07590427	0.07590427
ENSG0000022460	20775034	20775034	CD46	transcript	-0.03452713	0.76503303	-0.08729047	0.08319532	0.03458583	0.97573192	-0.03458583	0.97573192	-0.03458583	0.97573192	-0.03458583	0.97573192	-0.03458583	0.97573192	0.97573192
ENSG0000022461	50323161	50323161	ZNF292	transcript	-0.21424232	0.06391100	0.06423320	0.54621524	-0.3611889	0.08217028	-0.09617388	0.63324211	-0.30022028	0.09070484	-0.30022028	0.09070484	-0.30022028	0.09070484	0.09070484
ENSG0000022462	11745732	11745732	IFP2	transcript	-0.11817657	0.18092666	0.04922727	0.18092666	0.04922727	0.18092666	0.04922727	0.18092666	0.04922727	0.18092666	0.04922727	0.18092666	0.04922727	0.18092666	0.18092666
ENSG0000022463	41783585	41783585	KLH10	transcript	-0.07861806	0.46673208	-0.13596818	0.34901541	-0.16582656	0.40969941	-0.01083403	0.95727275	-0.29522077	0.03021434	-0.29522077	0.03021434	-0.29522077	0.03021434	0.03021434
ENSG0000022464	99215372	99215372	H2AF2	transcript	-0.15241841	0.18527403	0.15388199	0.28992724	0.04134874	0.83073798	-0.07190778	0.21514563	-0.07190778	0.21514563	-0.07190778	0.21514563	-0.07190778	0.21514563	0.21514563
ENSG0000022465	15176384	15176384	ARHGAP5	transcript	-0.19034289	0.06848575	-0.24933328	0.06789757	0.04965219	0.84061753	-0.24304821	0.21933861	-0.16549367	0.21933861	-0.16549367	0.21933861	-0.16549367	0.21933861	0.21933861
ENSG0000022466	5349943	5349943	ACOR342	transcript	-0.06854253	0.57146978	0.19213238	0.18118658	-0.18112703	0.36958734	-0.18112703	0.36958734	-0.18112703	0.36958734	-0.18112703	0.36958734	-0.18112703	0.36958734	0.36958734
ENSG0000022467	7892469	7892469	ALX3	transcript	-0.07212764	0.094482719	0.19314868	0.38011950	0.0049										

Table with columns for gene names, coordinates, and various data points. The table lists numerous genes such as ENG000022322, ENG000019633, ENG000019633, etc., along with their genomic coordinates and associated values.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and a list of numerical values representing various metrics for each gene.

Table with 10 columns: Gene ID, Chr, Start, End, Feature, Gene Name, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. The table lists numerous genes and their associated RefSeq identifiers and descriptions.

Table with 15 columns: Gene ID, Ensembl ID, Gene Name, Protein Name, Type, and various numerical values. The table lists numerous genes such as KANSL1, GATA1, and many others, each with associated identifiers and values.

ENSG00000183011	17	7856685	7858230	NAA3B	protein coding	0.13325063	0.24801259	0.01735021	0.93004655	0.37279968	0.08333967	0.17123345	0.36110764	0.10288715	0.45090343	0.17531433	0.42365141	0.24712639	0.08385559
ENSG0000023553	3	13245232	13245232	UCP2-257	transcribed uncategorised	0.1219203	0.0740225	0.0914456	0.6402255	0.40481761	0.2511801	0.13077610	0.49620305	0.24510243	0.0740225	0.17521338	0.42365141	0.24712639	0.08385559
ENSG0000023692	4	8724334	8724334	KIF20B	protein coding	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225
ENSG0000028205	4	843363	844234	KIF138B-5	lincRNA	-0.05472728	0.63173847	0.03848769	0.76075250	0.00038202	0.96600231	-0.13013192	0.45754448	-0.12744688	0.35768688	0.17514322	0.42365141	0.24712639	0.08385559
ENSG00000287132	12	7029114	7024243	UCP2-257	transcribed uncategorised	0.06827918	0.34948017	0.11777851	0.25263740	0.15812619	0.43072753	0.06827918	0.34948017	0.06827918	0.34948017	0.17521338	0.42365141	0.24712639	0.08385559
ENSG00000274403	4	865627	865627	MAN1B	protein coding	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225	0.0740225
ENSG00000178609	4	112035116	11249110	UCP2-257	transcribed uncategorised	-0.10730145	0.15449112	0.04929122	0.73389194	-0.20383597	0.90232908	-0.16714313	0.43245705	-0.12744688	0.35768688	0.17514322	0.42365141	0.24712639	0.08385559
ENSG00000240463	14	3456689	3456689	RPS19B	protein coding	0.24479849	0.03168564	0.11494604	0.30542594	0.46447162	0.01471940	0.05070006	0.80170535	0.05879360	0.13262912	0.17521338	0.42365141	0.24712639	0.08385559
ENSG00000227525	12	1808198	1808198	UCP2-257	transcribed uncategorised	-0.20312927	0.0740225	0.03514378	0.80855271	0.12136298	0.54649303	-0.10294366	0.60817873	-0.15669142	0.11729574	0.17521338	0.42365141	0.24712639	0.08385559
ENSG0000074247	14	19344578	19344578	UCP2-257	transcribed uncategorised	-0.22918876	0.04456174	0.0740225	0.60743851	-0.02027950	0.99778604	-0.00207950	0.99778604	-0.02027950	0.99778604	0.17521338	0.42365141	0.24712639	0.08385559
ENSG00000181518	11	1236247	1236247	OR6D8	protein coding	-0.06786028	0.55076391	-0.01908736	0.86786253	0.18171338	0.40026765	-0.15306326	0.45488072	-0.06812500	0.38442354	0.17521338	0.42365141	0.24712639	0.08385559
ENSG0000023892	14	3415337	3415337	UCP2-257	transcribed uncategorised	-0.22484258	0.06827918	0.0740225	0.60743851	-0.02027950	0.99778604	-0.02027950	0.99778604	-0.02027950	0.99778604	0.17521338	0.42365141	0.24712639	0.08385559
ENSG00000157064	1	18324827	18341830	MINM12	protein coding	-0.16506187	0.14554170	-0.01020078	0.98889754	-0.11455312	0.81222208	-0.05890786	0.77041770	-0.10715609	0.38442354	0.17521338	0.42365141	0.24712639	0.08385559
ENSG0000022951	X	8050146	8050204	WSP1	protein coding	-0.02570941	0.04040169	-0.1324374	0.30407890	0.23762840	0.26535462	-0.26291358	0.13520774	-0.32748827	0.01810260	0.17480206	0.42474465	0.26203528	0.0812853
ENSG0000023992	14	3415337	3415337	UCP2-257	transcribed uncategorised	-0.11698897	0.31101014	-0.00813308	0.98263417	0.06989522	0.76381609	-0.14783151	0.47412048	-0.15594432	0.26201036	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000130520	19	1952636	1832121	LRM3	protein coding	0.19381869	0.09156216	0.30590744	0.00786648	-0.11140306	0.43198723	0.46545003	0.01442725	0.24196156	0.0774431	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000162543	10	2018606	2018606	UBAN10	protein coding	-0.04232503	0.57888381	0.07130330	0.64071563	0.24299483	0.22147418	-0.33203977	0.86910598	-0.08948673	0.53622523	0.17480206	0.42474465	0.26203528	0.0812853
ENSG0000015944	4	4233566	4242598	UCP2-257	transcribed uncategorised	-0.11430164	0.32337621	-0.05271901	0.67748135	0.16699474	0.00191391	-0.20699793	0.3921478	-0.16812899	0.24017758	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000204149	10	4998219	5001056	ADAP6	protein coding	-0.06022274	0.59925189	0.04818351	0.51134338	-0.10398411	0.61893343	-0.04882211	0.67630414	-0.18007569	0.19056173	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000170577	2	4500512	4500492	UCP2-257	transcribed uncategorised	-0.14652284	0.13420260	0.05800601	0.72080460	-0.07331457	0.18355884	-0.05887000	0.70811879	-0.05887000	0.18355884	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000272762	5	16901246	169013146	AC011389.2	lincRNA	-0.0812853	0.17480206	-0.0740225	0.18184715	-0.02949045	0.83353695	-0.06714238	0.77097389	-0.18591638	0.17830186	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000287043	10	1201406	1203839	UCP2-257	transcribed uncategorised	-0.0812853	0.17480206	-0.0740225	0.18184715	-0.02949045	0.83353695	-0.06714238	0.77097389	-0.18591638	0.17830186	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000178903	24	2424206	24485074	ADORA2A-AS1	lincRNA	-0.14810884	0.20481515	-0.04887270	0.77348817	-0.11379078	0.87128064	-0.01714848	0.90289892	-0.15802643	0.25734248	0.17472027	0.42509487	0.26203528	0.0812853
ENSG00000185597	14	10657324	10457183	PNKNC	protein coding	-0.27419777	0.01082748	-0.03322848	0.81880997	-0.40574198	0.03394962	-0.76004561	0.16028964	-0.43587501	0.00090989	0.17475526	0.42474465	0.26203528	0.0812853
ENSG00000287184	7	15910771	159109216	UCP2-257	transcribed uncategorised	-0.24684459	0.02392320	-0.04887270	0.83353695	-0.07434420	0.01217624	-0.26103428	0.60960705	-0.17472027	0.42509487	0.26203528	0.0812853	0.0812853	
ENSG00000228515	7	36192024	36110772	MRNP13	protein coding	-0.07234013	0.53182719	0.14898811	0.29948368	0.08881428	0.79310863	0.22675734	0.25573678	-0.03372448	0.80817240	0.17472027	0.42509487	0.26203528	0.0812853
ENSG00000287398	19	19527035	19589351	UCP2-257	transcribed uncategorised	-0.04733263	0.0740225	0.07788934	0.59339662	0.22208207	0.26930321	0.04695306	0.81784464	-0.2835363	0.06310961	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000119401	9	116887305	116710310	TRIM32	protein coding	0.10434512	0.36648378	0.24135673	0.01936828	0.15718015	0.43198723	0.17400004	0.37682338	0.06890551	0.62035308	0.17472027	0.42509487	0.26203528	0.0812853
ENSG00000289132	16	31470204	31471281	UCP2-257	transcribed uncategorised	-0.03317378	0.84477844	0.05204433	0.88810968	0.04528788	0.82222042	0.02075959	0.91998433	-0.01700858	0.90245445	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000231016	14	10657324	10457183	PNKNC	protein coding	-0.0812853	0.17480206	-0.0740225	0.18184715	-0.02949045	0.83353695	-0.06714238	0.77097389	-0.18591638	0.17830186	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000109270	4	98978338	98984428	LAMT0R3	protein coding	0.26746447	0.00596944	0.05224199	0.86612993	0.00054347	0.98890141	-0.08708277	0.66588037	0.31125891	0.01970202	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000142449	19	8095402	8148922	FBNS	protein coding	-0.12429738	0.8012853	0.04466088	0.78107597	-0.26441489	0.16291892	-0.12325513	0.5402125	-0.32977548	0.13438993	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000133409	4	4233566	4242598	KIF20B	protein coding	-0.0812853	0.17480206	-0.0740225	0.18184715	-0.02949045	0.83353695	-0.06714238	0.77097389	-0.18591638	0.17830186	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000235643	1	11800448	11800448	UCP2-257	transcribed uncategorised	-0.15338412	0.18184715	-0.03877292	0.79988593	-0.03148033	0.85733692	-0.21166457	0.82802726	-0.19630155	0.15483899	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000185907	14	34549202	34549202	PPP1R3B	protein coding	-0.20494033	0.04733263	-0.03449893	0.81012418	-0.28243272	0.14924188	-0.03034322	0.64444073	-0.25083207	0.06751739	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000143147	7	77667	77667	UCP2-257	transcribed uncategorised	-0.10730145	0.15449112	-0.04929122	0.73389194	-0.20383597	0.90232908	-0.16714313	0.43245705	-0.12744688	0.35768688	0.17514322	0.42365141	0.24712639	0.08385559
ENSG00000273008	7	38326603	38326643	UCP2-257	transcribed uncategorised	-0.11430164	0.32337621	-0.05271901	0.67748135	0.16699474	0.00191391	-0.20699793	0.3921478	-0.16812899	0.24017758	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000147206	X	103075810	103091343	RRP15	protein coding	-0.26203528	0.0812853	-0.02324489	0.87280349	-0.20092218	0.2954205	-0.23776792	0.23238482	-0.35583487	0.00295207	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000287043	10	1201406	1203839	UCP2-257	transcribed uncategorised	-0.0812853	0.17480206	-0.0740225	0.18184715	-0.02949045	0.83353695	-0.06714238	0.77097389	-0.18591638	0.17830186	0.17480206	0.42474465	0.26203528	0.0812853
ENSG00000067533	1	21828503	21837981	NRX1	protein coding	0.04848853	0.67351626	0.05534427	0.70202840	-0.00583320	0.96381804	-0.14957385	0.45648159	-0.10580658	0.40839884	0.17480206	0.42509487	0.26203528	0.0812853
ENSG00000147180	X	85243991	8527338	ZNF711	protein coding	-0.24851984	0.02302031												

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description. Contains genomic data for various genes including PDLIM2, PDLIM3, PDLIM4, PDLIM5, PDLIM6, PDLIM7, PDLIM8, PDLIM9, PDLIM10, PDLIM11, PDLIM12, PDLIM13, PDLIM14, PDLIM15, PDLIM16, PDLIM17, PDLIM18, PDLIM19, PDLIM20, PDLIM21, PDLIM22, PDLIM23, PDLIM24, PDLIM25, PDLIM26, PDLIM27, PDLIM28, PDLIM29, PDLIM30, PDLIM31, PDLIM32, PDLIM33, PDLIM34, PDLIM35, PDLIM36, PDLIM37, PDLIM38, PDLIM39, PDLIM40, PDLIM41, PDLIM42, PDLIM43, PDLIM44, PDLIM45, PDLIM46, PDLIM47, PDLIM48, PDLIM49, PDLIM50, PDLIM51, PDLIM52, PDLIM53, PDLIM54, PDLIM55, PDLIM56, PDLIM57, PDLIM58, PDLIM59, PDLIM60, PDLIM61, PDLIM62, PDLIM63, PDLIM64, PDLIM65, PDLIM66, PDLIM67, PDLIM68, PDLIM69, PDLIM70, PDLIM71, PDLIM72, PDLIM73, PDLIM74, PDLIM75, PDLIM76, PDLIM77, PDLIM78, PDLIM79, PDLIM80, PDLIM81, PDLIM82, PDLIM83, PDLIM84, PDLIM85, PDLIM86, PDLIM87, PDLIM88, PDLIM89, PDLIM90, PDLIM91, PDLIM92, PDLIM93, PDLIM94, PDLIM95, PDLIM96, PDLIM97, PDLIM98, PDLIM99, PDLIM100.

Table with columns for gene names, coordinates, and various numerical values. The table is organized into multiple columns and rows, listing genomic data for various genes and transcripts.

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand. Contains genomic coordinates and gene annotations for various genes like AC054515, AC054516, AC054517, etc.

ENSG00000112991	12	1260775	1292147	GPRCSD	protein coding	-0.125691259	0.275286142	0.02007091	0.89896192	0.311918613	0.113218109	-0.085797961	0.670791633	-0.207908894	0.131402522	0.153287009	0.483442616	0.143373871	0.320556903		
ENSG00000112992	1	2036277	2037489	ATP2B1	protein coding	-0.2020474	0.263477721	-0.14832336	0.40377716	0.704827162	0.265275792	0.54091467	0.34333337	0.15307265	0.33381877	0.15307265	0.33381877	0.29236371	0.29236371	0.29236371	
ENSG00000112993	1	14917246	14917246	ACTG2	lncRNA	-0.931785738	0.931785738	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000143493	1	21104399	21035577	INTS7	protein coding	0.12963047	0.274253749	0.099912305	0.409977332	0.654422709	0.270028391	0.721447666	0.14482223	0.490991775	0.153727244	0.483787776	0.483787776	0.153727244	0.153727244	0.153727244	
ENSG00000159999	2	1486444	1487066	EPIC	protein coding	0.14197561	0.218059895	0.01181127	0.342524561	0.6181753	0.32439661	0.312891967	0.1208260	0.0683246	0.06216999	0.15359228	0.15359228	0.15359228	0.15359228	0.15359228	0.15359228
ENSG00000203711	1	15894849	15913105	LOC101928	lncRNA	-0.0714553	0.0714553	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000257096	14	21621083	21621083	ALH1747.2	lncRNA	0.006471871	0.006471871	0.01120898	0.0341966	0.000072599	0.691142898	-0.307920287	0.118710014	0.175502997	0.18615867	0.483438872	0.483438872	0.13012441	0.475551579	0.475551579	
ENSG00000163726	1	2536317	2536317	MEMO3	protein coding	0.13941339	0.24505405	0.00209555	0.44899379	0.71466573	0.55914915	-0.05130067	0.79870708	0.15992005	0.32682139	0.15354091	0.484312495	0.484312495	0.102237348	0.102237348	0.102237348
ENSG00000221698	1	12343290	12343290	PRPF2	protein coding	-0.18629191	0.18629191	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000248124	16	21796106	21810410	RNRS1P1	transcribed unprocessed	-0.053850873	0.053850873	0.16791075	0.24378025	0.41689934	0.14832752	0.31644495	0.06744267	0.03714268	0.78464454	0.78464454	0.10446724	0.10446724	0.10446724	0.10446724	
ENSG00000144713	3	12648456	12648456	RNLS2	protein coding	0.05502067	0.05502067	0.1317106	0.30178224	0.68179999	0.00000000	0.00000000	0.98672716	0.34762614	0.00000000	0.15349857	0.48447249	0.48447249	0.00000000	0.00000000	
ENSG00000221698	1	14409878	14409878	PRPF2	protein coding	-0.18629191	0.18629191	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000271555	16	49847018	49847018	RNRS1P1	transcribed unprocessed	-0.21184545	0.21184545	0.06497679	0.07788182	0.5918120	0.10331159	0.12664513	0.04688883	0.20898182	0.12652353	0.45354765	0.45354765	0.02974481	0.02974481	0.02974481	
ENSG00000195927	10	11473720	11473720	TDRD7	protein coding	-0.36579318	0.36579318	-0.1354544	0.3686951	0.39283261	0.0309242	-0.2427476	0.13675013	-0.46242704	0.00411668	0.15349488	0.4845288	0.4845288	0.3987454	0.3987454	
ENSG00000209954	1	11552488	11564841	ACTG2	lncRNA	-0.1111637	0.1111637	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000244094	1	15312111	15311351	SPRZF2	protein coding	-0.25643174	0.25643174	-0.00000000	0.00000000	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174	0.25643174
ENSG00000259513	10	4217392	4218280	LMB1L2-AS1	lncRNA	-0.16226381	0.16226381	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000122992	19	6903103	6914965	SRON	protein coding	0.1898118	0.1898118	0.00441726	0.4418154	0.378509418	0.01819516	0.24971731	0.16818609	0.244100374	0.1532274	0.1532274	0.1532274	0.1532274	0.1532274	0.1532274	0.1532274
ENSG00000200929	14	52004803	52009229	NID2	protein coding	-0.14054378	0.14054378	0.00343929	0.051457854	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537	0.138841537
ENSG00000108759	17	4149351	4149738	KP32	protein coding	-0.17982535	0.17982535	0.02556462	0.80012864	0.23000037	0.24874013	-0.0720281	0.66605092	-0.24917655	0.06211753	0.15326058	0.48504969	0.48504969	0.19120207	0.19120207	0.19120207
ENSG00000111005	12	6923599	6927435	CPFB	protein coding	0.15200739	0.15200739	0.214999428	0.13371913	0.34048294	0.04190313	0.23691201	0.23405110	0.14778955	0.29827537	0.15326205	0.48504969	0.48504969	0.16354944	0.16354944	0.16354944
ENSG00000110063	11	12630406	12635000	DKS3	protein coding	0.105087974	0.105087974	0.17558083	0.23072957	0.403882015	0.48738564	0.15172172	0.10858598	0.17982802	0.15319765	0.15318038	0.48503606	0.48503606	0.10119207	0.10119207	0.10119207
ENSG0000029797	3	14524257	14524739	PIR2P39	transcribed unprocessed	0.11353464	0.11353464	0.05948485	0.8376417	0.378888029	0.02778189	-0.07382483	0.6973408	0.11517668	0.40281628	0.15312135	0.48503611	0.48503611	0.10353401	0.10353401	0.10353401
ENSG00000195926	19	1842493	1852118	ELL1	protein coding	0.00404304	0.00404304	0.01058394	0.808992453	0.19240285	0.3897441	0.13285787	0.5294794	-0.00203389	0.05118933	0.15318358	0.48454293	0.48454293	0.00920520	0.00920520	0.00920520
ENSG00000280780	17	6193456	61411555	TRF2-AS1	lncRNA	-0.26790818	0.26790818	0.01759309	0.87131896	-0.24417038	0.1831977	-0.31254688	0.11242592	-0.40248548	0.00251403	0.15312775	0.48454298	0.48454298	0.22283998	0.22283998	0.1984411
ENSG00000100987	14	2930115	2948493	DRRS2	protein coding	-0.08468765	0.08468765	-0.04744338	0.74833791	1.0694414	0.01405595	-0.1874247	0.3261678	-0.3114874	0.00728627	0.1530646	0.48495138	0.48495138	0.13996967	0.13996967	0.13996967
ENSG00000134389	1	19697738	19703678	CHFR5	protein coding	-0.13413011	0.13413011	0.2546044	0.47651201	0.112774879	0.5743908	0.1028108	0.18854298	0.16288115	0.1532761	0.48454298	0.48454298	-0.08361308	0.08361308	0.08361308	0.08361308
ENSG00000162386	2	23246884	23241074	ALP2	protein coding	-0.31914933	0.31914933	0.06844707	0.93699994	-0.4288529	0.02273378	-0.11696224	0.27202028	-0.41892227	0.0011892	0.15290835	0.48697374	0.48697374	0.34329953	0.34329953	0.34329953
ENSG00000170291	1	14452364	14452364	ACTG2	lncRNA	-0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000256533	11	114453064	114454123	OPDQ37.2	transcribed unprocessed	-0.14452318	0.14452318	0.0051989	0.17533662	0.1052243	0.36746987	-0.13351057	0.44488831	-0.13098938	0.337697024	0.15298615	0.48611431	0.48611431	-0.1000876	0.1000876	0.1000876
ENSG00000117242	1	2064267	2062123	PRKX-AS1	lncRNA	0.029114282	0.029114282	0.01378754	0.92420011	0.141692108	0.40081939	-0.11073389	0.5241647	-0.03242421	0.78365115	0.15298615	0.48612429	0.48612429	0.03710464	0.03710464	0.03710464
ENSG0000022489	7	7962133	79624053	ACTG2	lncRNA	-0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000185739	16	4199374	4242080	SRN1	lncRNA	-0.21101656	0.21101656	0.06545148	0.08535314	0.49620011	0.1927633	0.31788813	-0.07057697	0.07556623	-0.03232304	0.15298615	0.48612429	0.48612429	0.22665378	0.22665378	0.1014102
ENSG0000029922	2	2706108	2706181	AGL3L1T1	lncRNA	0.04897250	0.04897250	0.11338502	0.43311707	0.10097054	0.58007747	0.13938031	0.3320260	0.10461327	0.43242409	0.15298615	0.48612429	0.48612429	0.1014102	0.1014102	0.1014102
ENSG00000118137	1	1617628	1617628	ACTG2	lncRNA	-0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000130255	16	5874847	5891874	RBL3	protein coding	0.03285622	0.78044123	0.1084488	0.454313981	0.28213012	0.25034480	-0.016674025	0.83142109	-0.06044389	0.18617673	0.15272451	0.48612429	0.48612429	0.08198534	0.08198534	0.08198534
ENSG00000201745	6	5312564	5312146	AL152347.1	lncRNA	-0.12898801	0.12898801	0.00372943	0.8056211	0.244224313	0.2196979	-0.06533627	0.74605543	-0.13417882	0.33338545	0.15298615	0.48612429	0.48612429	0.18705584	0.18705584	0.18705584
ENSG00000287437	1	1017848	101784																		

ENSG00000135226	4	6920475	6920500	UGT2B28	protein coding	0.05577698	0.629941083	0.12986204	0.38871397	-0.2038804	0.307768703	0.10873030	0.58834932	-0.0119877	0.941652079	0.146351601	0.50154867	0.034712101	0.108680933	
ENSG00000278797	2	92072789	92072789	LOC102727897	lincRNA	-0.18378811	0.09125588	0.05274743	0.09276260	-0.27276260	0.09276260	-0.24572760	0.21601770	-0.35523260	0.09276260	0.14613870	0.09276260	0.133374771	0.20738510	
ENSG00000298445	18	4721274	4721274	LOC102727897	lincRNA	-0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213	0.02447213
ENSG00000250707	7	1055360	1055261	LOC102727897	lincRNA	0.08075763	0.48550433	0.172921116	0.22979664	0.002702943	0.688976223	0.20477618	0.30571566	0.03379594	0.78997472	0.042629083	0.05355860	0.04416634	0.739776769	
ENSG00000337581	4	1479285	1479285	LOC102727897	lincRNA	-0.15230789	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158	0.07276158
ENSG00000336463	1	1419858	1419858	LOC102727897	lincRNA	-0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833	0.07118833
ENSG00000184402	5	13275019	13280241	SEPTIN8	protein coding	0.02841172	0.0871586	0.01355506	0.07209447	0.07842204	0.69226784	0.06248894	0.7583430	0.02871981	0.8389646	0.14662624	0.06886564	0.06886564	0.634642935	
ENSG00000176472	19	4325249	4326130	ZNF575	protein coding	-0.01501826	0.04946987	0.05098876	0.06475928	0.1386144	0.447250784	0.06521491	0.7463265	-0.02923132	0.50775038	0.1461280	0.0569262	0.0460000	0.71873827	
ENSG00000265691	3	1549133	1549133	LOC102727897	lincRNA	-0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959	0.02761959
ENSG00000149571	11	12642358	12703460	KIF3L3	protein coding	-0.13915871	0.24559592	0.02465167	0.68282483	0.01424693	0.54652033	-0.09071778	0.85270476	0.01424693	0.13915871	0.14610529	0.05919412	0.03729221	0.143593204	
ENSG00000129402	2	17302728	17302828	SNORA74B	snoRNA	-0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475	0.01386475
ENSG00000231402	6	3128730	31288884	WNSP1	processed pseudogene	-0.02629165	0.38972914	0.02629165	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974	0.48917974
ENSG00000129194	17	7819278	7819904	SNX15	processed pseudogene	0.124285014	0.21711253	0.17484404	0.4188822	0.17484404	0.17484404	0.17484404	0.17484404	0.17484404	0.17484404	0.17484404	0.17484404	0.17484404	0.17484404	0.17484404
ENSG00000252318	13	19551328	1958880	LOC102727897	lincRNA	-0.18021753	0.17819599	-0.1827211	0.4038296	0.04741404	0.4110354	-0.02710691	0.17139115	-0.0433681	0.13629587	0.04937378	0.03832072	0.14396929	0.3032329	
ENSG00000181303	17	7402304	7402304	SPRY4	protein coding	-0.07305181	0.52787778	0.04048498	0.46037893	0.03418928	0.86932633	-0.18393447	0.27845438	-0.20102883	0.14495731	0.14598781	0.98334647	0.01490927	0.92262938	
ENSG00000158201	18	21605001	21704780	ABHD3	protein coding	-0.028188776	0.07721337	-0.15521121	0.718817059	0.036184517	0.85775001	-0.16062311	0.42351041	-0.039423262	0.77715204	0.14594848	0.05044069	0.05126885	0.14742748	
ENSG00000242960	3	7250494	7250599	FTTH123	processed pseudogene	-0.00849422	0.03847713	0.02628310	0.84055224	0.08373030	0.8575811	0.02642594	0.98952526	-0.00898811	0.04458484	0.1459385	0.04951129	0.042426189	0.13149693	
ENSG00000270394	1	15467103	15467344	LOC102727897	lincRNA	-0.00655214	0.01593024	0.04596911	0.77249001	0.01953324	0.92414109	0.01464555	0.16201427	0.02747192	0.98430429	0.14593845	0.05413845	0.03374271	0.02053157	
ENSG00000252313	10	1671321	16748377	LOC102727897	lincRNA	0.060525214	0.60078613	0.10413791	0.47709147	0.01824246	0.627881554	0.00811486	0.9676395	0.02484578	0.85846184	0.05045108	0.04851095	0.09270238	0.60267243	
ENSG00000236487	10	7688804	7698804	KCNMA1-AS1	lincRNA	-0.269850721	0.03499214	0.01006784	0.74172847	0.30712552	0.15319507	0.44536131	-0.32466248	0.04810804	0.14588479	0.05065703	0.201444626	0.04001380	0.04001380	
ENSG00000227747	1	4708863	47042024	LOC102727897	lincRNA	-0.27630191	0.01373705	0.01162751	0.29266197	0.13861371	0.19006386	0.34180546	-0.20513728	0.09162678	0.14593871	0.50713583	0.285232833	0.04605871		
ENSG00000280002	5	820719	838437	LOC102727897	lincRNA	-0.284579052	0.09359551	-0.05559281	0.98485378	-0.33205588	0.087416647	-0.08738286	0.09699977	0.14583259	0.05012222	0.661172929				
ENSG00000195328	22	17812323	17849349	GMBL1	protein coding	-0.22355407	0.02526237	0.01461298	0.7418886	0.12312609	0.11207141	-0.27025228	0.17227073	-0.36693843	0.03039391	0.14582073	0.50873953	0.20134433	0.10688705	
ENSG00000107847	7	1004208	10042952	ZCWPY1	protein coding	0.00989781	0.40289574	0.00929231	0.54385494	0.04048921	0.9102659	0.04459385	0.67537527	0.00847178	0.4978341	0.14591529	0.5071795	0.09148769	0.37446491	
ENSG00000252345	8	9643032	9643038	LOC102727897	lincRNA	0.12527763	0.27755121	0.163718	0.2574807	0.03040147	0.89918021	0.11188033	0.57834624	0.02624172	0.8593596	0.14727522	0.05898814	0.15202046	0.2813188	
ENSG00000195996	21	3271309	3271752	PABP1	protein coding	0.15895181	0.01741692	0.2291974	0.11615701	0.22933013	0.24982462	0.30389289	0.18349168	0.13347205	0.3393384	0.1457636	0.5990240	0.14371093	0.30711919	
ENSG00000121485	5	1509432	15095408	RPL71	processed pseudogene	0.42542484	0.00112681	0.0113418	0.92746203	0.07878867	1.586108	-0.14685710	0.46841913	0.47412023	0.00202729	0.14571324	0.10707969	0.2442033	1.0E-05	
ENSG00000196471	8	9628192	9633989	PTDIS1	protein coding	0.11687895	0.13198237	0.1807904	0.2084770	0.02487177	0.9018227	0.0432834	0.8038511	-0.0521537	0.70874467	0.14589773	0.05702241	0.17324062	0.22358267	
ENSG00000270082	1	15420696	15420696	LOC102727897	lincRNA	-0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219	0.00148219
ENSG00000143812	1	15420696	15420637	C1orf63	protein coding	0.21606898	0.58487167	0.04347054	0.67857063	0.42487177	0.9335922	0.04171578	0.63836237	0.30516449	0.04349668	0.14584436	0.07077696	0.27477696	0.05653381	
ENSG00000108984	10	5835345	5839202	TFAM	protein coding	-0.08542743	0.17518893	0.11105268	0.44239709	0.03744978	0.58297354	-0.00408258	0.88365532	-0.17329725	0.10141179	0.14584388	0.02719022	0.04758624	0.74730033	
ENSG00000152033	1	15104516	15104516	LOC102727897	lincRNA	-0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038
ENSG00000258033	2	9383617	9383800	LOC102727897	lincRNA	-0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	
ENSG00000214622	17	2052113	2052327	KRT11P3	transcribed unprocessed pseudogene	-0.18884874	0.14297734	0.02339337	0.8511447	-0.2542038	0.20429268	-0.1901407	0.34213537	-0.20104099	0.04292226	0.14582898	0.0767171	0.144240270	0.3003138	
ENSG00000174014	1	1541068	1541068	LOC102727897	lincRNA	-0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	
ENSG00000114878	2	7415228	7417888	MOT1B	protein coding	0.14241196	0.0364003	0.0284380	0.8551444	0.0076848	0.8456141	0.01564862	0.93824069	0.15040255	0.27745589	0.14550043	0.02119889	0.12184989	0.12184989	
ENSG00000215074	8	729874	735359	FAM69B	protein coding	-0.16181893	0.15997201	-0.04293013	0.8069212	-0.14495303	0.47067381	-0.10011528	0.34219881	-0.2472973	0.07066568	0.14582916	0.07373497	0.031789931	0.3311154	
ENSG00000182124	1	1488888	1488888	LOC102727897	lincRNA	-0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	0.03218038	
ENSG00000286388	12	12816130	12816148	LOC102727897	lincRNA	-0.12391651	0.28056807	-0.03843743	0.8066212	-0.26834373	0.714211762	-0.33628878	0.08633047	-0.33628878	0.011932051	0.14587311	0.50771588	0.03387814	0.826290471	
ENSG00000182333	10	8868441	8867784	LFP1	protein coding	-0.27840241	0.01997158	-0.13495401	0.9303878	-0.2523396	0.20739442	-0.46929265	0.01354287	-0.41584827	0.00176047					

Table with 10 columns: Gene ID, Chromosome, Start, End, Strand, Feature, Gene Name, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Date. Contains a comprehensive list of genes and their genomic coordinates.

Table with 10 columns: Gene ID, Gene Name, Feature, Coordinates, and various numerical values. The table lists numerous genes such as FAM209C, SFR1, FTYD1, and many others, with their genomic coordinates and associated data points.

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand. Contains genomic coordinates and gene annotations for various genes like ADAMTS-1, ADAMTS-2, ADAMTS-3, etc.

ENSG0000011425	12	110910819	110921443	MTFL2	protein coding	0.035684309	0.568818379	0.172024970	0.212932870	0.030319479	0.881154233	0.229672366	0.005187126	0.973034999	0.125995938	0.56688072	0.010022329	0.845033927		
ENSG0000011426	12	133171192	133178459	PCNA	protein coding	0.097179624	0.2717462	0.184331711	0.3437711	0.0530303	0.792975237	0.2705380	0.1477679	0.26297127	0.1934529	0.66981279	0.010487671	0.845033927		
ENSG0000012496	12	118120000	118120000	THOYL3NC	lncRNA	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	0.0814459	
ENSG00000152409	12	79236131	79237211	JMY	protein coding	0.067464803	0.559904164	0.188413510	0.19981780	0.045423308	0.185219954	0.07238480	0.07238480	0.125995938	0.125995938	0.125995938	0.007018008	0.042301802		
ENSG00000134057	12	6917138	69172463	COG1	protein coding	0.055124051	0.633257599	0.20267207	0.20267207	0.097770718	0.47147504	0.08621258	0.046525340	0.763282311	0.125995938	0.567027395	0.011444466	0.426701570		
ENSG0000022413	12	48483000	48483000	ORP2L	protein coding	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	0.048740000	
ENSG00000115705	12	1473066	1473066	ORP2L	protein coding	0.281270270	0.03121574	0.035684309	0.805784730	0.264408124	0.12913463	0.200188248	0.041188128	0.001628294	0.125995938	0.125995938	0.125995938	0.059117434	0.266505500	
ENSG00000235180	12	16744389	16744389	PCNOC91	lncRNA	0.184850168	0.107271718	0.02791245	0.82922485	0.07688511	0.70318955	0.013995938	0.044740712	0.000788769	0.044740712	0.044740712	0.044740712	0.044740712	0.044740712	
ENSG00000206447	12	2139307	2139307	AC0626.3	lncRNA	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	0.06294338	
ENSG00000092390	12	1978299	1978299	LAJ2	protein coding	0.035684309	0.32819530	0.173242147	0.28292860	0.03287984	0.68472991	0.366450686	0.09600017	0.059390309	0.04604504	0.125995938	0.125995938	0.125995938	0.018443139	0.195978989
ENSG00000127199	12	31366253	31366253	FAM7A	protein coding	0.022712650	0.848338694	0.193390305	0.42630480	0.01746381	0.65146455	0.022867178	0.263843038	0.09871399	0.08744278	0.125995938	0.125995938	0.125995938	0.118474878	0.488424480
ENSG00000101074	12	9204892	9204892	PCNOC91	lncRNA	0.022712650	0.848338694	0.193390305	0.42630480	0.01746381	0.65146455	0.022867178	0.263843038	0.09871399	0.08744278	0.125995938	0.125995938	0.125995938	0.118474878	0.488424480
ENSG00000204442	12	10789410	10789410	FAM155A	protein coding	0.207181050	0.070703610	0.008473110	0.53430358	0.20648488	0.030877681	0.062398446	0.79536470	0.23814459	0.062903313	0.125995938	0.125995938	0.125995938	0.184443139	0.195978989
ENSG00000295940	12	10358877	10358877	AC027020.1	lncRNA	0.088915842	0.041896411	0.057407111	0.68939010	0.178986410	0.377200287	0.03723333	0.76448403	0.19430784	0.16717224	0.125995938	0.125995938	0.125995938	0.030376720	0.602762510
ENSG00000288111	12	19713608	19713608	AC097178.3	lncRNA	0.031321484	0.05720083	0.050898989	0.987511255	0.008107985	0.179871400	0.170282027	0.365941174	0.04847434	0.70200105	0.125995938	0.125995938	0.125995938	0.015186989	0.161960011
ENSG00000237782	12	45581927	45581927	PLPPP1	transcribed unprocessed	0.055510815	0.631571158	0.066332509	0.647180273	0.178394718	0.43055447	0.132122448	0.245666144	0.243480861	0.07671864	0.125995938	0.125995938	0.125995938	0.005735604	0.005735604
ENSG00000128313	12	33717872	33717872	APOL5	protein coding	0.144290981	0.18062653	0.19470210	0.8083581	0.00523288	0.97833362	0.282571308	0.198746316	0.24494272	0.119862328	0.125995938	0.125995938	0.125995938	0.003400441	0.480777809
ENSG00000133095	12	43969692	43969692	LEPRL3	protein coding	0.172232183	0.322964786	0.15732304	0.27456708	0.2653880	0.1983317	0.12903786	0.57005729	0.11725208	0.398497396	0.125995938	0.125995938	0.125995938	0.042966179	0.11947477
ENSG00000158762	12	18875142	18883933	ORP2K2	protein coding	0.187507556	0.142342191	0.146692947	0.49803925	0.045425293	0.826980874	0.180374428	0.3881131	0.148276095	0.280724447	0.125995938	0.125995938	0.125995938	0.177791022	0.21873903
ENSG00000206287	12	17328854	13717970	ORP2L3	protein coding	0.200396341	0.00888741	0.11749851	0.44625050	0.213497381	0.503012284	0.31301289	0.24110759	0.3436704	0.00044229	0.125995938	0.125995938	0.125995938	0.027158441	0.08443214
ENSG00000254568	12	10628985	10621522	ORP2L2	polymeric protein coding	0.008984374	0.391833028	0.012144451	0.833290774	0.197921421	0.322169322	0.020295101	0.872907138	0.000824414	0.165369992	0.125995938	0.125995938	0.125995938	0.07725542	0.157587911
ENSG00000199863	12	7448733	7448733	ORP2L1	transcribed unprocessed	0.28054445	0.04134243	0.11241814	0.43020008	0.18351802	0.59519419	0.37031361	0.0527106	0.359324389	0.125995938	0.125995938	0.125995938	0.05774421	0.245193025	
ENSG0000025264	12	10414595	10414595	LINC-00241	transcribed unprocessed	0.14418782	0.21088733	0.0898672	0.5473984	0.10705470	0.49595174	0.233292228	0.23124488	0.21010247	0.12729584	0.125995938	0.125995938	0.08789247	0.104134787	
ENSG00000237079	12	3092036	30914054	LINC-02398	lncRNA	0.000713254	0.485119781	0.009118763	0.948957025	0.234690253	0.249178342	0.049802055	0.805834197	0.08712925	0.053897119	0.125995938	0.125995938	0.125995938	0.103707789	0.365824464
ENSG00000204442	12	10789410	10789410	FAM155A	protein coding	0.207181050	0.070703610	0.008473110	0.53430358	0.20648488	0.030877681	0.062398446	0.79536470	0.23814459	0.062903313	0.125995938	0.125995938	0.125995938	0.184443139	0.195978989
ENSG00000295940	12	10358877	10358877	AC027020.1	lncRNA	0.088915842	0.041896411	0.057407111	0.68939010	0.178986410	0.377200287	0.03723333	0.76448403	0.19430784	0.16717224	0.125995938	0.125995938	0.125995938	0.030376720	0.602762510
ENSG00000288111	12	19713608	19713608	AC097178.3	lncRNA	0.031321484	0.05720083	0.050898989	0.987511255	0.008107985	0.179871400	0.170282027	0.365941174	0.04847434	0.70200105	0.125995938	0.125995938	0.125995938	0.015186989	0.161960011
ENSG00000237782	12	45581927	45581927	PLPPP1	transcribed unprocessed	0.055510815	0.631571158	0.066332509	0.647180273	0.178394718	0.43055447	0.132122448	0.245666144	0.243480861	0.07671864	0.125995938	0.125995938	0.125995938	0.005735604	0.005735604
ENSG00000128313	12	33717872	33717872	APOL5	protein coding	0.144290981	0.18062653	0.19470210	0.8083581	0.00523288	0.97833362	0.282571308	0.198746316	0.24494272	0.119862328	0.125995938	0.125995938	0.125995938	0.003400441	0.480777809
ENSG00000133095	12	43969692	43969692	LEPRL3	protein coding	0.172232183	0.322964786	0.15732304	0.27456708	0.2653880	0.1983317	0.12903786	0.57005729	0.11725208	0.398497396	0.125995938	0.125995938	0.125995938	0.042966179	0.11947477
ENSG00000158762	12	18875142	18883933	ORP2K2	protein coding	0.187507556	0.142342191	0.146692947	0.49803925	0.045425293	0.826980874	0.180374428	0.3881131	0.148276095	0.280724447	0.125995938	0.125995938	0.125995938	0.177791022	0.21873903
ENSG00000206287	12	17328854	13717970	ORP2L3	protein coding	0.200396341	0.00888741	0.11749851	0.44625050	0.213497381	0.503012284	0.31301289	0.24110759	0.3436704	0.00044229	0.125995938	0.125995938	0.125995938	0.027158441	0.08443214
ENSG00000254568	12	10628985	10621522	ORP2L2	polymeric protein coding	0.008984374	0.391833028	0.012144451	0.833290774	0.197921421	0.322169322	0.020295101	0.872907138	0.000824414	0.165369992	0.125995938	0.125995938	0.125995938	0.07725542	0.157587911
ENSG00000199863	12	7448733	7448733	ORP2L1	transcribed unprocessed	0.28054445	0.04134243	0.11241814	0.43020008	0.18351802	0.59519419	0.37031361	0.0527106	0.359324389	0.125995938	0.125995938	0.125995938	0.05774421	0.245193025	
ENSG0000025264	12	10414595	10414595	LINC-00241	transcribed unprocessed	0.14418782	0.21088733	0.0898672	0.5473984	0.10705470	0.49595174	0.233292228	0.23124488	0.21010247	0.12729584	0.125995938	0.125995938	0.08789247	0.104134787	
ENSG00000237079	12	3092036	30914054	LINC-02398	lncRNA	0.000713254	0.485119781	0.009118763	0.948957025	0.234690253	0.249178342	0.049802055	0.805834197	0.08712925	0.053897119	0.125995938	0.125995938	0.125995938	0.103707789	0.365824464
ENSG00000204442	12	10789410	10789410	FAM155A	protein coding	0.207181050	0.070703610	0.008473110	0.53430358	0.20648488	0.030877681	0.062398446	0.79536470	0.23814459	0.062903313	0.125995938	0.125995938	0.125995938	0.184443139	0.195978989
ENSG00000295940	12	10358877	10358877	AC027020.1	lncRNA	0.088915842	0.041896411	0.057407111	0.68939010	0.178986410	0.377200287	0.03723333	0.76448403	0.19430784	0.16717224	0.125995938	0.125995938			

ENSG0000023610	1	2370901	2372786	ELCA-AS1	lncRNA	0.03744582	0.74514263	0.19877237	0.16640784	0.07308031	0.17175648	0.2033691	0.30895527	-0.03951871	0.79633244	0.12267339	0.57110060	0.02693682	0.85430206
ENSG0000027229	19	1764146	1761871	CCND3-3	lncRNA	-0.16673788	0.4741729	-0.03743769	0.18841371	0.08421772	0.17776971	0.23073723	0.07147796	-0.23073723	0.07147796	0.12269311	0.57110060	0.02693682	0.85430206
ENSG0000027449	19	8611416	8611416	AC021617.7	lncRNA	-0.02441768	0.99999999	0.00000000	0.00000000	-0.03411407	0.27769971	0.00000000	0.00000000	-0.03411407	0.27769971	0.12269311	0.57110060	0.02693682	0.85430206
ENSG00000225707	19	5041149	5041149	FAT-1A	lncRNA	0.12886181	0.26403272	0.07452053	0.05971720	0.02260146	0.16763032	0.02260146	0.16763032	0.02260146	0.16763032	0.12269311	0.57110060	0.02693682	0.85430206
ENSG00000266455	20	4694243	4718844	PRKACB	protein coding	-0.28127265	0.01202702	0.03351038	0.19794483	0.22269376	0.25001446	-0.02523101	0.88999330	-0.14344404	0.08999330	0.12240708	0.57110060	0.02693682	0.85430206
ENSG00000272790	20	19522790	19522790	LOC101921	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.12269311	0.57110060	0.02693682	0.85430206	
ENSG00000272593	17	3876589	3876589	PM2K	protein coding	0.21527873	0.05534379	0.20355400	0.15098371	0.11674516	0.41741883	0.15098371	0.41741883	0.15098371	0.41741883	0.12269311	0.57110060	0.02693682	0.85430206
ENSG00000210887	11	1917473	1917473	PRKACB	protein coding	0.27125304	0.00170226	0.26711678	0.06707453	0.01746518	0.83133644	0.3401969	0.07794262	0.23119840	0.08929275	0.12248404	0.57110060	0.02693682	0.85430206
ENSG00000287119	1	1674565	1674565	LOC101921	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.12269311	0.57110060	0.02693682	0.85430206	
ENSG00000110892	1	14792393	14792393	GPR88	protein coding	0.04292300	0.17348109	0.19548569	0.17392340	0.00735552	0.17392340	0.00735552	0.17392340	0.00735552	0.17392340	0.12240708	0.57110060	0.02693682	0.85430206
ENSG00000228989	14	9742648	9742648	LOC101921	lncRNA	-0.10849388	0.34799071	-0.10849388	0.34799071	0.02114454	0.10849388	-0.10849388	0.34799071	-0.10849388	0.34799071	0.12240708	0.57110060	0.02693682	0.85430206
ENSG00000144935	3	14272404	14280788	TRPC1	protein coding	-0.02689477	0.38893743	-0.02689477	0.38893743	0.10581834	0.45448807	0.10581834	0.45448807	0.10581834	0.45448807	0.12269311	0.57110060	0.02693682	0.85430206
ENSG00000104371	8	42374963	42372729	DNKX4	protein coding	-0.10364188	0.34733484	-0.10364188	0.34733484	0.18019944	0.34548102	-0.33474426	0.07884365	-0.13511056	0.33006881	0.12240708	0.57110060	0.02693682	0.85430206
ENSG00000117620	1	9969351	10003584	SC3C53	protein coding	0.04031174	0.89557429	0.04784734	0.87952808	0.02782838	0.18173442	-0.00324204	0.98805441	-0.00732500	0.85023420	0.12240708	0.57110060	0.02693682	0.85430206
ENSG00000112138	9	1358248	13584968	ORP2A	protein coding	-0.24811451	0.00787181	-0.1029083	0.17696901	-0.25994241	0.19308301	-0.21371073	0.20712108	-0.30813388	0.04836909	0.12240708	0.57110060	0.02693682	0.85430206
ENSG00000185189	8	14333383	14348973	NRP2	protein coding	-0.16195948	0.15649121	-0.06488050	0.56441048	-0.07975858	0.62988324	0.02641156	0.75712681	-0.16843143	0.22424478	0.12231082	0.57110060	0.02693682	0.85430206
ENSG00000185289	7	8165297	8196180	NOTU10	protein coding	-0.10269663	0.35732292	-0.0574441	0.70061380	-0.15068151	0.43962050	-0.10748333	0.92608412	-0.17085517	0.21726201	0.12230712	0.57110060	0.02693682	0.85430206
ENSG00000252503	4	13869576	13869576	PRK-51P	lncRNA	-0.24811451	0.17348109	-0.24811451	0.17348109	0.10581834	0.45448807	0.10581834	0.45448807	0.10581834	0.45448807	0.12269311	0.57110060	0.02693682	0.85430206
ENSG00000280356	22	34641179	34651862	AL011877.2	lncRNA	-0.22387814	0.04527323	-0.09820874	0.54243015	-0.13087644	0.50170349	-0.18608109	0.32898003	-0.20443147	0.14007766	0.12219544	0.57110060	0.02693682	0.85430206
ENSG00000184817	20	4648481	4648426	ZNF84P	unprocessed protein coding	-0.05457698	0.37340426	-0.05457698	0.37340426	-0.04889788	0.38412548	-0.02629420	0.8032004	-0.02629420	0.8032004	0.12219544	0.57110060	0.02693682	0.85430206
ENSG00000101194	MT	14674	14742	MT-1B	lncRNA	-0.19171093	0.03762292	-0.17002738	0.27629222	0.227416913	0.23581918	-0.40234044	0.00748641	-0.38494781	0.00912137	0.12216458	0.57110060	0.02693682	0.85430206
ENSG00000116774	1	11397931	11403572	CFM-3P	lncRNA	-0.25188401	0.02723101	-0.09453208	0.51374121	-0.10185790	0.42805501	-0.28675202	0.17882310	-0.36837326	0.10523445	0.12213445	0.57110060	0.02693682	0.85430206
ENSG00000198483	1	14589956	14589858	ORP3D5	protein coding	-0.25172771	0.02723101	-0.07891445	0.88929787	-0.02114454	0.08451128	-0.38917858	0.04262892	-0.45904589	0.00473449	0.12210620	0.57110060	0.02693682	0.85430206
ENSG00000221151	2	17298951	17298914	AC011917.1	lncRNA	-0.01371781	0.98207161	-0.11379228	0.41371615	-0.00511403	0.97397894	-0.08982626	0.67130224	-0.03814745	0.77119221	0.12204925	0.57110060	0.02693682	0.85430206
ENSG00000198246	10	7131929	7131423	LOC101921	lncRNA	0.05941937	0.60771523	0.09992142	0.88929787	0.06265713	0.75621408	0.01460363	0.94236698	-0.03216887	0.17415444	0.12205772	0.57110060	0.02693682	0.85430206
ENSG00000199992	16	2995715	3000783	INDBE	protein coding	-0.10591127	0.33831732	-0.05752888	0.88837280	0.12037444	0.84939112	-0.14241678	0.47855734	-0.18358487	0.18373456	0.12202581	0.57110060	0.02693682	0.85430206
ENSG00000227174	5	7489983	7489784	AC010911.2	lncRNA	-0.11177754	0.92318946	-0.07620782	0.50402924	-0.20787008	0.29813389	-0.01162165	0.95896918	-0.07190343	0.60901711	0.12203868	0.57110060	0.02693682	0.85430206
ENSG00000225791	6	5276787	5284308	TRAC1-AS1	lncRNA	-0.18048887	0.16322781	-0.04370425	0.76288400	-0.08159992	0.18599282	-0.18889259	0.92584714	-0.20398875	0.12819310	0.12200805	0.57110060	0.02693682	0.85430206
ENSG00000225791	6	5276787	5284308	TRAC1-AS1	lncRNA	-0.18048887	0.16322781	-0.04370425	0.76288400	-0.08159992	0.18599282	-0.18889259	0.92584714	-0.20398875	0.12819310	0.12200805	0.57110060	0.02693682	0.85430206
ENSG00000104825	19	3899700	3898933	NFKB1	protein coding	0.07481203	0.51786555	-0.06134827	0.89471238	0.03861128	0.84482388	-0.10671860	0.56624454	-0.11600415	0.40352722	0.12201572	0.57110060	0.02693682	0.85430206
ENSG00000242902	7	12895102	12886226	FLNC-AS1	lncRNA	-0.10374189	0.36925258	-0.01252051	0.82942689	-0.26310442	0.14885814	-0.10747761	0.91415143	-0.16024359	0.24707111	0.12193626	0.57110060	0.02693682	0.85430206
ENSG00000197101	21	16984000	16984000	LOC101921	lncRNA	-0.02891813	0.85992472	-0.02891813	0.85992472	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.12200805	0.57110060	0.02693682	0.85430206	
ENSG00000241282	19	22699352	22699352	RRF-3AP3	lncRNA	0.05688187	0.62255458	0.01909571	0.89247811	0.11344585	0.87155502	0.03268351	0.87143553	-0.11358602	0.41379908	0.12197512	0.57110060	0.02693682	0.85430206
ENSG00000240001	6	13724798	13875843	LCN8	protein coding	-0.1111508	0.14871297	-0.08121493	0.85208787	-0.02138270	0.10413872	-0.11241573	0.27735778	-0.20254520	0.06626281	0.12197512	0.57110060	0.02693682	0.85430206
ENSG00000208621	12	9431417	9431417	LOC101921	lncRNA	-0.21943013	0.16192249	-0.16291081	0.16291081	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.24512501	0.00000000	0.12196418	0.57110060	0.02693682	0.85430206
ENSG00000216306	12	9431417	9431417	KR1182	transcribed unprocessed	-0.18844749	0.10000219	-0.05503216	0.74025972	-0.32643860	0.26781367	-0.27241670	0.26087812	-0.52462483	0.12182141	0.57110060	0.02693682	0.85430206	
ENSG00000227253	10	3206298	3206294	AL15834.2	lncRNA	-0.13490763	0.24317938	-0.02473584	0.84660330	-0.24388447	0.22178899	-0.04273895	0.83375999	-0.21095642	0.12800300	0.12186372	0.57110060	0.02693682	0.85430206
ENSG00000192024	20	1987439	1987670	SDS-1	protein coding	-0.21545572	0.06011824	-0.04545841	0.72722290	-0.19151083	0.33862669	-0.22334754	0.26282703	-0.18879203	0.04891709	0.12182141	0.57110060	0.02693682	0.85430206
ENSG00000276519	16	8189748	8189601	AC092142.2	lncRNA	-0.19128245	0.90207781	-0.05241414	0.72897161	-0.25816152	0.19885584	-0.10338498	0.60784400	-0.04581727	0.74000308	0.12183657	0.57110060	0.02693682	0.85430206
ENSG00000194186	19	14143455	14143795	AC108003.4	lncRNA	-0.29682770	0.07770075	-0.10744102	0.84911817	-0.36714400	0.00503343	-0.32714041	0.05877801	-0.41110733	0.02800158	0.12180492	0.57110060	0.02693682	0.85430206
ENSG00000287440	1	1502029	1502029	AC045728.2	transcribed unprocessed	0.10642													

ENSG0000022659	X	13098190	13105840	LINC0201	lincRNA	-0.23702988	0.03736602	0.00941211	0.94827470	0.35258391	0.07258188	-0.20203786	0.31220083	-0.38673614	0.00387607	0.11606848	0.59792844	0.22366419	0.11843077
ENSG0000022660		9214400	9216770	LLGL1-AS1	antisense RNA	-0.28911618	0.01070266	0.05287214	0.7156393	0.34843078	0.05661752	-0.20272691	0.31307872	-0.37869117	0.00411269	0.11506291	0.59792844	0.22366419	0.11843077
ENSG0000022661		9400148	9401984	RAB29B	mRNA	-0.19820425	0.04242379	0.01321216	0.76993151	0.24220813	0.25941853	-0.00280906	0.96726868	-0.18332749	0.18453230	0.11603831	0.59802400	0.117304201	0.22640302
ENSG0000022662		3136787	3137608	LLGL1-AS2	antisense RNA	-0.19804163	0.04477993	0.01317195	0.85522700	0.16901074	0.36973530	-0.00600361	0.87626628	-0.1312078	0.32244467	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022663		13098190	13105840	LLGL1-AS3	antisense RNA	-0.19804163	0.04477993	0.01317195	0.85522700	0.16901074	0.36973530	-0.00600361	0.87626628	-0.1312078	0.32244467	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022664		133321812	13332877	ANHX	protein coding	-0.2928447	0.0140793	0.01513441	0.91592633	0.26187267	0.11874863	-0.07628672	0.87626628	-0.30233265	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022665		10368410	10374349	CAZACAP3	unprocessed pseudogene	-0.16013318	0.1641273	0.01781867	0.90543598	0.24336971	0.21199889	-0.16955122	0.34362076	-0.292973	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022666		12971526	12971526	MAN1B1-IT1	antisense RNA	-0.11885078	0.01781867	0.01781867	0.90543598	0.24336971	0.21199889	-0.16955122	0.34362076	-0.292973	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022667		12981151	12981151	UNCG0398.1	transcribed unprocessed pseudogene	-0.2624447	0.01781867	0.01781867	0.90543598	0.24336971	0.21199889	-0.16955122	0.34362076	-0.292973	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022668		2189112	2205139	LINC0190	mRNA	0.05949498	0.00789034	0.15396765	0.28999250	0.24246748	0.18748738	-0.07199152	0.17012926	-0.16955122	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022669		2204918	2207958	LINC0246	mRNA	0.01949847	0.04671389	0.01678223	0.87029222	0.24283119	0.14392029	-0.08719526	0.07076288	-0.16955122	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022670		4828887	4828888	Y RNA	misc RNA	-0.02480605	0.13109793	0.08121519	0.93752847	0.31875652	0.07076288	-0.07058035	0.17264072	-0.24630158	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022671		2720116	2745747	ENCO038.4	protein coding	-0.18321262	0.11071023	0.04407727	0.73920024	0.21539974	0.28012962	-0.01590991	0.94814481	-0.22212630	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022672		4931081	4931081	ENCO039.1	protein coding	-0.06381001	0.08918718	0.02918474	0.78496981	0.00147458	0.49416847	-0.27898436	0.15877302	-0.19397152	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022673		3908116	3947717	MACP1	protein coding	0.29593128	0.00897911	0.26647472	0.97046127	0.16727941	0.27448573	-0.36394778	0.01679343	-0.29421764	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022674		1008135	1012934	ENCO743.01	transcribed unprocessed pseudogene	-0.11286882	0.32048071	0.21807710	0.53041464	0.07781538	0.09696492	-0.37638893	0.00899331	-0.16262877	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022675		6436914	6446461	PKOX	protein coding	-0.07098507	0.02073923	0.02073923	0.86261156	0.09299497	0.90112107	-0.11381293	0.55673007	-0.14479204	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022676	X	10091108	10093991	TSPAN6	protein coding	-0.25397418	0.03083454	0.00811551	0.90145123	0.20645341	0.30471058	-0.0714058	0.11842618	-0.37137929	0.00373263	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022677		17615150	17615230	HDXN	protein coding	-0.09653442	0.38960229	0.12679595	0.80323848	-0.0733763	0.10484044	-0.15291233	0.10503331	-0.13481192	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022678		12497156	12497391	ZNF571	protein coding	-0.14000178	0.222291	0.00574762	0.90087555	0.23984377	0.30781199	-0.18071448	0.36969052	-0.19702762	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022679		12982188	12982664	ENCO551.1	transcribed unprocessed pseudogene	-0.30681777	0.02664158	0.17334578	0.28212685	0.20114963	0.36246481	-0.36298411	0.02755825	-0.17718151	0.00439384	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022680		11754279	11754279	OTOD	protein coding	-0.33720332	0.0207294	0.01074987	0.84572748	0.38444928	0.04448988	-0.30417881	0.02330038	-0.48980188	0.00481338	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022681		4926218	4926218	ALX4SAS1	transcribed unprocessed pseudogene	-0.2929268	0.01624497	0.12595924	0.37039183	0.29313859	0.13781328	-0.2807178	0.14117128	-0.17292001	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022682		1620271	1620271	ENCO163.2	TEC	0.05420037	0.03819703	0.16928401	0.23868588	0.00452487	0.98198081	-0.193294	0.32330308	0.0272042	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022683		15224919	15228787	LINC01487	transcribed unprocessed pseudogene	-0.13879887	0.22895738	0.03383110	0.83316238	0.20927487	0.30297375	-0.12785158	0.25998861	-0.18855206	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022684		1693916	1694464	ENCO169.1	transcribed unprocessed pseudogene	-0.07828128	0.04914567	0.11174718	0.84973124	0.09840704	0.06711254	-0.08993891	0.85622428	-0.03018209	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022685		7381363	7381363	COE1	protein coding	0.2834451	0.15465072	0.13324151	0.88316268	-0.2847487	0.15076703	-0.116911278	0.61389204	-0.20521914	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022686		8602481	8604489	ENCO038.4	protein coding	0.35454452	0.01624497	0.08832738	0.54323842	0.52363535	0.05951052	0.01641168	0.93245204	0.98425538	0.003001443	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022687		1319691	1319691	ENCO121.1	transcribed unprocessed pseudogene	-0.22370477	0.00916504	0.05050831	0.72788100	0.10251187	0.10888182	-0.04849585	0.78858904	-0.18588816	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022688		1379040	1379040	PRP39	protein coding	-0.23270477	0.00916504	0.05050831	0.72788100	0.10251187	0.10888182	-0.04849585	0.78858904	-0.18588816	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022689		5762984	5763112	ALX1502.01	transcribed unprocessed pseudogene	-0.11027448	0.33998467	0.18837449	0.19167833	0.08704202	0.73899294	-0.27348515	0.16277203	-0.13112074	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022690		1517878	1517878	ENCO121.1	transcribed unprocessed pseudogene	-0.11027448	0.33998467	0.18837449	0.19167833	0.08704202	0.73899294	-0.27348515	0.16277203	-0.13112074	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022691		2153847	2153847	AC005632.4	transcribed unprocessed pseudogene	-0.25847454	0.08885703	0.01505477	0.91758353	0.13374161	0.5060147	-0.09000326	0.73019878	-0.23136839	0.004971663	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022692		9100658	9100658	FBP1	protein coding	-0.06622033	0.56713449	0.02712111	0.84379889	0.00095704	0.98671724	-0.15447268	0.44194737	-0.04397643	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022693		1117477	1117477	ENCO121.1	transcribed unprocessed pseudogene	-0.11027448	0.33998467	0.18837449	0.19167833	0.08704202	0.73899294	-0.27348515	0.16277203	-0.13112074	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022694		4643129	4644243	FAHP1	transcribed unprocessed pseudogene	-0.11079178	0.33743525	0.16668588	0.94791723	0.15893278	0.42846959	-0.2007957	0.37101329	-0.11360301	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022695		79050919	79059753	ENCO429.1	transcribed unprocessed pseudogene	-0.18291482	0.11511279	0.12730230	0.97832100	-0.16022524	0.42471941	-0.24810788	0.21209513	-0.18922844	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022696		3868534	3868703	FAM158P	protein coding	-0.24711461	0.03266411	0.00326641	0.98285532	-0.20009531	0.70170759	-0.23518931	0.23768047	-0.38383887	0.00313568	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022697		2456607	2456887	AC005632.5	transcribed unprocessed pseudogene	-0.18898977	0.08980473	0.21944949	0.14284137	0.07588778	0.70671638	-0.14175281	0.03042021	-0.22214461	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022698		1934024	1934024	ENCO121.1	transcribed unprocessed pseudogene	-0.11027448	0.33998467	0.18837449	0.19167833	0.08704202	0.73899294	-0.27348515	0.16277203	-0.13112074	0.01624497	0.11597824	0.59802400	0.117304201	0.22640302
ENSG0000022699		8754880	8754880	RPS145	protein coding	-0.11370508	0.32488021	0.18808317	0.148										

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and various numerical values. The table lists numerous genes such as ENG00000212607, ENG00000212608, etc., and their associated data points.

ENSG00000141026	17	17479994	17483211	MED1	protein coding	0.03371346	0.77095249	0.00530971	0.5326296	-0.037781	0.851864109	0.12184224	0.54489306	0.0404992	0.77370304	0.10616334	0.6297240	-0.0020094	0.98455038	
ENSG00000141027	3	9252599	9252600	112187	lncRNA	0.05362031	0.58246159	0.00300147	0.75752711	0.37643557	-0.0451	0.81845339	0.05413139	0.6632369	0.0004068	0.7000000	0.0000000	0.11526271	0.9204101	
ENSG00000141028	27	1366981	1366982	PRK2	protein coding	0.42734563	0.42734563	0.00000000	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563	0.42734563
ENSG00000281334	5	2413135	24271863	AC114930.1	lncRNA	-0.06270008	0.58794477	-0.13976287	0.33273047	0.18048103	0.70766243	-0.24384141	0.22017093	0.040399	0.76930696	0.10606428	0.83006154	0.01492786	0.91849623	
ENSG00000198341	11	12452631	12451909	PCP2	protein coding	-0.25112023	0.00363191	-0.01817228	0.52572413	-0.02827515	0.60498927	-0.26207461	0.31210669	0.2746792	0.04044481	0.0605701	0.0000000	0.25986967	0.68697073	
ENSG00000173801	17	10716320	10716320	AC00428.2	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000173801	17	10716320	10716320	JUP	protein coding	0.01048901	0.92785399	-0.07917615	0.48686183	-0.20191551	0.1892433	0.07880276	0.57515063	0.10603438	0.69314284	0.00000000	0.83014284	0.00000000	0.00000000	
ENSG0000019639	7	7859391	7859391	AC10310.2	lncRNA	-0.04537582	0.00529975	-0.02899576	0.65837619	0.17800494	0.43393454	-0.22572726	0.31089205	0.05408769	0.06789690	0.00000000	0.16717252	0.6301391	0.00000000	
ENSG0000019639	7	7859391	7859391	AC02910.6	lncRNA	0.04573762	0.96850507	-0.05251731	0.48686183	0.17800494	0.43393454	-0.22572726	0.31089205	0.05408769	0.06789690	0.00000000	0.16717252	0.6301391	0.00000000	
ENSG00000178885	8	14397713	14401272	PARP10	protein coding	0.02775554	0.81431242	-0.02240505	0.74898316	0.37870118	0.05142783	0.01400259	0.94473489	0.14694704	0.28992979	0.05959305	0.00000000	0.63004421	0.00000000	
ENSG00000198951	9	10562457	10562457	TAL2	protein coding	-0.18621118	0.23746034	-0.04199927	0.73926251	0.33851199	0.46982626	0.06261104	0.86748912	-0.15082283	0.27892024	0.05841369	0.00000000	0.00000000	0.00000000	
ENSG0000029593	4	20329471	20329471	NPI140	protein coding	0.01668004	0.86703971	0.10084975	0.46982626	0.14785193	0.81841814	0.02927691	0.88926018	0.05989833	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000054054	8	1790494	17909811	AC082773.2	lncRNA	0.02775554	0.81431242	-0.02240505	0.74898316	0.37870118	0.05142783	0.01400259	0.94473489	0.14694704	0.28992979	0.05959305	0.00000000	0.63004421	0.00000000	
ENSG00000281542	7	14842267	14842267	AC073534.1	lncRNA	-0.27088199	0.01739504	-0.03630560	0.68175898	0.36327513	0.02668118	-0.12607816	0.53026729	-0.34717352	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000281542	7	14842267	14842267	AC073534.1	lncRNA	-0.27088199	0.01739504	-0.03630560	0.68175898	0.36327513	0.02668118	-0.12607816	0.53026729	-0.34717352	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000184330	1	153416320	15342322	S100TA9	protein coding	-0.15953605	0.16571314	0.11444381	0.42872317	0.03000353	0.88811427	-0.01842916	0.92730476	-0.23891516	0.08188110	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG0000024789	9	129640476	129641282	AC105989.1	lncRNA	-0.18011808	0.11721508	-0.08950414	0.68141613	0.26580861	0.17977898	-0.18141800	0.36513707	-0.24198473	0.07744032	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG0000025500	9	3698149	3698149	HPSE1P3	protein coding	0.03066509	0.79126192	-0.07271887	0.41839719	0.29259065	0.20273379	-0.020639	0.87187408	-0.020639	0.87187408	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000100031	22	24594811	24594811	SGT1	protein coding	-0.25071068	0.02252926	-0.18419338	0.60317418	0.20071178	0.25846710	-0.49831058	0.00646191	-0.43301473	0.01043371	0.08973369	0.00000000	0.00000000	0.00000000	
ENSG0000012232	20	1786270	17862490	SNORD17	lncRNA	-0.04774474	0.15220400	-0.12841732	0.37932557	-0.27007994	0.17300763	-0.27038922	0.17213763	0.00103975	0.82891197	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG0000026948	1	591179	669295	AC10326.1	lncRNA	-0.11632111	0.33376790	-0.02045128	0.86905203	-0.18911999	0.18911222	0.06519491	0.74664828	-0.07115569	0.22717807	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000250420	5	17878481	178781435	AC105481.1	lncRNA	-0.21842888	0.06437121	-0.05142483	0.70891389	0.14461710	0.18718109	-0.14461710	0.18718109	-0.22248406	0.08091132	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000132920	2	8612623	8612421	PTCD3	protein coding	-0.04982605	0.6896451	-0.10893594	0.45181742	0.22381462	0.25834854	-0.06156979	0.75431303	-0.08429914	0.54337001	0.0578399	0.00000000	0.00000000	0.00000000	
ENSG00000111331	12	12538444	11927125	CAK3	protein coding	0.05048728	0.89311324	-0.15983978	0.40710291	0.14023261	0.46429174	-0.10269703	0.61500738	0.18742954	0.17423269	0.0574743	0.05888172	0.00000000	0.00000000	
ENSG0000022895	24	542682	541104	LINC00658	lncRNA	-0.1790103	0.11927805	-0.01578789	0.48277260	0.88514908	0.01427483	-0.30287817	0.14265319	-0.2240718	0.09616705	0.10570734	0.14265319	0.05888172	0.00000000	
ENSG0000028138	12	3725718	372782	AC02607.1	lncRNA	-0.04265401	0.88595717	-0.02268844	0.89554534	0.04895920	0.80944862	-0.14186348	0.48028230	-0.1341606	0.33381163	0.0574884	0.08109688	0.00000000	0.00000000	
ENSG0000027072	10	1072066	10994492	ALRN403.2	lncRNA	-0.20809595	0.01338929	-0.00922738	0.84932963	0.29543786	0.13378022	-0.12233805	0.54503321	-0.3521969	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000108841	17	19343308	19318713	BDP1	protein coding	-0.24842748	0.00241062	-0.04573448	0.72421914	0.38457398	0.01476928	-0.18226989	0.34448234	-0.04984015	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000137842	15	4312376	4318144	TMEM2	protein coding	0.05409158	0.67135382	-0.10197116	0.48102478	0.12177108	0.41145535	0.14457389	0.47183197	0.07662878	0.58115719	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000137019	19	1000000	1000000	AC10326.1	lncRNA	-0.11632111	0.33376790	-0.02045128	0.86905203	-0.18911999	0.18911222	0.06519491	0.74664828	-0.07115569	0.22717807	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000207507	19	803444	833950	RNL9.9	lncRNA	0.12658189	0.27459028	0.19920128	0.48516714	0.08237764	0.52419554	0.28687874	0.14725540	0.08145127	0.24891732	0.1056453	0.0614911	0.00000000	0.00000000	
ENSG00000234239	1	46511039	46511826	AC104028.2	lncRNA	0.06344077	0.58955433	-0.01173559	0.59351554	-0.00929221	0.29261827	-0.13812759	0.49189334	-0.00799077	0.95934764	0.10581774	0.03144527	0.14650759	0.30991758	
ENSG00000288547	1	9202892	9202892	AC10326.1	lncRNA	-0.11632111	0.33376790	-0.02045128	0.86905203	-0.18911999	0.18911222	0.06519491	0.74664828	-0.07115569	0.22717807	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000130751	16	105031778	105031778	NPAS1	protein coding	-0.25140458	0.02726989	-0.13969639	0.58242820	-0.02963241	0.16930702	-0.33484313	0.08351446	-0.32142910	0.01431222	0.08981173	0.05888172	0.00000000	0.00000000	
ENSG00000252417	4	160331778	16033266	LINC01559	lncRNA	-0.12013469	0.20177284	-0.03848546	0.71034611	-0.04749998	0.14311149	-0.00704201	0.68957272	-0.2447275	0.02646276	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000131688	13	1000000	1000000	AC10326.1	lncRNA	-0.11632111	0.33376790	-0.02045128	0.86905203	-0.18911999	0.18911222	0.06519491	0.74664828	-0.07115569	0.22717807	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000281317	1	21144224	21144284	ARPC3P2	protein coding	0.02075995	0.80717781	-0.10544284	0.68441402	0.07517944	0.70338862	-0.15930296	0.42274166	0.06257881	0.63057631	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000255345	11	7692628	7690800	AC02957.1	lncRNA	-0.24375098	0.03391984	-0.09464074	0.51137108	-0.02685774	0.79410002	-0.25426661	0.19848149	-0.26898943	0.04997741	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000250307	10	9202892	9202892	AC10326.1	lncRNA	-0.11632111	0.33376790	-0.02045128	0.86905203	-0.18911999	0.18911222	0.06519491	0.74664828	-0.07115569	0.22717807	0.05888172	0.00000000	0.00000000	0.00000000	
ENSG00000102901	16	67828157	67847811	CENP1	protein coding	-0.24001314	0.05018108	-0.05866315	0.96888390	-0.00569777	0.77753104	-0.15761049	0.43270498	-0.26263974	0.01924541	0.0540103	0.00000000	0.00000000	0.00000000	
ENSG00000182405	15	34100883																		

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Type. Contains a comprehensive list of genes and their genomic coordinates.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Description, RefSeq Accession, RefSeq Description, RefSeq Accession, RefSeq Description. The table lists numerous genes and their associated genomic coordinates and features.

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Transcription Start Site, Strand, RefSeq ID, Gene Name, Transcription Start Site, Strand. Contains genomic coordinates and gene annotations for various genes like AC019754, AC019755, AC019756, etc.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Link. Contains genomic coordinates and gene annotations for various genes like PRDM14, PTPN22, and others.

Table with columns for gene ID, chromosome, coordinates, gene name, and protein name. The table lists numerous genes and their corresponding protein products, such as ENG00000196131, ENG00000196132, etc., and proteins like VNR2, VNR3, VNR4, etc.

ENSG00000154333	11	12509645	12511767	TMEM17B	protein coding	-0.08971868	0.437702087	-0.03734338	0.7958000	0.26499759	0.30411087	-0.16571879	0.40869923	-0.11474731	0.40667877	0.08100734	0.13229273	-0.04202976	0.78113433
ENSG0000018266	6	75133	75133	ALB	mRNA	-0.35020921	0.02767267	-0.07123289	0.78535104	0.36531375	0.44025441	-0.24878111	0.21084466	-0.44827073	0.00070297	0.09999756	0.11327103	-0.35262311	0.01010001
ENSG00000148123	10	103134	103134	PLT	protein coding	-0.24286861	0.02466159	-0.07123289	0.78535104	0.36531375	0.44025441	-0.24878111	0.21084466	-0.44827073	0.00070297	0.09999756	0.11327103	-0.35262311	0.01010001
ENSG00000206166	16	8808724	8808970	AC13412.3	mRNA	-0.07328424	0.52284244	-0.02752767	0.68688933	0.12811538	0.32406634	-0.18711913	0.27545979	-0.10592921	0.20020320	0.07891715	0.15240227	-0.00738922	0.99593651
ENSG00000206166	16	2874429	2880773	AC10946.3	mRNA	-0.04230272	0.14738314	-0.03023257	0.75119885	0.10010326	0.35959268	-0.11564969	0.27276916	-0.1172209	0.27442633	0.0888241	0.036627	-0.00846161	0.9841353
ENSG00000142096	7	433364470	433364470	ITGB3	protein coding	-0.173138	0.02596761	-0.03023257	0.75119885	0.10010326	0.35959268	-0.11564969	0.27276916	-0.1172209	0.27442633	0.0888241	0.036627	-0.00846161	0.9841353
ENSG00000223737	3	40131302	40433329	ENTPD3	mRNA	-0.05401073	0.40481554	-0.04799481	0.60113627	0.11362977	0.35951442	-0.23170303	0.29551143	-0.12828617	0.26420588	0.08888413	0.13186601	-0.0068402	0.98226693
ENSG00000223738	3	24131589	24131589	NOB55A.1	mRNA	-0.25668742	0.04212559	-0.20814859	0.44559179	0.17286692	0.37389167	-0.40128787	0.03598168	-0.26878394	0.04526617	0.08402427	0.1386033	-0.18847876	0.18611603
ENSG00000223955	22	4443937	4444478	ITGB3	protein coding	-0.173138	0.02596761	-0.03023257	0.75119885	0.10010326	0.35959268	-0.11564969	0.27276916	-0.1172209	0.27442633	0.0888241	0.036627	-0.00846161	0.9841353
ENSG00000134282	1	1138994.1	11396201.1	APAB1	mRNA	-0.00798517	0.43222959	-0.05913527	0.68406363	0.12339890	0.35755524	-0.04509853	0.27858144	-0.04509853	0.17666314	0.08979343	0.1386033	-0.18847876	0.18611603
ENSG00000198476	20	270983	260778	Cd59re1	protein coding	-0.22813251	0.00370263	-0.04871973	0.68262876	0.13801161	0.31963951	-0.30317026	0.18752629	-0.11562620	0.23996269	0.08979343	0.1386033	-0.18847876	0.18611603
ENSG00000153899	9	11787489	11771077.2	CD59	protein coding	-0.10582443	0.35876438	-0.12328671	0.63937476	0.10391281	0.30689848	-0.19701773	0.32426254	-0.18383983	0.17428984	0.08979343	0.1386033	-0.18847876	0.18611603
ENSG00000232989	3	3303383	3304810	SC1P1	processed pseudogene	-0.20102229	0.07822849	-0.18132201	0.54105733	0.20323546	0.24791573	-0.06489814	0.17477697	-0.23580783	0.04866307	0.08828205	0.11237604	-0.02139815	0.11237604
ENSG00000169347	16	2035874	2037269	CD27	protein coding	-0.24242898	0.03738974	-0.02891248	0.81190771	0.10763711	0.30995582	-0.1803386	0.69327263	-0.25923121	0.08958691	0.08684001	0.14444201	-0.02213921	0.05893332
ENSG00000183024	2	11051182	11057175	PCBP2	protein coding	-0.09237689	0.4242449	-0.03186959	0.80289873	0.29724683	0.17774665	-0.11691145	0.35140112	-0.04989274	0.27447881	0.089634	0.1744845	-0.13244765	0.02810687
ENSG00000235707	7	7540189	7542992	AL15073.1	processed pseudogene	-0.25783785	0.02537807	-0.18132201	0.54105733	0.20323546	0.24791573	-0.06489814	0.17477697	-0.23580783	0.04866307	0.08828205	0.11237604	-0.02139815	0.11237604
ENSG00000230783	3	4444848	4449606	AC10946.3	processed pseudogene	-0.02426989	0.26396521	-0.05597097	0.71072790	0.02281541	0.30607189	-0.03847963	0.4848729	-0.08844877	0.11911116	0.08641439	0.14533156	-0.03762589	0.10787258
ENSG00000133142	1	10376701	10394772	TCF4L	protein coding	-0.1658153	0.15774766	-0.17145053	0.53401461	0.29094078	0.11572069	-0.16700005	0.20522522	-0.16991371	0.14718036	0.09529311	0.11569041	-0.13305007	0.3692474
ENSG00000210178	X	15448317	15448681	URLA4	protein coding	-0.01106746	0.9238971	-0.10474783	0.70788430	0.10474783	0.58301894	-0.35810000	0.99982808	-0.02130517	0.07846278	0.11463114	-0.03109911	0.83072519	0.07872589
ENSG00000171124	19	254288	861474	FUT3	protein coding	-0.23097182	0.02294764	-0.05871931	0.70331201	0.22677678	0.25346163	-0.19443441	0.31888263	-0.28727077	0.01021328	0.08888841	0.17447344	-0.20119015	0.06794821
ENSG00000270208	17	49407602	49407602	AC015656.1	mRNA	-0.18351001	0.01074369	-0.07432670	0.78632897	0.04287043	0.30766663	-0.11196453	0.37627120	-0.24414602	0.05602978	0.1054387	0.14868651	-0.22466959	0.11677411
ENSG00000207743	12	2538670	2538670	AC017336.1	mRNA	-0.18627000	0.02371366	-0.03653442	0.64395859	0.18677485	0.35784113	-0.10520995	0.35220995	-0.24677471	0.02024027	0.08851877	0.11694122	-0.14887778	0.22454774
ENSG00000309051	14	9848118	9850354	CANK	protein coding	-0.04848522	0.57373138	-0.05898574	0.64890390	0.34477178	0.07496052	-0.11575523	0.56518044	-0.05330373	0.10453578	0.08020222	0.15007469	-0.11708795	0.14180333
ENSG00000269056	4	4330392	4332131	TET1	protein coding	-0.33089162	0.00331844	-0.07078392	0.5981151	0.10767329	0.32516258	-0.19787171	0.45021622	-0.30278954	0.03033026	0.08249748	0.15295845	-0.37070545	0.03818194
ENSG00000231890	2	13588716	13620253	DRNS-AS1	mRNA	-0.15079784	0.12776533	-0.11445476	0.62890897	0.18685748	0.39784548	-0.21258211	0.14598154	-0.20252228	0.11084342	0.14218176	-0.16834421	0.24255332	0.04255332
ENSG00000284785	17	1973792	1973854	AC057224	mRNA	-0.23622685	0.03884888	-0.14742825	0.58077281	0.22722298	0.25426122	-0.30597078	0.1894724	-0.2929337	0.00181838	0.04849655	0.15098124	-0.20888221	0.14703212
ENSG00000189818	21	1885778	1888784	PPP4R2	processed pseudogene	-0.18943836	0.00128653	-0.14911678	0.51314422	0.04193338	0.20286468	-0.19809255	0.32073171	-0.14140821	0.00189765	0.08708774	0.17427891	-0.04949213	0.10384658
ENSG00000132485	4	7055541	7058187	JCHN	protein coding	-0.12533443	0.2718229	-0.01194402	0.93575978	0.12030792	0.4402615	-0.07627690	0.70578903	-0.12628179	0.35306389	0.08132545	0.15209781	-0.19287784	0.01867225
ENSG00000131071	1	10376701	10394772	TCF4L	protein coding	-0.1658153	0.15774766	-0.17145053	0.53401461	0.29094078	0.11572069	-0.16700005	0.20522522	-0.16991371	0.14718036	0.09529311	0.11569041	-0.13305007	0.3692474
ENSG00000245888	12	5408118	54126429	AC023794.2	mRNA	-0.07383118	0.53381187	-0.07338117	0.61254289	0.10771260	0.37023983	-0.10688379	0.44195163	-0.08131213	0.15658316	-0.1006886	0.45509424	-0.08131213	0.15658316
ENSG00000245917	12	1848554	1850288	AC023453	mRNA	-0.07634027	0.49485453	-0.02588443	0.51810878	0.21995804	0.13942598	-0.3881116	0.05849151	-0.05883908	0.07220044	0.08130302	0.12272004	-0.05179530	0.07713914
ENSG00000248765	1	10376701	10394772	TCF4L	protein coding	-0.1658153	0.15774766	-0.17145053	0.53401461	0.29094078	0.11572069	-0.16700005	0.20522522	-0.16991371	0.14718036	0.09529311	0.11569041	-0.13305007	0.3692474
ENSG00000158889	1	16112534	16120617	FRCR1G	protein coding	-0.12826617	0.25667173	-0.01804455	0.80527878	0.13778855	0.45113361	-0.10852159	0.50621948	-0.06887387	0.21936401	0.08223739	0.15665391	-0.38592529	0.05363079
ENSG00000235143	1	3038818	30396224	AC42535.1	mRNA	-0.24273508	0.04195889	-0.01673596	0.87801557	0.24251138	0.22207202	-0.16999106	0.39633096	-0.2685612	0.01729920	0.08212657	0.15011291	-0.22255462	0.11389554
ENSG00000110195	1	10376701	10394772	TCF4L	protein coding	-0.1658153	0.15774766	-0.17145053	0.53401461	0.29094078	0.11572069	-0.16700005	0.20522522	-0.16991371	0.14718036	0.09529311	0.11569041	-0.13305007	0.3692474
ENSG00000110144	20	5716873	5726641	BMPT	protein coding	-0.12347474	0.01039827	-0.07174917	0.67930508	-0.28605576	0.13029475	-0.3860984	0.00350793	0.08180331	0.16161191	0.10315104	-0.0334431	0.0334431	0.0334431
ENSG00000154016	17	1920256	1920711	GRAP	protein coding	-0.17192117	0.13585236	-0.01305971	0.82857868	0.33049881	0.12775551	-0.19302500	0.42774388	-0.11649685	0.09799292	0.08108173	0.16161191	-0.15139751	0.08219652
ENSG00000168610	1	10376701	10394772	TCF4L	protein coding	-0.1658153	0.15774766	-0.17145053	0.53401461	0.29094078	0.11572069	-0.16700005	0.20522522	-0.16991371	0.14718036	0.09529311	0.11569041	-0.13305007	0.3692474
ENSG00000201078	22	3705543	3705543	RNYSK214	mRNA	-0.06556480	0.15703518	-0.03511990	0.80761421	0.07864151	0.39648851	-0.13645252	0.49705332	-0.100843	0.46881826	0.08101725	0.17184107	-0.02145882	0.8842530
ENSG00000242327	15	5209256	5209547	AC020366.1	processed pseudogene	-0.12609341	0.247454137	-0.04102312	0.7772825	0.08218458	0.48382106	-0.06751538	0.77879613	-0.11584313	0.40417829	0.0806554	0.17460334	-0.12701534	0.23224123
ENSG00000129931	4	3423022	3423022	AC098581.1	processed pseudogene	-0.12609341	0.247454137	-0.04102312	0.7772825	0.08218458									

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature, Strand, Start, End, RefSeq ID, Gene Name, Feature, Strand, Start, End, RefSeq ID, Gene Name, Feature, Strand. Contains genomic coordinates and gene annotations for various genes like AC03834.2, AC03834.2, AC03834.2, etc.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. Contains a comprehensive list of genes and their associated features and identifiers.

Table with 10 columns: Gene ID, Chr, Pos, RefSeq ID, Gene Name, Feature, Start, End, Strand, and various numerical values. The table lists numerous genes such as ZSMWSP2, HSL1, RASGEF1B, etc., with their genomic coordinates and associated data points.

Table with 4 columns: Gene ID, Gene Name, Gene Type, and Gene Description. The table lists numerous genes such as APOO345.3, APOO345.3, APOO345.3, etc., with their corresponding IDs and descriptions.

ENSG0000021512	4	8846476	8871839	HBMX1	protein coding	-0.156653766	0.174644891	-0.08536735	0.55558472	0.124646459	0.36226967	-0.201428806	0.132217847	0.03533973	0.74202305	0.14393994	0.11863402	
ENSG0000069636	4	2167298	2173630	ITPR3	protein coding	0.200262752	0.061322778	0.26999200	0.44226231	0.02092021	0.03617370	0.86718738	0.25977871	0.06275604	0.03533362	0.74202305	0.14393994	0.11863402
ENSG0000147179	1	1167343	1170000	ITPR3	protein coding	-0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541
ENSG0000023430	21	3474577	3474848	ITPR3-AS1	lincRNA	-0.326266752	0.03781401	-0.02970175	0.84318813	-0.29834059	0.14323793	-0.08372400	0.68637800	-0.06407300	0.00273004	0.03287304	0.74202305	0.14393994
ENSG0000187362	9	1367187	1367187	ITPR3	protein coding	-0.09773739	0.30757819	0.02122979	0.86385460	-0.44411461	0.22527671	-0.07081019	0.72581011	-0.02519751	0.04184386	0.03527207	0.74202305	0.14393994
ENSG0000198178	15	14473753	14473753	ITPR3	protein coding	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541
ENSG0000074864	X	10156970	1027600	ITPR3	protein coding	-0.18145211	0.11447588	-0.1873405	0.46677158	-0.05117659	0.01969939	-0.40224800	0.03722620	-0.29212139	0.03021693	0.03524699	0.74202305	0.14393994
ENSG0000025170	10	1223424	1223424	ITPR3-AS2	lincRNA	0.01919202	0.06986613	0.01919202	0.06986613	0.01919202	0.06986613	0.01919202	0.06986613	0.01919202	0.06986613	0.01919202	0.06986613	0.01919202
ENSG0000196909	15	8269844	8269844	ITPR3-AS1	lincRNA	0.13782419	0.30746173	0.13782419	0.30746173	0.13782419	0.30746173	0.13782419	0.30746173	0.13782419	0.30746173	0.13782419	0.30746173	0.13782419
ENSG0000017828	2	7469717	7493316	ITPR3	protein coding	-0.23549513	0.03981039	0.02206823	0.89241873	-0.23549513	0.03981039	0.02206823	0.89241873	-0.23549513	0.03981039	0.02206823	0.89241873	0.03981039
ENSG0000077954	16	7620264	7620264	ITPR3-AS2	lincRNA	-0.04393891	0.07490139	-0.04393891	0.07490139	-0.04393891	0.07490139	-0.04393891	0.07490139	-0.04393891	0.07490139	-0.04393891	0.07490139	0.07490139
ENSG0000065190	13	9749388	9804294	ITPR3	protein coding	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541
ENSG00000199289	6	2651931	2651931	ITPR3	protein coding	0.07941461	0.49058257	0.07941461	0.49058257	0.07941461	0.49058257	0.07941461	0.49058257	0.07941461	0.49058257	0.07941461	0.49058257	0.49058257
ENSG0000013143	20	3628439	3671978	ITPR3	protein coding	0.04003363	0.24384498	0.04003363	0.24384498	0.04003363	0.24384498	0.04003363	0.24384498	0.04003363	0.24384498	0.04003363	0.24384498	0.24384498
ENSG0000069642	3	10148889	10167152	ZBTB11	protein coding	-0.15133737	0.19830293	0.03407038	0.12607702	0.42115349	0.03696688	0.80899278	0.37011026	0.22510177	0.01819258	0.03127058	0.74784065	0.18464028
ENSG0000143375	1	15105110	15158892	AGZ2	protein coding	-0.18981768	0.05968761	-0.15742635	0.19752052	-0.21015945	0.31435382	-0.00769886	0.96996146	-0.22894014	0.05926481	0.03117251	0.74784065	0.08411251
ENSG0000023784	8	3397354	3397354	PTENP1	transcribed unprocessed	-0.02528418	0.96353090	-0.04865011	0.17906746	0.00684768	0.76262001	-0.34124243	0.06379794	-0.04519047	0.74563120	0.03109622	0.74824741	0.18643230
ENSG0000022036	11	14447693	14449230	CRNRP	transcribed unprocessed	-0.32447138	0.03624141	-0.15160704	0.20541754	-0.31297472	0.11791297	-0.81361964	0.06569252	-0.40279177	0.00920358	0.036706	0.74969352	0.29783855
ENSG0000079399	16	89707134	89720388	VRP9D1	protein coding	0.04427382	0.98134143	0.04411155	0.90376030	0.00191022	0.64177149	-0.05133815	0.78792273	-0.03725637	0.03160381	0.03680186	0.74927108	0.05115081
ENSG0000026034	16	26253358	26253358	AC005055.1	lincRNA	-0.20191808	0.06782227	-0.11338954	0.44135720	-0.26769091	0.10248997	-0.27070272	0.17203310	-0.30184445	0.04024939	0.06308724	0.74972141	0.17017013
ENSG0000105784	7	8727448	8782229	RNCP238	protein coding	-0.04474969	0.69916165	-0.02021841	0.84002890	-0.436159	0.09988929	-0.32753752	0.87181491	-0.0311951	0.01464491	0.06206211	0.74969299	0.09815763
ENSG0000019049	14	6855330	6855330	RABGTA7A	protein coding	0.01702137	0.88318786	0.07184147	0.02004372	0.11504396	0.56783026	0.00953406	0.65383738	0.03012304	0.01825034	0.03634647	0.75004451	0.01176533
ENSG0000019146	6	15453798	15457079	RPSAP8	protein coding	-0.08743853	0.44454704	0.14589702	0.31205808	0.18811351	0.32189243	0.18779260	0.34872855	-0.18699547	0.17986148	0.03629262	0.75010229	0.11925241
ENSG0000028887	14	2311731	2387139	LOC100272	transcribed unprocessed	-0.14262718	0.24436932	-0.15958281	0.26265407	0.13139692	0.51198146	-0.4121748	0.03849483	-0.24477718	0.07923764	0.03629262	0.75010229	0.11925241
ENSG0000016405	3	4843214	4840448	CDCD51	protein coding	0.05615311	0.62768984	0.04320717	0.21070780	0.008084124	0.73879491	0.130249884	0.61728241	0.04340471	0.07152573	0.03630914	0.7511731	0.04503472
ENSG0000012546	13	9609999	9898734	CLVLB	protein coding	-0.17134655	0.31218974	-0.0347080	0.81269878	0.001984816	0.96373411	0.04467789	0.98232533	-0.20921204	0.13759252	0.03630914	0.75181189	0.20899734
ENSG0000016946	9	13989265	13981404	COX2A1	protein coding	-0.02292278	0.00437466	-0.07424318	0.61234101	0.380220281	0.00549894	-0.19308114	0.34514546	-0.41538978	0.00179928	0.03630914	0.75181189	0.20899734
ENSG0000012593	X	8616204	8611339	EIF1AIP29	protein coding	0.05081794	0.62620424	0.01426829	0.41003803	0.00782324	0.01048742	-0.45694462	0.10589189	0.07314461	0.05941594	0.03630914	0.75181189	0.20899734
ENSG0000018705	22	3952993	3952974	RPS18BP1	protein coding	0.04082828	0.29242897	-0.07951299	0.59089987	0.18103341	0.42006748	-0.12395947	0.53875453	0.10430343	0.40920042	0.03630914	0.75268752	0.06997405
ENSG000014541	1	1167343	1170000	ITPR3	protein coding	-0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541
ENSG00000259137	14	44120214	44120761	LOC107961	protein coding	-0.101360312	0.33040687	-0.03705501	0.784881718	-0.14439815	0.47421207	-0.07928686	0.69420113	-0.11084371	0.38913066	0.03630914	0.75268752	0.06997405
ENSG0000023930	11	17213879	17214480	DNM3OS	lincRNA	-0.16291134	0.11139848	-0.04544275	0.75400461	-0.05475238	0.78620369	-0.05119001	0.79988044	-0.16293837	0.18434209	0.03630914	0.75268752	0.06997405
ENSG0000027022	1	14247693	14249230	CRNRP	transcribed unprocessed	-0.32447138	0.03624141	-0.15160704	0.20541754	-0.31297472	0.11791297	-0.81361964	0.06569252	-0.40279177	0.00920358	0.036706	0.74969352	0.29783855
ENSG0000023860	16	5419944	5419971	AC245052.1	lincRNA	0.021688329	0.85147869	0.05083836	0.14747800	0.00181653	0.64531799	-0.00218302	0.98131744	-0.03708887	0.78109859	0.03630914	0.75268752	0.06997405
ENSG0000018606	19	5133136	5132424	PCDH10	protein coding	-0.54481514	0.02032039	-0.07873237	0.89586817	-0.24450260	0.16014452	-0.08988702	0.73031412	-0.24262004	0.10431308	0.03630914	0.75268752	0.06997405
ENSG0000020472	7	8727448	8782229	RNCP238	protein coding	-0.04474969	0.69916165	-0.02021841	0.84002890	-0.436159	0.09988929	-0.32753752	0.87181491	-0.0311951	0.01464491	0.06206211	0.74969299	0.09815763
ENSG0000023703	4	14076136	141012347	VSIGL1	protein coding	0.00561205	0.460631628	0.12327342	0.39194460	0.25934749	0.05858071	-0.02373968	0.80623154	-0.26655021	0.03734658	0.03630914	0.75268752	0.06997405
ENSG0000023573	10	13104574	13104783	SNRPDS	protein coding	-0.18720520	0.34657489	-0.14455827	0.31854231	-0.13575543	0.50014270	-0.12045049	0.33995929	-0.07814548	0.05435818	0.03630914	0.75268752	0.06997405
ENSG0000029654	6	14982014	14984242	SNRPB	protein coding	-0.15182186	0.18886540	-0.03188162	0.60283643	-0.20051471	0.24737492	-0.18002523	0.19276894	-0.06755671	0.19276894	0.03630914	0.75268752	0.06997405
ENSG0000023909	16	8309789	8319727	HSPB1	protein coding	0.18978783	0.11119529	0.18974235	0.32381068	0.03245449	0.04001599	-0.06105421	0.18841138	0.23547364	0.08851454	0.03630914	0.75268752	0.06997405
ENSG0000017841	4	4198781	4198781	ITPR3	protein coding	-0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541	0.02364541
ENSG0000023110	3	17707405	17704792	TBL1YR1-AS1	lincRNA	-0.18162106	0.07476127	-0.09642737	0.54832626	-0.17234913	0.30011667	-0.14468546	0.29117678	0.32420310	0.03630914	0.75268752	0.06997405	
ENSG0000029545	11	12513287	12513957	AP0D1007.2	lincRNA	-0.03696688	0.74245291	0.03837304	0.78426854	-0.01388412	0.44599003	-0.04342523	0.8828424	-0.08426126	0.5			

ENSG00000232876	1	617059223	9732295	CPYD-AS1	lncRNA	-0.12014968	0.01688323	0.07291482	0.164812144	-0.15535684	0.430664208	0.10842037	0.591328437	-0.01747057	0.900214612	0.060482071	0.782273476	0.071777777	0.620354503
ENSG00000229717 <td>1</td> <td>6099224</td> <td>931781</td> <td>ADP1A</td> <td>lncRNA</td> <td>-0.25178181</td> <td>0.00381894</td> <td>-0.05281474</td> <td>0.17478951</td> <td>-0.14714378</td> <td>0.2673035</td> <td>-0.15977125</td> <td>0.49005808</td> <td>-0.26842866</td> <td>0.00676261</td> <td>0.06332134</td> <td>0.72727835</td> <td>0.27053091</td> <td>0.15742026</td>	1	6099224	931781	ADP1A	lncRNA	-0.25178181	0.00381894	-0.05281474	0.17478951	-0.14714378	0.2673035	-0.15977125	0.49005808	-0.26842866	0.00676261	0.06332134	0.72727835	0.27053091	0.15742026
ENSG00000234986	1	7739952	175780	AC00900.1	lncRNA	-0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000250174	3	12388944	12389247	MTLK-AS2	lncRNA	-0.00544652	0.963204763	0.01181359	0.87748769	-0.08384174	0.65981575	0.04809438	0.81186776	-0.03192203	0.01814926	0.06067038	0.01874926	0.00867078	0.00867078
ENSG00000260775	18	58416785	58417628	AC01105.2	lncRNA	-0.15401788	0.1791415	-0.12369538	0.40274473	-0.01710039	0.92224421	-0.24543281	0.20011148	-0.17718115	0.18639826	0.06793780	0.82891232	0.11128292	0.01128292
ENSG00000260947	1	4817676	4817676	AC01105.2	lncRNA	-0.15401788	0.1791415	-0.12369538	0.40274473	-0.01710039	0.92224421	-0.24543281	0.20011148	-0.17718115	0.18639826	0.06793780	0.82891232	0.11128292	0.01128292
ENSG00000157542	1	37607473	3811345	KCNJ8	protein coding	-0.31704402	0.01490297	-0.10136203	0.45048777	-0.24888378	0.214461728	-0.20552481	0.30747418	-0.34482731	0.01096241	0.00754099	0.83030343	0.33191879	0.0117739
ENSG00000144621	3	10836399	10836322	MTF1L1	protein coding	-0.19179954	0.09411028	-0.03295857	0.82633375	-0.00551229	0.87023304	-0.19999260	0.51824985	-0.09952702	0.12834487	0.06741152	0.83037590	0.16964243	0.02623836
ENSG00000248914	1	7624204	7624204	MTF1L1	protein coding	-0.19179954	0.09411028	-0.03295857	0.82633375	-0.00551229	0.87023304	-0.19999260	0.51824985	-0.09952702	0.12834487	0.06741152	0.83037590	0.16964243	0.02623836
ENSG00000279416	18	7909534	7909534	AC02988.4	lncRNA	-0.05284841	0.05979984	-0.07847878	0.35777784	-0.04251229	0.85021863	-0.06441919	0.78747591	-0.12057116	0.37943664	0.00722396	0.83149369	0.05932245	0.05323245
ENSG00000244598	3	5542789	5542830	WNT10A-AS1	processed pseudogene	-0.05744442	0.07230374	-0.03387741	0.81795188	-0.20102029	0.63064115	-0.09241956	0.63834742	-0.3847812	0.01819694	0.06717074	0.83037590	0.20494994	0.05317738
ENSG0000019197	3	31518480	31520231	PPP1R	protein coding	-0.19323974	0.15603999	-0.05484863	0.70850801	-0.04849763	0.83739857	-0.03710261	0.62947838	-0.03899161	0.23843175	0.06717074	0.83149369	0.18289958	0.2054009
ENSG00000126218	13	113122789	113149529	WNT10A-AS1	processed pseudogene	-0.07086471	0.01727248	-0.01496577	0.81795188	-0.20102029	0.63064115	-0.09241956	0.63834742	-0.3847812	0.01819694	0.06717074	0.83037590	0.20494994	0.05317738
ENSG00000231072	2	21284911	21776893	ZCCHC	protein coding	-0.24272339	0.03470684	-0.02792623	0.87171944	-0.25172423	0.01993253	-0.18973181	0.34313958	-0.35513892	0.04036864	0.06817201	0.78331191	0.23072641	0.10858622
ENSG00000147014	1	8589733	8514225	ATP2B2	protein coding	-0.04442511	0.70124085	-0.08717458	0.54889071	0.00601258	0.78983362	-0.18494261	0.35444995	-0.03002687	0.82914628	0.0068624	0.83311192	0.12028110	0.3708411
ENSG00000166707	X	101142131	101145842	DZCC1B	protein coding	-0.01274580	0.91234264	-0.07969888	0.58233435	-0.00499857	0.90049857	-0.03496455	0.82867343	-0.05975605	0.40958881	0.06862133	0.63434441	0.03095537	0.8312812
ENSG00000287700	X	33718958	33720131	ALN1378L1	lncRNA	-0.08607609	0.45312995	-0.06142117	0.70150889	-0.00306487	0.80738442	-0.04272269	0.83204448	-0.11884354	0.42057994	0.06049484	0.83037590	0.07897801	0.48962140
ENSG00000192969	1	9120378	9140499	HEM1	protein coding	-0.28124011	0.02042811	-0.05738468	0.65441941	-0.13175489	0.81114711	-0.12191711	0.5207300	-0.27017299	0.06774689	0.06509171	0.79369831	0.28459494	0.04462818
ENSG00000404866	7	119593238	112701761	ST17	protein coding	-0.13906663	0.22591503	-0.05402107	0.40421078	-0.15255440	0.50569107	-0.16904088	0.42385114	-0.16904088	0.15378999	0.06049484	0.78369841	0.11954443	0.26656722
ENSG00000238957	2	144517178	144521477	ZEB1-AS1	lncRNA	-0.08603774	0.54621204	-0.18122419	0.19068058	-0.28893886	0.71482052	-0.38888899	0.05821691	-0.08771899	0.07425011	0.06062620	0.78373208	0.08749474	0.54570832
ENSG00000227527	1	4233338	4233381	AC02988.4	lncRNA	-0.21172653	0.04292784	-0.03832054	0.71911531	-0.18920786	0.34455281	-0.10071891	0.8573938	-0.3140863	0.02249816	0.060518	0.78364552	0.23244553	0.10489442
ENSG00000211793	14	21841128	21941657	TRAV2	TR V gene	-0.09150983	0.428642061	-0.04720110	0.92051955	-0.28712111	0.13209145	-0.26761456	0.19442397	-0.8143189	0.05429299	0.00051046	0.96281054	0.00134768	0.96281054
ENSG0000025308	2	20710987	20711073	RIB235	miRNA	-0.07092422	0.53878171	-0.08748739	0.54898844	-0.1399953	0.65938767	-0.22920258	0.24849631	-0.12948803	0.35236888	0.0605032	0.78305871	0.02269131	0.87959817
ENSG0000043320	2	8940429	8940475	IGV1L2	lncRNA	-0.11701457	0.31038203	-0.08076871	0.57119315	-0.18171036	0.42011330	-0.13759483	0.49572458	-0.11700711	0.35898988	0.05848181	0.83391231	0.13413668	0.38303181
ENSG00000099988	22	24219654	2424512	MG2	protein coding	-0.13500779	0.24179313	-0.02862131	0.82838583	-0.14903235	0.40411783	-0.07378859	0.85155831	-0.14801029	0.28475234	0.06425481	0.84176908	0.19848721	0.16702933
ENSG00000229514	1	7158901	7158933	RP332P21	processed pseudogene	-0.18008174	0.08755633	-0.1201396	0.43895498	-0.5838354	0.0047187	-0.14078151	0.43859598	-0.27152808	0.04701915	0.06391098	0.78428898	0.22999888	0.10813309
ENSG00000165495	1	12514987	12543384	PNOX2	protein coding	-0.22898195	0.02916768	-0.13802492	0.48303761	-0.20989896	0.12174509	-0.21289861	0.28613728	-0.3433988	0.01019434	0.06037862	0.78434901	0.35921938	0.0124817
ENSG00000237368	21	45287890	45297816	AC02988.4	lncRNA	-0.18540383	0.08855298	-0.02920215	0.84142725	-0.18019259	0.81174099	-0.3084314	0.28743516	-0.21272432	0.02327681	0.06037862	0.84444593	0.15509215	0.28613378
ENSG00000188191	7	549197	727691	PKnox1B	protein coding	-0.27212358	0.08819225	-0.1418952	0.7287480	-0.38458238	0.09898428	-0.04247744	0.90275789	-0.38105488	0.04153004	0.06342279	0.78442727	0.35487868	0.01144523
ENSG00000228024	2	6652948	6652948	AC02988.4	lncRNA	-0.27212358	0.08819225	-0.1418952	0.7287480	-0.38458238	0.09898428	-0.04247744	0.90275789	-0.38105488	0.04153004	0.06342279	0.78442727	0.35487868	0.01144523
ENSG00000502039	19	34593239	34756589	SCG2B2	protein coding	-0.24193171	0.04844143	-0.15721386	0.2755638	-0.00895657	0.81775042	-0.31814458	0.10505248	-0.25042325	0.00754336	0.06330276	0.84867737	0.78826204	0.20451157
ENSG00000219335	7	4885432	4885804	RP12216	processed pseudogene	-0.25178181	0.00381894	-0.05281474	0.17478951	-0.14714378	0.2673035	-0.15977125	0.49005808	-0.26842866	0.00676261	0.06332134	0.72727835	0.27053091	0.15742026
ENSG00000227527	1	4233338	4233381	AC02988.4	lncRNA	-0.21172653	0.04292784	-0.03832054	0.71911531	-0.18920786	0.34455281	-0.10071891	0.8573938	-0.3140863	0.02249816	0.060518	0.78364552	0.23244553	0.10489442
ENSG00000273415	11	12899578	12818371	LINC02728	lncRNA	-0.11988878	0.54280380	-0.04173143	0.90444412	-0.03230804	0.86120221	-0.13843434	0.49105369	-0.18148815	0.02916693	0.06049484	0.78369841	0.10857208	0.27656341
ENSG00000250555	6	131009174	131004474	AMC3	protein coding	-0.3371313	0.00282373	-0.03231078	0.78870787	-0.36715004	0.59573307	-0.14596221	0.48430609	-0.42021078	0.01550269	0.06342279	0.78452373	0.84502971	0.00406424
ENSG00000274430	1	10423338	10423338	AC02988.4	lncRNA	-0.21172653	0.04292784	-0.03832054	0.71911531	-0.18920786	0.34455281	-0.10071891	0.8573938	-0.3140863	0.02249816	0.060518	0.78364552	0.23244553	0.10489442
ENSG00000250779	12	12235654	12240087	CLIP1-AS1	lncRNA	-0.11628158	0.31704402	-0.02759639	0.84871934	-0.02759639	0.80851320	-0.20538117	0.13626398	0.06306786	0.78541497	0.06049484	0.83037590	0.08172523	0.54478074
ENSG00000240455	17	18867258	18862314	TFCM3B	protein coding	-0.11434987	0.321984228	-0.14783243	0.30611864	-0.40033333	0.48923124	-0.13134401	0.36537349	-0.20514972	0.13871129	0.06051821	0.84567291	0.17087221	0.23065770
ENSG00000260757	1	10481489	10481489	AC02988.4	lncRNA	-0.21172653	0.04292784	-0.03832054	0.71911531	-0.18920786	0.34455281	-0.10071891	0.8573938	-0.3140863	0.02249816	0.060518	0.78364552	0.23244553	0.10489442
ENSG00000167620	17	40819106	40838270	TOMM8	protein coding	-0.10746507	0.20184458	-0.06284138	0.68751910	-0.00403333	0.85351082	-0.16700712	0.82888713	-0.21384939	0.12811619	0.06028358	0.78468590	0.18241958	0.22419585
ENSG00000204498	6	31458870	315																

ENSG0000022549	1	16970945	16883650	ENX284668.2	lncRNA	-0.30788427	0.00059647	-0.11888475	0.14080260	0.20779928	0.17688551	-0.28991280	0.12878933	-0.38402654	0.00414273	0.05299610	0.81020968	0.29420627	0.03809047
ENSG0000017407	1	4333330	4393774	ARL1	protein coding	-0.59373999	0.00000000	-0.15066116	0.27251161	0.22787550	0.26987653	-0.40397078	0.15207331	-0.48011997	0.00000000	0.00000000	0.77027707	0.26257258	0.08118304
ENSG0000019214	1	7813846	790524	TRAF6	protein coding	-0.04648689	0.04517914	-0.03470004	0.78580807	0.32007668	0.17332443	-0.08185005	0.75242412	-0.05194369	0.10791232	0.05296944	0.03103743	0.12882788	0.20416238
ENSG0000020620	1	12135234	12333337	ACTG35B7.1	lncRNA	-0.05856214	0.78196120	-0.26491240	0.60298414	-0.09865194	0.553538	0.47214670	0.00128888	0.06664602	0.03174867	0.06294743	0.00000000	0.11258883	0.47425463
ENSG0000019792	1	1612552	1612552	LOC1131383	lncRNA	-0.03198343	0.00000000	-0.03198343	0.00000000	0.03198343	0.00000000	0.03198343	0.00000000	0.03198343	0.00000000	0.03198343	0.00000000	0.03198343	0.00000000
ENSG0000020464	1	64349877	64352242	AL161756.3	lncRNA	-0.20344227	0.05795255	-0.03497163	0.02938181	-0.19865194	0.27935451	-0.13274910	0.48473804	-0.27962842	0.00707802	0.05286293	0.8107380	0.20774243	0.14529433
ENSG0000025998	1	8158240	8160959	AL133279.3	lncRNA	0.01033267	0.92923344	0.127358	0.37744949	0.18733025	0.58422634	0.21284580	0.28649894	0.05269189	0.05660854	0.01071501	0.00000000	0.00743103	0.14721663
ENSG0000024974	1	81242330	81242330	LOC1019211	processed pseudogene	0.02588811	0.00000000	0.02588811	0.00000000	0.02588811	0.00000000	0.02588811	0.00000000	0.02588811	0.00000000	0.02588811	0.00000000	0.02588811	0.00000000
ENSG0000021680	1	31571410	31571410	EVGA	lncRNA	0.02588811	0.03195181	-0.17700704	0.17878892	0.04753920	0.09729208	0.04753920	0.09729208	0.07878921	0.57171648	0.05908085	0.8107380	0.20774243	0.14529433
ENSG0000026753	1	4708346	4749243	ZNF89	protein coding	-0.26248989	0.01026620	-0.01598302	0.82955068	0.23866521	0.03604891	-0.09222798	0.68445416	-0.50152278	0.00671360	0.05282675	0.01094642	0.32291936	0.02718328
ENSG0000020136	1	8249178	8257584	AC009117.2	lncRNA	-0.14651973	0.22115163	-0.02267623	0.88710331	0.08924548	0.30039334	-0.07745434	0.59711854	-0.59711854	0.05789934	0.08193733	0.28327166	0.08193733	
ENSG0000025400	1	12201601	12215287	AC005244.2	lncRNA	-0.15039780	0.01137889	-0.01245658	0.91109835	-0.33719284	0.09097491	-0.08853862	0.62845043	-0.2952827	0.00716238	0.05276818	0.01046424	0.32291936	0.02718328
ENSG0000016143	1	4998903	4997581	SLERL16	polycomb target	-0.17382313	0.26753533	-0.04653217	0.73081560	0.34128664	0.08122277	-0.04691813	0.86292358	-0.17183242	0.24189871	0.06278168	0.01094642	0.32291936	0.02718328
ENSG0000020800	1	4152143	4160198	PIN1	protein coding	-0.07343620	0.05992263	-0.03094662	0.86789871	0.01947478	0.93329258	-0.1318984	0.51041968	-0.13766852	0.33094252	0.05278167	0.01094642	0.32291936	0.02718328
ENSG00000120729	1	31787858	31787858	MYOT	protein coding	-0.24031543	0.03591693	-0.04445448	0.7755021	0.24078166	0.18178288	-0.31653390	0.94517726	-0.31653390	0.07070489	0.05278167	0.01094642	0.32291936	0.02718328
ENSG0000020699	1	10186827	10170928	AC019168.2	lncRNA	0.00306184	0.99214468	0.29999475	0.68275358	0.08606244	0.29438212	0.45444738	0.01724778	0.10816038	0.44822424	0.05278167	0.01094642	0.32291936	0.02718328
ENSG00000201482	1	2706928	2706789	AC020728.1	lncRNA	-0.15092302	0.17765241	-0.06703315	0.64005364	0.11817469	0.3384961	-0.2011951	0.43861138	-0.05278167	0.01094642	0.32291936	0.02718328	0.02718328	0.02718328
ENSG00000198882	1	8768613	8774776	PAPSS2	protein coding	-0.03821574	0.74141707	-0.06703315	0.64005364	0.11817469	0.3384961	-0.2011951	0.43861138	-0.05278167	0.01094642	0.32291936	0.02718328	0.02718328	0.02718328
ENSG00000183439	1	2040934	2044133	ACSM5	protein coding	-0.25710267	0.02923613	-0.06902237	0.50800460	0.02923613	0.17445438	-0.17343888	0.37619418	-0.23073854	0.08061940	0.05278167	0.01094642	0.32291936	0.02718328
ENSG00000171728	1	6041351	6041351	PP2C	protein coding	-0.00439324	0.97933497	0.04318428	0.76873961	0.11494954	0.92694953	0.04449041	0.82569384	-0.02616612	0.85411074	0.05280309	0.01127333	0.02533297	0.01172731
ENSG00000148824	1	133394804	133422503	MTG1	protein coding	-0.16887813	0.14203794	-0.08072030	0.93803489	0.02923613	0.17445438	-0.17343888	0.37619418	-0.23073854	0.08061940	0.05278167	0.01094642	0.32291936	0.02718328
ENSG00000117758	1	27727318	27844441	STX12	protein coding	-0.03847934	0.37951411	-0.02289236	0.85711810	0.05920778	0.76920357	-0.01018783	0.87339444	-0.03898032	0.03889183	0.05259272	0.01167410	0.03020338	0.01167410
ENSG00000207102	1	73496002	73410228	ENSG000176.1	transcribed unprocessed pseudogene	-0.02143458	0.14565252	-0.02143458	0.14565252	0.02143458	0.14565252	-0.02143458	0.14565252	-0.02143458	0.14565252	-0.02143458	0.14565252	0.02143458	0.14565252
ENSG00000202155	1	2506937	2508818	LOC102176.1	lncRNA	-0.24220348	0.03381467	-0.02584398	0.85711810	0.05920778	0.76920357	-0.01018783	0.87339444	-0.03898032	0.03889183	0.05259272	0.01167410	0.03020338	0.01167410
ENSG00000114728	1	14184442	14214554	TFPI2	protein coding	0.15898043	0.17326553	0.30254787	0.93971888	0.03348038	0.88054984	0.05110748	0.00988885	0.12286118	0.12225007	0.05241022	0.01181128	0.01392883	0.02323254
ENSG00000187122	1	9699938	9718995	SULT1	protein coding	-0.01708788	0.00870787	-0.00922362	0.54260051	0.40481892	0.00808111	-0.30268491	0.10274852	-0.45895107	0.00931888	0.05292968	0.01181128	0.01392883	0.02323254
ENSG00000135245	1	12845849	12848181	HLIPA	protein coding	-0.11311295	0.24858488	-0.11047004	0.64005364	0.08917197	0.62817487	-0.34151439	0.11009216	-0.24484217	0.04121239	0.05252606	0.01181128	0.01392883	0.02323254
ENSG00000207407	1	17013877	17016741	ENSG00442.3	lncRNA	-0.07208622	0.53327102	-0.07208622	0.53327102	0.08850090	0.90083998	-0.08850090	0.90083998	0.03434555	0.86495522	-0.04728072	0.03420886	0.05278167	0.01094642
ENSG00000149890	1	4200000	4200000	YJL2	lncRNA	-0.00203728	0.01058424	-0.00203728	0.01058424	0.00203728	0.01058424	-0.00203728	0.01058424	0.00203728	0.01058424	-0.00203728	0.01058424	0.00203728	0.01058424
ENSG00000150348	1	424080	428908	YJL2	lncRNA	-0.00203728	0.01058424	-0.00203728	0.01058424	0.00203728	0.01058424	-0.00203728	0.01058424	0.00203728	0.01058424	-0.00203728	0.01058424	0.00203728	0.01058424
ENSG0000025399	1	2709398	2709278	ENSG0079.2	processed pseudogene	-0.10341097	0.07099882	-0.03876354	0.78924216	-0.10342762	0.58379121	-0.10716245	0.72429700	-0.19213187	0.1369942	0.05248425	0.02119657	0.08710696	0.04750459
ENSG00000119412	1	11191122	11191122	LOC101921.1	processed pseudogene	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	0.01119122	0.01027619
ENSG00000233479	1	11369116	11367131	AC010794.2	lncRNA	-0.14316455	0.21497140	-0.01371261	0.97060002	-0.08312688	0.65687369	-0.08990346	0.65687369	-0.12013801	0.14530918	0.05278167	0.01094642	0.32291936	0.02718328
ENSG00000115361	1	21037176	21022447	ACAD	protein coding	-0.14803768	0.19622499	-0.09301307	0.84207630	0.02881403	0.77074471	-0.07250047	0.70811810	-0.07247111	0.62057044	0.05244884	0.01213667	0.02718328	0.02718328
ENSG00000195674	1	1200000	1200000	LOC101921.1	processed pseudogene	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	-0.01119122	0.01027619	0.01119122	0.01027619
ENSG00000238628	1	10772811	10743138	ENSG003844.1	lncRNA	-0.096176719	0.40536496	-0.02912420	0.84207630	0.02881403	0.77074471	-0.07250047	0.70811810	-0.07247111	0.62057044	0.05244884	0.01213667	0.02718328	0.02718328
ENSG00000229400	1	22471750	22427366	CHIR3.5	lncRNA	-0.13628478	0.21292267	-0.02735668	0.80826522	-0.21339957	0.28517388	-0.07283077	0.89210471	-0.28413838	0.36230787	0.05242938	0.02151453	-0.12007128	0.14308006
ENSG00000171190	1	122876	72854	CD37	protein coding	-0.04848048	0.44545747	-0.06401547	0.68872298	0.08451318	0.77212349	-0.09168226	0.64815139	-0.08567475	0.53790769	0.05207371	0.01262341	0.04750459	0.04750459
ENSG00000146872	1	22437868	22440127	FAM124B	protein coding	-0.01188559	0.98485708	-0.01651517	0.48194588	0.08081189	0.64161535	-0.21700704	0.27691907	-0.07404525	0.61278168	0.05212185	0.01194651	0.04750459	0.04750459
ENSG00000140419	1	8179581	8184286	SMK1	protein coding	-0.04848048	0.44545747	-0.06401547	0.68872298	0.08451318	0.77212349	-0.09168226	0.64815139	-0.08567475	0.53790769	0.05207371	0.01262341	0.04750459	0.04750459
ENSG00000206776	1	22437868	22440127	FAM124B	protein coding														

ENSG0000023645	21	41767033	41872024	AP001919.2	lincRNA	-0.21869713	0.05579044	-0.02137416	0.75096746	0.06090702	0.00171018	-0.15445130	0.44176870	-0.21318552	0.121878	0.05237461	0.18199277	-0.21817193	0.12784113	
ENSG0000015879	7	9437739	9419988	PTPIP3	protein coding	-0.1379263	0.2314077	-0.0022245	0.67973919	0.14500239	0.4720111	-0.14215861	0.8047921	-0.11862869	0.06783373	0.05622611	0.17522611	0.15951441	0.15474692	0.11991441
ENSG0000018915	8	8631196	8631196	LOC101928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000023437	9	6213386	6213386	AL34575.1	unprocessed_pseudot	-0.3074639	0.000000	-0.0954540	0.5093980	-0.2244401	0.0572490	-0.2072484	0.1131202	-0.4400913	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000018379	22	2683372	2683372	ZNF871	protein coding	-0.17671832	0.2026100	-0.0254043	0.7174870	0.1689148	0.4053232	-0.1034487	0.8747686	-0.2321223	0.000000	0.0581101	0.000000	0.000000	0.000000	0.000000
ENSG0000027190	10	1370284	1370284	LOC101928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000023673	10	2107339	2107339	AL62311.1	processed_pseudot	-0.01697135	0.8834754	-0.0475405	0.8818546	-0.2015109	0.1133929	-0.0870354	0.7395866	-0.0832329	0.0483349	0.0518652	0.000000	0.000000	0.000000	0.000000
ENSG0000016301	2	2196544	2196544	LOC101928	antisense_intronic	-0.01749239	0.2014467	-0.0077696	0.8476230	-0.3022173	0.0662414	-0.1513734	0.8487610	-0.1655994	0.0191754	0.0517303	0.000000	0.000000	0.000000	0.000000
ENSG0000026933	10	3093706	3093706	LOC101928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000023280	10	6262822	6262822	DMN1P7	protein coding	-0.22713995	0.0469679	-0.1738644	0.2027213	-0.4070910	0.300	-0.1968964	0.7052389	-0.2690256	0.0572722	0.0512904	0.000000	0.000000	0.000000	0.000000
ENSG0000029576	12	13218673	13218673	LOC101928	antisense_intronic	-0.12973499	0.2626261	-0.0104895	0.944557	-0.1284202	0.0226737	-0.1846780	0.3900000	-0.2583261	0.0522253	0.0511263	0.000000	0.000000	0.000000	0.000000
ENSG0000028195	11	11443492	11443492	LOC101928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000027198	14	9984522	9984522	VDCAP1	processed_pseudot	-0.09181371	0.4270998	-0.0152883	0.8181758	-0.3521359	0.0928289	-0.0988329	0.9239482	-0.0983716	0.0743756	0.0500490	0.000000	0.000000	0.000000	0.000000
ENSG0000029153	12	2732854	2732854	ANNT1	protein coding	-0.3127333	0.0081659	-0.2517139	0.0771444	-0.2270189	0.2458031	-0.1471757	0.0229849	-0.3840373	0.0086359	0.0503729	0.000000	0.000000	0.000000	0.000000
ENSG0000026499	17	3092898	3094141	ALOX1P1	protein coding	-0.1018628	0.3788121	-0.0088748	0.8444994	-0.0448801	0.0400100	-0.0986438	0.6582934	-0.0430781	0.1373293	0.0502483	0.000000	0.000000	0.000000	0.000000
ENSG0000018391	17	5659399	5659611	NOG	protein coding	-0.20690329	0.0709919	-0.0520134	0.9713867	-0.1274461	0.4427439	-0.0700267	0.7272132	-0.2651782	0.0514072	0.0501841	0.000000	0.000000	0.000000	0.000000
ENSG0000024476	6	1102489	1111723	ERV1P2	protein coding	-0.17581343	0.2612015	-0.0674569	0.8614023	-0.0714219	0.2063861	-0.2110739	0.2907172	-0.2454907	0.0084863	0.0500103	0.000000	0.000000	0.000000	0.000000
ENSG0000022903	6	12969312	12969312	PSMAP2	processed_pseudot	-0.16597399	0.1560435	-0.1554811	0.1321014	-0.1978994	0.3431079	-0.2003310	0.1209411	-0.1764139	0.2019153	0.0498919	0.000000	0.000000	0.000000	0.000000
ENSG00000241709	X	11492491	14954499	LINC00983	lincRNA	-0.01024809	0.19310457	-0.0474969	0.7633044	-0.0319487	0.8743102	-0.1384854	0.4909037	-0.0376104	0.7918555	0.0498296	0.000000	0.000000	0.000000	0.000000
ENSG0000024292	12	12180077	12180340	LINC00182	lincRNA	-0.0090480	0.9507354	-0.0681825	0.883333	-0.1468740	0.4633060	-0.1338550	0.5081734	-0.0501760	0.1960779	0.0492424	0.000000	0.000000	0.000000	0.000000
ENSG0000027528	10	5031008	5029781	SPY1P9	processed_pseudot	-0.0740987	0.5040389	-0.0321421	0.1102862	-0.1309916	0.4981743	-0.1787977	0.1724801	-0.1084150	0.4437403	0.0499488	0.000000	0.000000	0.000000	0.000000
ENSG0000010832	10	4017710	4016568	RAGAP1E1	protein coding	-0.23448163	0.1071234	-0.1732121	0.0327254	-0.0414302	0.7885303	-0.4261837	0.0266445	-0.1392059	0.0597771	0.0490474	0.000000	0.000000	0.000000	0.000000
ENSG0000024845	6	11647547	11659287	SEMA5A.1	protein coding	-0.2374583	0.0418419	-0.2603751	0.0589397	-0.0510498	0.8008732	-0.4701219	0.0134177	-0.2897729	0.0033600	0.0490927	0.000000	0.000000	0.000000	0.000000
ENSG0000027841	16	8078956	8071447	LINC00218	lincRNA	-0.0008181	0.4845514	-0.1492071	0.3308354	-0.0985729	0.6247163	-0.2181327	0.2781914	-0.0725570	0.6059345	0.0458717	0.000000	0.000000	0.000000	0.000000
ENSG0000023203	9	3125301	3125477	SLM2A6P2	processed_pseudot	-0.04440848	0.7013500	-0.0471142	0.9740053	-0.2784123	0.1628003	-0.0141028	0.9105107	-0.0486234	0.0141028	0.0190517	0.000000	0.000000	0.000000	0.000000
ENSG0000013870	4	1027878	1028472	GSTC3	protein coding	-0.1300698	0.2732681	-0.0589474	0.7011393	-0.1028411	0.3611862	-0.0429586	0.3581587	-0.2131836	0.1170034	0.048274	0.000000	0.000000	0.000000	0.000000
ENSG0000020360	6	1193938	1191896	LINC01295	lincRNA	-0.2460108	0.0102029	-0.0634532	0.8121744	-0.2574701	0.1942911	-0.2457196	0.3001828	-0.3690359	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000264739	17	1641424	1641668	LINC03484.2	lincRNA	-0.0353842	0.7589878	-0.1043963	0.7101584	-0.0765828	0.7041757	-0.01631027	0.83584416	-0.08481324	0.1540213	0.0482235	0.000000	0.000000	0.000000	0.000000
ENSG0000021480	8	12419271	12424798	AC09291.1	antisense_intronic	-0.2272688	0.0524422	-0.1041929	0.4748023	-0.0234939	0.93084614	-0.2474524	0.1673825	-0.2511955	0.0691168	0.0480968	0.000000	0.000000	0.000000	0.000000
ENSG0000018704	11	11445920	11445920	LINC01928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000255150	12	10403739	10403739	EID3	protein coding	-0.17600415	0.10214274	-0.1002730	0.4884133	-0.1812367	0.3651132	-0.2120034	0.1161583	-0.0497909	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000018178	19	483348	474983	MTF3C2	protein coding	-0.2171128	0.0489044	-0.0202829	0.8955725	-0.2047198	0.1419838	-0.0494630	0.7874054	-0.2768859	0.0402331	0.0478855	0.000000	0.000000	0.000000	0.000000
ENSG0000022402	11	12924012	12924012	LOC101928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG00000225476	2	4330988	4330983	MTCO3P5	processed_pseudot	-0.00185045	0.8890214	-0.0283739	0.8709563	-0.0642383	0.7504339	-0.0450261	0.8061765	-0.0448282	0.0660716	0.0498832	0.000000	0.000000	0.000000	0.000000
ENSG0000016856	12	5699452	5699447	PRK9	protein coding	-0.10912467	0.3410298	-0.1038052	0.4723827	-0.1778969	0.3604892	-0.0342266	0.2212710	-0.0872326	0.1537407	0.0485824	0.000000	0.000000	0.000000	0.000000
ENSG0000020792	10	1000000	1000000	LINC01928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000010892	17	6381943	6383012	F3J13	protein coding	-0.06435807	0.5782406	-0.1043844	0.4056322	-0.1600944	0.4250581	-0.1127198	0.5630816	-0.052326	0.7099436	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000022843	X	9429502	9272508	AC09291.1	antisense_intronic	-0.2768989	0.0192349	-0.1362145	0.4556664	-0.3629618	0.0345201	-0.1524708	0.4474778	-0.2564513	0.0122154	0.0493679	0.000000	0.000000	0.000000	0.000000
ENSG0000027775	10	1000000	1000000	LINC01928	antisense_intronic	-0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
ENSG0000022740	11	17500412	1759105	LINC03053	lincRNA	-0.07454008	0.5100291	-0.0411526	0.9737203	-0.1338262	0.4436029	-0.0439428	0.8277140	-0.1425234	0.3893041	0.0416725	0.000000	0.000000	0.000000	0.000000
ENSG0000017089	17	4821156	4826398	XMB9	protein coding	-0.24397187	0.0249149	-0.0335689	0.6199878	-0.2920848	0.1938715	-0.0446628	0.8248373	-0.2793938	0.0407916	0.04				

Table with columns for gene ID, gene name, protein name, and various numerical values. The table lists numerous genes such as ENG, ENDOG, ENDOG2, ENDOG3, ENDOG4, ENDOG5, ENDOG6, ENDOG7, ENDOG8, ENDOG9, ENDOG10, ENDOG11, ENDOG12, ENDOG13, ENDOG14, ENDOG15, ENDOG16, ENDOG17, ENDOG18, ENDOG19, ENDOG20, ENDOG21, ENDOG22, ENDOG23, ENDOG24, ENDOG25, ENDOG26, ENDOG27, ENDOG28, ENDOG29, ENDOG30, ENDOG31, ENDOG32, ENDOG33, ENDOG34, ENDOG35, ENDOG36, ENDOG37, ENDOG38, ENDOG39, ENDOG40, ENDOG41, ENDOG42, ENDOG43, ENDOG44, ENDOG45, ENDOG46, ENDOG47, ENDOG48, ENDOG49, ENDOG50, ENDOG51, ENDOG52, ENDOG53, ENDOG54, ENDOG55, ENDOG56, ENDOG57, ENDOG58, ENDOG59, ENDOG60, ENDOG61, ENDOG62, ENDOG63, ENDOG64, ENDOG65, ENDOG66, ENDOG67, ENDOG68, ENDOG69, ENDOG70, ENDOG71, ENDOG72, ENDOG73, ENDOG74, ENDOG75, ENDOG76, ENDOG77, ENDOG78, ENDOG79, ENDOG80, ENDOG81, ENDOG82, ENDOG83, ENDOG84, ENDOG85, ENDOG86, ENDOG87, ENDOG88, ENDOG89, ENDOG90, ENDOG91, ENDOG92, ENDOG93, ENDOG94, ENDOG95, ENDOG96, ENDOG97, ENDOG98, ENDOG99, ENDOG100. The values include gene IDs, protein names, and various numerical values representing different parameters or scores.

Table with columns for gene names, coordinates, and various identifiers. The table lists numerous genes such as AC119674.2, AC119675.2, AC119676.2, etc., along with their genomic coordinates and associated identifiers.

ENSG0000016364	3	19663975	19670007	PRKX	protein coding	-0.00907558	0.937596216	-0.13687366	0.33842968	-0.01235273	0.95723634	-0.35603566	0.06870429	-0.11650561	0.40148745	0.03354588	0.87789669	0.15841284	0.27186752	
ENSG0000016986	10	9767273	9767273	AV11	protein coding	-0.14374588	0.27711213	-0.02476426	0.88545229	-0.02476426	0.88545229	-0.02476426	0.88545229	-0.02476426	0.88545229	-0.02476426	0.88545229	-0.02476426	0.88545229	-0.02476426
ENSG0000020375	10	6641999	6641999	AC110119.P1	transcribed unprocessed pseudogene	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000018698	4	18626189	18629881	AV11	protein coding	-0.30100241	0.07781631	-0.05796251	0.86442777	-0.05796251	0.86442777	-0.05796251	0.86442777	-0.05796251	0.86442777	-0.05796251	0.86442777	-0.05796251	0.86442777	-0.05796251
ENSG0000011784	7	14279635	14279635	IRF1	TR_rnase	0.04574899	0.62711783	0.06888500	0.84748737	0.11027809	0.58379228	-0.05253268	0.86524269	-0.07051822	0.61235944	0.03496273	0.86802873	0.86802873	0.86802873	0.86802873
ENSG0000014374	1	15297654	15297654	IRF1	TR_rnase	0.04574899	0.62711783	0.06888500	0.84748737	0.11027809	0.58379228	-0.05253268	0.86524269	-0.07051822	0.61235944	0.03496273	0.86802873	0.86802873	0.86802873	0.86802873
ENSG0000011755	2	23347927	23347927	ECCL1	protein coding	-0.28628934	0.07177927	-0.15844518	0.27178977	-0.01071753	0.93103737	-0.10684270	0.41172745	-0.03733299	0.03037273	0.90374737	0.88080487	0.88080487	0.88080487	0.88080487
ENSG0000024937	140	14037891	14040146	AC020838.1	transcribed unprocessed pseudogene	-0.27289425	0.04363854	-0.13897153	0.35574192	-0.01972159	0.92220265	-0.25032226	0.14182415	-0.26519624	0.05524844	0.03462414	0.88114861	0.88114861	0.88114861	0.88114861
ENSG0000020629	X	10521829	10521829	AC019446	transcribed unprocessed pseudogene	0.04319444	0.98464384	0.04319444	0.98464384	0.04319444	0.98464384	0.04319444	0.98464384	0.04319444	0.98464384	0.04319444	0.98464384	0.04319444	0.98464384	0.04319444
ENSG0000021514	10	7773676	7773676	AL115556.1	transcribed unprocessed pseudogene	-0.16292542	0.09332658	-0.05959282	0.86992228	-0.03803844	0.90726023	-0.07201260	0.47131469	-0.26198103	0.05562840	0.03492184	0.88114861	0.88114861	0.88114861	0.88114861
ENSG0000017609	19	4192150	4192150	CPY23	protein coding	-0.03971311	0.13194421	-0.01795691	0.80322934	-0.02629274	0.91036527	-0.18891468	0.34610026	-0.03048446	0.02470047	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000020592	19	18145142	18145142	AC020838.2	transcribed unprocessed pseudogene	-0.17737671	0.12147703	-0.09124468	0.52682022	-0.12246828	0.93682891	-0.18193183	0.47470745	-0.16982490	0.24858201	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000023816	19	7192520	7192520	AC022748.1	transcribed unprocessed pseudogene	-0.16995116	0.14677249	-0.02515469	0.86145530	-0.01144955	0.93758697	-0.19432359	0.80848756	-0.17938177	0.01432359	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000022220	2	23601436	23601436	HADC-AS1	transcribed unprocessed pseudogene	-0.02654454	0.10186430	-0.03178179	0.83551201	-0.02654454	0.83551201	-0.02654454	0.83551201	-0.02654454	0.83551201	-0.02654454	0.83551201	-0.02654454	0.83551201	-0.02654454
ENSG0000020205	13	4293388	4293388	ZDRHC4P1	transcribed unprocessed pseudogene	-0.11695311	0.07206093	-0.10989172	0.37246173	-0.14849924	0.35881668	-0.14918120	0.45789737	-0.04898770	0.27511627	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG00000215474	18	4726189	4726189	SKOR2	protein coding	-0.21544753	0.05933650	-0.03128479	0.92496867	-0.03789038	0.91516671	-0.01554377	0.93854425	-0.25917155	0.02024564	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000022627	11	12578127	12577160	PAT3	protein coding	-0.21648781	0.03096202	-0.10722064	0.48315240	-0.01381424	0.94454077	-0.12649677	0.53210309	-0.17200209	0.10373291	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000022614	10	3785740	3785710	AC135791.1	transcribed unprocessed pseudogene	-0.14030484	0.22403414	-0.04317367	0.67470181	-0.19171251	0.32420903	-0.17357192	0.29449495	-0.24212311	0.07377446	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG00000240111	16	3486201	3486788	AC020224.1	transcribed unprocessed pseudogene	-0.15421822	0.18052123	-0.10722064	0.48315240	-0.01381424	0.94454077	-0.12649677	0.53210309	-0.17200209	0.10373291	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000020688	14	17425230	17427163	AC011960	transcribed unprocessed pseudogene	-0.13078097	0.23380182	-0.12627710	0.37105719	-0.05881261	0.97067704	-0.32917498	0.03620326	-0.23142523	0.09111929	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000020512	12	3861119	3861464	AC121334.3	transcribed unprocessed pseudogene	-0.17977378	0.11978194	-0.07073917	0.60529216	-0.00509774	0.90526346	-0.07173197	0.80524366	-0.17522979	0.20371338	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000018833	X	10543938	10587545	COL4A5	protein coding	-0.38918221	0.00472965	-0.04587419	0.15431683	-0.00520141	0.97261302	-0.24865450	0.18127322	-0.52081330	0.01631374	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000021758	1	13672350	13675760	AC117382.2	transcribed unprocessed pseudogene	-0.17306903	0.12329636	-0.04481513	0.78543307	-0.04328953	0.80712842	-0.11540489	0.50716845	-0.18723329	0.17515204	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000020578	19	7849162	7849391	AC011413.1	transcribed unprocessed pseudogene	-0.03204268	0.06381451	-0.00453737	0.97649481	-0.15999426	0.42536993	-0.02447151	0.79509507	-0.11500774	0.06784267	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG00000204194	22	50252368	50258481	SOX2	protein coding	-0.03043504	0.14621157	-0.12280713	0.33830307	-0.17945312	0.37454312	-0.38444989	0.04438739	-0.30145557	0.07152064	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000027392	1	17823430	17827825	AD449308.1	transcribed unprocessed pseudogene	-0.02188705	0.89219021	-0.06141474	0.87178487	-0.22300204	0.29634445	-0.14554741	0.46887878	-0.02241387	0.03076278	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000019370	2	18293817	18294062	TEOM1	protein coding	-0.21232728	0.05373695	-0.16091121	0.66474025	-0.24722764	0.12922227	-0.13733984	0.38611934	-0.26946317	0.03076278	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000018735	16	1510427	1612027	IFT140	protein coding	-0.15598734	0.17555949	-0.04004426	0.76267888	-0.30552317	0.12129138	-0.26384847	0.06317180	-0.80082192	-0.03118403	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000016218	1	17950539	17957595	NHR3	protein coding	-0.24789874	0.02927812	-0.04820230	0.73942515	-0.26184807	0.18703977	-0.14609791	0.34244741	-0.22891567	0.06991594	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000019370	2	18293817	18294062	TEOM1	protein coding	-0.21232728	0.05373695	-0.16091121	0.66474025	-0.24722764	0.12922227	-0.13733984	0.38611934	-0.26946317	0.03076278	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000011000	20	6271489	6220278	NRH5	protein coding	-0.12341648	0.24849534	-0.01137584	0.93750473	-0.12917076	0.58989851	-0.18397706	0.44847136	-0.21458997	0.11916787	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000018214	2	8429093	8429220	ITPR2	transcribed unprocessed pseudogene	-0.03371709	0.74790470	-0.01578753	0.91449397	-0.13444473	0.50593357	-0.04484328	0.82427344	-0.01727941	0.03042518	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000024276	10	2002900	2002900	ITPR2	transcribed unprocessed pseudogene	-0.03371709	0.74790470	-0.01578753	0.91449397	-0.13444473	0.50593357	-0.04484328	0.82427344	-0.01727941	0.03042518	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000027067	7	12799787	12800077	SND1-IT1	transcribed unprocessed pseudogene	0.06037051	0.60197641	0.05128709	0.67448300	0.03024451	0.90917487	0.06175449	0.56237307	0.06175449	0.05275684	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000013426	12	49216118	49204741	FKBP11	protein coding	0.05345342	0.6431101	0.13476024	0.30111981	0.06907084	0.72618307	0.17526720	0.37532609	0.00388127	0.07777008	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG00000110742	1	15047622	15047622	FKBP11	protein coding	0.05345342	0.6431101	0.13476024	0.30111981	0.06907084	0.72618307	0.17526720	0.37532609	0.00388127	0.07777008	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG00000205238	8	12244649	12247907	SMC3/2005	transcribed unprocessed pseudogene	-0.26353871	0.01462067	-0.05898077	0.67944581	-0.00067400	0.91281307	-0.18350688	0.38858010	-0.32869821	0.01513863	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000012283	10	7196435	7201356	SHMT3	protein coding	-0.24472314	0.03194492	-0.09943471	0.93048427	-0.00754428	0.40247077	-0.14273891	0.47753522	-0.33658289	0.09292709	0.03382630	0.89840765	0.89840765	0.89840765	0.89840765
ENSG0000020359	19																			

Table with 10 columns: Gene ID, Chr, Start, End, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description, RefSeq Accession. Contains a comprehensive list of gene annotations for the RMD Open study.

Table with columns for gene names (e.g., ENGG00000265727), coordinates, and various numerical values. The table lists numerous genes and their associated data points across multiple columns.

Table with columns for gene names (e.g., ENSG00000176251), coordinates, gene symbols (e.g., TSR1), and descriptions (e.g., protein coding). The table lists numerous genes and their genomic locations.

ENSG0000025151	3	9793982	8635431	APPC4.L1.TLL1	protein coding	-0.07861562	0.4977239	0.03086621	0.813442832	0.01763293	0.9304388	-0.02495994	0.68248347	-0.08923774	0.51206848	0.02168702	0.90569101	0.064214432	0.65734328	
ENSG0000018673	1	145153	8316368	FAM103A	protein coding	-0.22672641	0.04062653	-0.10095947	0.49200260	0.44767674	0.48371269	-0.26997487	0.192768	-0.2637074	0.3570784	0.00000000	0.9116889	0.18891556	0.18891556	
ENSG0000020477	1	1390447	1390447	AC01984.1	antisense_intronic	-0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666	0.02066666
ENSG0000020376	12	8940361	8949781	MRPR	protein coding	0.1897235	0.14240710	0.2074304	0.14839040	-0.1011881	0.8198509	0.0568866	0.01747338	0.24483211	0.014555538	0.02126488	0.90587549	0.052387749	0.017786310	0.71786310
ENSG0000014961	11	17199370	17170749	PCSK2	protein coding	-0.03070538	0.73262247	0.01879402	0.2599264	0.04834342	0.42729952	0.2057345	0.3333626	0.0417394	0.97612311	0.04122299	0.80528707	0.17669835	0.21115329	0.17669835
ENSG0000022975	1	10122923	10122923	AC09433.1	antisense_intronic	-0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444	0.03444444
ENSG0000012867	3	17896112	17892113	ZMAT3	protein coding	0.141434052	0.021844106	0.25541182	0.0741818	0.270094541	0.17303329	0.05484487	0.00724088	0.158756549	0.02094622	0.00904922	0.90541043	0.04313143	0.56887319	0.04313143
ENSG0000012828	2	3684940	3811688	BEZL1	protein coding	-0.16296364	0.02696940	-0.10313754	0.04753086	-0.2537895	0.0741487	-0.1179236	0.3917931	-0.2218651	0.16681169	0.02092457	0.9059279	0.2444627	0.1543635	0.2444627
ENSG0000016039	9	3671999	3671999	AC09903.1	antisense_intronic	-0.27681922	0.012023118	-0.07158064	0.4348693	0.02667234	0.474468	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496
ENSG0000069799	19	1982790	1982790	AC12406.1	antisense_intronic	-0.07486679	0.5203547	0.02915155	0.6898928	-0.05497379	0.0741843	0.11530136	0.5685584	-0.0082829	0.05927818	0.02092457	0.9090148	0.04466127	0.1196328	0.04466127
ENSG0000000176	4	1583678	1583678	PKOY1	protein coding	-0.39488012	0.01706504	-0.19477447	0.2626234	0.02485381	0.6484752	-0.1031308	0.264375	-0.3067136	0.0468624	0.02092457	0.9062589	0.26917549	0.0416137	0.26917549
ENSG0000016039	9	3671999	3671999	AC09903.1	antisense_intronic	-0.27681922	0.012023118	-0.07158064	0.4348693	0.02667234	0.474468	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496	0.0274496
ENSG0000013376	5	17451305	174514307	GAUGHPT1	processed_pseudogene	-0.121448652	0.29423269	0.02929929	0.8868132	0.23382814	0.23428161	-0.19339799	0.3239978	-0.28998724	0.03833769	0.02092457	0.9068578	0.05927818	0.04466127	0.05927818
ENSG0000011581	2	21692715	21695489	IGFBP5	protein coding	-0.34197762	0.0243733	-0.0953698	0.8202618	-0.39489697	0.05817035	-0.18337789	0.398881	-0.40889453	0.02092457	0.02092457	0.906271	0.33762514	0.04686127	0.33762514
ENSG0000022947	1	1317971	1317971	AC00119.1	antisense_intronic	-0.2040883	0.04382068	-0.0548041	0.11234905	0.29218951	0.198411	-0.18370203	0.4143472	-0.3274164	0.01699884	0.02092457	0.9081987	0.23418037	0.01699884	0.23418037
ENSG0000020430	16	1908831	1908832	AC09958.1	antisense_intronic	-0.30429364	0.07171629	-0.17711563	0.21874400	-0.22229718	0.2235868	-0.2427254	0.22242844	-0.3067807	0.02092457	0.02092457	0.90845263	0.02092457	0.02092457	0.02092457
ENSG0000019780	11	1127150	11224899	BCO2	protein coding	-0.18947259	0.08898974	-0.04204358	0.7692192	-0.2288447	0.2511399	0.01625200	0.92801238	-0.18662378	0.14863652	0.02092457	0.9050870	0.00000000	0.00000000	0.00000000
ENSG0000018862	17	9171428	90151718	H19	transcribed_unit	-0.17216918	0.13432152	0.03871058	0.8055481	0.29777748	0.1320955	0.10272575	0.8122953	-0.7549317	0.20414709	0.02092457	0.9050870	0.25543714	0.0718498	0.25543714
ENSG0000027489	12	11806388	11806725	AC11238.1	antisense_intronic	-0.110288	0.0960933	-0.14903166	0.31312448	-0.0480686	0.87116841	0.26182771	0.18707745	-0.2673584	0.05064478	0.02092457	0.9050870	0.14825241	0.03034722	0.14825241
ENSG0000012878	7	1244344	12448383	STRP2	protein coding	-0.1801301	0.0975789	-0.0438874	0.7632190	-0.1072244	0.94448559	0.0271959	0.6458807	-0.18321652	0.14179514	0.02092457	0.9050870	0.25212200	0.07733920	0.25212200
ENSG0000025474	12	470047	471021	QAU1	antisense_intronic	-0.2846292	0.0121118	-0.1152903	0.40496401	0.29816883	0.19382104	-0.1932799	0.3698217	-0.1878691	0.0187896	0.02092457	0.9050870	0.35098194	0.02092457	0.35098194
ENSG0000023286	15	10048491	10080758	AC01572.1	antisense_intronic	-0.21838602	0.05588411	-0.0524591	0.8180776	-0.2702808	0.16183521	0.00131406	0.94662139	-0.2181480	0.09191794	0.02092457	0.9050870	0.28221033	0.0470789	0.28221033
ENSG0000018799	2	3383502	3383742	RHOAIP19	processed_pseudogene	-0.15286213	0.18431389	-0.0748235	0.85587089	0.3272178	0.10991507	-0.0216780	0.81425927	-0.18624612	0.14789166	0.02092457	0.9050870	0.0842677	-0.2078099	0.0842677
ENSG0000014516	1	5337941	5340982	FPL1	protein coding	-0.2294038	0.0470708	-0.0097167	0.898927	0.06959711	0.14303884	-0.0504740	0.80278137	-0.2119078	0.02092457	0.9050870	0.0842677	0.28259139	0.0449481	0.28259139
ENSG0000023908	3	4936545	4936708	HNRNPA17	antisense_intronic	-0.13910526	0.22760373	-0.1334474	0.35881720	0.00629302	0.86199212	-0.38814483	0.05882445	-0.24811794	0.0704464	0.02092457	0.9050870	0.04383334	0.0704464	0.04383334
ENSG0000029939	16	863312	863437	AC02167.1	antisense_intronic	-0.08777782	0.44882778	0.04304507	0.78992420	0.13747211	0.2059838	0.03894667	0.78988553	-0.10784991	0.4345299	0.02092457	0.9088821	0.1388819	0.33716207	0.1388819
ENSG0000019835	15	9209797	9209797	AC02167.1	antisense_intronic	-0.08777782	0.44882778	0.04304507	0.78992420	0.13747211	0.2059838	0.03894667	0.78988553	-0.10784991	0.4345299	0.02092457	0.9088821	0.1388819	0.33716207	0.1388819
ENSG0000012987	20	3347720	3348444	BFIP8B	transcribed_unit	-0.07103258	0.0111968	-0.1186376	0.36132889	0.10415504	0.80515028	-0.2025707	0.10188387	-0.0476721	0.02092457	0.90754491	0.27278451	0.05524271	0.27278451	0.05524271
ENSG0000028989	6	2148958	2152144	LOC10581	antisense_intronic	-0.24082883	0.03026287	-0.05870221	0.87971978	-0.2811093	0.15866297	-0.0935547	0.84243254	-0.2717924	0.04768181	0.02092457	0.9078241	0.2890648	0.0468443	0.2890648
ENSG0000028092	1	1803731	1803731	AC02592.1	antisense_intronic	-0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631
ENSG0000015666	16	2703058	2722178	KDM8	protein coding	-0.15620876	0.1748875	-0.05801024	0.79742572	-0.074504	0.89271283	-0.0032626	0.90969812	-0.2183731	0.11268105	0.02092457	0.9050870	0.18160446	0.0688130	0.18160446
ENSG0000028730	2	7684475	7689898	AC0816.3	antisense_intronic	0.00834588	0.2423078	0.02445375	0.8813971	0.0998784	0.8363544	-0.04011670	0.8423933	-0.0040252	0.8274583	0.02092457	0.9071438	0.0344884	0.7930530	0.0344884
ENSG0000027840	1	2011667	2011667	AC01017.1	antisense_intronic	-0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149	0.01389149
ENSG0000019788	20	2519663	2528074	ENTPF6	protein coding	-0.13708255	0.2345528	-0.11043107	0.40527125	-0.16555233	0.40261537	0.18413578	0.35787655	-0.1247862	0.0825784	0.02092457	0.9071438	0.26785472	0.03056204	0.26785472
ENSG0000011530	2	7459643	7470126	POL.E	protein coding	0.46088957	0.00729213	0.06345027	0.6760838	0.6481186	0.0092488	0.09591106	0.6340480	0.4663831	0.02092457	0.9078581	0.4632656	0.0071048	0.4632656	0.0071048
ENSG0000025423	4	8633324	8634329	AC10370.1	antisense_intronic	-0.04778810	0.67975157	-0.0802483	0.85768730	-0.14271193	0.02004992	-0.15867028	0.18687084	-0.2500666	0.02092457	0.906271	0.0027114	0.0688570	0.0027114	0.0688570
ENSG0000018847	11	1512424	1524720	INSC	protein coding	-0.27124447	0.01702714	-0.14891745	0.3086103	-0.32029768	0.1013204	-0.24958262	0.20301189	-0.13773334	0.01203037	0.02092457	0.9088221	0.28094713	0.0440374	0.28094713
ENSG0000028786	14	1189844	1189844	AC01452.1	antisense_intronic	-0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631	0.0241631
ENSG0000012535	17	7187187	7198141	DGSC	protein coding	-0.15005889	0.19190373	-0.0248673	0.80870104	-0.11320877	0.87700103	-0.06230931	0.78581189	-0.12625274	0.01786105	0.02092457	0.9050870	0.04862210	0.23108105	0.04862210

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and a list of associated numerical values. The table contains multiple rows of data for various genes such as KRT18P13, LOC101928, and many others.

ENSG00000105404	19	41956681	41956321	RABAC1	protein coding	0.069850268	0.551272518	-0.048734296	0.738905080	0.000161713	0.999361274	-0.102343499	0.618089379	0.042210389	0.761844841	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000105479	7	10869777	10869777	TRAF3IP1	protein coding	0.110623235	0.533310179	0.03262979	0.737260265	0.000120000	0.999879999	-0.033474561	0.866366779	0.056748889	0.753413376	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000105480	7	71144196	71144196	GLTP2A	transcript processed pseudogene	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
ENSG00000203147	10	11988970	11988942	MLK1705	lincRNA	-0.23426331	0.04190608	-0.02463420	0.88519180	0.02768895	0.97231167	-0.03482750	0.81120669	0.26209477	0.05555480	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000108288	2	48969637	48968778	ORC1L2	protein coding	0.15480403	0.71851689	0.07242712	0.60480418	0.02622814	0.97378184	-0.02721811	0.8338780	0.1818716	0.4667143	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000107493	7	75021	75021	RPL30	protein coding	0.11332600	0.57937962	0.03262979	0.737260265	0.000120000	0.999879999	-0.033474561	0.866366779	0.056748889	0.753413376	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000107693	11	4912588	4919350	RCS1	protein coding	-0.10163716	0.07885743	-0.23962527	0.907595927	0.18355101	0.81647675	-0.34408107	0.678388	-0.19615438	0.018282739	0.93401227	0.161602507	0.26207050	0.26207050
ENSG00000117693	16	17362463	17368584	DARS2	protein coding	-0.01237474	0.91245252	0.09334069	0.84934088	0.01470308	0.98529707	-0.10227304	0.55202889	-0.05877999	0.67289524	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000108117	16	935598	940317	TRAF3IP1	protein coding	0.110623235	0.533310179	0.03262979	0.737260265	0.000120000	0.999879999	-0.033474561	0.866366779	0.056748889	0.753413376	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000207434	16	4532616	4537070	AC023733	lincRNA	-0.05681886	0.35981355	-0.05874578	0.90354738	0.15920470	0.8454448	-0.22425504	0.64738804	-0.09849194	0.018282739	0.93401227	0.161602507	0.26207050	0.26207050
ENSG00000104281	3	10617484	10621985	MLK17048	transcript processed pseudogene	-0.15952431	0.17969789	-0.10855739	0.4488210	0.01343678	0.98647362	-0.04272680	0.07039354	-0.06583696	0.02529677	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000107494	16	17362463	17368584	TRAF3IP1	protein coding	0.110623235	0.533310179	0.03262979	0.737260265	0.000120000	0.999879999	-0.033474561	0.866366779	0.056748889	0.753413376	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000104095	16	4670282	4670407	MLK13	protein coding	-0.33691355	0.02727033	-0.1558421	0.2804968	0.04125881	0.95827118	-0.32753922	0.09539789	-0.45026283	0.00036306	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000108390	4	14377392	14378075	FREM2	protein coding	-0.10468481	0.06817257	-0.1313018	0.5834337	0.2842111	0.71336672	-0.24248811	0.38129046	-0.26573763	0.03620470	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000107093	13	13174070	13174070	RAC1F1	protein coding	0.09938	0.38988569	0.03841757	0.78871923	0.00766452	0.99233845	-0.06981890	0.77448005	0.1005769	0.46933208	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000202372	X	27981449	27981449	CAF4FL1	protein coding	-0.14937899	0.19475212	-0.01326609	0.95745554	0.1904763	0.84313703	-0.00140792	0.9994431	-0.18974450	0.06931289	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000103404	5	92151	109972	PLEKHG4B	protein coding	-0.33136343	0.00214661	-0.10460358	0.40971038	0.2842375	0.71433778	-0.20656805	0.30724613	-0.39218719	0.03339968	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000203495	9	3015738	3015737	RPL30	protein coding	-0.14869572	0.19400419	-0.0400419	0.91259616	0.06941674	0.7398900	-0.27349203	0.07400890	0.59747298	0.018282739	0.93401227	0.161602507	0.26207050	0.26207050
ENSG00000202901	1	7079641	7078648	MLK1768	lincRNA	-0.085108072	0.4611961	-0.03289538	0.80259004	0.06932298	0.88471269	-0.12743189	0.53729385	-0.01781007	0.018282739	0.93401227	0.161602507	0.26207050	0.26207050
ENSG00000104120	3	14041430	14040890	CLC3A3	protein coding	-0.05961378	0.60433883	-0.0231448	0.76217077	0.16241708	0.81424959	-0.04699782	0.81582440	-0.06688872	0.0317664	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000208988	1	2350414	2352620	AL513771	transcript processed pseudogene	-0.07898913	0.449221034	-0.08959268	0.58016145	0.01251202	0.98749623	-0.05317796	0.30409988	-0.00032844	0.02509283	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000205111	11	49892282	4989377	AC020587.2	transcript processed pseudogene	-0.096211483	0.405196384	-0.02742478	0.80053290	0.10274281	0.87903912	-0.046420504	0.81815540	-0.12005522	0.3862201	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000202620	4	775407	777829	APAF1-AS1	lincRNA	-0.189353927	0.09970153	-0.07789398	0.5917555	-0.18283131	0.81400001	-0.18012552	0.32891924	-0.27038203	0.04254449	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000109744	4	1650154	1689878	LDR	protein coding	-0.21296443	0.01018681	-0.09194481	0.52538491	0.23289122	0.83482193	-0.24689702	0.42983712	-0.36496213	0.07075923	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000208287	11	11840102	11842373	AP001287.5	protein coding	0.196582423	0.04592568	0.14952568	0.71258103	0.22005039	0.92352141	0.35847683	0.60797894	0.05428281	0.01720143	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000107335	20	2390240	2390517	CS19	protein coding	-0.18007862	0.16317817	-0.12934428	0.70399787	0.14138887	0.84817947	-0.26128744	0.35410293	-0.16511534	0.02381583	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000105138	9	98713326	9878965	ANKK5	protein coding	-0.14448809	0.09289118	-0.03422367	0.81347698	0.00383638	0.98771808	-0.07288901	0.89012768	-0.23729204	0.03272783	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000207196	1	14885101	14885124	HIC9	protein coding	0.04252328	0.14570009	0.04444314	0.75295180	0.10406136	0.80547468	0.09010214	0.15208105	0.01707116	0.018282739	0.93401227	0.161602507	0.26207050	0.26207050
ENSG00000204118	10	11039622	11039732	RPL13AP3	transcript processed pseudogene	0.1241175	0.28219079	0.1103753	0.4043286	0.21265513	0.76951537	0.20047297	0.31624289	0.19684117	0.15347819	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000105640	11	7296920	7296920	AC020587.1	transcript processed pseudogene	-0.07898913	0.449221034	-0.08959268	0.58016145	0.01251202	0.98749623	-0.05317796	0.30409988	-0.00032844	0.02509283	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000200922	11	9441550	9443885	MRE11	protein coding	0.26104107	0.01957598	0.13797226	0.3831688	0.07787894	0.91608739	0.30851406	0.61734270	0.38071455	0.0079633	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000201248	10	12079630	12079704	CLC3A3P1	transcript processed pseudogene	-0.0737118	0.6205561	-0.03555559	0.8091867	0.08421438	0.87621784	0.12941378	0.51999815	0.02242972	0.87293705	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000201216	10	12079630	12079704	CLC3A3P1	transcript processed pseudogene	-0.0737118	0.6205561	-0.03555559	0.8091867	0.08421438	0.87621784	0.12941378	0.51999815	0.02242972	0.87293705	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000207750	5	12867381	12867401	MLC2A3RP	transcript processed pseudogene	-0.148658182	0.18774667	-0.01653319	0.8078520	-0.19735868	0.32077243	-0.04205657	0.83325447	-0.24052455	0.07973238	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000204728	16	30816998	3082377	AC01057.2	lincRNA	-0.02888158	0.806077139	-0.04528178	0.31573294	0.2456272	0.71862997	-0.18818988	0.34718738	-0.15613508	0.01436363	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000207425	9	98713326	9878965	ANKK5	protein coding	-0.14448809	0.09289118	-0.03422367	0.81347698	0.00383638	0.98771808	-0.07288901	0.89012768	-0.23729204	0.03272783	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000204883	8	4246540	4246888	SERP1P	transcript processed pseudogene	-0.04354586	0.70688767	-0.0278618	0.84766703	0.04562772	0.78168857	-0.04747504	0.61409487	-0.0262013	0.8008183	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000208735	14	10384721	10389040	MLK10637	lincRNA	-0.14567181	0.06994248	-0.10128785	0.48009288	0.20135474	0.82873151	-0.2224731	0.26499919	-0.28828219	0.04517507	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000208514	4	7348175	7348001	AFM	protein coding	-0.15688853	0.16538193	-0.06245288	0.67865480	0.00062055	0.90211339	-0.1827648	0.522110776	-0.17852362	0.01470403	0.018282739	0.93401227	0.161602507	0.26207050
ENSG00000208555	11	7288958	7289582	AP003085.1	lincRNA	-0.04758909	0.68120953	-0.01848918	0.84158668	-0.138586	0.9098607	-0.16009157	0.42055871	-0.05042488	0.01747183	0.0			

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Description, RefSeq Accession, RefSeq Description. The table lists numerous genes and their associated features, such as AC004169.1, AC004170.1, AC004171.1, etc., with their respective genomic coordinates and descriptions.

ENSG0000010714	9	5299964	5304716	RIN2	protein coding	-0.00320515	0.97714067	0.02426072	0.86718550	0.18161527	0.36407905	0.00526778	0.87919534	0.00353762	0.97974508	0.01289173	0.95362670	0.02340853	0.87116941	
ENSG0000010719	11	5274472	5284771	RPL1	protein coding	-0.19910084	0.90404261	-0.14457071	0.11687811	0.16325907	0.49718554	-0.23700307	0.23903300	-0.34918699	0.96652627	0.01296331	0.95372706	0.03572706	0.33571504	0.85342923
ENSG0000020093	X	2401274	2401274	LOC10820.4	transcript processed	-0.23667279	0.93829531	-0.13309169	0.25683891	0.42318879	0.28133303	-0.24999477	0.20827429	-0.30226695	0.02324427	0.01283291	0.95363801	0.02324427	0.10903353	0.85342923
ENSG0000024214	2	5300423	5300423	SERPIN3P1	protein coding	-0.15085181	0.90363614	-0.01708307	0.62439650	-0.11607154	0.34787426	0.07134507	0.73508861	-0.22658414	0.05881503	0.01283291	0.95363801	0.02324427	0.03626923	0.85342923
ENSG0000016613	11	5650789	5650789	LOC101928.1	transcript processed	-0.17514232	0.91781952	-0.02843814	0.29843814	0.02843814	0.29843814	0.02843814	0.29843814	0.02843814	0.02843814	0.01283291	0.95363801	0.02324427	0.36381123	0.85342923
ENSG0000019854	11	10434286	10436936	CASP4	protein coding	-0.09351584	0.94042358	-0.15668025	0.17714442	0.12121713	0.64405566	-0.26660480	0.19634134	0.07932783	0.05881503	0.01283291	0.95363801	0.02324427	0.32460233	0.85342923
ENSG0000025919	6	7676142	7676243	THAP2P7	transcript processed	-0.10512345	0.91692141	-0.04701758	0.17698546	0.02162629	0.62147295	-0.06038001	0.78478078	-0.09266265	0.03139430	0.01283291	0.95363801	0.02324427	0.64134959	0.85342923
ENSG0000017246	9	32485149	32485149	LOC101928.1	transcript processed	-0.10512345	0.91692141	-0.04701758	0.17698546	0.02162629	0.62147295	-0.06038001	0.78478078	-0.09266265	0.03139430	0.01283291	0.95363801	0.02324427	0.64134959	0.85342923
ENSG0000018201	16	2569199	2569199	HSS1A7	protein coding	-0.17029372	0.13880249	-0.01920574	0.91572900	0.06139292	0.52364678	-0.24239910	0.07211032	-0.24239910	0.07211032	0.01283291	0.95363801	0.02324427	0.19184542	0.85342923
ENSG0000017049	7	761259	761259	KCNAB5	protein coding	-0.14651968	0.92339662	-0.08189362	0.63085185	-0.07390173	0.15988811	-0.16781962	0.62726481	-0.01894145	0.14399594	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000017594	19	1502825	1502825	CYFP22	protein coding	-0.09648839	0.94038473	-0.11432827	0.42927459	0.07649574	0.70451681	-0.36011779	0.07333512	-0.27223831	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923	
ENSG0000028717	10	8703717	8703818	SL15893.2	transcript processed	-0.06167480	0.94427172	-0.07282974	0.63340224	-0.13131059	0.38129133	-0.08943868	0.67300591	-0.06493404	0.96283369	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000015103	4	14801826	14844468	NBC2L	protein coding	-0.15692911	0.10909201	-0.09373763	0.69589141	-0.18980537	0.32069362	-0.01692291	0.93323254	-0.28117722	0.03689791	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000018786	11	12511311	12512671	KRT18BP5	transcript processed	-0.32088585	0.00334073	-0.17228921	0.29387500	-0.17318540	0.40257547	-0.23028734	0.27844529	-0.32088585	0.00334073	0.01283291	0.95363801	0.02324427	0.32088585	0.85342923
ENSG0000024238	3	12627238	12691838	LINC0214.4	transcript processed	-0.22673078	0.94479861	-0.01941586	0.96097279	-0.28692768	0.14383552	-0.23099997	0.24634348	-0.42809788	0.00212689	0.01283291	0.95363801	0.02324427	0.19053491	0.85342923
ENSG0000020771	22	2195270	2195270	LOC101928.1	transcript processed	-0.14041310	0.92150418	-0.06473178	0.65513311	-0.22974913	0.21193195	-0.13532705	0.50515956	-0.10713965	0.15240489	0.01283291	0.95363801	0.02324427	0.14158697	0.85342923
ENSG0000018113	12	5032383	5032383	LARP4	protein coding	-0.08040474	0.46231184	-0.01926988	0.52881422	-0.22728513	0.18689195	-0.16488407	0.41242451	-0.19077884	0.31887783	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000025337	11	10424919	10424920	AP0183.1	transcript processed	-0.00781271	0.94796743	-0.08428020	0.68898284	-0.07279643	0.71217687	-0.08068190	0.74700873	-0.01851813	0.88851466	0.01283291	0.95363801	0.02324427	0.00851006	0.85342923
ENSG0000023932	12	3028117	3028962	CAT01.1	transcript processed	-0.03244732	0.78734386	-0.12154418	0.40519641	0.05911033	0.71766297	-0.07476693	0.29962654	-0.02103811	0.15446681	0.01283291	0.95363801	0.02324427	0.02303054	0.85342923
ENSG0000025224	7	15719236	15719237	RN72AP12	transcript processed	-0.06628758	0.56903592	-0.04553334	0.78387817	-0.13182627	0.51216948	-0.16417384	0.41195880	-0.10402165	0.45412801	0.01283291	0.95363801	0.02324427	0.01174629	0.85342923
ENSG0000023701	2	365726	367124	LINC02304	transcript processed	-0.20527275	0.97330562	-0.04734880	0.74146801	-0.15340758	0.44468787	-0.00764251	0.86981076	-0.15998420	0.24801784	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000025274	3	18912094	19014517	PDR-AS1	transcript processed	-0.17924207	0.11879572	-0.12130171	0.40139077	-0.03376824	0.97187444	-0.18871366	0.33039263	-0.17231879	0.21276624	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000025276	3	15343290	15343844	CROCCP1	transcript processed	-0.23241268	0.04274077	-0.09786693	0.49894847	-0.33485116	0.10243368	-0.44863648	0.02416768	-0.40806346	0.02416768	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000028522	6	2601396	2602389	LOC101928.1	transcript processed	-0.07148147	0.53881958	-0.14262555	0.71944414	-0.10309207	0.42389738	-0.33177846	0.09009201	-0.04824574	0.72361777	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000027791	9	9200545	92008403	RN72S.57P	transcript processed	-0.13703813	0.22982949	-0.00071337	0.98614924	-0.08949387	0.90198901	-0.07029280	0.87242718	-0.14419903	0.29891201	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000029932	9	3948896	3958841	DLL3	protein coding	-0.15110421	0.13838892	-0.05290053	0.71496227	-0.15044208	0.43582503	-0.18595491	0.55970761	-0.19494451	0.18582029	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000020017	11	12021217	12021217	LOC101928.1	transcript processed	-0.02848361	0.94349691	-0.02848361	0.94349691	-0.02848361	0.94349691	-0.02848361	0.94349691	-0.02848361	0.94349691	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000028056	11	9842048	9842311	LOC101928.1	transcript processed	-0.04713924	0.68330307	-0.04088827	0.71624241	-0.27076609	0.23380481	-0.12944223	0.51988801	-0.03872449	0.78184203	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000021644	22	2322472	2322929	IGLV1.51	transcript processed	-0.18101181	0.11395739	-0.24445042	0.90710425	-0.06828231	0.71336959	-0.35396807	0.07079221	-0.12404716	0.36932740	0.01283291	0.95363801	0.02324427	0.14202997	0.85342923
ENSG0000023442	11	9840831	9840831	LOC101928.1	transcript processed	-0.04713924	0.68330307	-0.04088827	0.71624241	-0.27076609	0.23380481	-0.12944223	0.51988801	-0.03872449	0.78184203	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG00000249175	5	9478879	9478879	LOC101928.1	transcript processed	-0.27359734	0.01543344	-0.18446474	0.17624128	-0.32062513	0.29704031	-0.40036941	0.03857041	-0.36060917	0.02026011	0.01283291	0.95363801	0.02324427	0.2817866	0.85342923
ENSG0000021658	17	3124254	3226374	RHOT1	protein coding	-0.04387426	0.70631461	-0.13970738	0.48602661	-0.33384267	0.62272194	-0.18931336	0.34472954	-0.00715833	0.66274143	0.01283291	0.95363801	0.02324427	0.01292603	0.85342923
ENSG0000023390	11	94811914	94811914	LOC101928.1	transcript processed	-0.04387426	0.70631461	-0.13970738	0.48602661	-0.33384267	0.62272194	-0.18931336	0.34472954	-0.00715833	0.66274143	0.01283291	0.95363801	0.02324427	0.01292603	0.85342923
ENSG00000213601	2	1891131	1891137	KRT18BP1	protein coding	-0.02804946	0.80065856	-0.03114133	0.80065856	-0.21674047	0.26602100	-0.12930068	0.52360628	-0.03954204	0.71896233	0.01283291	0.95363801	0.02324427	0.16441793	0.85342923
ENSG0000010497	19	49621037	4962922	PTWD1	protein coding	-0.04728534	0.62899363	-0.01339539	0.81972934	-0.02845934	0.68551707	-0.07196816	0.72130477	-0.08951868	0.61971767	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000014826	11	9089292	9089292	LOC101928.1	transcript processed	-0.04728534	0.62899363	-0.01339539	0.81972934	-0.02845934	0.68551707	-0.07196816	0.72130477	-0.08951868	0.61971767	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG00000232882	1	10089292	10089292	LOC101928.1	transcript processed	-0.04728534	0.62899363	-0.01339539	0.81972934	-0.02845934	0.68551707	-0.07196816	0.72130477	-0.08951868	0.61971767	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000011264	6	3904871	3904871	GLIPI1	protein coding	-0.30711101	0.00591291	-0.17072242	0.25873778	-0.13660399	0.68383941	-0.08780571	0.45359971	-0.38999516	0.00030767	0.01283291	0.95363801	0.02324427	0.95402873	0.85342923
ENSG0000029887	11	12981587	12981587	LOC101928.1	transcript processed	-0.04728534	0.62899													

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Transcription Start Site, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. The table lists numerous genes and their associated genomic coordinates and features.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Description, RefSeq Accession, RefSeq Description, RefSeq Accession, RefSeq Description. The table lists numerous genes and their associated genomic coordinates and features.

Table with 15 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Type, RefSeq Class, RefSeq Category, RefSeq Subcategory, RefSeq Subtype, RefSeq Subclass, RefSeq Subgroup. The table lists various genes and their associated features across different chromosomes.

Table with 10 columns: Gene ID, Chr, Position, Gene Name, Type, and a list of 100 numerical values. The table contains 100 rows of data, each representing a different gene and its associated values.

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand. Contains genomic coordinates and gene annotations for various genes like SEC13B, GSK3B, RAB11B, etc.

ENSG0000007910	9	3573666	3574223	GBA2	protein coding	-0.08207032	0.47186659	0.05967636	0.50715550	0.20040347	0.31611370	0.16298396	0.38643368	-0.11376132	0.41274743	-0.01512324	0.95120631	0.16354071	0.25642933	
ENSG0000017725	8	24792489	24793333	GLI1	protein coding	-0.20654235	0.27154327	-0.19156968	0.46878774	-0.07481241	0.48124333	0.21144811	0.56964031	-0.27429273	0.31812627	-0.01535620	0.81412320	0.15220937	0.18671729	
ENSG0000007913	4	3371754	3371814	ALG3	mRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000008356	20	31944337	31952040	PER1	protein coding	-0.00246773	0.94325231	0.05242491	0.68611794	0.08454277	0.67883021	0.19318742	0.33432060	0.04045775	0.80718625	-0.01539773	0.95110764	0.02520031	0.17140353	
ENSG0000009529	6	6924629	6925111	USP105B2	mRNA	-0.15376342	0.11001149	-0.10552452	0.46567069	-0.04704298	0.71023301	-0.27373937	0.23293260	-0.25565073	0.02602676	-0.15550030	0.80769368	0.14260000	0.33170248	
ENSG0000015374	8	88726294	88726294	RP23-282A1	transcript processed pseudogene	0.19432000	0.00000000	0.19432000	0.00000000	0.19432000	0.00000000	0.19432000	0.00000000	0.19432000	0.00000000	0.19432000	0.00000000	0.19432000	0.00000000	0.19432000
ENSG0000012449	47	4371676	43720021	IRGC	protein coding	-0.08028204	0.48763184	-0.07748010	0.77480710	-0.10749450	0.40487408	-0.04832363	0.81028463	-0.08039444	0.55068687	-0.01375654	0.95768546	-0.10370708	0.45371749	
ENSG0000015639	11	5834095	5834215	GLATL2	mRNA	-0.05549348	0.40436909	-0.05094242	0.65734401	-0.13786111	0.45426303	-0.04561820	0.82124793	-0.17348781	0.14343690	-0.01360390	0.95058953	-0.01013639	0.57443340	
ENSG0000016432	14	18699314	18699314	LOC101928662	transcript processed pseudogene	-0.03202000	0.00000000	-0.03202000	0.00000000	-0.03202000	0.00000000	-0.03202000	0.00000000	-0.03202000	0.00000000	-0.03202000	0.00000000	-0.03202000	0.00000000	
ENSG0000009586	10	4675919	4676070	SLU12P2	transcript processed pseudogene	-0.13350315	0.24701709	-0.07754441	0.60573444	-0.10749450	0.40487408	-0.04832363	0.81028463	-0.08039444	0.55068687	-0.01375654	0.95768546	-0.10370708	0.45371749	
ENSG0000018898	19	12317477	12317477	ZNF363	protein coding	-0.08849494	0.44436221	-0.08612421	0.64791483	-0.12121262	0.50669703	-0.12720260	0.27468794	-0.18863604	0.31373554	-0.01364573	0.95027248	-0.02496534	0.86828460	
ENSG0000002589	11	1270444	1271811	BRP1A3	protein coding	-0.08849494	0.44436221	-0.08612421	0.64791483	-0.12121262	0.50669703	-0.12720260	0.27468794	-0.18863604	0.31373554	-0.01364573	0.95027248	-0.02496534	0.86828460	
ENSG0000016686	12	5741259	5741759	MARS1	protein coding	-0.18313937	0.14336206	-0.11233395	0.43784701	-0.14732111	0.40417658	-0.10718469	0.33787488	-0.20161474	0.10481103	-0.01370499	0.95027248	-0.15420768	0.28461123	
ENSG0000042507	20	3562082	3562082	FOXP401.1	transcript processed pseudogene	-0.06996349	0.54521763	-0.03895242	0.78121423	-0.12333320	0.56695313	-0.10075598	0.68908448	-0.02619526	0.73391222	-0.01212459	0.94024597	-0.03663368	0.53134111	
ENSG0000012878	11	17192448	17192448	HAT1	protein coding	-0.34983273	0.00049178	-0.05204207	0.54549511	-0.02818088	0.716066	-0.07307851	0.29533928	-0.40711891	0.00021098	-0.01372838	0.86047861	-0.04341112	0.00018889	
ENSG0000023743	3	17137317	17137365	AC086759.1	mRNA	0.0121201	0.92292007	0.12725441	0.37748580	0.12933328	0.33476155	0.13422599	0.25003284	0.14510191	0.13422599	0.03391224	-0.01373765	0.94077244	0.52544401	
ENSG0000018818	11	22613749	22613749	SNIP	protein coding	0.00663767	0.56813777	-0.14204738	0.32511207	0.48934246	0.09383104	-0.38145501	0.06868078	0.01198854	0.74931379	-0.01747374	0.95304633	-0.14443444	0.06663430	
ENSG0000020337	10	15612747	15617742	PNP1R3	protein coding	-0.08740304	0.42620701	-0.11339666	0.64897761	-0.03114497	0.6743001	-0.20297474	0.13989129	-0.02097117	0.96973698	-0.01772781	0.95120631	-0.13970474	0.13970474	
ENSG0000028570	12	30696121	30700203	AC012673.1	mRNA	-0.08386841	0.47202153	-0.05016899	0.67241536	-0.10749450	0.40487408	-0.04832363	0.81028463	-0.08039444	0.55068687	-0.01375654	0.95768546	-0.10370708	0.45371749	
ENSG0000028935	14	9057486	9059970	ALN9869.1	mRNA	-0.19689589	0.00712009	-0.11744573	0.41832927	-0.08729129	0.66351881	-0.14124170	0.48222908	-0.17111193	0.12459300	-0.01381025	0.95013806	-0.23252778	0.10416411	
ENSG0000027248	19	4507449	4507449	AC010332.1	mRNA	-0.14748166	0.20091495	-0.02071718	0.49303495	-0.29897473	0.14371075	-0.17162031	0.54562520	-0.27189196	0.04669891	-0.01381025	0.95013806	-0.23252778	0.10416411	
ENSG0000022748	11	11338517	11342402	NCAM1-AS1	mRNA	-0.25086565	0.02689297	-0.15534497	0.41832927	-0.11745170	0.59594446	-0.22897044	0.25481037	-0.25635364	0.06113884	-0.01381025	0.95013806	-0.23252778	0.10416411	
ENSG0000020461	11	52113091	52113091	ZNF16	protein coding	-0.10940410	0.92801743	-0.19134028	0.18320140	-0.26071508	0.1892025	-0.486221	0.01012588	-0.13811851	0.31845528	-0.01381025	0.95013806	-0.23252778	0.10416411	
ENSG0000022693	11	24671735	24671735	CP1184P1	transcript processed pseudogene	-0.07852527	0.61122027	-0.01386035	0.42481761	-0.25274828	0.20019629	-0.10240005	0.49573872	-0.02607051	0.70598108	-0.01381025	0.95013806	-0.23252778	0.10416411	
ENSG0000016686	12	5741259	5741759	MARS1	protein coding	-0.18313937	0.14336206	-0.11233395	0.43784701	-0.14732111	0.40417658	-0.10718469	0.33787488	-0.20161474	0.10481103	-0.01370499	0.95027248	-0.15420768	0.28461123	
ENSG0000027838	17	3704528	3702889	AC042935.5	mRNA	-0.27393788	0.01928811	-0.17352827	0.21741897	-0.11314712	0.58042678	-0.28441228	0.15048799	-0.28472873	0.00210788	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000017943	11	11189198	11189844	RP3736P9	transcript processed pseudogene	-0.01382129	0.94918197	-0.01709314	0.01017045	-0.01381025	0.49693954	-0.10293361	0.61083740	-0.07363611	0.95999624	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000023242	22	2331225	2330302	IGLL1	protein coding	-0.31827733	0.00341261	-0.18899536	0.19669203	-0.03110261	0.40100400	-0.36971635	0.05744202	-0.10119173	0.02624108	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000027186	4	5359223	5359341	MIRR8	mRNA	0.00094643	0.99335768	0.11415048	0.42991594	0.12635994	0.44581041	0.22407129	0.26191312	-0.11744551	0.39889274	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000015144	11	11982564	11982564	PCMA1P1	transcript processed pseudogene	-0.01382129	0.94918197	-0.01709314	0.01017045	-0.01381025	0.49693954	-0.10293361	0.61083740	-0.07363611	0.95999624	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000023270	24	21098811	21103724	TMEM53	protein coding	-0.20081728	0.10784481	-0.03987128	0.40104422	-0.10263196	0.59163317	-0.07019505	0.71855729	-0.24752627	0.01144098	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000022581	17	2052629	2056630	AC05730.1	transcript processed pseudogene	-0.16718941	0.14167974	-0.05166010	0.47150126	-0.22028397	0.26555748	-0.13134037	0.51793354	-0.23117558	0.08792223	-0.01402817	0.94343441	-0.17179191	0.23280205	
ENSG0000014750	19	14689474	14689474	PCMA1P1	transcript processed pseudogene	-0.01382129	0.94918197	-0.01709314	0.01017045	-0.01381025	0.49693954	-0.10293361	0.61083740	-0.07363611	0.95999624	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000014099	14	91866412	91947987	FBN3	protein coding	-0.08537373	0.44480710	-0.11153630	0.44019680	-0.24556782	0.20635109	-0.46658812	0.46558688	-0.21332100	0.12413523	-0.01402817	0.94343441	-0.17179191	0.23280205	
ENSG0000023230	7	36011117	36055431	AC03384.2	mRNA	-0.12010038	0.29814819	-0.01533262	0.51571782	-0.02151356	0.51924417	-0.12671199	0.52826469	-0.04653077	0.73009064	-0.01402817	0.94343441	-0.17179191	0.23280205	
ENSG0000027949	10	4211142	4211142	TEC	protein coding	0.44767642	0.00000000	0.44767642	0.00000000	0.44767642	0.00000000	0.44767642	0.00000000	0.44767642	0.00000000	0.44767642	0.00000000	0.44767642	0.00000000	
ENSG0000024473	4	6189257	6190171	ATXN3S	mRNA	-0.03750550	0.74576414	-0.01064401	0.60186401	-0.05853399	0.37532326	-0.08526328	0.63835124	-0.06106387	0.68098158	-0.01411808	0.90671182	-0.11252748	0.18120400	
ENSG0000025842	8	7199097	7199097	CA3	protein coding	-0.20344820	0.27015618	-0.16000508	0.43530181	-0.26385399	0.18038487	-0.38334551	0.04927238	-0.39388077	0.00012999	-0.01411808	0.90671182	-0.11252748	0.18120400	
ENSG0000025957	8	7689180	7688337	PCP3	transcript processed pseudogene	-0.01382129	0.94918197	-0.01709314	0.01017045	-0.01381025	0.49693954	-0.10293361	0.61083740	-0.07363611	0.95999624	-0.01381025	0.94989294	-0.25809783	0.07286538	
ENSG0000023429	7	27095647	27102025	HOXA10P1	transcript processed pseudogene	-0.15222988	0.17744606	-0.18810787	0.19389092	-0.13968787	0.48988774	-0.38079791	0.04829283	-0.20571841	0.13662738	-0.01487278	0.94891869	-0.13206115	0.36613969	
ENSG0000010312	10	10140333	10140333	B																

ENSG00000142988	1	31466883	34219111	C1orf67	protein coding	-0.32098048	0.00747139	-0.05133039	0.72332610	-0.1107049	1.1433311	-0.00800304	0.96640513	-0.29274674	0.026906168	-0.01588488	0.9329237	0.39043112	0.005060704	
ENSG00000142989	1	26748130	26867272	CDR1A	protein coding	-0.19775158	0.00747139	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	0.00747139
ENSG00000142990	14	19178333	19178333	CDR1B	protein coding	-0.19775158	0.00747139	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	-0.19775158	0.33572694	0.00747139
ENSG00000237360	7	26551486	26558880	AC004741	lincRNA	-0.33547171	0.00282344	-0.21540617	0.13920709	0.03622009	0.46882240	-0.40310250	0.07308417	-0.37113829	0.04093262	-0.01868756	0.93268007	0.30002163	0.03406810	
ENSG00000227742	1	5161186	5169489	transcript unannotated	transcript unannotated	-0.16692322	0.00602014	-0.01596801	0.05714624	-0.06657000	0.17516204	-0.06657000	0.17516204	-0.06657000	0.17516204	-0.06657000	0.17516204	-0.06657000	0.17516204	
ENSG00000265989	1	1438294	1438294	AC01917.2	transcript unannotated	-0.1438294	0.00000000	-0.1438294	0.00000000	-0.1438294	0.00000000	-0.1438294	0.00000000	-0.1438294	0.00000000	-0.1438294	0.00000000	-0.1438294	0.00000000	
ENSG0000025912	1	2635976	2891717	ITIC34	protein coding	-0.18444704	0.00505032	-0.0790178	0.52682830	-0.04143210	1.01007051	-0.14698854	0.46439908	-0.37516803	0.04691859	-0.01709222	0.95220622	0.3466632	0.01584230	
ENSG00000228004	3	18702313	18737388	LOC70222.1	protein coding	-0.269254	0.01466758	-0.1538174	0.286195	-0.33760891	0.08483765	-0.2657405	0.1830050	-0.34212967	0.01642681	-0.0174154	0.93246766	0.28001165	0.02453410	
ENSG00000181895	8	14371683	14372458	RNAP1B	protein coding	-0.1737483	0.13307843	-0.0370943	0.7081103	0.8428912	0.3732549	-0.1426986	0.5258987	-0.2456153	0.08112228	-0.01754387	0.90231369	0.11788037	0.03448024	
ENSG0000025551	8	7526326	7542540	PRR2AD1	protein coding	-0.15080797	0.19048584	-0.0568207	0.69687637	-0.0568207	0.73500907	-0.06292340	0.46478787	-0.16158886	0.02282153	-0.01748482	0.92323374	0.15429213	0.04786208	
ENSG0000011839	14	2448893	2448893	ITKASO	lincRNA	-0.04488003	0.08746015	-0.1307121	0.41890717	-0.07038607	0.2868630	-0.0826630	0.1757847	-0.0836305	0.0437658	-0.0170751	0.92323374	0.28001165	0.02453410	
ENSG00000243447	2	25996196	25996196	transcript unannotated	transcript unannotated	-0.1737483	0.13307843	-0.0370943	0.7081103	0.8428912	0.3732549	-0.1426986	0.5258987	-0.2456153	0.08112228	-0.01754387	0.90231369	0.11788037	0.03448024	
ENSG0000025551	8	7526326	7542540	PRR2AD1	protein coding	-0.15080797	0.19048584	-0.0568207	0.69687637	-0.0568207	0.73500907	-0.06292340	0.46478787	-0.16158886	0.02282153	-0.01748482	0.92323374	0.15429213	0.04786208	
ENSG0000011839	14	2448893	2448893	ITKASO	lincRNA	-0.04488003	0.08746015	-0.1307121	0.41890717	-0.07038607	0.2868630	-0.0826630	0.1757847	-0.0836305	0.0437658	-0.0170751	0.92323374	0.28001165	0.02453410	
ENSG0000016678	11	9639534	9639534	ZNF143	protein coding	-0.0034189	0.87991191	-0.0892628	0.55280068	-0.09814303	0.49029028	-0.1747431	0.4942642	-0.01435882	0.91786718	-0.0176307	0.9329237	0.09109233	0.71919148	
ENSG00000130985	X	47215128	47215128	ATBVE1	protein coding	-0.02373907	0.83762332	-0.05989758	0.60937566	-0.03354101	0.08882757	-0.15712342	0.46830078	-0.12782225	0.35714724	-0.0187626	0.92323374	0.09109233	0.71919148	
ENSG00000179297	8	51612529	5206713	PHD1	protein coding	-0.28982217	0.00195828	-0.0833227	0.58487369	-0.1444504	0.41217225	-0.08911916	0.68910204	-0.2634447	0.00443137	-0.0177213	0.92323374	0.09109233	0.71919148	
ENSG00000207092	10	3029112	3029112	rRNA	transcript unannotated	-0.3029112	0.4496136	-0.11446678	0.47029737	-0.13063387	0.34630389	-0.14446678	0.47029737	-0.13063387	0.34630389	-0.14446678	0.47029737	-0.13063387	0.34630389	
ENSG00000104369	8	7424300	7424300	JPH1	protein coding	-0.12450460	0.09234373	-0.0797294	0.59611792	-0.05817593	0.0092912	-0.30611506	0.06947059	-0.08188776	0.03192878	-0.01588488	0.9329237	0.15285321	0.03228703	
ENSG00000227817	1	13132818	13133087	ARGGAP2P	transcript unannotated	-0.2299173	0.04819762	-0.1420744	0.42971308	-0.12026928	0.5047740	-0.1272444	0.2762813	-0.2734551	0.04216889	-0.0187320	0.9329237	0.15285321	0.03228703	
ENSG00000132921	29	3790311	3794553	VSTK1	protein coding	-0.174037	0.09118167	-0.02971168	0.65446523	-0.11603153	0.1190252	-0.02921131	0.46359288	-0.2471878	0.01152910	-0.0119138	0.9329237	0.15285321	0.03228703	
ENSG00000148154	1	11088814	11193589	UCR3	protein coding	-0.16888037	0.14179927	-0.22530041	0.1150840	-0.0041484	0.9413016	-0.35464815	0.06850481	-0.21291491	0.12215312	-0.0187320	0.9329237	0.15285321	0.03228703	
ENSG00000145346	8	3005056	3200845	CTP11A1P	transcript unannotated	-0.1030630	0.36885572	-0.0041628	0.97119230	-0.10714481	0.92930358	-0.02037467	0.81982488	-0.18621272	0.17577299	-0.0187320	0.9329237	0.15285321	0.03228703	
ENSG00000145346	8	3005056	3200845	CTP11A1P	transcript unannotated	-0.1030630	0.36885572	-0.0041628	0.97119230	-0.10714481	0.92930358	-0.02037467	0.81982488	-0.18621272	0.17577299	-0.0187320	0.9329237	0.15285321	0.03228703	
ENSG00000259120	17	75648243	75647975	SMY2	protein coding	-0.00211897	0.00293131	0.02093031	0.89293191	0.3077455	0.11832003	-0.01409597	0.94432758	-0.30974384	0.00293131	-0.01696205	0.9329237	0.15285321	0.03228703	
ENSG0000020247	8	6997186	6999186	DEF1A	protein coding	-0.1991155	0.08702038	-0.08971258	0.5335417	-0.0091164	0.9004742	-0.08622407	0.69889292	-0.00218876	0.81278615	-0.0148885	0.9329237	0.15285321	0.03228703	
ENSG0000020247	8	6997186	6999186	DEF1A	protein coding	-0.1991155	0.08702038	-0.08971258	0.5335417	-0.0091164	0.9004742	-0.08622407	0.69889292	-0.00218876	0.81278615	-0.0148885	0.9329237	0.15285321	0.03228703	
ENSG00000279981	16	17816117	17816814	LOC100404.1	lincRNA	-0.18206003	0.09333738	-0.10873382	0.41512884	-0.04813048	0.81517673	-0.07874000	0.68621338	-0.10873382	0.41512884	-0.01898343	0.9329237	0.15285321	0.03228703	
ENSG00000130309	19	17555844	17581824	COLGAL2	protein coding	-0.03603458	0.74210958	-0.05981153	0.86100343	-0.13368272	0.48178859	-0.10172284	0.87518488	-0.01590009	0.90989228	-0.01699223	0.9329237	0.15285321	0.03228703	
ENSG00000290705	19	17555844	17581824	COLGAL2	protein coding	-0.03603458	0.74210958	-0.05981153	0.86100343	-0.13368272	0.48178859	-0.10172284	0.87518488	-0.01590009	0.90989228	-0.01699223	0.9329237	0.15285321	0.03228703	
ENSG00000148248	8	5208744	5208744	ENSO007.2	lincRNA	-0.14979518	0.15348748	-0.13698076	0.34416370	-0.00949152	0.6623377	-0.22501781	0.24642248	-0.15368559	0.02174663	-0.01893497	0.9329237	0.15285321	0.03228703	
ENSG00000148248	8	5208744	5208744	ENSO007.2	lincRNA	-0.14979518	0.15348748	-0.13698076	0.34416370	-0.00949152	0.6623377	-0.22501781	0.24642248	-0.15368559	0.02174663	-0.01893497	0.9329237	0.15285321	0.03228703	
ENSG00000258791	1	13339145	13337618	SLURF4	protein coding	-0.2291543	0.05027152	-0.2514448	0.0716427	-0.1001721	0.92689789	-0.10184229	0.60047748	-0.30712443	0.02888109	-0.01405457	0.9329237	0.15285321	0.03228703	
ENSG00000143768	1	22903658	229041383	LEIF2	protein coding	-0.24064587	0.03050294	-0.05449549	0.40707880	-0.13170323	0.10418024	-0.03792571	0.8510109	-0.23976901	0.00786194	-0.01405457	0.9329237	0.15285321	0.03228703	
ENSG0000026973	1	7200841	7203692	UCR3	protein coding	-0.19621243	0.08721149	-0.05372242	0.11021242	-0.11491587	0.55274954	-0.13121261	0.81389650	-0.24712362	0.04262764	-0.0170751	0.9329237	0.15285321	0.03228703	
ENSG00000198218	1	4082746	4082746	UCR3	protein coding	-0.2291543	0.05027152	-0.2514448	0.0716427	-0.1001721	0.92689789	-0.10184229	0.60047748	-0.30712443	0.02888109	-0.01405457	0.9329237	0.15285321	0.03228703	
ENSG00000122896	8	3978740	3980423	SLC25A51	protein coding	-0.00038247	0.99533489	-0.00712343	0.10068210	-0.1657379	0.40689191	-0.04041604	0.84181162	-0.0540202	0.69997664	-0.01893497	0.9329237	0.15285321	0.03228703	
ENSG00000111404	12	1808089	1830107	RRERG	protein coding	-0.0932923	0.41702118	-0.0520125	0.71396784	-0.04811377	0.88176263	-0.18561465	0.35369091	-0.1518902	0.22997442	-0.01893497	0.9329237	0.15285321	0.03228703	
ENSG00000212176	7	42328287	42328287	TRBV1	lincRNA	-0.02858556	0.4751921	-0.02858556	0.4751921	-0.02858556	0.4751921	-0.02858556	0.4751921	-0.02858556	0.4751921	-0.02858556	0.4751921	-0.02858556	0.4751921	
ENSG00000282995	20	29480147	29497179	FRG1EP	protein coding	-0.2283759	0.04877188	-0.11189625	0.49319887	-0.10207408	0.9082321	-0.14348767	0.31729505	-0.2874382	0.03838794	-0.01742026	0.9329237	0.15285321	0.03228703	
ENSG00000163884	3	18263263	18263740	KLIF5	protein coding	-0.14780172	0.19956184	-0.02634392	0.6048392	-0.21870302	0.73389102	-0.10268237								

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Type, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. Contains a comprehensive list of genes and their associated genomic coordinates and descriptions.

Table with 10 columns: Gene ID, Chr, Pos, RefSeq ID, Gene Name, Transcription Start Site (TSS), Strand, Feature Type, Feature Start, Feature End, Feature Score, Feature Type, Feature Start, Feature End, Feature Score. The table lists genomic features for various genes across chromosomes 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, and X.

Table with 10 columns: Gene ID, Gene Name, Feature, Coordinates, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Type, RefSeq Source. The table lists numerous genes and their associated features, including protein-coding genes, lincRNAs, antisenseRNAs, and miRNAs, with their genomic coordinates and RefSeq identifiers.

Table with columns for gene names (e.g., ENG000009106), coordinates, gene symbols (e.g., NRC2), descriptions (e.g., protein coding), and numerical values. The table lists numerous genes and their associated data points.

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description. Contains a comprehensive list of genomic features and their associated RefSeq identifiers.

Table with 15 columns: Gene ID, Chr, Position, Gene Name, Feature, RefSeq ID, RefSeq Description, RefSeq Type, RefSeq Accession, RefSeq Description, RefSeq Type, RefSeq Accession, RefSeq Description, RefSeq Type, RefSeq Accession. The table lists various genes and their associated features and RefSeq identifiers.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. The table lists numerous genes and their associated features, such as C6orf206, C6orf207, C6orf208, etc., with their genomic coordinates and RefSeq identifiers.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and coordinates. It lists numerous genes such as ENG0000017479, ENG0000017480, etc., with their respective genomic locations and transcript details.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Link, RefSeq Description, RefSeq Type. The table lists numerous genes and their genomic coordinates across various chromosomes (1-22, X, Y).

ENSG0000022150	1	9942329	9499774	AL357140.2	lncRNA	-0.15536675	0.177260377	-0.203911277	0.155489964	0.0609978407	0.762544334	-0.2879111	0.145365507	-0.140169219	0.132059199	-0.055819684	0.800292267	0.121470311	0.400730723	
ENSG0000024874	1	10034152	15217292	LOC101928	lncRNA	-0.09681364	0.44336183	0.03738636	0.609774159	0.15023697	0.5743971	0.4274474	0.05595864	0.07696523	0.0202949	0.800292267	0.121470311	0.400730723	0.121470311	0.400730723
ENSG0000014947	4	30941154	38215533	TMBX	lncRNA	-0.13448337	0.05891151	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.121470311
ENSG0000023214	2	61070534	10678148	LOC101928	lncRNA	-0.21567426	0.05898151	0.01292524	0.07766340	0.14131747	0.47764233	0.2184336	0.2184336	0.15674027	0.25769213	-0.05584835	0.800292267	0.121470311	0.400730723	
ENSG0000029631	1	10034152	9969919	LOC101928	lncRNA	-0.33107093	0.06027123	-0.21608912	0.132059199	-0.26715262	0.13701992	0.30717003	0.1918740	0.06005124	0.05584835	0.05584835	0.800292267	0.121470311	0.400730723	0.121470311
ENSG0000024675	1	10034152	73127880	LOC116252	lncRNA	-0.121470311	0.05891151	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.02144333	0.121470311	0.121470311
ENSG0000024810	1	14132910	14137098	LOC102432	lncRNA	-0.03605105	0.78552411	-0.05598804	0.17545567	0.03140272	0.87687873	-0.0741854	0.71590754	0.03033687	0.77763038	-0.05588889	0.80004478	0.05864238	0.63174028	0.121470311
ENSG0000029675	1	40107244	10125244	LOC101928	lncRNA	-0.12641767	0.27326653	0.01152933	0.06969134	0.24945666	0.13147780	0.06379633	0.84100033	-0.2549872	0.06969134	0.06969134	0.80004478	0.05864238	0.63174028	0.121470311
ENSG0000014603	4	10039546	1031719	LOC101928	lncRNA	-0.02051691	0.41933103	-0.21793564	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.121470311
ENSG0000025808	12	19549584	10125244	LOC101928	lncRNA	-0.21593872	0.05927403	-0.26941153	0.06183922	0.49955541	0.26955071	-0.8422660	0.0477878	-0.97586641	0.15213967	-0.05582933	0.80004478	0.05864238	0.63174028	0.121470311
ENSG0000024912	1	10749784	10774818	ADAM30P	processed pseudogene	-0.12421952	0.28176051	-0.10726372	0.04838491	0.03927196	0.86762155	-0.14017470	0.57099853	-0.08414981	0.3451781	0.05593933	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000024903	4	19028202	19030205	LOC101928	lncRNA	-0.22681078	0.08191743	-0.12775263	0.37862763	0.48040723	0.5359193	-0.16368428	0.43889726	-0.26832907	0.08127246	0.05584835	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000027781	12	92227887	9238332	LOC102391	lncRNA	-0.13577775	0.23920551	-0.10508373	0.05100433	0.03396705	0.91236845	-0.13784327	0.10617131	-0.17353127	0.05593933	0.05593933	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000024479	2	3616126	3617488	ZK2165.1	lncRNA	-0.21007105	0.06677428	-0.25599313	0.14218151	0.18274278	0.3491447	-0.3164888	0.10827226	-0.2268267	0.0494321	0.05593933	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000024363	12	1782011	1782011	RPS4Y14.1	processed pseudogene	-0.03834075	0.81426348	-0.02787642	0.8478108	0.15898933	0.43447697	-0.0487125	0.8198148	-0.12497467	0.36789631	-0.05584835	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000025370	14	5728824	5728824	APM1	protein coding	-0.00815174	0.94309111	-0.12502031	0.2038101	0.15592909	0.15879979	-0.02405466	0.75844443	-0.02405466	0.05584835	0.05584835	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000016532	10	6895670	6895680	DDX2	protein coding	0.17748785	0.12149454	0.04083467	0.74020783	0.19020207	0.22071988	0.13396781	0.50528242	0.24684541	0.04980226	0.06761702	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000025539	15	14449313	14449313	TROAS1	lncRNA	-0.07123491	0.22270778	-0.09494926	0.61800331	0.02321721	0.54333404	-0.22709784	0.18170004	0.17772358	0.05912963	0.78888772	0.05593933	0.59461308	0.121470311	0.121470311
ENSG0000025873	19	57145021	57147485	DDX2	protein coding	-0.28243132	0.02128494	-0.19027898	0.01807998	0.22474274	0.23855512	-0.23474274	0.23855512	-0.05582522	0.05315727	-0.05581326	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000026178	8	14433095	14433484	SKRT1	protein coding	-0.15889727	0.17578844	-0.07478093	0.58884190	0.13703768	0.48494220	-0.23238080	0.80322633	-0.12288326	0.04466288	0.06132223	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000023813	3	6204187	6204187	LINC1140	lncRNA	-0.02051691	0.41933103	-0.21793564	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.02051691	0.121470311	0.121470311
ENSG0000015529	10	9659313	9659313	LOC101928	lncRNA	-0.03757834	0.74558207	-0.13252718	0.33989792	-0.25452162	0.20013197	-0.06041051	0.58886146	0.11317151	0.41515861	-0.05581326	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000025187	4	9703754	9710128	ALG13P	unprocessed pseudogene	-0.24901347	0.03117784	-0.08125554	0.54252140	0.22401507	0.26988585	-0.10781330	0.5983024	-0.26378832	0.05424229	0.05517826	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000018776	19	1273718	12741183	POU2	protein coding	-0.02565377	0.4108974	-0.03392243	0.81519375	0.03009209	0.6171959	0.36327175	0.48717623	-0.0738989	0.62549008	0.05618454	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000023755	2	17760380	17761872	LOC101928	lncRNA	-0.05584808	0.60841518	0.06112558	0.07260817	-0.0610481	0.80375921	-0.01620987	0.22419716	0.0230927	0.68831609	0.05241121	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000026934	19	5238844	5239778	ZNF528.1	lncRNA	-0.23248138	0.04191254	-0.15529305	0.2808112	0.07192928	0.92327417	-0.15038938	0.1040772	-0.20598407	0.03303444	0.05525338	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000017219	11	6429329	64484653	KCQ2BP2C	protein coding	-0.02684703	0.03689933	-0.08993371	0.52809861	0.44274408	0.90209369	-0.09379769	0.64152842	-0.29239113	0.03494693	-0.05629369	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000019887	19	3171241	3171241	ZNF585A	protein coding	-0.06891133	0.03689933	-0.08993371	0.52809861	0.44274408	0.90209369	-0.09379769	0.64152842	-0.29239113	0.03494693	-0.05629369	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000012583	11	15213395	15219228	RPTN	protein coding	-0.31202683	0.00776868	-0.24009694	0.15517272	0.10448839	0.14442932	-0.17911087	0.13977289	-0.30293546	0.02929494	0.05621307	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000014648	19	5238844	5239778	FAM174C	protein coding	-0.07123491	0.22270778	-0.09494926	0.61800331	0.02321721	0.54333404	-0.22709784	0.18170004	0.17772358	0.05912963	0.78888772	0.05593933	0.59461308	0.121470311	0.121470311
ENSG0000026514	17	5824424	5814768	PSPDAP1	lncRNA	-0.15548233	0.17890230	-0.10978691	0.81951448	-0.16355656	0.40978741	-0.02638881	0.88177799	-0.02638881	0.05581326	0.05581326	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000027881	17	6479759	6479824	MRR609	mRNA	-0.06951027	0.54039769	-0.10699351	0.48091501	-0.2213191	0.26760158	-0.2103888	0.29218909	-0.14852432	0.23873768	0.05639304	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000025539	15	14449313	14449313	TROAS1	lncRNA	-0.07123491	0.22270778	-0.09494926	0.61800331	0.02321721	0.54333404	-0.22709784	0.18170004	0.17772358	0.05912963	0.78888772	0.05593933	0.59461308	0.121470311	0.121470311
ENSG0000026717	16	6671782	6671782	LOC101928	lncRNA	-0.03757834	0.74558207	-0.13252718	0.33989792	-0.19374540	0.23340059	-0.04435252	0.64752641	-0.04435252	0.05348038	0.05348038	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000022905	1	7633333	7633424	LOC101928	lncRNA	-0.17011022	0.31013995	-0.09429418	0.64801580	-0.18366367	0.53339792	-0.09596361	0.63429203	-0.13588991	0.32842531	0.05648108	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000014830	1	24001438	24047517	FMN2	protein coding	-0.12637732	0.09204072	-0.10831171	0.44014543	0.04036557	0.80658775	-0.12786461	0.52726674	-0.12710002	0.21334784	-0.05581326	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000022985	10	9624531	9625126	AL35355.2	processed pseudogene	-0.14898424	0.20548708	-0.13871043	0.18241093	0.04274888	0.83233038	-0.14596789	0.02978978	-0.06255127	0.05256342	0.07893232	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000019826	12	6844743	6844743	RBCY1	protein coding	0.01733668	0.88081473	0.03108104	0.78844704	0.26267983	0.15306788	0.17134382	0.38728838	0.14851919	0.28035264	0.05582522	0.78888772	0.05593933	0.59461308	0.121470311
ENSG0000019880																				

ENSG0000028476	16	7545282	7546007	AC009163.4	lncRNA	-0.08971493	0.4377871	-0.01028291	0.94348892	0.12621264	0.53045903	0.0091825	0.96632076	-0.12778182	0.84734612	-0.05837592	0.78138091	-0.11048952	0.44484822	
ENSG0000019070	12	1557274	1557411	LOC102721	transcribed antisense	-0.05002401	0.6557216	-0.11384597	0.4114144	0.3887504	0.1735465	0.72772701	0.13148463	-0.01618521	0.9731368	-0.05831747	0.7911277	-0.1832227	0.7137127	
ENSG0000044495	19	1867138	1867138	ETS3	protein coding	-0.02313969	0.8409389	0.03291263	0.82207141	-0.3057040	0.49020508	0.04040181	0.64495136	-0.00670312	0.96160231	-0.04041028	0.79124882	-0.03342818	0.79262836	
ENSG0000019816	19	7515292	7521028	ZNF38	protein coding	-0.02313969	0.8409389	0.03291263	0.82207141	-0.3057040	0.49020508	0.04040181	0.64495136	-0.00670312	0.96160231	-0.04041028	0.79124882	-0.03342818	0.79262836	
ENSG0000025742	12	1465744	1521061	CRTE7P	transcribed antisense	-0.18699023	0.16142249	0.71621841	0.10222482	0.11892373	-0.151311	0.83976763	-0.15481824	0.26427207	-0.04904205	0.97127293	-0.04904205	0.97127293	-0.04904205	0.97127293
ENSG0000023113	12	1465744	1521061	CRTE7P	transcribed antisense	-0.18699023	0.16142249	0.71621841	0.10222482	0.11892373	-0.151311	0.83976763	-0.15481824	0.26427207	-0.04904205	0.97127293	-0.04904205	0.97127293	-0.04904205	0.97127293
ENSG00000100124	22	3783825	3784327	ANKRD57	protein coding	-0.01185863	0.9203493	0.05818998	0.93837898	-0.02693887	0.89611203	0.16619878	0.40735887	-0.01128458	0.93545314	-0.01144409	0.79120108	-0.03682758	0.55029720	
ENSG0000019998	12	1094385	1094739	ACTD10	protein coding	-0.02467683	0.8597959	0.04947101	0.9381061	0.03497142	0.65209804	0.06989205	0.63891776	-0.04156927	0.91674318	-0.05941898	0.79118817	-0.02323209	0.67598339	
ENSG0000026980	19	484280	484638	AC00761.1	transcribed antisense	-0.20785197	0.0261823	0.95337284	0.25441891	0.16829623	0.5441981	0.03037484	0.65989168	-0.20393497	0.0171388	-0.05948926	0.79108463	-0.38880838	0.67598339	
ENSG0000059192	14	2043788	2044128	SLA5075.5	transcribed antisense	-0.24476786	0.15738757	0.92750178	0.29688879	0.27502180	0.29688879	0.29688879	0.29688879	-0.29688879	0.29688879	-0.29688879	0.79114154	-0.27357874	0.65457828	
ENSG0000047634	X	1737449	1737488	SCM1	protein coding	-0.26921586	0.01833144	0.91710247	0.71263268	0.13144697	0.51436187	-0.05020269	0.86227834	-0.22858953	0.04891040	-0.05423736	0.79118817	-0.31919284	0.64943958	
ENSG0000026980	19	484280	484638	AC00761.1	transcribed antisense	-0.20785197	0.0261823	0.95337284	0.25441891	0.16829623	0.5441981	0.03037484	0.65989168	-0.20393497	0.0171388	-0.05948926	0.79108463	-0.38880838	0.67598339	
ENSG00000188729	X	1917944	1918511	OSTL	protein coding	-0.00672254	0.95819918	-0.01704021	0.90730715	0.23094153	0.24544963	0.14549041	0.46661302	-0.13065884	0.36688807	-0.05483434	0.79118817	-0.06201164	0.74048483	
ENSG0000022420	2	2542117	2542764	TNFB-AS1	lncRNA	-0.16181458	0.16262653	-0.05824738	0.86784767	0.17152307	0.36229970	-0.02326236	0.93192302	-0.18427636	0.31896187	-0.05427123	0.79100883	-0.22274294	0.70017229	
ENSG0000026381	19	2011800	2011878	ITIH3	protein coding	-0.02192405	0.90391748	-0.27238456	0.61118975	-0.22329824	0.20383971	-0.38984545	0.0386681	-0.33226693	0.01401096	-0.05474468	0.79098368	-0.30384644	0.63402652	
ENSG00000226361	13	1868044	1868170	TRIP13	transcribed pseudogene	-0.18588398	0.10590037	-0.22755184	0.11493792	-0.12737510	0.49047107	-0.36468074	0.06143904	-0.22947339	-0.05902517	-0.05848823	0.79098485	-0.11292210	0.43482259	
ENSG00000135049	9	8564539	8572420	ACTF1P1	transcribed pseudogene	-0.05043335	0.6513444	-0.16378468	0.25072489	0.33855292	0.08132572	-0.24133486	0.2253737	-0.03688108	0.79833864	-0.04904205	0.79098485	-0.04904205	0.79098485	
ENSG00000101019	19	11378152	11378152	RSR1	protein coding	-0.15423593	0.85420189	-0.16019204	0.26642923	0.03471198	0.86562638	-0.00270173	0.17438974	-0.11191513	0.51527907	-0.05851869	0.79098485	-0.02772005	0.94027960	
ENSG00000273440	15	6607973	6702902	AGL1	protein coding	-0.28398487	0.1254440	-0.24044489	0.43023768	0.8730027	0.1283731	0.52303007	-0.23430304	0.08813667	-0.05851869	0.79098485	-0.03182366	-0.0445342		
ENSG0000027283	17	3853031	3860599	SRMS1	protein coding	-0.02128207	0.90389614	-0.14186313	0.43035444	0.30175493	0.05957588	-0.12405855	0.53749898	-0.08049219	0.79098485	-0.05852448	0.79098485	-0.07127603	0.60112763	
ENSG0000016948	4	7603892	7604141	CAC11	protein coding	-0.19189164	0.09513028	-0.06021458	0.91786373	0.29816372	0.13381137	0.06964543	0.72984885	-0.13393307	0.33641821	-0.05852448	0.79098485	-0.03106607	0.60112763	
ENSG0000025082	11	6850476	6850404	SRMS-AS1	lncRNA	-0.02548785	0.90389614	-0.14186313	0.43035444	0.30175493	0.05957588	-0.12405855	0.53749898	-0.08049219	0.79098485	-0.05852448	0.79098485	-0.07127603	0.60112763	
ENSG0000012409	11	5784892	5786188	CLIP1	protein coding	-0.08872522	0.55240213	-0.13907421	0.33542628	0.29848438	0.19301175	-0.17892841	0.38993246	-0.05436622	0.70399517	-0.05852448	0.79098485	-0.06726055	0.60112763	
ENSG0000016516	2	4741819	4745473	PM2C3	protein coding	-0.28972423	0.03082198	-0.02547173	0.96809893	0.45970503	0.01984924	0.17771388	0.37911794	-0.4594134	0.00024769	-0.05852448	0.79098485	-0.06726055	0.60112763	
ENSG00000259863	2	1012732	1012830	SLFR3-AS1	lncRNA	-0.07190331	0.50444218	-0.02351071	0.87135607	0.14609657	0.45631653	-0.04014015	0.84242974	-0.04075479	0.7982207	-0.0583631	0.79041643	-0.16681278	0.30611397	
ENSG0000027870	9	1802887	1803186	HEIH	protein coding	-0.06277048	0.8792904	-0.13033388	0.38991918	0.04058939	0.81781287	-0.14283397	0.47725494	-0.00774024	0.95701399	-0.05846626	0.79098485	-0.02952512	0.71725227	
ENSG00000122480	12	4820283	4820338	OR10AD1	protein coding	-0.02788174	0.8997486	-0.06029261	0.74845122	0.15229723	0.42844584	-0.11382621	0.95132058	-0.0855438	0.79814854	-0.05869933	0.79032811	-0.03837191	0.69635747	
ENSG00000228192	1	4283522	4284422	AC12325.1	transcribed pseudogene	-0.22842539	0.12420001	-0.12420001	0.93314902	0.04591878	0.88184781	-0.19278623	0.3358280	-0.23905810	0.10681679	-0.05869933	0.79032811	-0.03837191	0.69635747	
ENSG0000024259	3	11374872	11374740	AC10893.2	transcribed pseudogene	-0.12744718	0.26881247	-0.07280154	0.95035888	0.24128844	0.21025559	-0.08962509	0.6583870	-0.125268	0.2698321	-0.05869933	0.79032811	-0.03837191	0.69635747	
ENSG00000133887	19	2011800	2011878	ITIH3	protein coding	-0.02192405	0.90391748	-0.27238456	0.61118975	-0.22329824	0.20383971	-0.38984545	0.0386681	-0.33226693	0.01401096	-0.05474468	0.79098368	-0.30384644	0.63402652	
ENSG00000234451	3	16142917	16143987	RPL23AP2	transcribed pseudogene	-0.16499899	0.15151809	-0.07862881	0.85857582	-0.19483233	0.32969138	-0.16527683	0.41021861	-0.17973011	0.19328107	-0.05869933	0.79032811	-0.03837191	0.69635747	
ENSG0000025009	19	8564539	8572420	ACTF1P1	transcribed pseudogene	-0.05043335	0.6513444	-0.16378468	0.25072489	0.33855292	0.08132572	-0.24133486	0.2253737	-0.03688108	0.79833864	-0.04904205	0.79098485	-0.04904205	0.79098485	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129	0.40942102	-0.19944627	0.31834713	-0.15741758	0.25462774	-0.0584821	0.79022354	-0.13392751	0.53896537	
ENSG00000250075	2	6592939	6593153	YJEFN3	protein coding	-0.14275658	0.21024952	-0.14048691	0.32994589	0.16855129										

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, Start, End, Strand, Feature. Contains genomic coordinates and gene annotations for various genes like SERPINC1, AOC3, AOC4, etc.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Type. The table lists numerous genes and their associated features and identifiers.

ENSGNO000185261	5	94152966	94618577	KAAAB25	protein coding	-0.077619209	0.022234098	-0.026811328	0.5214724	0.171547096	0.392233302	-0.103930303	0.605625557	-0.07526755	0.587270397	-0.065282373	0.765326699	-0.081586638	0.073280720	
ENSGNO00006275	4	54172478	54172478	SLC7B3	protein coding	-0.2693418	0.017697449	-0.039227208	0.76801799	0.2854449	0.19118311	-0.06292907	0.8278145	-0.2427959	0.501110269	-0.06529268	0.76537876	-0.110330523	0.0307674	
ENSGNO00006988	15	12729854	12729854	ATG16A3	protein coding	-0.0744029	0.05084552	-0.01625448	0.90897887	0.19837489	0.30927613	-0.02942044	0.9049029	-0.0357871	0.82637705	-0.0565832	0.70530081	-0.04688119	0.30805707	
ENSGNO00005253	7	4977010	4977010	ARHGAP22	protein coding	-0.30042068	0.00815238	-0.18512133	0.2925330	0.30767639	0.11811623	-0.24027867	0.22742356	-0.3372564	0.06524180	-0.06528170	0.65252790	-0.13742848	0.0404825	
ENSGNO00004430	7	5112777	5112777	OTX2AS1	protein coding	-0.0000000	0.0000000	-0.0000000	0.0000000	0.0000000	0.0000000	-0.0000000	0.0000000	-0.0000000	0.0000000	-0.0000000	0.0000000	-0.0000000	0.0000000	
ENSGNO00002753	7	4760010	4760010	GUSP10	unprocessed pseudogene	0.02852543	0.84381158	0.02501295	0.17882898	-0.01898481	0.83344876	0.01862883	0.69693749	0.06181863	0.69693749	0.05991336	0.69693749	0.08196769	0.03183572	
ENSGNO00005314	7	19455399	19455399	CRKP	protein coding	-0.1962200	0.02718662	-0.1508871	0.25558172	0.44488364	0.47110711	-0.2352246	0.26238989	-0.1422219	0.3155701	-0.05991336	0.65502972	-0.10374441	0.04733975	
ENSGNO00004598	16	2736835	2736835	NPE1-IT1	transcribed unit	0.0000000	0.0000000	-0.2288977	0.7636970	0.0000000	0.0000000	-0.0000000	0.0000000	-0.0000000	0.0000000	-0.0000000	0.0000000	0.0000000	0.0000000	
ENSGNO00004686	17	4670292	4670292	NR1P	protein coding	0.19389718	0.23687194	0.07971555	0.69891750	0.00295853	0.75994433	-0.00295853	0.98895399	0.12043030	0.3852700	-0.05991336	0.65502972	-0.10374441	0.04733975	
ENSGNO00007194	15	9236586	9236586	TLN2	protein coding	-0.37653747	0.00063984	-0.03031868	0.57358491	0.22706676	0.25474698	-0.3065080	0.13184678	-0.14888309	0.00172269	0.06528170	0.76537876	-0.110330523	0.0307674	
ENSGNO00001198	14	2203318	2203318	TRAF9	protein coding	-0.12289457	0.04829781	-0.04829781	0.7636970	0.0000000	0.0000000	-0.0000000	0.0000000	-0.0000000	0.0000000	-0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
ENSGNO00002372	6	14258780	14257781	MROH4P	transcribed unit	-0.32618783	0.00379211	-0.2216844	0.12196985	0.25425709	0.20387558	-0.37625212	0.05039216	-0.38683379	0.00385969	-0.06644415	0.70530081	-0.04688119	0.30805707	
ENSGNO00002978	4	8427257	8449498	TECR1	protein coding	-0.1772953	0.08527022	-0.05781650	0.60145811	0.18396516	0.4217348	-0.03326381	0.86969462	-0.04143127	0.44171028	-0.0690970	0.76537876	-0.110330523	0.0307674	
ENSGNO00004545	5	9114943	9114943	MAGE2A	protein coding	-0.00895185	0.91304191	-0.00705515	0.9011721	0.07923483	0.7054912	-0.19304895	0.3347245	-0.0076652	0.96116029	-0.06111321	0.74440	-0.04948743	0.0634783	
ENSGNO00001706	21	4498432	4498518	LINC01615	lincRNA	-0.25263328	0.02602653	-0.12797841	0.3757811	0.12747126	0.15645458	-0.2110346	0.290726	-0.17343157	0.09212456	-0.06613336	0.6424307	-0.12519037	0.0760227	
ENSGNO00002810	14	2491284	2491077	AL11663.2	transcribed unit	-0.18449291	0.10216552	-0.22693396	0.1330742	0.2204339	0.33430046	-0.3027194	0.21390581	-0.15701524	0.25847489	-0.06139554	0.7643347	-0.10861269	0.2171904	
ENSGNO00001024	12	3901705	3905411	TRAP1	protein coding	-0.00789642	0.00941338	-0.1694778	0.2474060	0.06240929	0.7471228	-0.3161746	0.1081709	-0.3706819	0.00989431	-0.06111321	0.74440	-0.04948743	0.0634783	
ENSGNO00001999	16	3309204	3312900	HERC2P8	transcribed unprocessed	-0.032466209	0.77805144	-0.02929516	0.18397424	0.016998517	0.83131314	0.0473241	0.81371304	-0.07307425	0.31309898	-0.06616193	0.7643347	-0.10861269	0.2171904	
ENSGNO00001613	16	4688432	4683128	ORF2	protein coding	-0.24713524	0.00312234	-0.17018715	0.2137580	0.27869199	0.1541062	-0.3000592	0.02749462	-0.06616193	0.7643347	-0.10861269	0.2171904	-0.22947919	0.03834135	
ENSGNO00001763	3	1396760	13966250	AC119716.2	transcribed unit	-0.31335904	0.0043718	-0.17487627	0.22624691	0.33373263	0.08881375	-0.22697673	0.15718943	-0.3797707	-0.06616193	0.7643347	-0.10861269	0.2171904	0.03834135	
ENSGNO000017005	12	51126406	5113270	ORF2	protein coding	-0.20187193	0.07830715	-0.20239760	0.1586704	0.1852186	0.79312927	-0.26422719	0.18293033	-0.16064692	0.22166359	-0.06616193	0.7643347	-0.10861269	0.2171904	
ENSGNO000028972	10	8418728	8417203	CERN2A	protein coding	-0.19158564	0.02923271	-0.1230430	0.32847892	0.20711998	0.72425358	-0.2741347	0.1864449	-0.21997954	0.14995105	-0.06616193	0.7643347	-0.10861269	0.2171904	
ENSGNO000015007	12	5737378	5737187	AVL	protein coding	-0.15400846	0.00363939	-0.12784644	0.20001221	0.45711994	0.3308135	-0.36991395	0.1838447	-0.36992603	0.00919568	-0.06616193	0.7643347	-0.10861269	0.2171904	
ENSGNO000027267	2	12788556	12787185	AC102306.2	transcribed unit	-0.09023707	0.43465244	-0.17630413	0.20468963	0.00744848	0.87088604	-0.05236167	0.12456268	-0.17868342	0.38672738	-0.062862	0.76324243	-0.10791459	0.04733975	
ENSGNO000028958	19	1715298	1718081	AC02013.1	transcribed unit	-0.05338933	0.04568528	-0.2277120	0.11843515	0.02047531	0.9915334	-0.3029448	0.12467108	-0.17120377	0.10107304	-0.06920159	0.76324243	-0.10791459	0.04733975	
ENSGNO000011993	2	8896968	8896968	IGJL5	lincRNA	-0.10247938	0.07544229	-0.18976693	0.19839871	-0.24002791	0.2400310	-0.36411751	0.0519705	-0.21502264	0.19333443	-0.06920159	0.76324243	-0.10791459	0.04733975	
ENSGNO000016490	19	1817512	1817117	IFI30	protein coding	0.00881034	0.93251629	-0.08818731	0.78961242	0.04303547	0.16617068	0.03104263	0.8778738	0.11531704	0.40635401	-0.06295447	0.76324243	-0.10791459	0.04733975	
ENSGNO000028652	9	3301478	3310553	SLC18B2	protein coding	-0.24773827	0.02928998	-0.06961405	0.504720	0.28120481	0.15534585	-0.08071851	0.6664472	-0.25326513	0.04013414	-0.06295447	0.76324243	-0.10791459	0.04733975	
ENSGNO000029452	17	4999005	4998524	DLX3	protein coding	-0.12247478	0.02487193	-0.05272793	0.3277193	0.22947417	0.44657029	-0.18730491	0.48370379	-0.0782919	0.15317199	-0.06295447	0.76324243	-0.10791459	0.04733975	
ENSGNO000029390	6	2970789	2972444	MLK2	unprocessed pseudogene	-0.15027105	0.18474351	-0.04510292	0.5597410	0.34838308	0.0732448	-0.05957569	0.76789071	-0.15717538	0.31727474	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000013878	15	7903914	7903914	PCPNT1	protein coding	-0.22959249	0.00489281	-0.15027028	0.2277193	0.22959249	0.00489281	-0.15027028	0.2277193	-0.22959249	0.00489281	-0.15027028	0.2277193	-0.22959249	0.00489281	0.15027028
ENSGNO000015608	6	7305509	7305509	EEF1A	protein coding	-0.16668837	0.14608787	-0.08512957	0.81183763	0.04658817	0.80049592	-0.00022666	0.81129339	-0.21428339	0.11971745	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000018521	3	19796200	19804370	LMN	protein coding	-0.31473438	0.06267317	-0.07855708	0.6005779	0.04745627	0.12284072	-0.13272817	0.50872751	-0.26525011	0.06132999	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO00000654	14	9100214	9100214	ITIH4	protein coding	-0.12156521	0.02492614	-0.05272793	0.3277193	0.22947417	0.44657029	-0.18730491	0.48370379	-0.0782919	0.15317199	-0.06295447	0.76324243	-0.10791459	0.04733975	
ENSGNO000009723	14	9402630	9440830	OTUB2	protein coding	-0.31480103	0.00529561	-0.09442006	0.5124930	0.07716620	0.16229930	-0.13818640	0.49181719	-0.3642464	0.00677498	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000023587	2	4302623	4312424	LINC02580	transcribed unit	-0.18289955	0.11127493	-0.08211828	0.5794317	0.20737218	0.29931242	-0.12027768	0.5483398	-0.2248105	0.10245949	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000018207	14	16686684	16686684	PCPNT2	protein coding	-0.14788117	0.19937999	-0.02224043	0.80493783	0.04265884	0.88028927	-0.01191755	0.85727564	-0.1703349	0.18127227	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000024122	3	7696534	7696534	RARRSP21	protein coding	-0.14788117	0.19937999	-0.02224043	0.80493783	0.04265884	0.88028927	-0.01191755	0.85727564	-0.1703349	0.18127227	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000017903	15	9203914	9203914	AC13121.1	transcribed unit	-0.14461184	0.20954559	-0.14680513	0.3943340	0.14043961	0.61866925	-0.16340205	0.41516656	-0.11405707	0.06613222	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000016317	2	8886909	88871397	NMIP2	protein coding	-0.17833056	0.02702208	-0.08734363	0.57789644	0.04643743	0.82563004	-0.02848916	0.75475252	-0.15059821	0.33001271	-0.06613222	0.7643347	-0.10861269	0.2171904	
ENSGNO000027487	14	9100214	9100214	ITIH4	protein coding	-0.12156521	0.02492614	-0.05272793	0.3277193	0.22947417	0.44657029	-0.18730491	0.48370379	-0.0782919	0.15317199	-0.06295447	0.7632			

ENSG0000028688	4	16323954	1636997*	AC006427.2	lncRNA	-0.110446576	0.338947996	-0.024913486	0.863645232	-0.214841793	0.281197610	0.043078476	0.831066236	-0.08749027	0.520347139	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000010529	4	4226269	4237878	PCP1	protein coding	-0.26212429	0.37281253	0.143873913	0.974426707	-0.15327767	-0.16377695	0.45272929	-0.28676036	-0.0742723	0.1742723	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000011449	19	28413833	2846274	PCP2	protein coding	-0.3034779	0.30034779	0.000000000	0.999999999	-0.1431321	-0.1431321	0.1431321	-0.1431321	-0.1431321	0.1431321	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000015606	8	41645117	4165088	NOX3	protein coding	-0.36721807	0.301147661	-0.20131262	0.159383262	-0.51351171	0.00812303	-0.37094189	0.06749376	-0.48175642	0.00202273	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000025405	11	7011488	7021700	AP01555.1	lncRNA	-0.12713828	0.07678211	-0.18482786	0.30013549	-0.18104106	0.3690902	-0.17624881	0.37185225	-0.15619824	0.15671429	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000026940	8	8566113	8567113	AC01741.1	lncRNA	-0.180000000	0.180000000	0.000000000	0.999999999	-0.180000000	0.180000000	-0.180000000	0.180000000	-0.180000000	0.180000000	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000025874	5	18715842	18707898	AC01755.1	lncRNA	-0.32065518	0.34412299	-0.19778269	0.24412299	-0.19778269	0.24412299	-0.2117337	0.26315916	-0.33081126	-0.04500009	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000020287	18	4865286	4867403	AC01767.2	lncRNA	-0.18330002	0.110555812	-0.14867629	0.28952107	-0.18479343	0.35501854	-0.1601981	0.33698943	-0.0682879	0.17341954	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000027479	17	11692744	11698111	AC01774.1	lncRNA	-0.11688111	0.11688111	0.000000000	0.999999999	-0.11688111	0.11688111	-0.11688111	0.11688111	-0.11688111	0.11688111	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000016549	X	10975572	10975125	SLC7A3	protein coding	-0.264589565	0.302097999	-0.09698710	0.64023339	-0.26305841	0.170669957	-0.10551826	0.80041012	-0.29343077	0.01726234	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000025139	4	3678026	3680484	AC01791.1	lncRNA	0.03759994	0.7454114	0.00652536	0.89447226	0.1071256	0.94884624	0.1966229	0.2613403	0.146072	0.29195698	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000017384	19	4545191	4546144	CE54	protein coding	-0.2491027	0.3026247	-0.0217747	0.62027047	-0.10110028	0.7452972	-0.48477695	0.0308946	-0.2299927	0.09434556	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000018513	11	5189070	5188403	OR9D2	protein coding	-0.18044148	0.11621819	-0.04964823	0.73407202	0.02114178	0.9163837	-0.01541889	0.9306425	-0.13195468	0.04151541	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000029148	14	7192729	71321862	AC01876.2	lncRNA	-0.21281520	0.30357127	-0.07119504	0.62461139	-0.31117571	0.1817025	-0.1838106	0.5860403	-0.2940707	0.04331087	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000029501	4	1387337	13890351	AC01876.1	lncRNA	-0.2029449	0.30871778	-0.12911262	0.386913418	-0.16292614	0.4178709	-0.14889893	0.41113433	-0.29714303	0.07066191	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000016503	9	91409245	91428332	NFIL3	protein coding	-0.07723642	0.500553941	-0.15232506	0.27410432	-0.14181958	0.41981958	-0.17748518	0.37454348	-0.07832747	0.07692386	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000018365	8	12445020	12446120	TMT2	protein coding	-0.09741939	0.39636201	-0.04691598	0.74748489	0.1085103	0.80027207	-0.1288521	0.57036204	-0.15848115	0.2011417	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000029057	9	16638316	16639092	AC01909.2	lncRNA	-0.15840047	0.17447816	-0.05404418	0.7030296	-0.09237984	0.60952207	-0.17277898	0.3899505	-0.24979482	0.07429692	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000012485	10	69991137	69991707	MDM2P1	protein coding	-0.08114478	0.597558009	-0.04767786	0.81056849	-0.07736652	0.37100027	-0.18909898	0.42375126	-0.05835594	0.67416192	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000023643	13	30133369	30139103	CD37	protein coding	-0.04989322	0.69121224	-0.00681712	0.86263420	-0.18899148	0.39969276	-0.02657167	0.89510725	-0.13748674	0.32074703	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000016382	4	8453137	8463134	LOC100287528	protein coding	-0.25401618	0.30679256	-0.11179708	0.43697855	-0.07211806	0.7018738	-0.25127133	0.20528964	-0.40077695	0.01188292	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000025285	9	12642683	12642903	SNORD116	lncRNA	-0.02780001	0.811153216	-0.07880122	0.93381318	-0.06896134	0.37395646	-0.15242272	0.65857945	-0.05837824	0.01188292	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000024071	X	3707851	3707840	M2M258.1	protein coding	-0.2468054	0.3037441	-0.17525792	0.22274478	-0.3934472	0.05963052	-0.2439878	0.22031493	-0.72483587	0.0439272	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000018770	11	4545191	4546144	CE54	protein coding	-0.2491027	0.3026247	-0.0217747	0.62027047	-0.10110028	0.7452972	-0.48477695	0.0308946	-0.2299927	0.09434556	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000017050	17	1689537	1677788	C12orf44A	protein coding	-0.11538448	0.18390118	-0.02131494	0.97493835	-0.12269974	0.84118913	-0.03342027	0.86281892	-0.18116022	0.59992807	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000023376	7	2201616	22011994	IFP1A19S	protein coding	-0.10326347	0.90910529	-0.01301761	0.574698911	-0.29687671	0.12929903	-0.14231541	0.47895798	-0.00670702	0.96972292	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000013689	2	13015132	13018270	SMDCA	protein coding	-0.00442988	0.96964848	-0.03155938	0.13901032	-0.32443993	0.08673218	-0.15886142	0.42687432	-0.02680081	0.83129553	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000016995	16	3053397	3053547	ZNF747	protein coding	-0.0275859	0.82417747	-0.04529979	0.97474382	-0.00945694	0.98439612	-0.14483347	0.4699214	-0.0644939	0.64521379	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000019196	3	1387337	13890351	AC01876.1	lncRNA	-0.2029449	0.30871778	-0.12911262	0.386913418	-0.16292614	0.4178709	-0.14889893	0.41113433	-0.29714303	0.07066191	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000018769	8	1045625	1048441	NFIL230	protein coding	-0.18121389	0.11474613	-0.05199170	0.2853260	-0.06118758	0.41338611	-0.1944794	0.33051895	-0.1713044	0.15211271	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000018815	17	4442479	4444773	IRF1B	protein coding	-0.19669878	0.08761558	-0.03703243	0.78982340	-0.12407447	0.53781633	-0.2395227	0.51343903	-0.12679172	0.30917392	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000020022	11	1109845	1109845	LOC100287528	protein coding	-0.11463855	0.92104057	-0.0632724	0.86117338	-0.18999309	0.32784208	-0.30791312	0.1180733	-0.0275971	0.83444592	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG00000105613	18	1292495	1292495	MAST1	protein coding	-0.20079555	0.307510098	-0.10068891	0.60487853	-0.17237378	0.389621392	-0.14052817	0.48446358	-0.22457205	0.10321732	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG00000130164	19	1109845	1109845	TSG1	protein coding	-0.11463855	0.92104057	-0.0632724	0.86117338	-0.18999309	0.32784208	-0.30791312	0.1180733	-0.0275971	0.83444592	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000023237	2	16104806	16105046	AC02053.3	lncRNA	-0.24388187	0.30292093	-0.16641016	0.24392922	-0.21212928	0.14095877	-0.12011598	0.26236087	-0.25098011	0.02690229	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000025982	4	1045625	1048441	NFIL230	protein coding	-0.18121389	0.11474613	-0.05199170	0.2853260	-0.06118758	0.41338611	-0.1944794	0.33051895	-0.1713044	0.15211271	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000014135	3	15708364	1571555	NFIL8	protein coding	-0.16334743	0.23708802	-0.05199170	0.18712597	-0.04767522	0.71126334	-0.0296388	0.88479378	-0.09005237	0.47429628	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000024869	6	80351021	8035198	AC02046.1	lncRNA	-0.07729826	0.52973173	-0.01388932	0.39279384	-0.04487102	0.82413041	-0.11446622	0.57908405	-0.04129822	0.76884498	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000019840	4	7692769	7692769	AC02042.1	lncRNA	-0.19727326	0.30435056	-0.13057018	0.3861308	-0.14614914	0.4211884	-0.1779897	0.37487853	-0.1621323	0.10341595	-0.068115933	0.173731176	0.185571441	0.19865271
ENSG0000025071	4	4298183	4298183	LOC100287528	protein coding	-0.11463855	0.92104057	-0.0632724	0.86117338	-0.18999309	0.32784208	-0.30791312	0.1180733	-0.0275971	0.83444592	-0.068115933	0.173731176	0.185571441	0.19865271

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. Contains a comprehensive list of genes and their genomic coordinates.

Table with 4 columns: Gene ID, Gene Name, Gene Type, and Gene Description. The table lists numerous genes such as BTBD9, C11orf117, C11orf118, etc., with their corresponding IDs and descriptions.

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq, Gene, Type, Strand, Orientation, RefSeq ID, RefSeq Description. Contains genomic coordinates and gene names for various genes across chromosomes 1-22.

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, Gene Name, Description, RefSeq ID, RefSeq URL. Contains a comprehensive list of genes and their genomic coordinates.

Table with 10 columns: Gene ID, Chr, Start, End, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description, RefSeq Accession. Contains a comprehensive list of genes and transcripts with their genomic coordinates and functional annotations.

ENSG0000008912	20	1629152	1657770	SHRCP	protein coding	-0.13085646	0.26681123	0.01420999	0.52197720	0.26536002	0.18096897	0.01059220	0.05818032	-0.22435565	0.10293044	-0.08841542	0.68827628	0.15960868	0.26811879
ENSG0000024273	3	11537531	12505728	USP28	protein coding	-0.11575321	0.25403508	0.07778950	0.58134746	-0.11531108	0.45511201	0.02059050	0.13082000	-0.17449207	0.35662941	-0.08418803	0.68520350	0.21581064	0.13569181
ENSG0000014178	17	13786217	13782372	USP28	transcribed unprocessed pseudogene	-0.11417320	0.25403508	0.07778950	0.58134746	-0.11531108	0.45511201	0.02059050	0.13082000	-0.17449207	0.35662941	-0.08418803	0.68520350	0.21581064	0.13569181
ENSG0000100841	7	3188715	3170450	PPP1R1B	protein coding	-0.05314249	0.64622010	0.05368853	0.71170110	0.01059844	0.88735722	0.22885404	0.17007207	-0.18843899	0.17007207	-0.08434366	0.68285040	0.12092320	0.40244310
ENSG0000100029	3	3057625	3067078	PPP1R1B	transcribed unprocessed pseudogene	-0.05657417	0.61284760	0.05171862	0.86303401	-0.03844259	0.64964268	0.07320160	0.17415466	-0.06936950	0.15577581	-0.08443234	0.68203730	0.08555250	0.56813270
ENSG0000074414	23	2632923	2632923	PPP1R1B	transcribed unprocessed pseudogene	-0.05657417	0.61284760	0.05171862	0.86303401	-0.03844259	0.64964268	0.07320160	0.17415466	-0.06936950	0.15577581	-0.08443234	0.68203730	0.08555250	0.56813270
ENSG0000144644	3	3072620	3084765	GAL1L1	protein coding	-0.20049368	0.01059220	-0.09528581	0.8475463	-0.08745733	0.92962308	0.06865164	0.87321556	-0.23994233	0.01059220	-0.08434366	0.68111738	0.04123843	0.02024622
ENSG0000077387	19	9635392	9640398	RNCT5	protein coding	-0.15002434	0.25074470	-0.16428126	0.26394769	0.16365507	0.41384125	-0.16264260	0.41787912	-0.06914627	0.63091468	-0.08462713	0.68027294	0.08117292	0.26344752
ENSG0000133889	3	13127308	13127308	RNCT5	transcribed unprocessed pseudogene	-0.15002434	0.25074470	-0.16428126	0.26394769	0.16365507	0.41384125	-0.16264260	0.41787912	-0.06914627	0.63091468	-0.08462713	0.68027294	0.08117292	0.26344752
ENSG0000023932	7	6069613	6069613	RNCT5	transcribed unprocessed pseudogene	-0.15002434	0.25074470	-0.16428126	0.26394769	0.16365507	0.41384125	-0.16264260	0.41787912	-0.06914627	0.63091468	-0.08462713	0.68027294	0.08117292	0.26344752
ENSG0000184847	3	4822347	4822347	SNAP	transcribed unprocessed pseudogene	-0.04889852	0.95647623	-0.16705732	0.32951730	0.08293607	0.67227752	-0.13438490	0.47502774	0.05435728	0.89625428	-0.08452498	0.67811023	0.04208244	0.18754891
ENSG0000133899	20	1978708	2002454	RNCP2	transcribed unprocessed pseudogene	-0.04889852	0.95647623	-0.16705732	0.32951730	0.08293607	0.67227752	-0.13438490	0.47502774	0.05435728	0.89625428	-0.08452498	0.67811023	0.04208244	0.18754891
ENSG0000005013	16	988710	988710	SNAP	transcribed unprocessed pseudogene	-0.04889852	0.95647623	-0.16705732	0.32951730	0.08293607	0.67227752	-0.13438490	0.47502774	0.05435728	0.89625428	-0.08452498	0.67811023	0.04208244	0.18754891
ENSG0000028714	3	14271629	14276103	RNCP2	transcribed unprocessed pseudogene	-0.04889852	0.95647623	-0.16705732	0.32951730	0.08293607	0.67227752	-0.13438490	0.47502774	0.05435728	0.89625428	-0.08452498	0.67811023	0.04208244	0.18754891
ENSG0000023170	17	3087100	3087148	RNCP2	transcribed unprocessed pseudogene	-0.04889852	0.95647623	-0.16705732	0.32951730	0.08293607	0.67227752	-0.13438490	0.47502774	0.05435728	0.89625428	-0.08452498	0.67811023	0.04208244	0.18754891
ENSG00000214856	17	1842201	1842286	RNCP2	transcribed unprocessed pseudogene	-0.04889852	0.95647623	-0.16705732	0.32951730	0.08293607	0.67227752	-0.13438490	0.47502774	0.05435728	0.89625428	-0.08452498	0.67811023	0.04208244	0.18754891
ENSG00000232396	22	2070256	2071805	AC004882.1	transcribed unprocessed pseudogene	-0.22767074	0.04844488	-0.03388187	0.16688817	0.76342699	0.14520653	-0.12078840	0.57721206	-0.24498949	0.01741409	-0.08429271	0.67932400	-0.24588179	0.08214270
ENSG00000229987	17	15124987	15241724	AC004882.1	transcribed unprocessed pseudogene	-0.22767074	0.04844488	-0.03388187	0.16688817	0.76342699	0.14520653	-0.12078840	0.57721206	-0.24498949	0.01741409	-0.08429271	0.67932400	-0.24588179	0.08214270
ENSG00000185404	24	23032184	23040732	SPH4L	protein coding	0.03030219	0.73645763	0.03093696	0.97863337	0.13424001	0.50441647	0.16388707	0.23692741	-0.08858508	0.68297264	-0.08858508	0.68297264	0.05617842	
ENSG00000196224	21	1407785	1684843	KRT1P-3	protein coding	-0.30357673	0.00722548	-0.18071110	0.19426860	0.34399353	0.08219050	-0.32782522	0.10358414	-0.38740278	0.00722548	-0.08882425	0.68140246	-0.28302870	0.08888888
ENSG0000020421	11	14032132	14040793	RNCP2	transcribed unprocessed pseudogene	-0.27684787	0.01048494	-0.19513426	0.16740642	0.04786277	0.14143309	-0.26292966	0.18000120	-0.20717402	0.09746228	-0.08717408	0.67292953	-0.22170006	0.03370400
ENSG00000226491	21	4279725	42788712	F10P1	protein coding	-0.179881758	0.11874855	-0.11857876	0.41211884	-0.13834054	0.89119231	-0.257872208	0.19408695	-0.08725348	0.68393391	-0.08725348	0.68393391	0.13203397	0.05867720
ENSG00000154957	17	11977438	11997475	ZNF18	protein coding	-0.21743187	0.05444514	-0.18242458	0.24072926	0.16301763	0.14557047	-0.22148888	0.26937380	-0.18688503	0.17802928	-0.08722600	0.68127260	-0.22092890	0.10338805
ENSG0000022934	1	53237	63438	MTCO2P2	transcribed unprocessed pseudogene	-0.00331841	0.41749306	-0.00178433	0.62286893	0.15284534	0.43089151	-0.12438985	0.53890242	-0.10866165	0.43272073	-0.08714892	0.67920311	-0.15119737	0.20337190
ENSG00000183638	8	1060349	10712187	ZNF18	transcribed unprocessed pseudogene	-0.23208737	0.00410534	-0.20143404	0.16028570	0.16288173	0.14101465	-0.35798896	0.06875272	-0.14327779	0.01896132	-0.08714892	0.68117587	-0.22966433	0.04323231
ENSG00000205119	4	13402695	13432777	AC001931.1	transcribed unprocessed pseudogene	-0.00294940	0.97899524	-0.00776538	0.58471455	-0.22489028	0.27325259	0.02796219	0.88888885	0.15546415	0.26180791	-0.08716811	0.68813007	-0.03307386	0.08227410
ENSG00000209197	17	10291245	10291245	AC001931.1	transcribed unprocessed pseudogene	-0.00294940	0.97899524	-0.00776538	0.58471455	-0.22489028	0.27325259	0.02796219	0.88888885	0.15546415	0.26180791	-0.08716811	0.68813007	-0.03307386	0.08227410
ENSG00000107165	16	12885438	12885438	TYRP1	protein coding	-0.19193201	0.09447938	-0.13800701	0.84844773	0.12498384	0.21197788	-0.18791673	0.31312137	-0.14138632	0.11180832	-0.08280816	0.68693303	-0.22033441	0.15878458
ENSG00000162337	11	68132591	68442762	LRP6	protein coding	-0.39422580	0.003088	-0.21107952	0.40225776	-0.23382891	0.00412878	-0.18597788	0.32737731	-0.50813024	0.7987058	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000225347	14	10369649	10369649	LRP6	transcribed unprocessed pseudogene	-0.39422580	0.003088	-0.21107952	0.40225776	-0.23382891	0.00412878	-0.18597788	0.32737731	-0.50813024	0.7987058	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000190008	14	60396489	60514543	K40orf9	protein coding	-0.31267919	0.05050263	-0.16683438	0.28501768	-0.23488304	0.15998020	-0.23498586	0.23093200	-0.35483231	0.00568574	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000179542	9	33449759	33449491	AC001931.1	transcribed unprocessed pseudogene	-0.19141804	0.09380007	-0.04223100	0.70440353	0.35188987	0.01165897	0.02877697	0.88888885	0.18032255	0.19399043	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000220172	10	10292302	10292302	AC001931.1	transcribed unprocessed pseudogene	-0.19141804	0.09380007	-0.04223100	0.70440353	0.35188987	0.01165897	0.02877697	0.88888885	0.18032255	0.19399043	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000125058	20	6354810	6354754	AC001931.1	transcribed unprocessed pseudogene	-0.19141804	0.09380007	-0.04223100	0.70440353	0.35188987	0.01165897	0.02877697	0.88888885	0.18032255	0.19399043	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000230397	8	3916612	3816118	RNUP32P	transcribed unprocessed pseudogene	-0.22749631	0.26726949	-0.22799007	0.73789287	-0.18471743	0.41162722	-0.17377324	0.37272769	-0.15472681	0.26391129	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000232634	7	7782330	7782330	FAM107B	transcribed unprocessed pseudogene	-0.22749631	0.26726949	-0.22799007	0.73789287	-0.18471743	0.41162722	-0.17377324	0.37272769	-0.15472681	0.26391129	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000140291	16	66003874	66138829	CHT13	protein coding	-0.156003128	0.17373627	-0.11624630	0.41239684	-0.13016293	0.84506006	-0.19063400	0.48840704	-0.13005313	0.26391129	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000259982	2	10292302	10292302	CHT13	transcribed unprocessed pseudogene	-0.156003128	0.17373627	-0.11624630	0.41239684	-0.13016293	0.84506006	-0.19063400	0.48840704	-0.13005313	0.26391129	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000101590	20	62841005	62861822	TCF5	protein coding	-0.05828505	0.64819258	-0.05105324	0.70243866	-0.22881170	0.26432804	-0.044021418	0.827410714	-0.05828505	0.64819258	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG00000245682	5	2518780	2523438	AC001931.1	transcribed unprocessed pseudogene	-0.12945662	0.28180745	-0.12072008	0.40369671	0.222991458	0.24982452	-0.11891337	0.56512247	-0.117104274	0.39095889	-0.08884472	0.68882108	-0.22488023	0.01814890
ENSG0000																			

ENSG0000023549	8	85440996	85449115	CALAS1	lncRNA	-0.211849332	-0.05625338	-0.15536511	0.28131320	-0.11847654	0.55278623	-0.1547294	0.4499674	-0.17749739	0.19912724	0.00881845	0.60285591	-0.25411709	0.07492931		
ENSG0000023569	7	8125500	8222871	LOC100287197	lncRNA	-0.22441337	-0.14335367	0.0317348	0.0875766	0.07561418	0.17061418	-0.17292533	0.1136623	-0.21952537	0.1136623	0.08824729	0.08824729	0.08824729	0.08824729	0.08824729	
ENSG0000044481	8	363044	366447	STAC	protein coding	-0.1992416	-0.1276161	-0.1992416	0.1276161	-0.1992416	0.1276161	-0.1992416	0.1276161	-0.1992416	0.1276161	-0.1992416	0.1276161	-0.1992416	0.1276161	-0.1992416	
ENSG0000027201	6	8195500	8196737	LOC182644	lncRNA	-0.2870565	0.01821269	-0.2771160	0.0514184	-0.1021249	0.3635240	-0.4488254	0.0314280	-0.3488012	0.0320370	-0.00868812	0.00800840	-0.05069823	-0.1518297	0.1158297	
ENSG0000023237	8	10522339	10598981	LOC100287197	lncRNA	-0.280808	0.0174664	-0.2433059	0.3697300	-0.2111557	0.14917426	-0.1314891	0.5171793	-0.307394	0.0226276	-0.0907479	0.0600352	-0.2217818	0.0226276	0.0600352	
ENSG0000016903	12	12200000	12200000	HTRAI1	protein coding	-0.280808	0.0174664	-0.2433059	0.3697300	-0.2111557	0.14917426	-0.1314891	0.5171793	-0.307394	0.0226276	-0.0907479	0.0600352	-0.2217818	0.0226276	0.0600352	
ENSG0000018150	12	12266990	12266990	SPR19	protein coding	-0.2286512	0.04846992	-0.0827911	0.1456670	-0.1281125	0.3449934	-0.4785993	0.1706979	-0.1281125	0.3449934	-0.4785993	0.1706979	-0.1281125	0.3449934	-0.4785993	0.1706979
ENSG0000017085	18	2652340	2656577	MG2	protein coding	-0.1962379	0.0823644	-0.0545177	0.1079389	-0.0733002	0.1613399	-0.0268118	0.0866177	-0.1247145	0.3575663	-0.0904645	0.3575663	-0.0904645	0.3575663	-0.0904645	0.3575663
ENSG00000142149	8	11095393	11100795	LOC100287197	lncRNA	-0.280808	0.0174664	-0.2433059	0.3697300	-0.2111557	0.14917426	-0.1314891	0.5171793	-0.307394	0.0226276	-0.0907479	0.0600352	-0.2217818	0.0226276	0.0600352	
ENSG0000010295	13	9560180	9595342	UGT1	protein coding	-0.2013073	0.07655633	-0.2598157	0.1131527	-0.1098599	0.0888917	-0.3306396	0.05026243	-0.1979884	0.21966138	-0.0979884	0.0796103	-0.0979884	0.0796103	-0.0979884	0.0796103
ENSG0000024988	4	1411398	1410420	LINC01085	transcribed across	-0.207968	0.06525213	-0.0764897	0.0962741	-0.3202143	0.1543919	-0.0501180	0.3717173	-0.2301364	0.0687078	-0.0989632	0.0796830	-0.2201066	0.1111445	0.4320754	
ENSG00000142149	8	3187200	3204463	LOC100287197	lncRNA	-0.280808	0.0174664	-0.2433059	0.3697300	-0.2111557	0.14917426	-0.1314891	0.5171793	-0.307394	0.0226276	-0.0907479	0.0600352	-0.2217818	0.0226276	0.0600352	
ENSG0000027983	7	8033341	8033436	LOC124314	lncRNA	-0.03086013	0.7910333	-0.0567137	0.0567137	-0.0567137	0.0567137	-0.0567137	0.0567137	-0.0567137	0.0567137	-0.0567137	0.0567137	-0.0567137	0.0567137	-0.0567137	
ENSG0000014579	7	826294	8284022	ZNF70	protein coding	-0.2701344	0.0717968	-0.1336573	0.3836150	-0.2906524	0.2494252	-0.1429155	0.4770017	-0.3672192	0.0010109	-0.0910592	0.0786297	-0.3113529	0.0771391	0.0771391	
ENSG0000009887	20	3601904	3623738	SPR11	protein coding	-0.2588978	0.0224948	-0.0084186	0.1743606	-0.1988947	0.1314941	-0.0071312	0.1014968	-0.2000713	0.00045274	-0.0103739	0.07954632	-0.3381008	0.0009232	0.0009232	
ENSG0000028278	2	4516916	4511673	LOC100287197	lncRNA	-0.19031681	0.0937316	-0.1847324	0.1927081	-0.0705713	0.1726162	-0.2455713	0.1264966	-0.1663244	0.2220270	-0.0105608	0.07000373	-0.1600573	0.2851039	0.2851039	
ENSG0000028620	14	1454978	1454620	LOC100287197	lncRNA	-0.2242423	0.04899578	-0.1007942	0.2463337	-0.0279436	0.08461194	-0.1814292	0.3610094	-0.1903373	0.17869518	-0.010073	0.0942441	-0.1054839	0.1054839	0.1054839	
ENSG0000025434	1	2947290	2944729	LOC100287197	lncRNA	-0.0039634	0.99911056	-0.1007174	0.4040023	-0.2949716	0.13514394	-0.1333367	0.4933731	-0.0009923	0.8649174	-0.010073	0.0942441	-0.1054839	0.1054839	0.1054839	
ENSG00000147036	X	3717169	3784443	LINC13	protein coding	-0.2268306	0.0474717	-0.1607942	0.3036117	-0.2081108	0.1308614	-0.1815055	0.2054468	-0.1815055	0.2054468	-0.1815055	0.2054468	-0.1815055	0.2054468	-0.1815055	
ENSG0000009229	14	2424814	2424432	TGM1	protein coding	-0.3444752	0.0039154	-0.1804651	0.2406517	-0.3592773	0.0696009	-0.2017858	0.3127931	-0.3527207	0.0088928	-0.0110838	0.072692	-0.3630732	0.0306414	0.0306414	
ENSG0000015719	7	15507034	15507392	HTRAI	protein coding	-0.280808	0.0174664	-0.2433059	0.3697300	-0.2111557	0.14917426	-0.1314891	0.5171793	-0.307394	0.0226276	-0.0907479	0.0600352	-0.2217818	0.0226276	0.0600352	
ENSG0000025963	15	95805793	9911818	LOC100287197	lncRNA	-0.181585738	0.11398815	-0.1479344	0.3052478	-0.1032231	0.05168343	-0.2081053	0.29740004	-0.1828955	0.19592304	-0.0128955	0.15952078	-0.085112	0.085112	0.085112	
ENSG0000018604	12	506770	5261859	KRT73	protein coding	-0.1153882	0.1875225	-0.0918058	0.529628	-0.1220211	0.1518087	-0.1831651	0.3046027	-0.2065313	0.13402738	-0.0111671	0.0792943	-0.1228789	0.4320754	0.4320754	
ENSG0000011703	1	407187	4084054	KCNK4	protein coding	-0.3254221	-0.0110553	-0.2826720	0.3321056	-0.0505691	-0.1212627	-0.4307769	0.1153382	-0.4307769	0.1153382	-0.4307769	0.1153382	-0.4307769	0.1153382	-0.4307769	
ENSG0000026788	8	4208912	4208973	LINC01085	transcribed across	-0.08351957	0.4701915	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	
ENSG0000023489	7	4140214	4142504	LOC100287197	lncRNA	-0.3023298	0.0713435	-0.1434815	0.3218742	-0.1910149	0.4588142	-0.2827278	0.1511058	-0.3543773	0.0039394	-0.0115094	0.0781487	-0.2884136	0.0422327	0.0422327	
ENSG0000012180	14	2218338	2218371	TSPAN2	lncRNA	-0.0465333	0.69990704	-0.06718704	0.64249034	-0.2791319	0.1886816	-0.1692575	0.4003321	-0.0643894	0.6387359	-0.0115094	0.0781487	-0.2884136	0.0422327	0.0422327	
ENSG0000029711	11	11568918	11568117	AP009497	lncRNA	-0.2704774	0.073345	-0.2107684	0.1598127	-0.1389016	0.0826973	-0.2891126	0.1917449	-0.2891126	0.1917449	-0.2891126	0.1917449	-0.2891126	0.1917449	-0.2891126	
ENSG0000028559	18	3955544	3956544	LOC100287197	lncRNA	-0.2984288	0.01077104	-0.14274534	0.3247671	-0.1318717	0.1103828	-0.1599972	0.4381654	-0.2989817	0.0202915	-0.0115644	0.0781487	-0.2884136	0.0422327	0.0422327	
ENSG0000029528	12	1000000	1000000	LOC100287197	lncRNA	-0.2984288	0.01077104	-0.14274534	0.3247671	-0.1318717	0.1103828	-0.1599972	0.4381654	-0.2989817	0.0202915	-0.0115644	0.0781487	-0.2884136	0.0422327	0.0422327	
ENSG0000024820	3	14690685	14737068	LOC100287197	lncRNA	-0.02303473	0.84124105	-0.0274501	0.84124105	-0.0274501	0.84124105	-0.0274501	0.84124105	-0.0274501	0.84124105	-0.0274501	0.84124105	-0.0274501	0.84124105	-0.0274501	
ENSG00000100721	14	9570947	9571481	TCL1A	protein coding	-0.1674347	0.23567123	-0.1895139	0.18744529	-0.2440078	0.1943170	-0.3369969	0.1834174	-0.1834292	0.2777896	-0.0124565	0.0782934	-0.0294749	0.5284967	0.5284967	
ENSG0000023652	12	1000000	1000000	LOC100287197	lncRNA	-0.2984288	0.01077104	-0.14274534	0.3247671	-0.1318717	0.1103828	-0.1599972	0.4381654	-0.2989817	0.0202915	-0.0115644	0.0781487	-0.2884136	0.0422327	0.0422327	
ENSG0000027720	7	4526246	4526746	MCOX5	lncRNA	-0.1674347	0.23567123	-0.1895139	0.18744529	-0.2440078	0.1943170	-0.3369969	0.1834174	-0.1834292	0.2777896	-0.0124565	0.0782934	-0.0294749	0.5284967	0.5284967	
ENSG0000028731	1	16898363	16898263	LOC15326	lncRNA	-0.1674347	0.23567123	-0.1895139	0.18744529	-0.2440078	0.1943170	-0.3369969	0.1834174	-0.1834292	0.2777896	-0.0124565	0.0782934	-0.0294749	0.5284967	0.5284967	
ENSG0000011719	8	1000000	1000000	LOC100287197	lncRNA	-0.2984288	0.01077104	-0.14274534	0.3247671	-0.1318717	0.1103828	-0.1599972	0.4381654	-0.2989817	0.0202915	-0.0115644	0.0781487	-0.2884136	0.0422327	0.0422327	
ENSG0000026788	8	4208912	4208973	LINC01085	transcribed across	-0.08351957	0.4701915	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	
ENSG0000026788	8	4208912	4208973	LINC01085	transcribed across	-0.08351957	0.4701915	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	0.2885108	-0.1580979	
ENSG0000012306	8	13281459	13281756	RPS12	protein coding	-0.14688257	0.20240394	-0.0729247	0.4873891	-0.4455930	0.1984904	-0.1463357	0.4653453	-0.2369811	0.1018477	-0.0138448	0.0782934	-0.0294749	0.5284967	0.5284967	
ENSG0000028722	14	144484	144484	LOC100287197	lncRNA	-0.2984288	0.01077104	-0.14274534	0.3247671	-0.1318717	0.1103828	-0.1599972	0.4381654	-0.2989817	0.0202915	-0.01156					

ENSG0000028619	2	45173722	45175933	AC009236.1	lncRNA	-0.170190709	0.138924019	-0.055318119	0.702789947	-0.181858785	0.363955145	-0.071232254	0.7240376	-0.219392919	0.110943645	-0.093004083	0.670987040	-0.173556443	0.228634333	
ENSG0000028625	2	4502178	4745471	TTC27.2	lncRNA	-0.2903272	0.02628179	-0.15387661	0.438893207	-0.3476774	0.1151154	-0.2974478	0.2966670	-0.2974478	0.0566670	0.0566670	0.0566670	0.0566670	0.0566670	0.0566670
ENSG0000034196	12	6940424	6940424	RP24.2	processed pseudogene	-0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG0000025684	12	164664	166231	AC02369.2	lncRNA	-0.27485884	0.10639933	-0.052154460	0.52444990	-0.16385207	0.41472000	-0.04935950	0.0867112	-0.29127997	0.04937049	-0.05364739	0.07083030	-0.11209150	0.02326020	
ENSG0000028717	1	51226229	51227773	AL015693.1	processed pseudogene	-0.22472873	0.0436936	-0.12183186	0.40000930	-0.00851014	0.48478761	-0.2608730	0.18874755	-0.2895131	0.08133370	-0.09398581	0.07074242	-0.20716221	0.0111855	
ENSG0000015764	1	10291300	10294111	LRRC17	protein coding	-0.12528127	0.27746238	-0.051133872	-0.0247773	-0.20051014	0.31599675	-0.0476170	0.095111372	-0.12914491	0.35199999	-0.09368815	0.07070115	-0.16963467	0.23806979	
ENSG0000016599	3	132891348	13294867	INT3	protein coding	-0.19480807	0.08681267	-0.03152750	0.2777354	-0.14180347	0.4801269	-0.0807549	0.65977146	-0.2278625	0.04949607	-0.0934862	0.07666338	-0.2474996	0.08383114	
ENSG0000014592	11	7789120	7789121	INCA4	protein coding	-0.20291445	0.09679753	-0.18184562	0.21480771	-0.19722306	0.58911799	-0.24409191	0.11215904	-0.0347890	0.64438195	-0.05389771	0.02689350	-0.23889350	0.04923244	
ENSG0000025039	4	21649015	22303030	AC093719.1	lncRNA	-0.21219539	0.06392360	-0.09159672	0.27371357	-0.13545023	0.48759509	-0.06336037	0.79037984	-0.07129265	0.14068539	-0.09378005	0.07049481	-0.23331507	0.09598761	
ENSG0000029198	1	13064572	13064623	AL049753.1	processed pseudogene	-0.22124911	0.05210769	-0.17339021	0.21269586	-0.2938984	0.4968776	-0.19895880	0.31687038	-0.2072111	0.13272604	-0.0834917	0.07049481	-0.26051716	0.02273970	
ENSG0000016992	3	10592182	10592383	RP24.2	processed pseudogene	-0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG0000029924	10	11443113	11447880	ABL1M1	protein coding	-0.173888417	0.23177638	-0.01265221	0.29305885	-0.07072919	0.2986069	-0.049018075	0.8081754	-0.25957168	0.05032321	-0.07574886	0.07049481	-0.13218884	0.08015773	
ENSG0000026159	15	2543683	25437283	AC010774.1	lncRNA	-0.11042927	0.3388165	-0.03217276	0.834861	-0.04227796	0.2662907	-0.14514486	0.48989372	-0.2843622	0.0887626	-0.09392917	0.07049481	-0.08003213	0.08836717	
ENSG0000029208	17	7600936	7600936	CD3C	protein coding	-0.13382008	0.09119078	-0.16527419	0.25177531	-0.18389265	0.3608762	-0.2091701	0.2505607	-0.2019739	0.14300635	-0.09378602	0.07034785	-0.19383693	0.1778161	
ENSG00000180787	17	5078487	5088374	ZFP3	protein coding	-0.12815066	0.26070478	-0.01870393	0.848671831	-0.13427701	0.50548478	-0.15634032	0.43409022	-0.05858315	0.07384811	-0.09330136	0.07192051	-0.19970251	0.0643877	
ENSG0000027282	3	4303376	4303438	AC020171.5	lncRNA	-0.10141340	0.38015991	-0.03242734	0.26207440	-0.02396227	0.95583399	-0.00841237	0.98670206	-0.12268349	0.3757103	-0.08327412	0.07023300	-0.11188549	0.444043172	
ENSG0000022529	3	1645438	1646440	FCBP2L1	protein coding	-0.15104519	0.19095173	-0.09911949	0.34939504	-0.0411198	0.2037899	-0.25292281	0.19632014	-0.1881953	0.17295724	-0.09313056	0.0702200	-0.2126186	0.07749901	
ENSG00000230777	1	17592175	17592145	RP2955.9	processed pseudogene	-0.10300344	0.17299122	-0.01334245	0.925811988	-0.03132669	0.64542958	-0.05429583	0.69687836	-0.18769189	0.07526761	-0.09311919	0.02962240	-0.04928248	0.04928248	
ENSG00000188187	16	7499924	75110994	ZNR1	protein coding	-0.25213879	0.02692373	-0.04804710	0.74630151	-0.33695917	0.08324036	-0.0528389	0.78846488	-0.2672897	0.00112687	-0.09386307	0.07015383	-0.33269008	0.01723939	
ENSG00000201559	15	3449420	3449560	FCBP2L1	processed pseudogene	-0.06957404	0.46724470	-0.18184562	0.21480771	-0.19722306	0.58911799	-0.24409191	0.11215904	-0.0347890	0.64438195	-0.05389771	0.02689350	-0.23889350	0.04923244	
ENSG00000254069	16	14727847	14733347	AC013443.1	lncRNA	-0.17186687	0.13501781	-0.09707859	0.48611968	-0.06286448	0.17757871	-0.05049029	0.67831724	-0.20082148	0.03392062	-0.09380181	0.07008166	-0.11707018	0.21863390	
ENSG00000184106	6	4120713	41217847	TRPM3P	transcribed unannotated	-0.27468757	0.01920401	-0.15615913	0.27784034	-0.30118533	0.0733377	-0.45222209	0.01729834	-0.4088088	0.00430284	-0.0938035	0.69962421	-0.21339231	0.136765284	
ENSG00000198358	5	12181876	12224458	PTNIP2	protein coding	-0.12191498	0.14292493	-0.22972575	0.1103894	-0.22027004	0.2659363	-0.1063743	0.18814472	-0.0470261	0.31000303	-0.09326202	0.08989841	-0.15449763	0.28909074	
ENSG00000234050	X	10248370	10248561	FRS3	transcribed unannotated	-0.22744781	0.04869189	-0.1293619	0.3698316	-0.28444110	0.14885322	-0.1182333	0.57333346	-0.19857229	0.11429093	-0.09383369	0.08974889	-0.32245616	0.0232424	
ENSG0000027272	22	50541108	5054301	UCB137.3	lncRNA	-0.01529888	0.82687002	-0.24888398	0.09109997	-0.13048559	0.15917888	-0.2828128	0.1597395	-0.07640206	0.58229287	-0.09383676	0.88979175	-0.13881427	0.33705572	
ENSG0000023318	21	36145713	36152484	AP000995.2	lncRNA	-0.10081391	0.34121899	-0.15996468	0.28713327	-0.148487142	0.46584903	-0.18692629	0.38709107	-0.02092004	0.70495892	-0.09376881	0.68927869	-0.09376881	0.68927869	
ENSG00000177888	6	14942082	14941278	SUMO4	protein coding	-0.05080119	0.166150891	-0.1102263	0.44602840	-0.026298748	0.75482153	-0.04871282	0.14247683	-0.0938917	0.08988271	-0.12888712	0.06896337	-0.18898712	0.62993834	
ENSG0000028976	6	657271	657218	AC019398.2	lncRNA	-0.20660119	0.01134917	-0.20789716	0.14748460	-0.130955128	0.514867153	-0.2892655	0.14675721	-0.21136343	0.12469874	-0.0403311	0.69581881	-0.17834635	0.01466752	
ENSG00000234719	2	23855441	23855441	AC020962.1	processed pseudogene	-0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG00000234279	2	23855441	23854484	LINC01931	lncRNA	-0.28264989	0.07139114	-0.20789716	0.14748460	-0.130955128	0.514867153	-0.2892655	0.14675721	-0.21136343	0.12469874	-0.0403311	0.69581881	-0.17834635	0.01466752	
ENSG00000107699	10	8124424	12192842	ATE1	protein coding	-0.09413754	0.15442488	-0.11041909	0.44524220	-0.12604498	0.281116884	-0.0885692	0.0144726	-0.29081793	0.04292304	-0.0470268	0.09427028	-0.04928248	0.04928248	
ENSG00000104714	8	1214748	788186	AC01434.1	lncRNA	-0.173888417	0.23177638	-0.01265221	0.29305885	-0.07072919	0.2986069	-0.049018075	0.8081754	-0.25957168	0.05032321	-0.07574886	0.07049481	-0.13218884	0.08015773	
ENSG00000289227	17	7381572	7380189	AC012421.2	lncRNA	-0.28070045	0.01988299	-0.16306779	0.26747222	-0.20985341	0.34360161	-0.1761004	0.3743110	-0.0647531	0.02921362	-0.04105037	0.69311299	-0.30207718	0.03029729	
ENSG00000251344	1	12118116	12118100	HSPA	processed pseudogene	-0.10636842	0.88581148	-0.0658789	0.48127488	-0.10211376	0.26858749	-0.1084128	0.59179620	-0.04544556	0.06865157	-0.09312071	0.36866592	-0.06258421	0.06258421	
ENSG00000215272	13	19580313	19581289	ESRRAP1	protein coding	-0.162087314	0.04746633	-0.09414728	0.14208764	-0.25140202	0.20073352	-0.09411708	0.64562200	-0.17673391	0.20109920	-0.0938035	0.69926251	-0.2041818	0.15483654	
ENSG00000289129	2	18987884	18987884	AC019690.2	processed pseudogene	-0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	
ENSG00000233874	2	21661237	21446011	AC013895.1	processed pseudogene	-0.22954088	0.10488310	-0.09414728	0.14208764	-0.25140202	0.20073352	-0.09411708	0.64562200	-0.17673391	0.20109920	-0.0938035	0.69926251	-0.2041818	0.15483654	
ENSG00000202760	11	67782573	67782335	AL11GLP	processed pseudogene	-0.24442259	0.03216668	-0.02029694	0.88868768	-0.273581516	0.18733889	-0.10553260	0.60038127	-0.24648884	0.05310769	-0.04194422	0.6991304	-0.31738682	0.04070789	
ENSG00000198370	2	15898680	15892365	TANC1	protein coding	-0.3081109	0.04604733	-0.12987487	0.3838360	-0.10437878	0.7208789	-0.10565271	0.54815742	-0.0853396	0.0290398	-0.09315601	0.30304156	-0.0101370	0.0101370	
ENSG00000204919	8	14165554	14126871	AC011676.2	lncRNA	-0.08405437	0.07596242	-0.1304341	0.36087585	-0.01037887	0.89526309	-0.09989480	0.83063028	-0.0247677	0.88315742	-0.04198149	0.68898884	-0.08887268	0.44898356	
ENSG00000289558	3	14165554	14126871	AC011676.2	lncRNA	-0.08405437	0.07596242													

Table with 10 columns: Gene ID, Chr, Pos, RefSeq ID, Feature, Start, End, Strand, RefSeq ID, Feature, Start, End, Strand. Contains genomic coordinates and gene annotations for various genes like AC015660, AC015661, AC015662, etc.

Table with columns for gene names, coordinates, and various identifiers. The table lists numerous genes such as ENDOG00288571, ENDOG00185339, ENDOG00248174, etc., along with their genomic coordinates and associated identifiers.

Table with columns for gene names, coordinates, and various identifiers. The table lists numerous genes such as TMEM108, SRSF5, and others, along with their genomic coordinates and associated identifiers.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. The table lists various genes and their genomic features across a range of chromosomes.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq, RefSeq ID, RefSeq ID, RefSeq ID. Contains genomic coordinates and gene annotations for various genes like AL137003, AL137004, AL137005, etc.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and a list of associated SNPs with their rs IDs and p-values. The table is organized in a grid-like format with multiple columns.

ENSG00000196418	1	247121975	247120176	ZNF124	protein coding	0.11362537	0.32514314	0.004300633	0.97635344	0.486821698	0.01019533	0.17078391	0.384430949	0.300536472	0.02723939	0.114450404	0.59074957	0.07260236	0.61326208	
ENSG0000027240	22	13097121	55977989	KIF31-7	lncRNA	0.08002464	0.0531374	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000015393	20	20171460	20171460	ATAD2	protein coding	0.00000000	0.00011334	0.15510010	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000132024	19	13096720	13096720	CC2D1A	protein coding	0.05407749	0.06374744	0.15814797	0.20024242	0.02431894	0.00770320	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000027000	1	17086138	17086138	CCND1	protein coding	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000020174	1	17086138	17086138	RANBP17	protein coding	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	
ENSG0000024203	X	103626076	103626042	TCF15L-AS1	lncRNA	0.067888203	0.55918499	0.00715622	0.02005942	0.01011776	0.61895575	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000021290	17	38651943	38651943	RPLP0-29B	antisense RNA	0.01183625	0.91962534	0.04782212	0.07173710	0.11333000	0.57324633	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000027911	12	14855952	14855952	SLC35A3	protein coding	0.01073240	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000020100	X	48691198	48691198	SLC35A3	protein coding	0.24292532	0.03343609	0.07862210	0.27217073	0.01133600	0.11433566	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000017656	1	20822422	20824488	PLA2G4B	protein coding	0.24952963	0.03260869	0.18989819	0.20785999	0.06527470	0.49138871	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000024201	7	11717920	11717920	AC09367.6	antisense RNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000020552	18	36179996	36178448	AC029343.1	lncRNA	0.11052299	0.33881971	0.08132873	0.04024711	0.04133662	0.11433566	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000023480	4	17361936	17361936	MORF4	protein coding	0.10687556	0.35201710	0.15123207	0.24473688	0.14292023	0.68313274	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000028473	1	3497438	34983113	AC011449.3	lncRNA	0.1298729	0.29390295	0.00909268	0.94894234	0.14187498	0.47893457	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000196559	2	17754896	17752786	TC3CB	protein coding	0.10410656	0.37659358	0.05451295	0.13668886	0.14357011	0.47835748	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000022488	1	17735192	17743788	LINC01845	lncRNA	0.14736202	0.20091765	0.0823241	0.05153300	0.39622733	0.00844484	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000015492	1	16629291	17096941	PLC4	protein coding	0.16531414	0.15007901	0.05243965	0.19416891	0.24778911	0.2415847	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000025320	8	64091	64300	AC014568.1	lncRNA	0.02809381	0.01399444	0.00710904	0.05249873	0.00953240	0.06286292	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000026928	12	12293730	12296297	AC029362.1	lncRNA	0.04091499	0.66362365	0.08627414	0.08292973	0.08629379	0.7132692	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000020625	15	6740463	6740463	RNU1-1	antisense RNA	0.01861919	0.66523104	0.16749229	0.28791231	0.01733007	0.5941127	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000024621	11	7431132	74324705	PNAH-AS1	lncRNA	0.13480605	0.2424305	0.12284576	0.39718742	0.07893922	0.06828525	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000024376	7	2978575	2729729	HTT-1P	lncRNA	0.04414143	0.0021943	0.22925415	0.11577166	0.29891001	0.29910122	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000024681	1	2955629	2963397	CABP07	protein coding	0.10539338	0.15437103	0.04734867	0.14208477	0.00929293	0.16310955	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000025280	11	1124318	1124318	KOBT7392.1	lncRNA	0.203262016	0.06800470	0.02850447	0.16577615	0.18764687	0.34848748	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000018419	5	9025394	9116447	ADGUV1	protein coding	0.34898015	0.0011181	0.22459921	0.11699870	0.19055057	0.42139573	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000019970	4	15203944	15203944	FRWV	protein coding	0.24989301	0.00299381	0.10758747	0.02617643	0.01503098	0.06097938	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000026751	19	314176	315173	AC050264.1	lncRNA	0.01447787	0.05901618	0.11642504	0.01642504	0.18049759	0.88109573	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000017127	4	1047339	1011849	WDR1	protein coding	0.07195927	0.15588911	0.00521312	0.03704462	0.43370230	0.0381458	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000016341	1	10000000	10000000	AC017892.1	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000203024	10	10024871	10024871	PHF9	protein coding	0.10482639	0.10866055	0.13698291	0.03704462	0.01410801	0.84412498	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000020446	6	3225719	3225922	TPST3-G3	protein coding	0.16236329	0.05891286	0.16735345	0.11940219	0.29792223	0.14588043	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000026515	4	2024424	2024424	AC019114	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000205480	6	2282620	2284213	LINC01239	lncRNA	0.13381192	0.2456556	0.09205583	0.03110756	0.54774142	0.11181123	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000199306	12	5299495	5400337	HXC9	protein coding	0.11129773	0.00582633	0.08127021	0.07574042	0.38989844	0.05952722	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000017170	1	9077460	9077460	AC019114	lncRNA	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG00000154639	21	1751303	1759370	HXC9	protein coding	0.26848326	0.01762674	0.04210638	0.02491060	0.07018091	0.03593723	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000027277	4	8274307	8293407	AC012401.6	lncRNA	0.18775309	0.2021169	0.18178905	0.2054727	0.04813029	0.18113891	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
ENSG0000012721	1	1544800	1544800	AC012401.6	lncRNA	0.18775309														

Table with 10 columns: Gene ID, Gene Name, Feature, Coordinates, and various numerical values. The table lists numerous genes such as HPA75, HPA76, HPA77, etc., with their corresponding genomic coordinates and associated data points.

ENSG00000260378	16	12745373	12793763	AC109597.1	lncRNA	-0.02648382	0.42347352	-0.10697005	0.45171754	0.20261907	0.30448018	-0.05986706	0.76675319	-0.00081059	0.66224982	-0.12899714	0.56705249	0.12525123	0.38128211
ENSG00000260379	16	7367174	7684444	UC003813.3	lncRNA	-0.20263324	0.00007761	-0.22980501	0.43902451	0.11331101	0.584181	-0.3442061	0.0745895	-0.34059994	0.6187299	-0.1317117	0.56705249	0.12525123	0.38128211
ENSG00000260380	16	7367174	7684444	UC003813.3	lncRNA	-0.20263324	0.00007761	-0.22980501	0.43902451	0.11331101	0.584181	-0.3442061	0.0745895	-0.34059994	0.6187299	-0.1317117	0.56705249	0.12525123	0.38128211
ENSG00000260381	16	23576574	23796711	PRH1	protein coding	-0.23478631	0.05337584	-0.16688882	0.24930241	0.22341009	0.24828501	-0.17662856	0.37185072	-0.2542891	0.60230167	-0.12934497	0.56693704	0.02670411	0.05212626
ENSG00000260382	16	6622895	6628231	AC10508.2	lncRNA	-0.11543962	0.31742070	-0.1883744	0.11813704	0.08337609	0.6726285	-0.02108661	0.18487916	-0.11507166	0.64734607	-0.12937017	0.56693704	0.02670411	0.05212626
ENSG00000260383	16	3116987	3116987	DVC	transcribed unprocessed	-0.19249138 <th>0.02949574</th> <th>-0.22482485</th> <th>0.43902451</th> <th>0.11331101</th> <th>0.584181</th> <th>-0.3442061</th> <th>0.0745895</th> <th>-0.34059994</th> <th>0.6187299</th> <th>-0.1317117</th> <th>0.56705249</th> <th>0.12525123</th> <th>0.38128211</th>	0.02949574	-0.22482485	0.43902451	0.11331101	0.584181	-0.3442061	0.0745895	-0.34059994	0.6187299	-0.1317117	0.56705249	0.12525123	0.38128211
ENSG00000260384	16	11105317	11105317	AC004029.1	lncRNA	-0.13246245 <th>0.00409293</th> <th>-0.22482485</th> <th>0.43902451</th> <th>0.11331101</th> <th>0.584181</th> <th>-0.3442061</th> <th>0.0745895</th> <th>-0.34059994</th> <th>0.6187299</th> <th>-0.1317117</th> <th>0.56705249</th> <th>0.12525123</th> <th>0.38128211</th>	0.00409293	-0.22482485	0.43902451	0.11331101	0.584181	-0.3442061	0.0745895	-0.34059994	0.6187299	-0.1317117	0.56705249	0.12525123	0.38128211
ENSG00000260385	16	2211446	2211446	MEH17P45	transcribed unprocessed	-0.05041629	0.62831449	-0.08174922 <th>0.24749934</th> <th>0.03615213</th> <th>0.6402636</th> <th>-0.06559264</th> <th>0.74148727</th> <th>-0.04927002</th> <th>0.72718145</th> <th>-0.12937107</th> <th>0.56663456</th> <th>0.04012606</th> <th>0.03674522</th>	0.24749934	0.03615213	0.6402636	-0.06559264	0.74148727	-0.04927002	0.72718145	-0.12937107	0.56663456	0.04012606	0.03674522
ENSG00000260386	16	3116987	3116987	DVC	transcribed unprocessed	-0.19249138	0.02949574	-0.22482485	0.43902451	0.11331101	0.584181	-0.3442061	0.0745895	-0.34059994	0.6187299	-0.1317117	0.56705249	0.12525123	0.38128211
ENSG00000260387	16	3218181	3218181	MGRFP	protein coding	-0.28588871 <th>0.05949974 <th>-0.17444492</th> <th>0.70232293</th> <th>0.41144492</th> <th>0.00235897</th> <th>-0.09289879</th> <th>0.00263580</th> <th>-0.09885501</th> <th>0.51082811</th> <th>-0.12601403</th> <th>0.56672491</th> <th>0.36941482</th> <th>0.03847891</th> </th>	0.05949974 <th>-0.17444492</th> <th>0.70232293</th> <th>0.41144492</th> <th>0.00235897</th> <th>-0.09289879</th> <th>0.00263580</th> <th>-0.09885501</th> <th>0.51082811</th> <th>-0.12601403</th> <th>0.56672491</th> <th>0.36941482</th> <th>0.03847891</th>	-0.17444492	0.70232293	0.41144492	0.00235897	-0.09289879	0.00263580	-0.09885501	0.51082811	-0.12601403	0.56672491	0.36941482	0.03847891
ENSG00000260388	16	8236414	8236414	LINC02449	lncRNA	-0.18800334	0.10081910	-0.17240873	0.22110150	0.02429969	0.98843908	-0.02733493	0.16737305	-0.10389839	0.72581469	-0.12601403	0.56662424	0.34851811	0.01956817
ENSG00000260389	16	2158743	2158743	AC023912.2	lncRNA	-0.2281329	0.03307678	-0.24201063	0.40007311	0.19439923	0.34469923	-0.32117496	0.10123981	-0.27199439	0.69852268	-0.12601403	0.56662424	0.34851811	0.01956817
ENSG00000260390	16	15348478	15348478	MIR6971	lncRNA	-0.16286183	0.15700995	-0.16731203	0.24716183	0.04734668	0.61487817	-0.18323048	0.18476723	-0.12601403	0.56662424	-0.12601403	0.56662424	0.34851811	0.01956817
ENSG00000260391	16	9458922	9458922	AL045311.3	lncRNA	-0.12722768	0.07155797	-0.07526797	0.3021187	0.20365901	0.3041266	-0.04543546	0.78757402	-0.19071637	0.14987288	-0.12613376	0.56632922	0.27249657	0.05172908
ENSG00000260392	16	7077110	7070643	FLCA	protein coding	-0.07421129	0.53308787	-0.2554221	0.38009468	0.05974414	0.80143169	-0.14889181	0.45249776	-0.04976903	0.72044372	-0.12613376	0.56632922	0.27249657	0.05172908
ENSG00000260393	16	95262097	95262097	Y RNA	rnc RNA	-0.00212902	0.9881305	-0.11344446	0.44347685	0.29071202	0.14233998	-0.04681426	0.30577924	-0.01238459	0.52389828	-0.12613376	0.56632922	0.27249657	0.05172908
ENSG00000260394	16	7931713	7937233	RP38	protein coding	-0.03047408	0.94264531	-0.04286137	0.88319283	0.24147153	0.02749813	-0.05573757	0.76305724	-0.02682675	0.83719436	-0.12613376	0.56632922	0.27249657	0.05172908
ENSG00000260395	16	7836391	7832012	AC103795.1	lncRNA	-0.20648314	0.07159923	-0.17674365	0.24962161	0.29032096	0.04949107	-0.11939616	0.71159714	-0.24511596	0.07378976	-0.12613376	0.56632922	0.27249657	0.05172908
ENSG00000260396	16	4101314	41009346	PCDH8	protein coding	-0.27112202	0.01689442	-0.11382222	0.43097336	0.15889961	0.55889961	-0.06822499	0.84469211	-0.21482339	0.68522499	-0.12613376	0.56632922	0.27249657	0.05172908
ENSG00000260397	16	12089090	12089090	ML121P2	transcribed unprocessed	-0.14742713 <th>0.20121164</th> <th>-0.20682322</th> <th>0.14958487</th> <th>0.18472964</th> <th>0.35789226</th> <th>-0.20717290</th> <th>0.09618376</th> <th>-0.14961204</th> <th>0.28237359</th> <th>-0.12613376</th> <th>0.56617917</th> <th>0.06477307</th> <th>0.05811878</th>	0.20121164	-0.20682322	0.14958487	0.18472964	0.35789226	-0.20717290	0.09618376	-0.14961204	0.28237359	-0.12613376	0.56617917	0.06477307	0.05811878
ENSG00000260398	16	2430367	24310744	LINC01347	transcribed unprocessed	-0.19389094	0.00921024	-0.15191197	0.20220161	0.12784712	0.5281774	-0.02033761	0.30494466	-0.22283817	0.16258166	-0.12613376	0.56617917	0.06477307	0.05811878
ENSG00000260399	16	4871901	4891975	AKR1C7	transcribed unprocessed	-0.2382541	0.06921287	-0.17635216	0.20253875	0.09785483	0.62839908	-0.18933402	0.34222167	-0.21149456	0.12713889	-0.12613376	0.56617917	0.06477307	0.05811878
ENSG00000260400	16	1673540	16748981	SLN3992.2	lncRNA	-0.03038477	0.75991033	-0.10472912	0.48910875	0.02025391	0.90007031	-0.28955170	0.14730901	-0.07188155	0.60489821	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260401	16	707638	7917985	USP113	protein coding	-0.11627925	0.05898108	-0.17748113	0.12173783	0.15985385	0.43542243	-0.19585741	0.35611004	-0.14933249	0.15099033	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260402	16	1843732	18467881	SLN3992.2	lncRNA	-0.03038477	0.75991033	-0.10472912	0.48910875	0.02025391	0.90007031	-0.28955170	0.14730901	-0.07188155	0.60489821	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260403	16	19210008	19122649	LINC01010	lncRNA	-0.18210008 <th>0.11226949 <th>-0.13708013</th> <th>0.34289691</th> <th>-0.18279395</th> <th>0.35349691</th> <th>-0.19519517</th> <th>0.15429011</th> <th>-0.32538901</th> <th>0.018088719</th> <th>-0.12622404</th> <th>0.56607953</th> <th>0.24133961</th> <th>0.77509899</th> </th>	0.11226949 <th>-0.13708013</th> <th>0.34289691</th> <th>-0.18279395</th> <th>0.35349691</th> <th>-0.19519517</th> <th>0.15429011</th> <th>-0.32538901</th> <th>0.018088719</th> <th>-0.12622404</th> <th>0.56607953</th> <th>0.24133961</th> <th>0.77509899</th>	-0.13708013	0.34289691	-0.18279395	0.35349691	-0.19519517	0.15429011	-0.32538901	0.018088719	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260404	16	1023884	11029987	LINC02586	lncRNA	-0.2298302	0.0445327	-0.12796187	0.37939867	-0.18114074	0.42208383	-0.17860327	0.32775018	-0.28903362	0.04451746	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260405	16	11047907	11047946	AC020464.1	lncRNA	-0.1222598	0.2894223	-0.09444483	0.59397345	0.12716551	0.52734887	-0.15345154	0.44474752	-0.04813362	0.59081759	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260406	16	11047907	11047946	AC020464.1	lncRNA	-0.1222598	0.2894223	-0.09444483	0.59397345	0.12716551	0.52734887	-0.15345154	0.44474752	-0.04813362	0.59081759	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260407	16	45388680	45612165	SRBD1	protein coding	-0.04483125	0.68999501	-0.14730911	0.30111148	0.07023404	0.72734002	-0.10117446	0.61873505	-0.14317889	0.50161093	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260408	16	10239232	10239419	FGF4	protein coding	-0.17934781 <th>0.11890589</th> <th>-0.09371461</th> <th>0.49742679</th> <th>0.20961324</th> <th>0.83373354</th> <th>-0.04112689</th> <th>0.83325529</th> <th>-0.11667882</th> <th>0.40703504</th> <th>-0.12612739</th> <th>0.56573939</th> <th>0.25817714</th> <th>0.28619502</th>	0.11890589	-0.09371461	0.49742679	0.20961324	0.83373354	-0.04112689	0.83325529	-0.11667882	0.40703504	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260409	16	10239232	10239419	FGF4	protein coding	-0.17934781 <th>0.11890589</th> <th>-0.09371461</th> <th>0.49742679</th> <th>0.20961324</th> <th>0.83373354</th> <th>-0.04112689</th> <th>0.83325529</th> <th>-0.11667882</th> <th>0.40703504</th> <th>-0.12612739</th> <th>0.56573939</th> <th>0.25817714</th> <th>0.28619502</th>	0.11890589	-0.09371461	0.49742679	0.20961324	0.83373354	-0.04112689	0.83325529	-0.11667882	0.40703504	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260410	16	111766887	111817532	ALH2	protein coding	-0.04548119	0.66442519	-0.04420288	0.78051467	0.10663134	0.53373354	-0.08844171	0.73406007	-0.14844158	0.20793440	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260411	16	28153398	28167387	AC023964.1	lncRNA	-0.10877891 <th>0.34426921</th> <th>-0.10171121 <th>0.48016222</th> <th>0.07542561</th> <th>0.7752322</th> <th>-0.21101188</th> <th>0.26242424</th> <th>-0.18555306</th> <th>0.37161436</th> <th>-0.12612739</th> <th>0.56573939</th> <th>0.25817714</th> <th>0.28619502</th> </th>	0.34426921	-0.10171121 <th>0.48016222</th> <th>0.07542561</th> <th>0.7752322</th> <th>-0.21101188</th> <th>0.26242424</th> <th>-0.18555306</th> <th>0.37161436</th> <th>-0.12612739</th> <th>0.56573939</th> <th>0.25817714</th> <th>0.28619502</th>	0.48016222	0.07542561	0.7752322	-0.21101188	0.26242424	-0.18555306	0.37161436	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260412	16	2430367	24310744	LINC01347	transcribed unprocessed	-0.19389094	0.00921024	-0.15191197	0.20220161	0.12784712	0.5281774	-0.02033761	0.30494466	-0.22283817	0.16258166	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260413	16	1843732	18467881	SLN3992.2	lncRNA	-0.03038477	0.75991033	-0.10472912	0.48910875	0.02025391	0.90007031	-0.28955170	0.14730901	-0.07188155	0.60489821	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260414	16	1673540	16748981	SLN3992.2	lncRNA	-0.03038477	0.75991033	-0.10472912	0.48910875	0.02025391	0.90007031	-0.28955170	0.14730901	-0.07188155	0.60489821	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260415	16	9335881	9407925	AC101451.3	lncRNA	-0.44996279 <th>0.01198981</th> <th>-0.20923983</th> <th>0.15071392</th> <th>0.04188837</th> <th>0.02973702</th> <th>-0.25474738</th> <th>0.19971874</th> <th>-0.38206762</th> <th>0.02049954</th> <th>-0.12622404</th> <th>0.56607953</th> <th>0.24133961</th> <th>0.77509899</th>	0.01198981	-0.20923983	0.15071392	0.04188837	0.02973702	-0.25474738	0.19971874	-0.38206762	0.02049954	-0.12622404	0.56607953	0.24133961	0.77509899
ENSG00000260416	16	10239232	10239419	FGF4	protein coding	-0.17934781 <th>0.11890589</th> <th>-0.09371461</th> <th>0.49742679</th> <th>0.20961324</th> <th>0.83373354</th> <th>-0.04112689</th> <th>0.83325529</th> <th>-0.11667882</th> <th>0.40703504</th> <th>-0.12612739</th> <th>0.56573939</th> <th>0.25817714</th> <th>0.28619502</th>	0.11890589	-0.09371461	0.49742679	0.20961324	0.83373354	-0.04112689	0.83325529	-0.11667882	0.40703504	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG00000260417	16	10239232	10239419	FGF4	protein coding	-0.17934781 <th>0.11890589</th> <th>-0.09371461</th> <th>0.49742679</th> <th>0.20961324</th> <th>0.83373354</th> <th>-0.04112689</th> <th>0.83325529</th> <th>-0.11667882</th> <th>0.40703504</th> <th>-0.12612739</th> <th>0.56573939</th> <th>0.25817714</th> <th>0.28619502</th>	0.11890589	-0.09371461	0.49742679	0.20961324	0.83373354	-0.04112689	0.83325529	-0.11667882	0.40703504	-0.12612739	0.56573939	0.25817714	0.28619502
ENSG0000																			

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand. Contains genomic coordinates and gene annotations for various genes like RNU6-1, RNU6-2, RNU6-3, etc.

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Link. Contains genomic coordinates and gene annotations for various genes including TBC1D30A, GRLH-1, TSC2D3, etc.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript ID, and various numerical values. The table lists numerous genes such as ILNRD1, PIP5K3A, and many others, each with associated genomic data.

Table with 15 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature, Start, End, Start, End, Start, End, Start, End, Start, End. Contains genomic coordinates and gene annotations for various genes like APOE, APOB, APOC, etc.

Table with 10 columns: Gene ID, Chr, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand, Start, End, RefSeq ID, Gene Name, Feature Type, Strand. Contains genomic coordinates and gene annotations for various genes like ALX4, ALX4L1, ALX4L2, etc.

Table with columns for gene names, accession numbers, coordinates, and various data points. The table lists numerous genes such as ENDOG00023185, ENDOG00023186, ENDOG00023187, etc., with their corresponding genomic coordinates and associated values.

Table with 10 columns: Gene ID, Chr, Start, End, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description, RefSeq Accession. Contains a comprehensive list of genes and their associated RefSeq identifiers.

Table with 10 columns: Gene ID, Ensembl ID, Gene Name, Feature Type, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. The table lists numerous genes and their associated features, including protein-coding genes, lincRNAs, and miRNAs, with their genomic coordinates and RefSeq identifiers.

Table with 10 columns: Gene ID, RefSeq ID, Gene Name, Type, and various numerical values. The table lists numerous genes such as PDI3A, ACP2, RND2B, etc., with their corresponding identifiers and associated data points.

ENSG0000025280	12	65281657	65282709	AC026124.1	lincRNA	-0.17375151	0.131574474	0.10018621	0.48891100	-0.472028184	0.21415943	-0.010574200	0.95825254	-0.15311391	0.26774838	-0.16473284	0.62527743	0.231339743	0.105984653
ENSG0000025275	12	12639797	12640414	AC027356.1	lincRNA	-0.16958653	0.06726306	-0.15715957	0.27925850	-0.26565851	0.18184651	-0.142772753	0.47745253	-0.25813089	0.02626203	-0.16474574	0.45241313	0.18466279	0.17447629
ENSG0000040071	1	14592388	14592388	RP23-258.1	transcribed unprocessed	-0.14587319	0.20662424	-0.05017272	0.72950500	-0.06881129	0.63717762	0.00348088	0.41509428	0.00348088	0.58170001	-0.16476963	0.46249764	0.22671327	0.03810455
ENSG0000016511	1	44997898	45000888	ZNF22-AS1	lincRNA	-0.14587319	0.20662424	-0.05017272	0.72950500	-0.06881129	0.63717762	0.00348088	0.41509428	0.00348088	0.58170001	-0.16476963	0.46249764	0.22671327	0.03810455
ENSG0000022604	1	23446289	23446311	HLA608L.1	transcribed unprocessed	-0.30177889	0.06704749	-0.15227220	0.423305	-0.30485162	0.58124071	-0.16122360	0.82418974	-0.28431417	0.00073198	-0.16471151	0.42464901	0.37749881	0.00680821
ENSG0000010392	13	3096132	3096132	LOC100287322	transcribed unprocessed	-0.18445453	0.06704749	-0.15227220	0.423305	-0.30485162	0.58124071	-0.16122360	0.82418974	-0.28431417	0.00073198	-0.16471151	0.42464901	0.37749881	0.00680821
ENSG0000010139	20	5128679	51287787	CD32	protein coding	-0.18950284	0.08804472	-0.220202	0.12338838	-0.10793547	0.46407653	-0.30634062	0.42118974	-0.22962468	0.09488587	-0.16480438	0.45877267	0.13421388	0.02367411
ENSG0000011751	1	945498	945498	MTM1	protein coding	-0.27237826	0.06685826	-0.19190355	0.68813947	-0.26929733	0.17420712	-0.16297816	0.36123468	-0.25858747	0.05959739	-0.16484832	0.45877267	0.33871881	0.01612241
ENSG0000024991	1	13037116	13037116	LOC100712	transcribed unprocessed	-0.19374551	0.06704749	-0.15227220	0.423305	-0.30485162	0.58124071	-0.16122360	0.82418974	-0.28431417	0.00073198	-0.16471151	0.42464901	0.37749881	0.00680821
ENSG0000018475	1	13495991	13495991	CTSB	protein coding	-0.21637315	0.04299198	-0.25771738	0.69693187	-0.09788122	0.61956293	-0.34291330	0.07988043	-0.22381121	0.04075853	-0.16494799	0.45157729	0.20074146	0.02174461
ENSG0000025262	22	2069782	2069833	BKRP1	transcribed unprocessed	-0.22061891	0.05384424	-0.03435059	0.81078404	-0.21999874	0.59015958	-0.16136318	0.28971774	-0.16362173	0.14545194	-0.16495062	0.45877267	0.31728897	0.02177153
ENSG0000025199	1	5923389	5923389	LOC100287322	transcribed unprocessed	-0.22061891	0.05384424	-0.03435059	0.81078404	-0.21999874	0.59015958	-0.16136318	0.28971774	-0.16362173	0.14545194	-0.16495062	0.45877267	0.31728897	0.02177153
ENSG0000027078	17	7658972	76591240	AC015892.1	lincRNA	-0.11488879	0.33413398	-0.11831079	0.24133899	-0.22488124	0.24382993	-0.04483866	0.80637270	-0.09128597	0.01511002	-0.16493070	0.45122740	0.14038849	0.33048709
ENSG0000013950	10	4862419	4862424	AC089898.1	lincRNA	-0.28871531	0.00789841	-0.02695320	0.14532072	-0.18007288	0.42127026	-0.02180268	0.27216958	-0.26301849	0.00422442	-0.16500858	0.45130888	-0.3489138	0.08144688
ENSG0000010795	19	4250094	4250124	AC081411	protein coding	-0.03324569	0.94949297	-0.25178977	0.12717181	-0.33389917	0.09181754	-0.18916897	0.14891916	-0.02933728	0.8193291	-0.16507171	0.45130888	-0.3489138	0.08144688
ENSG0000027983	10	2202572	22025459	AL158211.6	TEC	-0.28644624	0.02745889	-0.16798704	0.24358877	-0.10416831	0.60511609	-0.28006094	0.15272195	-0.34573387	0.00672136	-0.16507781	0.45116593	-0.29644498	0.04162607
ENSG0000026752	17	42509784	42511511	AC087852.3	lincRNA	-0.14213025	0.21755592	-0.28626259	0.07666863	-0.08484129	0.74784817	-0.39425750	0.08571866	-0.09440250	0.42428187	-0.16509329	0.45116593	-0.08799537	0.54339635
ENSG0000014654	1	12073643	12073911	AC010110	protein coding	-0.18480783	0.10261793	-0.15489117	0.28202023	-0.14353044	0.62942109	-0.11081175	0.8114404	-0.11834959	0.30695475	-0.16513974	0.45144424	0.22984302	0.10997170
ENSG0000027987	5	5389744	53899370	AC025175.2	lincRNA	-0.12036847	0.11153668	-0.15887581	0.02006684	-0.00326688	0.85839828	-0.15440292	0.44191176	-0.15421353	0.21319206	-0.16517098	0.45116593	-0.17358841	0.21248890
ENSG0000010472	4	16831194	16849847	CP2293.5	protein coding	-0.17922988	0.12037398	-0.10488117	0.48744742	-0.09763121	0.62863665	-0.02121810	0.9163347	-0.10639442	0.44395181	-0.16518634	0.45113404	-0.24318419	0.08845450
ENSG0000026420	8	7092102	7107314	LOC100287322	transcribed unprocessed	-0.27436355	0.06704749	-0.15227220	0.423305	-0.30485162	0.58124071	-0.16122360	0.82418974	-0.28431417	0.00073198	-0.16471151	0.42464901	0.37749881	0.00680821
ENSG0000028748	3	27389588	27389760	AC095835.2	lincRNA	-0.00278585	0.95858907	-0.05038268	0.05828981	-0.08785528	0.41598844	-0.14210676	0.30328473	-0.15224899	0.45113404	-0.16518634	0.45117081	-0.23648189	0.00000000
ENSG0000028729	2	21918964	21920034	AC083486.3	lincRNA	-0.18075325	0.11568384	-0.13799912	0.34028246	-0.04455978	0.82410888	-0.14888784	0.50233969	-0.17094843	0.21757889	-0.16526725	0.45101001	-0.22452219	0.22616724
ENSG0000027119	29	63038011	63038813	LINC01058	lincRNA	-0.22448569	0.06989181	-0.14991163	0.29617098	-0.09282869	0.53281072	-0.17019371	0.39620248	-0.22750132	0.08423249	-0.16528372	0.45088541	-0.21841014	0.17756024
ENSG0000026387	17	6228702	62287205	AC083486.3	transcribed unprocessed	-0.21938081	0.05828113	-0.07179385	0.60337752	-0.04925790	0.82110888	-0.14888784	0.50233969	-0.17094843	0.21757889	-0.16526725	0.45101001	-0.22452219	0.22616724
ENSG0000018505	5	5389394	54310582	AK19	protein coding	-0.18241458	0.11231879	-0.19585837	0.17313478	-0.04757821	0.81398831	-0.28237909	0.15354528	-0.22140506	0.10762308	-0.1653782	0.45078897	-0.11717784	0.14554588
ENSG0000024415	3	15716293	15718352	RPI1B93.4	transcribed unprocessed	-0.12424481	0.07871827	-0.12516330	0.38643877	-0.11638984	0.60292523	-0.10219265	0.6192961	-0.13711803	0.32714495	-0.16538302	0.45078897	-0.21261675	0.40119311
ENSG0000021414	2	21648330	21648138	AC089820.1	lincRNA	-0.20370145	0.07557482	-0.12103272	0.14126138	-0.10106148	0.60675338	-0.23897582	0.22985045	-0.1624824	0.4006841	-0.16538302	0.45078897	-0.18197831	0.16337814
ENSG0000027114	18	11898712	11899223	CPV01289.4	lincRNA	-0.19444023	0.16808484	-0.08730821	0.44851914	-0.15148411	0.44873378	-0.1202622	0.59881862	-0.22916571	0.05953862	-0.16540288	0.45078897	-0.14088103	0.30112928
ENSG0000025403	1	43018174	43018174	AC013363	transcribed unprocessed	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816
ENSG0000025493	1	40786473	40786973	CPV01291.4	lincRNA	-0.15288707	0.18810830	-0.09890106	0.44851914	-0.00034874	0.63487813	-0.00034874	0.59881862	-0.0517244	0.03638413	-0.16540309	0.45088011	-0.2458991	0.08911293
ENSG0000022993	1	21218207	21219209	AC064881.1	lincRNA	-0.20726699	0.07268541	-0.06755740	0.63926204	-0.17981163	0.38081106	-0.02733481	0.80248559	-0.21436462	0.15996214	-0.16545738	0.45095808	-0.24744668	0.03830674
ENSG0000011013	1	17412443	17412443	AC013363	transcribed unprocessed	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816
ENSG0000011840	6	79914414	79947553	ELCV4	protein coding	-0.07489126	0.51868011	-0.04861076	0.57014055	-0.23512601	0.43177207	-0.030571464	0.86889434	-0.03593699	0.17502468	-0.16468773	0.45053108	-0.24949848	0.65430611
ENSG0000018032	2	1733126	1733126	YRN1	protein coding	-0.20389373	0.07581048	-0.19697700	0.17236245	-0.04313917	0.79965326	-0.28999265	0.14230261	-0.20652772	0.13395364	-0.16474574	0.45055289	-0.18292893	0.27233657
ENSG0000027213	1	10923217	10923217	LOC100287322	transcribed unprocessed	-0.27436355	0.06704749	-0.15227220	0.423305	-0.30485162	0.58124071	-0.16122360	0.82418974	-0.28431417	0.00073198	-0.16471151	0.42464901	0.37749881	0.00680821
ENSG0000020039	7	8712811	8712812	Y RNA	misc RNA	-0.11295341	0.32801305	-0.07482001	0.61969324	-0.04017943	0.71281602	-0.12186021	0.36878189	-0.01298039	0.9257763	-0.16533029	0.45078897	-0.27512957	0.05563361
ENSG0000010784	4	12890730	12897234	JADE1	protein coding	-0.11343798	0.32984588	-0.09911266	0.50443020	-0.10193506	0.62191905	-0.07186139	0.72169483	-0.10338873	0.45940688	-0.16557739	0.45028368	-0.14607216	0.42890679
ENSG0000028876	1	464324	464324	AC013363	transcribed unprocessed	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816	-0.19292984	0.45451001	-0.15132619	0.03363816
ENSG0000025157	1	15571491	15581653	AC053324.2	protein coding	-0.10688589	0.09319547	-0.10110427	0.93943050	-0.08006001	0.89600774	-0.15113010	0.45176630	-0.11844685	0.36963006	-0.16528762	0.45083001	-0.28991497	0.03407361

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, Start, End, Start, End, Start, End. Contains genomic coordinates and gene annotations for various genes like TMEM30B, HNRP, HMG, etc.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. Contains a comprehensive list of gene features and their associated RefSeq identifiers.

ENSG0000028661	14	67272799	67369753	AL049779.4	lncRNA	-0.220449319	0.054033483	-0.25232324	0.077094208	0.014318246	0.043871158	-0.283726637	0.151517038	-0.162480017	0.240211179	-0.172382244	0.431586691	0.222384376	0.118856501
ENSG0000043364	11	15651731	156569653	AC012933.1	transcribed unit	0.02640884	0.82564027	-0.18939261	0.69317504	0.15217292	0.44878693	0.06521571	0.06207293	0.15927018	0.21967895	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000027837	11	18612944	18619174	AC112894.2	transcribed unit	0.02640884	0.82564027	-0.18939261	0.69317504	0.15217292	0.44878693	0.06521571	0.06207293	0.15927018	0.21967895	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000013232	20	4466541	44669086	AL139352.1	lncRNA	-0.18695162	0.14258251	-0.15222204	0.287144	-0.0726099	0.14707698	-0.14256361	0.302051208	-0.14367606	0.302051208	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000007493	11	15656971	15659269	AC012933.1	transcribed unit	0.02640884	0.82564027	-0.18939261	0.69317504	0.15217292	0.44878693	0.06521571	0.06207293	0.15927018	0.21967895	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000027730	11	15642000	15642000	AC012933.1	transcribed unit	0.02640884	0.82564027	-0.18939261	0.69317504	0.15217292	0.44878693	0.06521571	0.06207293	0.15927018	0.21967895	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000028571	4	6211908	6224879	AC023095.1	lncRNA	-0.28676018	0.01145252	-0.24518623	0.20516228	-0.24213277	0.22368802	-0.2383456	0.21318566	-0.31892535	0.10747347	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000023421	17	3057347	3057700	AC011840.1	transcribed unit	-0.0327944	0.0043338	-0.1382054	0.3765140	0.16225398	0.36215895	-0.2032367	0.31638285	-0.3452943	0.03666274	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000025498	11	2293370	2293370	AC023095.1	transcribed unit	0.02640884	0.82564027	-0.18939261	0.69317504	0.15217292	0.44878693	0.06521571	0.06207293	0.15927018	0.21967895	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000229107	22	2066784	2067094	AB017494.1	transcribed unit	-0.04811243	0.36414942	-0.12108835	0.40223822	-0.09563039	0.7698554	-0.06421356	0.40419563	-0.11116048	0.4257977	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000012857	6	846875	847469	TAB1	transcribed unit	-0.2311108	0.1043219	-0.2637198	0.0751283	0.01724035	0.1624035	-0.1033704	0.2266538	-0.1862389	0.1704254	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000014416	5	1393931	1393931	FBCP1	transcribed unit	-0.1744661	0.00082693	-0.2566238	0.07118673	0.18222181	0.2246176	-0.2626446	0.1584217	-0.3581446	0.08312638	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000014818	5	8029976	8032847	AC028410.1	transcribed unit	-0.12708382	0.27072373	-0.10269304	0.04871283	0.02114242	0.1676337	-0.0821352	0.6725881	-0.15592329	0.21021136	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000030947	17	728723	728438	YME2	transcribed unit	-0.26233136	0.07499542	-0.06491757	0.23785513	0.22212031	0.0648858	0.67413504	-0.2427227	0.12031338	-0.1724703	0.45143366	0.21426647	0.0673149	
ENSG0000027279	19	3091819	3091930	Melanin SRP	transcribed unit	-0.1928985	0.08272983	-0.04144483	0.1923334	0.13589863	0.49840381	-0.1918771	0.2719196	-0.18046469	0.17001223	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000134490	17	2319944	2347791	TMB2	transcribed unit	-0.43110916	0.984058	-0.32387613	0.02718892	-0.19252024	0.16988183	-0.48177372	0.01094192	-0.48612635	0.10015262	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000171956	15	6004234	6006170	FOXO	transcribed unit	-0.30342725	0.00738412	-0.2434174	0.10127325	-0.2474836	0.1497822	-0.24385331	0.2202293	-0.3684414	0.0495856	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000201396	16	9733957	9740106	AC027162.5	transcribed unit	-0.14466094	0.29393091	-0.15921307	0.37149454	-0.12171761	0.2909442	-0.00776811	0.31574725	-0.12898116	0.20719618	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000239084	1	2539871	2539871	AL013284.1	transcribed unit	-0.25381708	0.00057021	-0.33887154	0.10173125	-0.2745867	0.17373367	-0.4380616	0.02271974	-0.3898599	0.02097925	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000160970	7	9970538	9971858	CYP3A7	transcribed unit	-0.13244369	0.25061027	-0.1524425	0.28063448	0.10844553	0.58857414	-0.16267327	0.4173114	-0.10010541	0.42626326	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000235448	7	2349111	2349111	LOC204251	transcribed unit	-0.20591578	0.0081169	-0.24668196	0.04190124	-0.1242477	0.41581449	-0.29211465	0.13912598	-0.2651141	0.04992628	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000281157	15	2252814	2252805	AC011467.6	transcribed unit	-0.29557947	0.00057021	-0.33887154	0.10173125	-0.2745867	0.17373367	-0.4380616	0.02271974	-0.3898599	0.02097925	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000022554	10	12445243	12445203	NCX1-2	transcribed unit	-0.28937838	0.01170484	-0.233552	0.1024547	-0.1742497	0.4329228	-0.26029129	0.18864238	-0.2659533	0.05136934	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000197919	15	5189132	5209232	ZNF15	transcribed unit	-0.07427274	0.81262544	-0.17138207	0.24611291	0.38976253	0.0581922	-0.19781191	0.34608838	-0.08902356	0.48391193	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000028157	15	6631414	6631703	AC058855.1	transcribed unit	-0.08723944	0.4475381	-0.213554	0.1073408	-0.1541947	0.36307453	-0.162480017	0.151517038	-0.162480017	0.240211179	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000022538	10	3853598	3863806	PMPK1P2	transcribed unit	-0.20428764	0.07420568	-0.1983514	0.17041222	0.2184834	0.2771395	-0.2558858	0.28207228	-0.29277885	0.04613129	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000296115	5	5209198	5244198	LINC02453	transcribed unit	-0.29592168	0.0084238	-0.10794411	0.05702251	-0.1725989	0.36904248	-0.04749265	0.18358883	-0.20243403	0.00709318	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000281432	6	11932033	11937632	LINC01163	transcribed unit	-0.13823238	0.23043228	-0.0816276	0.5729824	0.13044414	0.48871238	-0.0340867	0.1983311	-0.07528173	0.5857941	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000204301	6	3219443	3224087	NOTCH4	transcribed unit	-0.3532438	0.00161847	-0.11911443	0.43907262	0.46303718	0.01968728	-0.11731251	0.39532033	-0.36953033	0.02958688	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000115604	14	1845442	1845442	LOC100421	transcribed unit	-0.2846718	0.0344216	-0.2251151	0.1511514	0.1511514	0.1511514	-0.1511514	0.1511514	-0.1511514	0.1511514	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000026472	10	12502783	12503218	NOTCH2	transcribed unit	-0.16037113	0.1635218	-0.0953418	0.5019388	-0.15937113	0.44333089	-0.0504548	0.91622506	-0.11132515	0.46868273	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000038317	19	5757196	5757911	ZNF148	transcribed unit	-0.07110045	0.53427651	-0.0693891	0.50324294	0.04477581	0.24427258	-0.033224	0.86816349	-0.0276232	0.414921	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000279413	21	17835533	17835533	LOC100421	transcribed unit	-0.2846718	0.0344216	-0.2251151	0.1511514	0.1511514	0.1511514	-0.1511514	0.1511514	-0.1511514	0.1511514	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000144231	21	12783553	12788155	LOC100421	transcribed unit	-0.2846718	0.0344216	-0.2251151	0.1511514	0.1511514	0.1511514	-0.1511514	0.1511514	-0.1511514	0.1511514	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000204272	6	8744413	8745542	LOC100421	transcribed unit	-0.11178913	0.33274758	-0.1296789	0.3894296	-0.16767131	0.40117654	-0.1484856	0.4977796	-0.14843561	0.2679974	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000011448	19	1365283	1365283	LOC100421	transcribed unit	-0.2846718	0.0344216	-0.2251151	0.1511514	0.1511514	0.1511514	-0.1511514	0.1511514	-0.1511514	0.1511514	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000196335	7	23710203	23710203	CTCF1	transcribed unit	-0.30744182	0.00057021	-0.33887154	0.10173125	-0.2745867	0.17373367	-0.4380616	0.02271974	-0.3898599	0.02097925	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG00000137373	8	6946624	6969015	SLF1	transcribed unit	-0.37895272	0.00072394	-0.29117442	0.04021182	-0.26445147	0.18239972	-0.39390776	0.06574708	-0.3757273	0.00010907	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000029956	1	16020164	16023821	Y RNA	transcribed unit	-0.01106473	0.92391162	-0.0312854	0.07848197	-0.0480074	0.80896381	-0.18977808	0.38270741	-0.00170566	0.96011206	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000043771	1	2245888	2247394	CHN4	transcribed unit	-0.02972237	0.74794818	-0.22467195	0.1167313	0.3486305	0.04702165	-0.19149737	0.22970728	0.1053224	0.444248	-0.1724703	0.45143366	0.21426647	0.0673149
ENSG0000011549	9	2796467	2796467	ZNF445	transcribed unit	-0.1938544	0.86207173	-0.04633907	0.3368271	0.17531021	0.3817138	-0.09354876	0.64268625	-0.7099411	0.1732003	-0.1724703			

Table with columns for gene ID, chromosome, coordinates, gene name, transcript type, and multiple numerical values. The table lists various genes such as AL509231, AL509232, AL509233, etc., and their associated data points.

Table with 4 columns: Gene ID, Chromosome, Position, and Gene Name. The table lists numerous genes such as ENGCG00028172, ENGCG00028173, ENGCG00028174, etc., along with their genomic coordinates and associated gene names.

Table with columns for gene ID, chromosome, coordinates, gene name, transcript, protein name, and various numerical values. The table lists numerous genes such as TFF3, ANK1, GYL2, and many others, each with associated genomic data and protein information.

ENSG0000028571	11	39024831	39161638	AC021723.2	lncRNA	-0.16575032	0.15062093	-0.18113448	0.20080887	0.13420784	0.50420033	-0.14857809	0.45882848	-0.07519603	0.58879697	-0.13256833	0.40260391	0.16997001	0.23756628	
ENSG0000029475	11	53944475	53761314	AC021723.2	lncRNA	-0.17488456	0.25727127	-0.14041031	0.08486769	0.14088769	0.74503547	-0.25677991	0.09611755	0.03344296	-0.13292694	0.40260391	0.16997001	0.23756628	0.09117173	0.09117173
ENSG0000014704	16	12953111	12953111	AC021801.1	lncRNA	-0.33324401	0.12079429	-0.12079429	0.12079429	0.12079429	0.12079429	-0.30718834	0.30718834	-0.30718834	0.30718834	0.30718834	0.30718834	0.30718834	0.30718834	0.30718834
ENSG0000028716	15	53944475	53944475	AL133879.2	lncRNA	-0.21083308	0.06588911	-0.14977209	0.29921455	-0.06068273	0.32017173	-0.06737815	0.73871357	-0.17794568	0.19333777	-0.17329841	0.40260391	0.16997001	0.23756628	0.02615059
ENSG0000017934	17	10954487	10954487	AL133879.2	lncRNA	-0.12735204	0.26007727	-0.15478610	0.18713458	0.18713458	0.18713458	-0.04841898	0.43780132	-0.08728906	0.65877027	-0.07292674	0.40260391	0.16997001	0.23756628	0.18842992
ENSG0000024659	9	65971489	65971489	AL133879.2	lncRNA	-0.10242132	0.26007727	-0.15478610	0.18713458	0.18713458	0.18713458	-0.04841898	0.43780132	-0.08728906	0.65877027	-0.07292674	0.40260391	0.16997001	0.23756628	0.18842992
ENSG0000016710	17	5042185	5042185	ACSF2	protein coding	-0.14479820	0.20888771	-0.11472809	0.18288584	-0.13885187	0.45995446	-0.15854785	0.35403922	-0.12149737	0.38147223	-0.13388921	0.40260391	0.16997001	0.23756628	0.33287802
ENSG0000015816	17	13647849	13647849	ACSF2	protein coding	-0.04042132	0.91045272	-0.00708959	0.96107760	-0.14325744	0.47875859	-0.16656397	0.31628789	-0.04411257	0.45158146	-0.13388921	0.40260391	0.16997001	0.23756628	0.33287802
ENSG0000013702	11	10174154	10174154	TPPC5	protein coding	-0.18248510	0.11224338	-0.10487413	0.46941187	-0.12432953	0.45252504	-0.01386919	0.94526700	-0.11579261	0.40445978	-0.13388921	0.40260391	0.16997001	0.23756628	0.04304591
ENSG0000027856	12	2885819	2885819	AC059111.1	lncRNA	-0.19082663	0.09631024	-0.25367042	0.07547393	-0.22489591	0.09244257	-0.26202692	0.12489583	-0.18956921	0.12775457	-0.1848891	0.40260391	0.16997001	0.23756628	0.24762228
ENSG0000027544	4	17684883	17720123	AC097516.2	lncRNA	-0.33881633	0.18876773	-0.18876773	0.18876773	0.18876773	0.18876773	-0.18876773	0.18876773	-0.18876773	0.18876773	-0.18876773	0.18876773	0.18876773	0.18876773	0.18876773
ENSG00000174485	12	65586346	65729293	DDNAD4	protein coding	-0.10581887	0.35899567	-0.05915863	0.72547958	-0.09716029	0.64542543	-0.08464242	0.14738184	-0.08464242	0.14738184	-0.08464242	0.14738184	0.16997001	0.23756628	0.01182828
ENSG00000141255	17	3440019	3513852	SPAT3AC2	protein coding	-0.33097981	0.10366491	-0.28034353	0.08994049	-0.33488629	0.08974042	-0.30839891	0.11766138	-0.30757881	0.08316278	-0.18374738	-0.0173397	0.33344421	0.01774628	0.01774628
ENSG0000010009	12	2644342	26463874	HPC4	protein coding	-0.20081198	0.04350222	-0.04350222	0.04350222	-0.27884838	0.15905447	-0.14481109	0.58919415	-0.16186342	0.24224788	-0.18383869	0.41740075	0.38989919	0.00119131	0.00119131
ENSG00000226823	9	33502585	33507111	SUPT1P1	unprocessed pseudogene	-0.15227734	0.18613588	-0.01419274	0.71721031	-0.23202881	0.13788615	-0.17889550	0.37195669	-0.13608517	0.32329246	-0.18381761	0.40260391	0.16997001	0.23756628	0.04424251
ENSG00000101150	20	63866228	63891145	TP53L2	protein coding	-0.16441848	0.31213881	-0.21274343	0.17335833	-0.23159638	0.24517439	-0.22115251	0.26400022	-0.09413654	0.48908404	-0.18317304	0.401166282	-0.10315701	0.479116240	0.01774628
ENSG00000246692	9	10954487	10954487	LINC00338	lncRNA	-0.30311567	0.00271899	-0.21744865	0.12946790	-0.04411596	0.44333501	-0.04337166	0.21187302	-0.30092051	0.00703778	-0.18349003	0.41161361	0.31713553	0.00271899	0.00271899
ENSG00000224039	21	13031360	13030703	AC098039P2	transcribed unprocessed pseudogene	-0.25475682	0.02355213	-0.24065065	0.00313852	-0.04807433	0.68714338	-0.36728353	0.06732874	-0.28113011	0.03466771	-0.18369606	0.41646525	-0.209414378	0.444485038	0.00271899
ENSG00000171560	4	145831728	145490743	FGA	protein coding	-0.35453894	0.00158817	-0.20252661	0.15888484	-0.30255884	0.12542248	-0.23751234	0.24488807	-0.38989406	0.03433636	-0.18371331	0.40133966	-0.07110887	0.00703778	0.00703778
ENSG00000286015	11	45778987	46021924	MAR2	protein coding	-0.10242132	0.91045272	-0.15357017	0.36621245	-0.01620011	0.93841894	-0.45941898	0.03191872	-0.02718339	0.61110267	-0.18374738	0.40116628	0.41161361	0.145532018	0.13527707
ENSG00000288184	19	21788772	21733860	AC029364.1	lncRNA	-0.25073975	0.02477693	-0.09416041	0.67415041	-0.12807458	0.23458485	-0.02483412	0.80214242	-0.24844846	0.06983356	-0.18374738	0.40116628	0.41161361	0.13527707	0.06746330
ENSG00000276818	11	5178191	5187893	AC029364.1	lncRNA	-0.00240578	0.88343168	-0.15502237	0.28230440	-0.09238308	0.64815207	-0.14418408	0.48170788	-0.04887854	0.87593861	-0.18374738	0.40116628	0.41161361	0.23084448	0.00271899
ENSG00000226989	19	2404003	2405070	AL131845.1	lncRNA	-0.01243355	0.35259174	-0.02711113	0.85412545	-0.35502496	0.09871156	-0.19291738	0.33654347	-0.01207254	0.30359578	-0.18380213	0.41161361	0.0180886	0.244333748	0.00782119
ENSG00000248580	4	5693004	5693004	GLDC1P1	transcribed process	-0.26755555	0.08869877	-0.09386077	0.50331423	-0.19544478	0.44262462	-0.03519768	0.86134876	-0.0385127	0.13259215	-0.18380213	0.41161361	0.0180886	0.23778192	0.04681732
ENSG00000180764	10	9358919	93961540	PBR1	transcribed process	-0.19955809	0.08187508	-0.20948482	0.14933864	-0.17381387	0.38592869	-0.22518348	0.23785173	-0.15044481	0.24871334	-0.18384123	0.40116628	0.41161361	0.17893707	0.22246683
ENSG00000184424	5	12751740	12759584	PRRC1	protein coding	-0.02981052	0.82324002	-0.01918241	0.68491961	-0.02738476	0.11970928	-0.11832144	0.62649833	-0.00219873	0.05928328	-0.18384667	0.41018337	0.02107434	0.84491819	0.04491819
ENSG00000289522	1	9850277	9850277	AC104531.1	lncRNA	-0.25292651	0.02441389	-0.13711814	0.24241416	-0.29259951	0.13703674	-0.12717004	0.52720358	-0.30246411	0.02618046	-0.18381802	0.40097532	0.26899273	0.01892444	0.01892444
ENSG00000252041	1	9850277	9850277	AC104531.1	lncRNA	-0.25292651	0.02441389	-0.13711814	0.24241416	-0.29259951	0.13703674	-0.12717004	0.52720358	-0.30246411	0.02618046	-0.18381802	0.40097532	0.26899273	0.01892444	0.01892444
ENSG00000147448	8	38269704	38322122	NSD3	unprocessed pseudogene	0.06315107	0.05589187	-0.07203404	0.61787807	-0.07112484	0.11713348	-0.01219889	0.81871205	-0.06300791	0.30059708	-0.18380213	0.40097532	0.01723268	0.63240042	0.01723268
ENSG00000124587	8	4296386	42979181	PEX6	protein coding	-0.29945227	0.06042051	-0.26141308	0.08484767	-0.35848448	0.06881538	-0.26097122	0.09882438	-0.36868738	0.03488452	-0.18380213	0.40097532	0.30003336	0.03127929	0.03127929
ENSG00000279018	9	10954487	10954487	TEC	protein coding	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	0.12945447	0.12945447	0.12945447
ENSG00000292815	11	17672483	17673402	AC029364.1	lncRNA	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	0.12945447	0.12945447	0.12945447
ENSG00000271016	21	1039764	10397774	AF25483.2	lncRNA	-0.0749988	0.50436414	-0.08513026	0.58575936	-0.11304714	0.57451199	-0.01248971	0.85199587	-0.04911612	0.74257743	-0.18384704	0.40097532	0.010212749	0.46749930	0.010212749
ENSG00000241116	19	10954487	10954487	AC029364.1	lncRNA	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	-0.12945447	0.12945447	0.12945447	0.12945447	0.12945447
ENSG00000228888	13	43550323	43531300	AL133863.1	lncRNA	-0.16822269	0.11622699	-0.14558678	0.31454883	-0.04476593	0.81601817	-0.20324114	0.3044446	-0.23730602	0.74257743	-0.18384704	0.40097532	0.010212749	0.10668969	0.45248251
ENSG00000287793	17	8425011	8425213	AC102338.6	lncRNA	-0.11951804	0.30054057	-0.12192594	0.38989207	-0.10486224	0.60465713	-0.04689311	0.86393829	-0.05812698	0.67932084	-0.18400711	0.40097532	0.010212749	0.04022548	0.010212749
ENSG00000167993	11	11386831	11378498	PHF1	protein coding	-0.04521352	0.69618195	-0.18121204	0.28011684	-0.06838254	0.34671416	-0.21257004	0.28808692	-0.03472638	0.80364949	-0.18400711	0.40097532	0.010212749	0.05367619	0.05367619
ENSG00000287891	6	38641430	38644402	ZBRD3	protein coding	-0.18787519	0.10683862	-0.11770432	0.41599800	-0.13424015	0.91457872	-0.01747692	0.81108323	-0.13232843	0.12847974	-0.18400711	0.40097532	0.010212749	0.26848585	0.010212749</

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Type. Contains genomic coordinates and gene annotations for various genes including AC117452, AC117453, AC117454, etc.

ENSG0000022345	7	14396939	14396439	TCAP1P1	unprocessed_pseud	-0.02696693	0.42132681	-0.22514634	0.10917424	0.07809971	0.69662023	-0.26242538	0.18603363	-0.09970463	0.66801493	-0.18447462	0.37389177	0.00487257	0.95335270	
ENSG0000022353	7	13692013	13641778	AC02485.1	lncRNA	-0.07225554	0.53261201	-0.06425553	0.65593811	-0.26524311	0.15662898	-0.33814441	0.06483818	-0.07352602	0.09255346	-0.14504141	0.37320226	0.00245193	0.94702526	
ENSG0000011991	13	10000000	9999999	PAN3	protein_coding	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000	
ENSG000002081789	16	4560001	4564662	LOC22832.2	lncRNA	-0.19278389	0.02962923	-0.11266044	0.41717250	-0.22223208	0.26553141	-0.02381270	0.00588104	-0.19326230	0.10134468	-0.07377822	0.33739822	0.00237400	0.09932789	
ENSG0000013176	14	10434449	10342029	RP1_139	protein_coding	-0.53188491	0.00316190	-0.25023071	0.07402760	-0.38114144	0.06453111	-0.22247732	0.00881779	-0.37825223	0.00202694	-0.16456681	0.37371122	0.34037121	0.01286251	0.94178623
ENSG00000185345	15	16157417	16157417	LOC101928.1	protein_coding	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	-0.00000000	0.00000000	0.00000000	0.00000000	
ENSG00000279147	17	14193707	14193707	AC112504.1	TEC	-0.33685873	0.00310653	-0.24007258	0.14626362	-0.30123578	0.12783705	-0.24026511	0.12737084	-0.38881467	0.00000000	-0.13652747	0.37367062	0.04322294	0.10489253	
ENSG0000025046	8	8379636	8429891	AC027160.1	lncRNA	-0.18603489	0.04111307	-0.14547415	0.34434527	-0.04786705	0.21274297	-0.14243343	0.57033060	-0.19097644	0.16704352	-0.18463174	0.37352068	0.18676441	0.19117225	
ENSG00000233348	20	12965032	12965032	LINC01184	lncRNA	-0.07818481	0.07818481	-0.07818481	0.07818481	-0.07818481	0.07818481	-0.07818481	0.07818481	-0.07818481	0.07818481	-0.07818481	0.07818481	0.07818481	0.07818481	0.07818481
ENSG00000122985	12	11356178	11366823	RBM19	protein_coding	-0.21948713	0.05512033	-0.09527303	0.25346127	-0.33485873	0.10323577	-0.33485873	0.10323577	-0.33485873	0.10323577	-0.33485873	0.10323577	0.02555048	0.19137285	
ENSG00000207444	14	7198357	71984001	SMOHD25B	lncRNA	0.00543302	0.06250219	-0.04633291	0.79347260	-0.00407124	0.28880487	-0.10371380	0.45193738	-0.19171045	0.23250279	-0.19484120	0.37348500	0.00176258	0.88917528	
ENSG00000121417	17	8703396	87044411	ZNF11	protein_coding	-0.20591478	0.02698286	-0.10562818	0.65931511	-0.17274761	0.48078299	-0.17274761	0.48078299	-0.17274761	0.48078299	-0.17274761	0.48078299	0.00000000	0.18371791	
ENSG00000120695	12	11356178	11366823	RBM19	protein_coding	-0.18153038	0.114101078	-0.27295905	0.05540368	-0.17258867	0.30225203	-0.37821731	0.05714806	-0.06080594	0.07699145	-0.19484120	0.37348500	0.00176258	0.88917528	
ENSG00000207444	14	7198357	71984001	SMOHD25B	lncRNA	0.00543302	0.06250219	-0.04633291	0.79347260	-0.00407124	0.28880487	-0.10371380	0.45193738	-0.19171045	0.23250279	-0.19484120	0.37348500	0.00176258	0.88917528	
ENSG00000121417	17	8703396	87044411	ZNF11	protein_coding	-0.20591478	0.02698286	-0.10562818	0.65931511	-0.17274761	0.48078299	-0.17274761	0.48078299	-0.17274761	0.48078299	-0.17274761	0.48078299	0.00000000	0.18371791	
ENSG00000232412	X	123959223	123961341	XLOC158.1	lncRNA	-0.13788908	0.23142075	-0.14544809	0.31377842	-0.07628243	0.27628840	-0.08637586	0.63249958	-0.07894192	0.05742034	-0.16492652	0.33700000	0.00466313	0.33171993	
ENSG00000169897	12	5720710	5730140	MBD8	protein_coding	-0.18138832	0.10084062	-0.20627118	0.13038336	-0.10196573	0.12747774	-0.24184399	0.22423616	-0.16798897	0.22411687	-0.18472605	0.37326857	0.12609163	0.38280402	
ENSG00000250901	20	1691000	16961160	LINC01940.1	lncRNA	-0.25677025	0.000119007	-0.35927173	0.13869097	-0.34236642	0.46139269	-0.46392759	0.01917605	-0.20776311	0.41339702	-0.14744604	0.37320226	0.18491177	0.19681949	
ENSG00000136111	13	7328303	7345169	TEC104	protein_coding	-0.24427387	0.03302304	-0.04559429	0.73308287	-0.21128333	0.20090974	-0.04444045	0.85279238	-0.23263231	0.08777881	-0.14769775	0.37339440	0.33399444	0.01731498	
ENSG00000236021	11	17620784	17644719	LOC15943.2	lncRNA	-0.54845004	0.00185324	-0.33489149	0.38778100	-0.15305321	0.44892639	-0.42037360	0.02687668	-0.32369272	0.00683892	-0.14771138	0.37319399	0.00237720	0.78093349	
ENSG00000180353	3	12151399	12160927	HCE1	protein_coding	-0.03734174	0.47430915	-0.21078045	0.10277652	-0.15437299	0.24891179	-0.24891179	0.21132768	-0.03067713	0.65269918	-0.18477403	0.37319462	0.025046	0.71653013	
ENSG00000253012	21	39525283	39528853	JCADP1	protein_coding	-0.28304708	0.01201894	-0.12681194	0.30856620	-0.18510531	0.45316562	-0.07704818	0.81321048	-0.20993721	0.17759487	-0.14792703	0.37330453	0.35830927	0.0104194	
ENSG00000204181	8	3096978	3098141	AC13875.2	lncRNA	-0.15754945	0.71171387	-0.07481819	0.60950120	-0.28617688	0.15620270	-0.07293300	0.62626474	-0.13484328	0.33033368	-0.18480131	0.37306338	0.00000000	0.16950133	
ENSG00000142858	15	8374938	83749898	AC02089.1	processed_pseud	-0.15283689	0.18508101	-0.16655213	0.31044947	-0.05292933	0.19478985	-0.11869484	0.55509181	-0.12271732	0.37864018	-0.18412102	0.37329515	0.14233004	0.32449949	
ENSG00000200109	21	41175231	41187788	FLAC4	lncRNA	-0.37742581	0.00700749	-0.24371614	0.80088281	-0.25203261	0.31843638	-0.25203261	0.31843638	-0.25203261	0.31843638	-0.25203261	0.31843638	0.00000000	0.0601698	
ENSG00000145700	4	7608275	7629911	MRND31	protein_coding	-0.33070779	0.02078721	-0.21144878	0.14043260	-0.10297278	0.20397278	-0.11294445	-0.30270900	0.12473958	-0.30330884	0.00000000	-0.19434809	0.37319951	0.32274529	0.02228683
ENSG00000189897	X	15401213	154137103	NEP2	protein_coding	-0.03700214	0.14246923	-0.07034894	0.67234921	-0.08729169	0.69309891	-0.07195447	0.19326487	-0.02027818	0.65492183	-0.19489897	0.37296227	0.02780714	0.04786259	
ENSG00000212385	4	10133302	10133414	ANKRD15A	lncRNA	-0.15010258	0.19257793	-0.16678763	0.47026989	-0.08447887	0.38148366	-0.08447887	0.38148366	-0.08447887	0.38148366	-0.08447887	0.38148366	0.00000000	0.00000000	
ENSG00000199953	22	2378226	23784151	MPMP1	protein_coding	-0.22621024	0.04791242	-0.08544189	0.58299486	-0.20344327	0.36958964	-0.08921289	0.62416548	-0.22007135	0.10984162	-0.14931998	0.37277014	0.28396210	0.04570939	
ENSG00000229307	18	9270398	92703411	AC02485.1	lncRNA	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	0.00000000	0.00000000	
ENSG00000263551	18	876589	131018	OR00826.1	protein_coding	-0.08765216	0.04883424	-0.09188349	0.80989564	-0.00462267	0.91952243	-0.28506811	0.14870785	-0.04146231	0.16984466	-0.19009179	0.37300000	0.16534448	0.1306471	
ENSG00000279813	9	13624978	13625120	CR32000.1	TEC	-0.29237869	0.04963201	-0.11092548	0.4343240	-0.19832579	0.31254889	-0.07073340	0.97088750	-0.21079513	0.12681004	-0.19039587	0.37248002	0.27889939	0.04891407	
ENSG00000202355	10	262424	2629411	LOC101928.1	lncRNA	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	-0.24523258	0.00000000	0.00000000	0.00000000	
ENSG00000273851	10	12186574	12196770	LOC11566.1	lncRNA	-0.19320369	0.16350511	-0.01645009	0.9006740	-0.11629063	0.27653632	-0.25330199	0.20220769	-0.1013014	0.26683018	-0.19244025	0.37264000	0.26536666	0.0626120	
ENSG00000258337	12	11817452	11818129	AC13095.1	lncRNA	-0.12642298	0.02921231	-0.08959273	0.64811820	-0.16943434	0.36444206	-0.0287241	0.88905151	-0.09224270	0.50712268	-0.19071738	0.37242802	0.17397764	0.22706276	
ENSG00000120251	13	10345399	10346927	LOC101928.1	lncRNA	-0.06800406	0.45287454	-0.06189667	0.69911820	-0.16943434	0.36444206	-0.0287241	0.88905151	-0.09224270	0.50712268	-0.19071738	0.37242802	0.17397764	0.22706276	
ENSG00000271639	2	23345440	23347033	PPPIA1P1	processed_pseud	-0.06800406	0.45287454	-0.06189667	0.69911820	-0.16943434	0.36444206	-0.0287241	0.88905151	-0.09224270	0.50712268	-0.19071738	0.37242802	0.17397764	0.22706276	
ENSG00000127819	12	5321097	5323029	RARG	protein_coding	-0.10925373	0.34222733	-0.08291732	0.50245100	-0.20191151	0.13394722	-0.00000000	0.90734568	-0.04770795	0.73355453	-0.19512504	0.37274455	0.12566221	0.04618489	
ENSG00000145441	16	14301389	14301389	LOC101928.1	lncRNA	-0.06800406	0.45287454	-0.06189667	0.69911820	-0.16943434	0.36444206	-0.0287241	0.88905151	-0.09224270	0.50712268	-0.19071738	0.37242802	0.17397764	0.22706276	
ENSG0000026454	16	14301389	14311087	MIR1989HG	lncRNA	-0.35228530	0.00173401	-0.30181705	0.03315838	-0.06568167	0.74518100	-0.38199781	0.04314889	-0.33951789	0.10190818					

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description. Contains a comprehensive list of genomic features and their associated RefSeq identifiers.

ENSG0000028636	14	105095405	105096453	AL512356.4	lncRNA	-0.15602214	0.17540468	-0.1388715	0.33262472	-0.19078882	0.34481172	-0.07348655	0.22733923	-0.07895688	0.61453407	-0.02039879	0.3592379	0.28174792	0.04745618	
ENSG0000018873	19	45198137	45198137	ENSG0000018873	protein coding	-0.25593934	0.04207073	-0.1633473	0.24620909	-0.26246181	0.17987889	-0.06545171	0.79887889	-0.0450313	0.90752679	-0.2004305	0.36922925	0.30472193	0.07470203	0.07470203
ENSG0000018714	21	45022479	23173351	PTMA	protein coding	-0.2463107	0.04207073	-0.1633473	0.24620909	-0.26246181	0.17987889	-0.06545171	0.79887889	-0.0450313	0.90752679	-0.2004305	0.36922925	0.30472193	0.07470203	0.07470203
ENSG0000027667	17	45022479	44252320	CNVN1	protein coding	-0.15583427	0.17541123	-0.10312905	0.28464272	-0.18044707	0.34481172	-0.07348655	0.22733923	-0.07895688	0.61453407	-0.02039879	0.3592379	0.28174792	0.04745618	0.04745618
ENSG0000026627	6	16574189	16573758	ENSG0000026627	protein coding	-0.2484177	0.02873913	-0.1220973	0.36262057	-0.17427178	0.41773866	-0.08248081	0.6828026	-0.2622029	0.64508294	-0.2404817	0.3591796	0.28174792	0.04745618	0.04745618
ENSG0000024955	19	45198137	45198137	PRAM1	protein coding	-0.2484177	0.02873913	-0.1220973	0.36262057	-0.17427178	0.41773866	-0.08248081	0.6828026	-0.2622029	0.64508294	-0.2404817	0.3591796	0.28174792	0.04745618	0.04745618
ENSG0000023816	16	42630337	42630337	ANKRD20A7	transcripted unprocessed intron	-0.04851231	0.10124844	-0.04851231	0.23790988	-0.24243536	0.23841777	-0.04851231	0.23790988	-0.04851231	0.23790988	-0.04851231	0.23790988	0.23790988	0.23790988	0.23790988
ENSG0000025009	19	47660113	47661252	TPRXD	unprocessed intron	-0.15428811	0.18037379	-0.16969644	0.25197418	-0.08629258	0.68823952	-0.15067706	0.51605918	-0.11849185	0.38548489	-0.25044789	0.35883847	0.28174792	0.04745618	0.04745618
ENSG0000014647	9	78534149	78534149	ENSG0000014647	protein coding	-0.17427178	0.04207073	-0.1633473	0.24620909	-0.26246181	0.17987889	-0.06545171	0.79887889	-0.0450313	0.90752679	-0.2004305	0.36922925	0.30472193	0.07470203	0.07470203
ENSG0000018926	10	27775186	27797979	APMCA4	protein coding	-0.29329506	0.09054491	-0.29666653	0.09044349	-0.08989949	0.62432807	-0.33882952	0.02896668	-0.26341976	0.05428129	-0.00767677	0.20066022	0.28066022	0.04850120	0.04850120
ENSG0000022984	2	19192739	19192629	ENSG0000022984	protein coding	-0.10814558	0.34916079	-0.07938274	0.88088165	-0.27597242	0.16717178	-0.15062266	0.45337348	0.02719457	0.98486506	-0.20066022	0.36872577	0.31839884	0.04745618	0.04745618
ENSG0000023419	9	78534149	78534149	ENSG0000023419	protein coding	-0.11582497	0.13026386	-0.10581489	0.24549797	-0.07176849	0.72254649	-0.10388383	0.65674989	-0.20262188	0.38868768	-0.26369763	0.36868768	0.28174792	0.04745618	0.04745618
ENSG0000010857	17	1768184	17114533	RAI1	protein coding	-0.07586212	0.54201933	-0.03946873	0.78517935	-0.05629739	0.75622867	-0.06434777	0.74882473	-0.02469610	0.67876659	-0.20066022	0.36872577	0.31839884	0.04745618	0.04745618
ENSG0000018049	19	15808349	15808349	CRKOA1P	unprocessed intron	-0.22621759	0.04994811	-0.25714948	0.07056134	-0.18260187	0.33843734	-0.28644068	0.13292013	-0.21811212	0.10396148	-0.20464327	0.36862865	0.28174792	0.04745618	0.04745618
ENSG0000025932	15	45198137	45198137	ENSG0000025932	protein coding	-0.09478197	0.46589922	-0.21198821	0.13868247	-0.13121228	0.51410221	-0.11988851	0.27884453	-0.02378911	0.88483378	-0.20066022	0.36862865	0.28174792	0.04745618	0.04745618
ENSG0000025688	11	18507608	18507608	ENSG0000025688	protein coding	-0.28048749	0.02324442	-0.17066403	0.23033299	-0.24465303	0.21149319	-0.17341006	0.38703444	-0.26236318	0.10396148	-0.20464327	0.36862865	0.28174792	0.04745618	0.04745618
ENSG0000010029	22	34500134	34524311	KRMA	protein coding	-0.10712678	0.31205448	-0.00159936	0.90120180	-0.13109691	0.09106065	-0.23207700	0.24341458	-0.16810988	0.22432076	-0.06886736	0.36857151	0.18876184	0.18848420	0.18848420
ENSG0000025008	19	10170292	10200942	AL345824.1	lncRNA	-0.26325248	0.02608191	-0.20209048	0.15768141	-0.17477815	0.66977658	-0.21491957	0.29189808	-0.26557717	0.00419484	-0.20271139	0.15846013	0.25818253	0.17075471	0.17075471
ENSG00000133819	7	14971471	14974573	KCMB	protein coding	-0.13095103	0.22763782	-0.10015949	0.6347381	-0.14327592	0.47879648	-0.11003805	0.46833165	-0.24177149	0.09218238	-0.20773149	0.36857151	0.24153394	0.09196248	0.09196248
ENSG0000024211	11	10470228	10428693	TPROXSP	transcripted unitary	-0.12502408	0.27894703	-0.12378911	0.31172803	-0.12459911	0.48748114	-0.04048488	0.8012352	-0.01847493	0.88617249	-0.20272923	0.38424226	0.28174792	0.04745618	0.04745618
ENSG0000010026	19	3818188	38170294	DNCT1	protein coding	-0.25983053	0.02453267	-0.15941420	0.28931971	-0.12943352	0.51981767	-0.07603242	0.74239848	-0.15123297	0.21159027	-0.20747411	0.38317798	0.29744266	0.03024789	0.03024789
ENSG00000150676	11	85855101	85820011	CDCR3B	protein coding	-0.18900196	0.35115202	-0.18500196	0.34573387	-0.15780383	0.93766116	-0.23417119	0.09218238	-0.20773149	0.36857151	0.18876184	0.18848420	0.18848420	0.18848420	0.18848420
ENSG0000017958	18	27528279	28177489	CD4D	protein coding	-0.29581452	0.00030038	-0.15127921	0.28431457	-0.22784071	0.29383363	-0.02633732	0.88629247	-0.22683824	0.09047249	-0.20784151	0.36828627	0.27470583	0.04745618	0.04745618
ENSG00000171903	19	15012187	15024987	CYRIF11	protein coding	-0.35078998	0.00178169	-0.25169572	0.1330663	-0.21001054	0.23077444	-0.11940781	0.27156918	-0.34915472	0.21159027	-0.20747411	0.38317798	0.29744266	0.03024789	0.03024789
ENSG0000028571	10	14372001	14375788	AL139405.1	lncRNA	-0.28445328	0.01267139	-0.13046123	0.30658787	-0.20435488	0.30468718	-0.03342184	0.68855636	-0.21813115	0.09158034	-0.20082346	0.38819150	0.38725344	0.04745618	0.04745618
ENSG0000028757	18	5601383	5618258	ENSG0000028757	protein coding	-0.42170571	0.00113864	-0.38794658	0.00897300	-0.34035546	0.08292699	-0.27892927	0.01134422	-0.43791581	0.00297728	-0.20083936	0.38819150	0.41882554	0.04745618	0.04745618
ENSG00000276431	12	31018981	31017091	ENSG00000276431	protein coding	-0.10271673	0.37898192	-0.07723742	0.72648628	-0.12369628	0.29869525	-0.07092152	0.27514715	-0.01788029	0.95717758	-0.20083936	0.38819150	0.41882554	0.04745618	0.04745618
ENSG0000019784	6	13180816	13188153	ENSG0000019784	protein coding	-0.2704337	0.01743681	-0.04848154	0.37818224	-0.18179123	0.45889798	-0.12310911	0.54089724	-0.17588621	0.11830748	-0.20083936	0.38819150	0.41882554	0.04745618	0.04745618
ENSG0000022468	1	21089717	21088229	ENSG0000022468	protein coding	-0.17998163	0.11252187	-0.10175888	0.69735588	-0.24857814	0.21120987	-0.21015888	0.28284131	-0.20473071	0.13880124	-0.2005411	0.37991787	0.24810047	0.04745618	0.04745618
ENSG0000018984	19	45198137	45198137	ENSG0000018984	protein coding	-0.22228847	0.05162224	-0.19239812	0.20461974	-0.15200265	0.49249628	-0.08248081	0.6828026	-0.2622029	0.64508294	-0.2404817	0.3591796	0.28174792	0.04745618	0.04745618
ENSG00000132141	17	34927859	34881078	CO16B	protein coding	-0.21121028	0.05118635	-0.16185248	0.48107224	-0.10454418	0.61687932	-0.15025001	0.45448017	-0.19046489	0.04863988	-0.20076321	0.36817291	0.24323999	0.18842252	0.18842252
ENSG00000248517	4	18488987	18505188	ENSG00000248517	protein coding	-0.15697153	0.17236958	-0.16505450	0.20078004	-0.12713369	0.53710888	-0.12784391	0.25298409	-0.13594373	0.32705427	-0.20083936	0.38744744	0.16020718	0.24024808	0.24024808
ENSG0000020225	19	10170292	10170292	ENSG0000020225	protein coding	-0.07871801	0.47545268	-0.20209048	0.15768141	-0.17477815	0.66977658	-0.21491957	0.29189808	-0.26557717	0.00419484	-0.20271139	0.15846013	0.25818253	0.17075471	0.17075471
ENSG00000245975	18	58769072	58769074	ENSG00000245975	protein coding	-0.28677404	0.01246953	-0.17046535	0.18380860	-0.12513593	0.38937334	-0.15335505	0.44652628	-0.25651225	0.05115109	-0.20089609	0.35776633	0.27732566	0.05115109	0.05115109
ENSG00000196376	6	11707974	11813764	ENSG00000196376	protein coding	-0.26333035	0.02674489	-0.20348939	0.00062891	-0.03262877	0.38937334	-0.15335505	0.44652628	-0.25651225	0.05115109	-0.20089609	0.35776633	0.27732566	0.05115109	0.05115109
ENSG0000010688	19	45198137	45198137	ENSG0000010688	protein coding	-0.18181344	0.12911621	-0.1633473	0.24620909	-0.26246181	0.17987889	-0.06545171	0.79887889	-0.0450313	0.90752679	-0.2004305	0.36922925	0.30472193	0.07470203	0.07470203
ENSG0000019818	X	11978604	11979130	RR33	protein coding	-0.25846047	0.02685364	-0.21034433	0.13302001	-0.17038514	0.68138148	-0.1881022	0.24221338	-0.2249338	0.04631876	-0.20028663	0.36355026	0.3841074	0.00353691	0.00353691
ENSG0000028750	4	5517787	5518180	ENSG0000028750	protein coding	-0.13976826	0.32384101	-0.01445271	0.82063283	-0.10150173	0.04784894	-0.24257381	0.22280002	-0.05858374	0.96490279	-0.20104516	0.36765047	-0.2287491	0.113305	

ENSG0000027948	22	27044001	27043153	AK083834	lincRNA	-0.121203021	0.063914079	-0.1191811	0.40971332	0.031361432	0.678969139	0.019362020	0.52363442	-0.148884520	0.283591484	-0.206195881	0.345204901	0.238119151	0.005866202
ENSG0000026505	22	38770331	38770971	AF214728.1	lincRNA	-0.250568411	0.37353611	-0.18905651	0.04963774	0.072097711	0.727707828	-0.133125526	0.67888765	-0.162425771	0.242810424	-0.206296262	0.327267192	0.238281738	0.099171241
ENSG0000029118	22	29841192	29841192	AK083834	lincRNA	-0.20281893	0.063914079	-0.1191811	0.40971332	0.031361432	0.678969139	0.019362020	0.52363442	-0.148884520	0.283591484	-0.206195881	0.345204901	0.238119151	0.005866202
ENSG0000029241	22	30704114	30709701	AK083834	lincRNA	-0.145019274	0.022817518	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG0000026834	22	12969589	12970122	AK113733.2	lincRNA	-0.252818652	0.042909587	-0.13019407	0.407507401	-0.254964475	0.196317875	-0.074623661	0.711438809	-0.151894151	0.016967701	-0.206258633	0.345053381	0.326914488	0.040493262
ENSG0000031536	22	14911951	14911951	AK083834	lincRNA	-0.20281893	0.063914079	-0.1191811	0.40971332	0.031361432	0.678969139	0.019362020	0.52363442	-0.148884520	0.283591484	-0.206195881	0.345204901	0.238119151	0.005866202
ENSG0000029509	14	18677846	18678161	AK151210.1	lincRNA	-0.171892319	0.01239307	-0.12319307	0.412310747	0.102686623	0.419324056	-0.24541814	0.217287543	-0.211103017	0.027148269	-0.20636181	0.345204901	0.238119151	0.005866202
ENSG0000034187	7	7919303	79194261	H6P1C	transcribed unprocessed pseudogene	-0.157323443	0.022817518	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG0000034358	7	14911951	14911951	AK083834	lincRNA	-0.20281893	0.063914079	-0.1191811	0.40971332	0.031361432	0.678969139	0.019362020	0.52363442	-0.148884520	0.283591484	-0.206195881	0.345204901	0.238119151	0.005866202
ENSG0000034207	1	11408291	11415380	SVT6	protein coding	-0.553182295	0.022817518	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG0000011983	14	10659589	10647480	IGHZ	IG_C_gene	-0.10907702	0.07304469	-0.08769582	0.447698433	0.032082187	0.689417781	0.004700757	0.615262048	-0.048683318	0.374915117	-0.206433035	0.346826265	0.024136806	0.004176222
ENSG0000024214	3	14186938	14192461	LOC100287	transcribed unprocessed pseudogene	-0.23867071	0.022817518	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG0000022937	2	17111036	17127262	UC009395.2	lincRNA	-0.047089585	0.68420451	-0.046877954	0.73038271	0.1143587	0.596836338	0.160713861	0.42324515	-0.03364017	0.860177088	-0.20646831	0.345204901	0.238119151	0.005866202
ENSG0000030520	7	2667898	26692439	SNAP2	protein coding	-0.131395894	0.042909587	-0.103729251	0.460268180	0.065330740	0.764200110	-0.263827828	0.042909587	-0.257744451	0.186915278	-0.2063901	0.346826265	0.024136806	0.004176222
ENSG0000031389	9	2974934	29791211	SLC39B3	protein coding	-0.00878119	0.846990032	-0.00598158	0.41032071	0.081189833	0.76934665	-0.026079592	0.83236004	-0.108811716	0.434373264	-0.20637806	0.34291182	0.054949421	0.06676507
ENSG0000025729	12	5230616	5230871	AC112757.1	lincRNA	-0.244755544	0.031361432	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG0000015125	10	2174842	21962221	GPR158	protein coding	-0.25862451	0.022817518	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG0000027440	19	2053526	2056980	ZNF77	protein coding	-0.13724592	0.23393971	-0.10749463	0.45698441	0.063337083	0.7383399	-0.0721756	0.8502041	-0.11848324	0.388471778	-0.206195881	0.345204901	0.238119151	0.005866202
ENSG00000277159	13	11262928	11269417	AK133884.2	lincRNA	-0.29525475	0.00941427	-0.141170883	0.178641886	0.144195301	0.633395946	-0.15833897	0.4381710	-0.24281265	0.07785907	-0.20644441	0.34132673	0.1917708	0.0323024
ENSG0000023250	22	23088674	23094468	GCSF	protein coding	-0.381911919	0.0121963	-0.25274454	0.769628444	-0.12623251	0.341918975	-0.24447458	0.18249771	-0.348415388	0.018224264	-0.2068578	0.34132673	0.1917708	0.0323024
ENSG0000023503	1	11619434	11619434	LOC1001779	lincRNA	-0.23388535	0.063914079	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG00000199119	3	14267397	14267394	RNRP225	lincRNA	-0.067324455	0.55272723	-0.066821423	0.12623251	0.121818328	0.67847478	0.70343906	-0.03148489	0.819124559	-0.20686763	0.34027602	0.10825451	0.05428699	
ENSG0000028940	14	29415056	29504040	AK15508.2	lincRNA	-0.176925928	0.12497024	-0.10201874	0.1832386	0.08717398	0.68547867	-0.203441781	0.308778924	-0.12877868	0.353375114	-0.2074426	0.34398461	0.15474354	0.28097307
ENSG0000011950	6	6322987	6323101	UC00436.2	transcribed unprocessed pseudogene	-0.13693585	0.23393971	-0.10749463	0.45698441	0.063337083	0.7383399	-0.0721756	0.8502041	-0.11848324	0.388471778	-0.206195881	0.345204901	0.238119151	0.005866202
ENSG0000019426	9	13547093	13548883	PP1R2C	protein coding	-0.27680884	0.01476821	-0.19308805	0.17911920	0.25273475	0.19521512	-0.20944021	0.24643214	-0.3174322	0.1943027	-0.2097007	0.34378053	0.29262574	0.0460107
ENSG0000023497	16	8625247	8625282	UC00108.1	transcribed unprocessed pseudogene	-0.115100743	0.18829295	-0.17333292	0.2286180	0.10335807	0.85013547	-0.1138179	0.57188827	-0.08242024	0.52593848	-0.20648853	0.34394270	0.15953696	0.28428208
ENSG0000018912	12	9927440	9944168	LOC100287	transcribed unprocessed pseudogene	-0.1838921	0.01020041	-0.120471678	0.10748151	-0.08321865	0.67898137	-0.27760313	0.14083161	-0.14202653	0.18698907	-0.20686921	0.34394270	0.15953696	0.28428208
ENSG0000018420	1	14688749	14688795	H2AC21	protein coding	-0.139138242	0.2274804	-0.106439848	0.15137386	0.102619117	0.808519519	-0.03086443	0.67835778	-0.04088236	0.679831	-0.20648853	0.34394270	0.15953696	0.28428208
ENSG0000025128	8	7418991	7420546	HSPD193	protein coding	-0.2786892	0.014122464	-0.12911304	0.173154007	0.18882778	0.36683305	-0.04946142	0.745048	-0.26916429	0.04095904	-0.20686921	0.34394270	0.15953696	0.28428208
ENSG0000019783	1	2933433	2933433	LOC100287	transcribed unprocessed pseudogene	-0.2722488	0.022817518	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG0000011189	21	2633933	2640033	GRIK1	protein coding	-0.267282631	0.01504294	-0.20119272	0.150084639	-0.1418873	0.408833003	-0.17291683	0.388406359	-0.23568871	0.08383238	-0.2068512	0.34394270	0.15953696	0.28428208
ENSG0000025492	11	12526326	12526789	UC01007.1	lincRNA	-0.20377877	0.07453478	-0.10737888	0.16004477	0.07455262	0.71171079	-0.18157645	0.364871058	-0.16908489	0.212165914	-0.20644014	0.34345445	0.143337079	0.23044884
ENSG00000199030	1	14903199	14903199	Y RNA	lincRNA	-0.22481384	0.063914079	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG00000171357	1	4620334	4621238	LIRAP1	protein coding	-0.385026079	0.00564351	-0.291115869	0.00564351	0.203778820	0.244687872	-0.36512058	0.661110817	-0.39567471	0.002767609	-0.20640814	0.34317864	0.375508449	0.007160571
ENSG00000206105	7	15037435	15037434	UC00586.1	lincRNA	-0.231449324	0.042909587	-0.103729251	0.460268180	0.065330740	0.764200110	-0.263827828	0.042909587	-0.257744451	0.186915278	-0.2063901	0.346826265	0.024136806	0.004176222
ENSG00000206105	7	15037435	15037434	UC00586.1	lincRNA	-0.231449324	0.042909587	-0.103729251	0.460268180	0.065330740	0.764200110	-0.263827828	0.042909587	-0.257744451	0.186915278	-0.2063901	0.346826265	0.024136806	0.004176222
ENSG00000112599	6	4128324	4128495	GUCIAB	protein coding	-0.176288973	0.12511527	-0.07292486	0.4869338	0.044120484	0.021595924	-0.23716955	0.801788626	-0.23716955	0.801788626	-0.20670636	0.34311264	0.25242452	0.07133697
ENSG0000027638	6	6705959	6726346	CHTNAP2P2	transcribed unprocessed pseudogene	-0.24024968	0.03311394	-0.28945235	0.094471710	0.133550374	0.509612339	-0.37055179	0.05707952	-0.24860333	0.06899786	-0.20705920	0.34037159	0.11119999	0.18354442
ENSG0000026853	3	6284534	6284534	UC001848.1	transcribed unprocessed pseudogene	-0.0318248	0.031361432	-0.11490603	0.42684891	0.038444069	0.678951808	0.042909587	0.807193699	-0.118643174	0.328405404	-0.206223339	0.345112923	0.143337079	0.23044884
ENSG00000272905	7	3305954	3306406																

ENSG00000269933	19	409046	507633	AC005775.1	lincRNA	-0.28697601	0.018417009	-0.251743081	0.077903085	-0.283831486	0.151660291	-0.261183076	0.188205051	-0.24933372	0.07925557	-0.20923474	0.337983007	0.303842199	0.031841001	
ENSG00000269934	19	526145	526145	AC005775.1	lincRNA	-0.57419189	0.183885051	-0.17426739	0.21419668	-0.14803484	0.51115064	-0.06370862	0.08370862	-0.02929634	0.05623637	-0.20292634	0.373071534	0.207026633	0.585115334	
ENSG00000272544	16	35410922	35413333	SLFN12	protein coding	-0.04329428	0.04329428	-0.04329428	0.04329428	-0.04329428	0.04329428	-0.04329428	0.04329428	-0.04329428	0.04329428	-0.04329428	0.04329428	0.04329428	0.04329428	0.04329428
ENSG00000272544	16	3127771	3127771	ZNF123	protein coding	-0.18527697	0.10584376	-0.17480197	0.08840119	-0.17151688	0.02841107	-0.20101644	0.28522007	-0.00022450	0.05145234	-0.02992327	0.03378426	0.02254452	0.11548647	
ENSG00000273071	20	2961326	2961326	IT1-21894.2	lincRNA	-0.03327619	0.07478092	-0.15445503	0.28421102	0.18551078	0.25423494	-0.04901011	0.08292154	-0.02929216	0.01418663	-0.02929216	0.037840147	0.04054587	0.05027057	
ENSG00000273071	20	913895	913895	IT1-21894.1	lincRNA	-0.03327619	0.07478092	-0.15445503	0.28421102	0.18551078	0.25423494	-0.04901011	0.08292154	-0.02929216	0.01418663	-0.02929216	0.037840147	0.04054587	0.05027057	
ENSG00000293615	10	130461019	130461019	MR4306	miRNA	0.130461019	0.25808064	-0.14077983	0.03807791	-0.28742540	0.19242767	-0.40784540	0.03470292	-0.39523489	0.007638108	-0.02380731	0.033763431	0.131042103	0.9643586	
ENSG0000029811	11	7455440	7455207	MR4306	miRNA	-0.03195554	0.007638108	-0.03020575	0.05692620	-0.28361184	0.15243469	-0.18023407	0.34189425	-0.39523489	0.02804658	-0.02804658	0.02804658	0.3763138	0.39523489	
ENSG0000029811	11	5301389	5301389	MR4306	miRNA	-0.03195554	0.007638108	-0.03020575	0.05692620	-0.28361184	0.15243469	-0.18023407	0.34189425	-0.39523489	0.02804658	-0.02804658	0.02804658	0.3763138	0.39523489	
ENSG00000314627	11	9454340	9454121.1	PWLL4	lincRNA	-0.11598462	0.001545839	-0.04938120	0.07329560	-0.20346176	0.10228219	-0.26078310	0.26078310	-0.05461974	0.06848550	-0.02804658	0.01841891	0.03758890	0.02444260	
ENSG00000322104	8	3526723	3691194	PKA-AS1	lincRNA	0.02641550	0.82429468	-0.04884749	0.04834760	0.03470396	0.02603011	0.15072281	0.45302007	0.19981182	0.14988274	0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000322104	8	3526723	3691194	PKA-AS1	lincRNA	0.02641550	0.82429468	-0.04884749	0.04834760	0.03470396	0.02603011	0.15072281	0.45302007	0.19981182	0.14988274	0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325846	6	5072091	5080946	PKA-AS1	lincRNA	-0.11598462	0.001545839	-0.04938120	0.07329560	-0.20346176	0.10228219	-0.26078310	0.26078310	-0.05461974	0.06848550	-0.02804658	0.01841891	0.03758890		
ENSG00000325846	6	5072091	5080946	PKA-AS1	lincRNA	-0.11598462	0.001545839	-0.04938120	0.07329560	-0.20346176	0.10228219	-0.26078310	0.26078310	-0.05461974	0.06848550	-0.02804658	0.01841891	0.03758890		
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935	5	4817124	4819169	PKA-AS1	lincRNA	-0.12915900	0.26291010	-0.14388980	0.03187438	-0.22499883	0.54275008	-0.04421958	0.04421958	-0.01718100	0.04491800	-0.02804658	0.02804658	0.02804658	0.02804658	
ENSG00000325935																				

Table with 15 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description, RefSeq Accession, RefSeq Date, RefSeq Version, RefSeq Build, RefSeq Status. The table lists various genes and their genomic coordinates and features.

Table with 10 columns: Gene ID, Gene Name, Gene Type, Gene Description, and a list of 100 numerical values. The table contains a large number of rows, each representing a different gene and its associated data points.

Table with 15 columns: Gene ID, RefSeq ID, Gene Name, Transcription Start Site (TSS), Strand, Feature Type, Start, End, Score, and other genomic coordinates. The table lists various genes such as ENG000026603, ENG000026604, etc., with their corresponding genomic features and coordinates.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. Contains genomic coordinates and gene annotations for various genes including FAM83B, OAT, HMC1, MGA1, and many others.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Type, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Description, RefSeq Link. The table lists numerous genes and their associated RefSeq IDs and descriptions.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Type, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. Contains a comprehensive list of genes and their associated genomic coordinates and descriptions.

Table with columns for gene names (e.g., ENG0000281799), coordinates (e.g., 3542364, 3542463), gene symbols (e.g., C2orf69P3), and genomic coordinates (e.g., chr1:100000000-100000000). The table lists numerous genes and their associated genomic data.

Table with 10 columns: Gene ID, Chr, Start, End, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description, RefSeq Accession. The table lists numerous genes and their associated RefSeq identifiers, such as ENGG0000017169, ENGG0000017170, ENGG0000017171, etc., up to ENGG0000017436.

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, Start, End, Strand, Feature. Contains genomic coordinates and gene annotations for various genes like AKT1, ARHGAP25, ARHGAP26, etc.

ENSG0000023499	2	73985132	73986433	AC073046.1	lncRNA	-0.314085728	0.005491599	-0.327385524	0.020208600	-0.197900070	0.322400133	-0.144959801	0.032662729	-0.326049553	0.018533098	-0.253063685	0.244010644	0.227291223	0.055466711	
ENSG0000026014	7	77685173	77693981	NECN	protein coding	-0.080704310	0.445272727	-0.302517708	0.000000000	-0.138701716	0.292150585	-0.171418611	0.106672921	0.045455520	0.741114687	-0.253071731	0.243007729	0.056551292	0.165895292	
ENSG0000015439	12	87741230	87741230	AC092	protein coding	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	0.071190000	0.071190000	0.071190000
ENSG0000015393	12	100023039	100023039	USP30	protein coding	-0.249999932	0.028517244	-0.200312743	0.1633170	-0.030020457	0.076567811	-0.188700701	0.320205344	-0.240011616	0.008447844	-0.253110009	0.243991009	0.251907853	0.077395859	0.077395859
ENSG0000026048	16	70497293	70501410	PTC1	protein coding	-0.187298240	0.011690274	-0.149300260	0.034336631	-0.323141814	0.100173258	0.023470809	0.807463305	-0.067365907	0.027369000	-0.253123705	0.243880919	0.032766000	0.032766000	0.032766000
ENSG0000027290	26	21164555	21164555	AC073046.1	lncRNA	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	-0.071190000	0.071190000	0.071190000	0.071190000	0.071190000
ENSG0000018319	19	7676268	7678824	M-EMP1	protein coding	-0.075061358	0.154652839	-0.189897437	0.183543020	-0.049589891	0.286162674	-0.221783353	0.266262674	-0.034044711	0.024732662	-0.253119123	0.243730010	0.040907896	0.777651519	0.777651519
ENSG0000026866	11	11759632	11760577	AL15762.1	lncRNA	-0.1224040	0.004169102	-0.254346703	0.047467491	-0.203992280	0.229622222	0.045157156	0.082027550	-0.157807323	0.008326321	-0.253222619	0.243880919	0.034507491	0.034507491	0.034507491
ENSG0000026899	12	37693343	37693491	HOC2	protein coding	-0.126846633	0.005026939	-0.118496923	0.118496923	-0.006923244	0.453389920	-0.189863468	0.324899774	-0.200572971	0.057778971	-0.253339744	0.243418261	0.034073381	0.034073381	0.034073381
ENSG0000013276	17	1459477	1459742	INPP5K	protein coding	-0.131440177	0.007475229	-0.165844129	0.088585002	-0.030032821	0.086073907	-0.299578737	0.191031423	-0.098888030	0.518117624	-0.253254796	0.243880919	0.034073381	0.034073381	0.034073381
ENSG0000011426	9	434984	434984	OCG1	protein coding	-0.05843342	0.025292198	-0.08709891	0.023997044	0.023219064	0.020244585	0.088017070	0.688494938	0.017176531	0.019894944	-0.253292144	0.243585827	0.103244402	0.074969612	0.074969612
ENSG0000026395	12	5408986	5409784	AC092	protein coding	-0.126846633	0.005026939	-0.118496923	0.118496923	-0.006923244	0.453389920	-0.189863468	0.324899774	-0.200572971	0.057778971	-0.253339744	0.243418261	0.034073381	0.034073381	0.034073381
ENSG0000024104	19	4327191	4324866	CEACAMP10	transcribed_processed	-0.131440177	0.007475229	-0.165844129	0.088585002	-0.030032821	0.086073907	-0.299578737	0.191031423	-0.098888030	0.518117624	-0.253254796	0.243880919	0.034073381	0.034073381	0.034073381
ENSG0000017537	14	8112147	8125383	SELT	protein coding	-0.019844743	0.084876991	-0.053373758	0.170963330	-0.211116032	0.026187126	0.063615541	0.672494962	0.047128445	0.144444444	-0.253442626	0.243880919	0.034073381	0.034073381	0.034073381
ENSG0000022099	20	8374468	8349484	AL121845.1	lncRNA	-0.170189181	0.138977144	-0.058420117	0.081176451	-0.047648007	0.181337564	-0.113380071	0.573389116	-0.116284008	0.389117856	-0.253474476	0.243200965	-0.233402311	0.107176692	0.107176692
ENSG0000018732	5	14121319	14121319	PCBD13	protein coding	-0.238112044	0.034466494	-0.283373053	0.046186022	-0.154143269	0.039172909	-0.349575303	0.073877457	-0.198562729	0.174542389	-0.253492678	0.243170897	0.020195112	0.020195112	0.020195112
ENSG0000017070	10	11752440	11754964	EMO1	protein coding	-0.303751809	0.007242696	-0.201135651	0.161234401	-0.284884518	0.150007813	-0.106572840	0.586727510	-0.237160211	0.088989422	-0.253634022	0.243083000	0.034073381	0.034073381	0.034073381
ENSG0000014532	4	8716103	87240314	RUE1	protein coding	-0.056404118	0.632233571	-0.295292534	0.042184141	-0.297091152	0.133413333	-0.116969956	0.105129865	-0.013695922	0.955109944	-0.253549476	0.243071111	0.096921605	0.096921605	0.096921605
ENSG0000013800	4	10769276	10772430	PAPD3	protein coding	-0.084041425	0.465500738	-0.299917774	0.034537797	-0.095891196	0.624651571	-0.375698182	0.053455991	-0.087445463	0.157210944	-0.253576969	0.243043308	0.032287281	0.032287281	0.032287281
ENSG0000023741	11	2670333	2671201	NCOR1DN	lncRNA	-0.117584135	0.304801441	-0.142800614	0.322488680	-0.025260311	0.030975654	-0.252688030	0.888795124	-0.000423210	0.898881141	-0.253610211	0.242494011	0.179497129	0.148881229	0.148881229
ENSG0000016941	11	2304042	2317768	LUT2	protein coding	-0.020926014	0.177895910	-0.098776523	0.048491915	-0.297181959	0.299771611	-0.044274962	0.826444716	-0.011762653	0.932720202	-0.253699127	0.242981020	0.005146822	0.031913304	0.031913304
ENSG0000011034	12	5128130	5132468	BN2	protein coding	-0.037014677	0.717107611	-0.218455743	0.130378853	-0.027515816	0.030975654	-0.202109811	0.312024428	-0.017121253	0.898881141	-0.253729119	0.242173881	0.036890765	0.007252530	0.007252530
ENSG0000018717	4	4005650	4015820	NBD2	protein coding	-0.016911208	0.883939311	-0.013241027	0.927454488	-0.173446778	0.392234281	-0.192015208	0.318141912	-0.094206862	0.497942729	-0.253743265	0.242270705	0.091971137	0.032548753	0.032548753
ENSG0000012636	2	15911879	15981166	BA2C	protein coding	-0.092142928	0.390772026	-0.202034119	0.143157151	-0.237334672	0.033262929	-0.194242954	0.333192165	-0.054610354	0.689499496	-0.253756026	0.242654955	0.091747204	0.489529539	0.489529539
ENSG0000018914	10	4768907	4773436	SLMD3	unprocessed_transcript	-0.271313863	0.019926448	-0.212444442	0.137795954	-0.190672748	0.819471004	-0.193687264	0.333003034	-0.235544484	0.834835838	-0.253792621	0.242358431	0.021752018	0.051347408	0.051347408
ENSG0000027139	3	4399996	4399744	AC092	protein coding	-0.155929214	0.175675441	-0.148614849	0.297076820	-0.048591844	0.880847741	-0.018048811	0.328087710	-0.049873498	0.720205311	-0.253844328	0.242485941	0.020654404	0.150681035	0.150681035
ENSG0000026022	17	7234017	7229989	AC092	protein coding	-0.141442725	0.002096969	-0.136918984	0.030396969	-0.100472012	0.180490935	-0.044092925	0.020983026	-0.028789959	0.016201399	-0.253896891	0.242485941	0.002095487	0.034073381	0.034073381
ENSG0000026971	1	2774388	2774041	AC092	protein coding	0.083458145	0.141881704	0.158127286	0.297076820	0.042520471	0.191309208	0.191834183	0.028884476	0.224470448	0.090568578	-0.253896891	0.242485941	0.002095487	0.034073381	0.034073381
ENSG0000017840	12	4524858	4525744	DNAJ2	protein coding	-0.293788283	0.005026939	-0.187572398	0.192122623	-0.161253318	0.210282928	-0.087957622	0.664050762	-0.228425717	0.100576459	-0.253914601	0.242308831	0.032338334	0.032338334	0.032338334
ENSG0000016244	1	22987415	22987415	FNH12	transcribed_processed	-0.290134497	0.000000000	-0.278007815	0.027800781	-0.181024411	0.366083305	-0.288888889	0.170969807	-0.237424722	0.035895000	-0.253930045	0.242308831	0.032338334	0.032338334	0.032338334
ENSG0000025330	8	73358670	73362142	AC111449.2	lncRNA	-0.283456520	0.012395533	-0.284485710	0.027911212	-0.140247020	0.407120000	-0.310200020	0.114433808	-0.237810885	0.033342682	-0.254011425	0.241904100	0.296164400	0.087702611	0.087702611
ENSG0000027039	7	7477720	7477720	PTC1	transcribed_processed	-0.187298240	0.011690274	-0.149300260	0.034336631	-0.323141814	0.100173258	0.023470809	0.807463305	-0.067365907	0.027369000	-0.254011425	0.241904100	0.296164400	0.087702611	0.087702611
ENSG0000025239	8	32666148	32666148	DFBP1	protein coding	-0.267835139	0.018477009	-0.046753432	0.069753432	-0.305296336	0.352963592	-0.294273890	0.121526989	-0.294172890	0.030250544	-0.254116889	0.241904100	0.243454538	0.084402000	0.084402000
ENSG0000019520	1	1733698	17697874	APHC7	transcribed_processed	-0.346649488	0.001110459	-0.191420494	0.182692161	-0.322339494	0.100433211	-0.117773898	0.589821474	-0.156856920	0.020000000	-0.254234740	0.241567041	0.484494260	0.000000000	0.000000000
ENSG0000015030	2	1194266	1194266	PTC1	transcribed_processed	-0.187298240	0.011690274	-0.149300260	0.034336631	-0.323141814	0.100173258	0.023470809	0.807463305	-0.067365907	0.027369000	-0.254234740	0.241567041	0.484494260	0.000000000	0.000000000
ENSG0000015254	2	6880129	6880129	GPC2	protein coding	-0.334573206	0.005026939	-0.304158603	0.014269447	-0.120683494	0.540313111	-0.336708216	0.085813483	-0.308060000	0.020061258	-0.254233238	0.241567041	0.103107414	0.0229971	0.0229971
ENSG0000014948	11	61799527	61829138	FADS1	protein coding	-0.080809313	0.484332490	-0.091541610	0.528902962	-0.064189150	0.750424841	-0.300571527	0.127265629	-0.189270711	0.104733911	-0.254276101	0.241547701			

ENSG00000258722	14	21110296	21114372	CKAP1	processed_pseudogene	-0.12257125	0.06384788	-0.07037369	0.06130811	-0.23033306	0.24774493	0.25277394	0.20334476	-0.18522859	0.16673084	-0.25718874	0.28113966	0.27784725	0.04998693		
ENSG00000258723	14	21102600	21092300	ENSG00000258723	processed_pseudogene	-0.55111794	0.07996997	0.52082021	-0.20624244	0.24997677	0.03812893	0.87745933	0.25842025	0.09474266	0.25747035	-0.25747035	0.25747035	0.25747035	0.25747035	0.01766341	
ENSG00000258724	17	20008014	20007704	ENSG00000258724	processed_pseudogene	-0.33111310	0.23881000	0.13111310	0.07090330	0.04140747	0.99446780	0.24952020	0.20941668	-0.2816337	0.03093936	0.25727596	0.25998485	0.32768773	0.02059449	0.02059449	
ENSG00000258725	19	59132434	59272879	ENSG00000258725	processed_pseudogene	-0.26157674	0.02196667	0.26742740	0.02621468	0.07256542	0.71961769	0.30737177	0.11886955	-0.27685977	0.04692899	0.25713770	0.25713770	0.25713770	0.25713770	0.25713770	0.02258181
ENSG00000258726	19	29044444	29044444	ENSG00000258726	processed_pseudogene	-0.18842244	0.02196667	0.18842244	0.02196667	0.18842244	0.02196667	0.18842244	0.02196667	0.18842244	0.02196667	0.18842244	0.02196667	0.18842244	0.02196667	0.18842244	0.02196667
ENSG00000258727	18	79117077	79117077	ENSG00000258727	processed_pseudogene	-0.11925557	0.02101437	0.11925557	0.02101437	0.11925557	0.02101437	0.11925557	0.02101437	0.11925557	0.02101437	0.11925557	0.02101437	0.11925557	0.02101437	0.11925557	0.02101437
ENSG00000258728	2	24455196	24455196	ENSG00000258728	processed_pseudogene	-0.12677474	0.02101437	0.12677474	0.02101437	0.12677474	0.02101437	0.12677474	0.02101437	0.12677474	0.02101437	0.12677474	0.02101437	0.12677474	0.02101437	0.12677474	0.02101437
ENSG00000258729	21	8420376	8420376	ENSG00000258729	processed_pseudogene	-0.41872433	0.02101437	0.41872433	0.02101437	0.41872433	0.02101437	0.41872433	0.02101437	0.41872433	0.02101437	0.41872433	0.02101437	0.41872433	0.02101437	0.41872433	0.02101437
ENSG00000258730	6	66058456	66058377	ENSG00000258730	processed_pseudogene	-0.16698263	0.14688549	0.16698263	0.14688549	0.16698263	0.14688549	0.16698263	0.14688549	0.16698263	0.14688549	0.16698263	0.14688549	0.16698263	0.14688549	0.16698263	0.14688549
ENSG00000258731	7	20743333	20745401	ENSG00000258731	processed_pseudogene	-0.26326289	0.01260229	0.26326289	0.01260229	0.26326289	0.01260229	0.26326289	0.01260229	0.26326289	0.01260229	0.26326289	0.01260229	0.26326289	0.01260229	0.26326289	0.01260229
ENSG00000258732	5	15702434	15702434	ENSG00000258732	processed_pseudogene	-0.20224841	0.03087348	0.20224841	0.03087348	0.20224841	0.03087348	0.20224841	0.03087348	0.20224841	0.03087348	0.20224841	0.03087348	0.20224841	0.03087348	0.20224841	0.03087348
ENSG00000258733	8	10699727	10699813	ENSG00000258733	processed_pseudogene	-0.195518324	0.08383635	0.195518324	0.08383635	0.195518324	0.08383635	0.195518324	0.08383635	0.195518324	0.08383635	0.195518324	0.08383635	0.195518324	0.08383635	0.195518324	0.08383635
ENSG00000258734	13	13492820	13492820	ENSG00000258734	processed_pseudogene	-0.1399992	0.23417629	0.1399992	0.23417629	0.1399992	0.23417629	0.1399992	0.23417629	0.1399992	0.23417629	0.1399992	0.23417629	0.1399992	0.23417629	0.1399992	0.23417629
ENSG00000258735	19	92492606	92492606	ENSG00000258735	processed_pseudogene	-0.37741789	0.00070294	0.37741789	0.00070294	0.37741789	0.00070294	0.37741789	0.00070294	0.37741789	0.00070294	0.37741789	0.00070294	0.37741789	0.00070294	0.37741789	0.00070294
ENSG00000258736	X	12962038	12964309	ENSG00000258736	processed_pseudogene	-0.40056786	0.25284839	0.40056786	0.25284839	0.40056786	0.25284839	0.40056786	0.25284839	0.40056786	0.25284839	0.40056786	0.25284839	0.40056786	0.25284839	0.40056786	0.25284839
ENSG00000258737	1	6348787	6350262	ENSG00000258737	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974
ENSG00000258738	4	10115179	10115884	ENSG00000258738	processed_pseudogene	-0.1709912	0.13904795	0.1709912	0.13904795	0.1709912	0.13904795	0.1709912	0.13904795	0.1709912	0.13904795	0.1709912	0.13904795	0.1709912	0.13904795	0.1709912	0.13904795
ENSG00000258739	16	26354786	26358355	ENSG00000258739	processed_pseudogene	-0.24587244	0.03172448	0.24587244	0.03172448	0.24587244	0.03172448	0.24587244	0.03172448	0.24587244	0.03172448	0.24587244	0.03172448	0.24587244	0.03172448	0.24587244	0.03172448
ENSG00000258740	11	8788778	8812031	ENSG00000258740	processed_pseudogene	-0.27243047	0.01507674	0.27243047	0.01507674	0.27243047	0.01507674	0.27243047	0.01507674	0.27243047	0.01507674	0.27243047	0.01507674	0.27243047	0.01507674	0.27243047	0.01507674
ENSG00000258741	19	3245452	32455564	ENSG00000258741	processed_pseudogene	-0.23687872	0.03076768	0.23687872	0.03076768	0.23687872	0.03076768	0.23687872	0.03076768	0.23687872	0.03076768	0.23687872	0.03076768	0.23687872	0.03076768	0.23687872	0.03076768
ENSG00000258742	17	8522666	8534717	ENSG00000258742	processed_pseudogene	-0.12770431	0.26837528	0.12770431	0.26837528	0.12770431	0.26837528	0.12770431	0.26837528	0.12770431	0.26837528	0.12770431	0.26837528	0.12770431	0.26837528	0.12770431	0.26837528
ENSG00000258743	X	15434824	15437463	ENSG00000258743	processed_pseudogene	-0.23218588	0.05091065	0.23218588	0.05091065	0.23218588	0.05091065	0.23218588	0.05091065	0.23218588	0.05091065	0.23218588	0.05091065	0.23218588	0.05091065	0.23218588	0.05091065
ENSG00000258744	19	4694891	4696907	ENSG00000258744	processed_pseudogene	-0.38244241	0.02096891	0.38244241	0.02096891	0.38244241	0.02096891	0.38244241	0.02096891	0.38244241	0.02096891	0.38244241	0.02096891	0.38244241	0.02096891	0.38244241	0.02096891
ENSG00000258745	3	11890527	11914608	ENSG00000258745	processed_pseudogene	-0.28790143	0.03008871	0.28790143	0.03008871	0.28790143	0.03008871	0.28790143	0.03008871	0.28790143	0.03008871	0.28790143	0.03008871	0.28790143	0.03008871	0.28790143	0.03008871
ENSG00000258746	11	7448489	7448413	ENSG00000258746	processed_pseudogene	-0.1105873	0.34274395	0.1105873	0.34274395	0.1105873	0.34274395	0.1105873	0.34274395	0.1105873	0.34274395	0.1105873	0.34274395	0.1105873	0.34274395	0.1105873	0.34274395
ENSG00000258747	3	1895915	1891199	ENSG00000258747	processed_pseudogene	-0.2343846	0.03771627	0.2343846	0.03771627	0.2343846	0.03771627	0.2343846	0.03771627	0.2343846	0.03771627	0.2343846	0.03771627	0.2343846	0.03771627	0.2343846	0.03771627
ENSG00000258748	11	10119033	11029372	ENSG00000258748	processed_pseudogene	-0.1770338	0.12222129	0.1770338	0.12222129	0.1770338	0.12222129	0.1770338	0.12222129	0.1770338	0.12222129	0.1770338	0.12222129	0.1770338	0.12222129	0.1770338	0.12222129
ENSG00000258749	11	7448489	7448413	ENSG00000258749	processed_pseudogene	-0.105873	0.34274395	0.105873	0.34274395	0.105873	0.34274395	0.105873	0.34274395	0.105873	0.34274395	0.105873	0.34274395	0.105873	0.34274395	0.105873	0.34274395
ENSG00000258750	9	11707475	11727457	ENSG00000258750	processed_pseudogene	-0.1478982	0.19288135	0.1478982	0.19288135	0.1478982	0.19288135	0.1478982	0.19288135	0.1478982	0.19288135	0.1478982	0.19288135	0.1478982	0.19288135	0.1478982	0.19288135
ENSG00000258751	10	10204351	10204351	ENSG00000258751	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974
ENSG00000258752	10	11727457	11727457	ENSG00000258752	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974
ENSG00000258753	10	11727457	11727457	ENSG00000258753	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974
ENSG00000258754	10	11727457	11727457	ENSG00000258754	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974
ENSG00000258755	10	11727457	11727457	ENSG00000258755	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974
ENSG00000258756	10	11727457	11727457	ENSG00000258756	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974
ENSG00000258757	10	11727457	11727457	ENSG00000258757	processed_pseudogene	-0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.01078974	0.28077031	0.0107								

Table with 10 columns: Gene ID, Chr, Start, End, Strand, Feature, Start, End, Strand, Feature. Contains genomic coordinates and gene annotations for various genes including HES1, HES2, HES3, HES4, HES5, HES6, HES7, HES8, HES9, HES10, HES11, HES12, HES13, HES14, HES15, HES16, HES17, HES18, HES19, HES20, HES21, HES22, HES23, HES24, HES25, HES26, HES27, HES28, HES29, HES30, HES31, HES32, HES33, HES34, HES35, HES36, HES37, HES38, HES39, HES40, HES41, HES42, HES43, HES44, HES45, HES46, HES47, HES48, HES49, HES50, HES51, HES52, HES53, HES54, HES55, HES56, HES57, HES58, HES59, HES60, HES61, HES62, HES63, HES64, HES65, HES66, HES67, HES68, HES69, HES70, HES71, HES72, HES73, HES74, HES75, HES76, HES77, HES78, HES79, HES80, HES81, HES82, HES83, HES84, HES85, HES86, HES87, HES88, HES89, HES90, HES91, HES92, HES93, HES94, HES95, HES96, HES97, HES98, HES99, HES100.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq, Ensembl, UniProt, and other identifiers. The table lists numerous genes and their genomic coordinates across various chromosomes.

Table with 10 columns: Gene ID, Chromosome, Start, End, Strand, Feature, RefSeq ID, Description, and coordinates. It lists numerous genes and their genomic locations across chromosomes 11, 12, 13, 14, 15, 16, 17, 18, 19, and X.

Table with columns for gene names (e.g., ENG0000125651), coordinates, and protein names (e.g., GTF2F1, GTF2F1 protein coding). The table lists numerous genes and their associated protein products.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq, Ensembl, UniProt, and other identifiers. The table lists numerous genes and their associated genomic features and coordinates.

ENSG0000024207	3	15873283	15874007	AC08013.1	lincRNA	-0.15326215	0.182981763	-0.151345403	0.294102543	0.14909866	0.457697118	0.04298892	0.81400077	0.011307006	0.633234616	-0.30759343	0.53351517	0.235859903	0.09523767
ENSG0000025364	17	10647920	10648000	ANKRD1	protein coding	-0.16115368	0.151175333	-0.15137862	0.27203643	0.726762	0.51913255	0.1507	0.1867006	-0.22699719	0.0251183	-0.3070267	0.5333301	0.147621463	0.0134533
ENSG0000019197	10	2862834	2862934	ANKRD3A	protein coding	-0.28022474	0.31734411	-0.2561704	0.37491403	0.60764287	0.73743491	-0.26172201	0.1575329	-0.19786702	0.15105773	-0.30715436	0.5330925	0.28992373	0.0413601
ENSG0000026026	6	2882529	2871793	ANKRD3A	protein coding	-0.33043441	0.33303502	-0.18018691	0.18377394	-0.20784411	0.20268742	-0.05178657	0.1867104	-0.27963844	0.0401662	-0.3076865	0.5326267	0.39274572	0.0474817
ENSG0000026917	10	2682529	2671793	ANKRD3A	protein coding	-0.28452829	0.33303502	-0.18018691	0.18377394	-0.20784411	0.20268742	-0.05178657	0.1867104	-0.27963844	0.0401662	-0.3076865	0.5326267	0.39274572	0.0474817
ENSG0000025278	3	5255146	5255146	ANKRD3B	protein coding	-0.07508055	0.15340302	-0.15018691	0.2605572	-0.17722585	0.40329263	-0.04311983	0.03850913	-0.13566686	0.52044131	-0.30774779	0.53177923	0.11213295	0.43742813
ENSG0000031001	3	1962714	1962714	ANKRD3B	protein coding	-0.25154404	0.08851569	-0.22746625	0.11841179	-0.20377737	0.24472332	-0.1587301	0.42906862	-0.11752793	0.44073862	-0.30775302	0.53081133	0.11644626	0.06811301
ENSG0000034493	X	1199715	1200188	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000032088	1	16614782	16615095	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000018934	11	6019136	6019136	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000015982	21	3262189	3273804	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000270130	12	12386071	12386244	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000022174	14	7698283	7698317	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000227012	9	13624891	13624934	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000148313	10	37125275	37184111	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000026026	6	2882529	2871793	ANKRD3A	protein coding	-0.33043441	0.33303502	-0.18018691	0.18377394	-0.20784411	0.20268742	-0.05178657	0.1867104	-0.27963844	0.0401662	-0.3076865	0.5326267	0.39274572	0.0474817
ENSG0000026917	10	2682529	2671793	ANKRD3A	protein coding	-0.28452829	0.33303502	-0.18018691	0.18377394	-0.20784411	0.20268742	-0.05178657	0.1867104	-0.27963844	0.0401662	-0.3076865	0.5326267	0.39274572	0.0474817
ENSG0000025278	3	5255146	5255146	ANKRD3B	protein coding	-0.07508055	0.15340302	-0.15018691	0.2605572	-0.17722585	0.40329263	-0.04311983	0.03850913	-0.13566686	0.52044131	-0.30774779	0.53177923	0.11213295	0.43742813
ENSG0000031001	3	1962714	1962714	ANKRD3B	protein coding	-0.25154404	0.08851569	-0.22746625	0.11841179	-0.20377737	0.24472332	-0.1587301	0.42906862	-0.11752793	0.44073862	-0.30775302	0.53081133	0.11644626	0.06811301
ENSG0000034493	X	1199715	1200188	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000032088	1	16614782	16615095	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000018934	11	6019136	6019136	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000015982	21	3262189	3273804	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000270130	12	12386071	12386244	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000022174	14	7698283	7698317	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000227012	9	13624891	13624934	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000148313	10	37125275	37184111	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000026026	6	2882529	2871793	ANKRD3A	protein coding	-0.33043441	0.33303502	-0.18018691	0.18377394	-0.20784411	0.20268742	-0.05178657	0.1867104	-0.27963844	0.0401662	-0.3076865	0.5326267	0.39274572	0.0474817
ENSG0000026917	10	2682529	2671793	ANKRD3A	protein coding	-0.28452829	0.33303502	-0.18018691	0.18377394	-0.20784411	0.20268742	-0.05178657	0.1867104	-0.27963844	0.0401662	-0.3076865	0.5326267	0.39274572	0.0474817
ENSG0000025278	3	5255146	5255146	ANKRD3B	protein coding	-0.07508055	0.15340302	-0.15018691	0.2605572	-0.17722585	0.40329263	-0.04311983	0.03850913	-0.13566686	0.52044131	-0.30774779	0.53177923	0.11213295	0.43742813
ENSG0000031001	3	1962714	1962714	ANKRD3B	protein coding	-0.25154404	0.08851569	-0.22746625	0.11841179	-0.20377737	0.24472332	-0.1587301	0.42906862	-0.11752793	0.44073862	-0.30775302	0.53081133	0.11644626	0.06811301
ENSG0000034493	X	1199715	1200188	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000032088	1	16614782	16615095	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000018934	11	6019136	6019136	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000015982	21	3262189	3273804	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000270130	12	12386071	12386244	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000022174	14	7698283	7698317	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000227012	9	13624891	13624934	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG00000148313	10	37125275	37184111	ANKRD3B	transcribed unprocessed	-0.28754799	0.15171951	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851	-0.20586365	0.15109851
ENSG0000026026	6	2882529	2871793	ANKRD3A	protein coding	-0.33043441	0.33303502	-0.18018691	0.18377394	-0.20784411	0.20268742	-0.05178657	0.1867104	-0.27963844	0.0401662	-0.3076865	0.5326267	0.39274572	0.0474817
ENSG0000026917	10	2682529	2671793	ANKRD3A	protein coding	-0.28452829	0.33303502	-0.18018691	0.18377394	-0.20784411</									

Table with 15 columns: Gene ID, Chr, Start, End, Strand, Feature, RefSeq ID, RefSeq Name, RefSeq Type, RefSeq Description, RefSeq Accession, RefSeq Date, RefSeq Version, RefSeq Length, RefSeq Description. The table lists various genes and their associated features, including protein-coding genes, lincRNAs, miRNAs, and pseudogenes.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Type. Contains genomic data for various genes including MBD1, TERT, AC021139.2, etc.

Table with 10 columns: Gene ID, Gene Name, Feature, Coordinates, and various numerical values. The table lists numerous genes such as GSTM3, SCAM2, OAT17A1, and many others, with their genomic coordinates and associated data points.

Table with columns for gene ID, chromosome, coordinates, gene name, type, and multiple numerical values. The table lists various genes such as DDX3X, HNR2B, and others, along with their genomic locations and associated numerical data.

Table with 10 columns: Gene ID, Chromosome, Start, End, Gene Name, Feature, Start, End, Start, End, Gene Name. Contains a comprehensive list of gene annotations for the RMD Open study.

Table with 10 columns: Gene ID, Chr, Start, End, Gene Name, Feature, RefSeq ID, RefSeq Description, RefSeq Link, RefSeq Type. Contains a comprehensive list of genes and their associated genomic coordinates and descriptions.

ENSG00000212731	14	77466294	77466340	AF111681	lincRNA	-0.0449994	0.26551655	-0.09033420	0.52370027	0.04948979	0.806315027	0.14731404	0.46339912	0.09187447	0.11957948	-0.40696989	0.05416954	0.12497826	0.38717524	
ENSG00000212732	17	49371780	49371814	AF111682	lincRNA	-0.21607395	0.20367314	-0.25370616	0.17537951	-0.25429056	0.04691684	0.17443011	0.46339912	0.09187447	0.11957948	-0.40696989	0.05416954	0.12497826	0.38717524	
ENSG00000212733	17	77331280	77331314	AF111683	lincRNA	-0.03829329	0.21491877	-0.03829329	0.21491877	-0.03829329	0.21491877	-0.03829329	0.21491877	-0.03829329	0.21491877	-0.03829329	0.21491877	-0.03829329	0.21491877	0.21491877
ENSG00000212734	3	48599002	48599036	UCR1C1	protein coding	0.03829329	0.37678171	-0.01979302	0.88148044	-0.02544454	0.89974891	0.20939002	0.20452780	0.18253889	0.19212016	-0.04633000	0.04343000	0.05007274	0.53062150	
ENSG00000212735	18	10656580	10656614	UCR1C2	protein coding	-0.06444023	0.26289717	-0.07693765	0.56573753	-0.13334773	0.51053991	0.27232727	0.17878201	0.0426272	0.04466600	-0.40630149	0.05437299	0.02426760	0.58441116	
ENSG00000212736	21	38424000	38424034	ITSN1	protein coding	-0.04444023	0.26289717	-0.07693765	0.56573753	-0.13334773	0.51053991	0.27232727	0.17878201	0.0426272	0.04466600	-0.40630149	0.05437299	0.02426760	0.58441116	
ENSG00000212737	18	13719272	13719306	ZNF303	protein coding	-0.078591	0.46688108	-0.23704564	0.09791508	-0.10307870	0.55337121	-0.11308070	0.45743780	0.01460544	0.91651786	-0.05626236	0.04617438	0.09887510	0.48451464	
ENSG00000212738	1	7162478	7162482	ITSN2	protein coding	-0.22542828	0.04688108	-0.24659110	0.04342591	-0.13489751	0.11088812	-0.15272651	0.35848728	-0.1058283	0.12363901	-0.40676934	0.04607303	-0.26698370	0.15898925	
ENSG00000212739	MT	49371780	49371814	MT-PE	protein coding	-0.22542828	0.04688108	-0.24659110	0.04342591	-0.13489751	0.11088812	-0.15272651	0.35848728	-0.1058283	0.12363901	-0.40676934	0.04607303	-0.26698370	0.15898925	
ENSG00000211725	1	21116378	21116383	ROR3	protein coding	-0.01877889	0.18778889	-0.23074269	0.09879889	-0.03914584	0.11680703	0.25925913	0.30791844	-0.05988872	0.07627314	-0.08686005	0.04403760	0.05971327	0.59713278	
ENSG00000214944	3	11903647	11903681	AC038621	lincRNA	-0.29472474	0.00264498	-0.26467410	0.03244428	-0.10465108	0.58819998	-0.13965738	0.48720693	-0.24941045	0.09969693	-0.40911188	0.03981488	-0.33217781	0.01843683	
ENSG00000214945	13	17538348	17538382	CPEB4	protein coding	-0.20281428	0.16471768	-0.29738161	0.03889451	-0.25181084	0.19893793	-0.20333763	0.3284584	-0.15742309	0.04698348	-0.38983044	-0.27496870	0.02786870	0.05811833	
ENSG00000214946	8	80062486	80062491	ALN1313	transcribed pseudogene	-0.30689305	0.07076911	-0.25610213	0.04376730	-0.09790804	0.62949959	-0.08453146	0.63905674	-0.10688802	0.19104173	-0.08698816	0.03933547	-0.12722890	0.01228900	
ENSG00000208901	3	50317790	50317824	HYAL	protein coding	-0.25171883	0.07376557	-0.31442726	0.01294728	-0.10265130	0.60226266	-0.38794191	0.10671745	-0.25688130	0.01812545	-0.40701038	0.05392337	-0.18338969	0.17442001	
ENSG00000208902	12	11019851	11019885	AC052342	lincRNA	-0.34389121	0.00269713	-0.37377868	0.00743774	-0.21941178	0.21210770	-0.44510015	0.01887881	-0.30024662	0.00490708	-0.40718838	0.03807901	-0.28739154	0.02947444	
ENSG00000204089	3	76434018	7643428	CAP1	protein coding	-0.18643378	0.10037204	-0.29720050	0.39678993	-0.10265130	0.68242603	-0.15063358	0.28011330	-0.12397110	0.03717823	-0.07216231	0.05927486	-0.10695564	0.20597870	
ENSG00000217127	18	9102630	9103430	NUPF2	protein coding	-0.30984108	0.00680471	-0.30712502	0.00237227	-0.30241185	0.18011425	-0.2008387	0.31514248	-0.24828627	0.00200228	-0.40732033	0.05377447	-0.07471849	0.08149031	
ENSG00000213644	12	49770727	49749541	TNR9B	protein coding	-0.10669861	0.13413113	-0.26465763	0.04567000	-0.38195154	0.1743496	-0.10383463	0.9564747	-0.05997096	0.17445091	-0.07272369	-0.04727369	0.13346471	0.31168314	
ENSG00000210484	19	49333171	49343354	CD37	protein coding	-0.25821088	0.09892459	-0.306746425	0.00421448	-0.0410428	0.69699777	-0.35580803	0.08700789	-0.16865514	0.22801292	-0.0741006	-0.0732370	-0.27038073	0.05149032	
ENSG00000213583	X	154401236	15441212	FNAB1L1	protein coding	-0.08181127	0.178981326	-0.24949161	0.03784256	-0.22774491	0.80085473	-0.16763314	0.34869739	0.09287272	0.50416602	-0.04071487	0.05333847	-0.13127279	0.38363847	
ENSG00000212073	1	13835838	13847028	KO5B1	protein coding	-0.17399178	0.21135870	-0.22940381	0.1106272	-0.25268897	0.20483897	-0.04477964	0.71198812	-0.07156815	0.06770465	-0.04733624	-0.25319437	-0.18300871	0.12002724	
ENSG00000215102	11	12888635	12881327	FNAB1L2	protein coding	-0.18545025	0.10635813	-0.29237496	0.0194535	-0.02274453	0.47785158	-0.28729535	0.1482158	-0.15131638	0.32993366	-0.06758347	-0.1920569	0.21345478		
ENSG00000211807	20	36574348	36580389	TGIF	protein coding	-0.10121038	0.31115423	-0.16545782	0.2804440	-0.12892306	0.52899104	-0.1634520	0.41358583	0.00788744	0.53120700	-0.07735683	0.03450212	0.22038708	0.12409887	
ENSG00000215892	9	7953005	7953011	LINC01183	lincRNA	-0.22461893	0.00493548	-0.22571352	0.11497703	-0.08791741	0.88140424	-0.08623897	0.01688783	-0.06684927	0.04890738	-0.40718173	0.03338901	-0.32889407	0.01987849	
ENSG00000248527	1	638396	634378	MTATRP1	unprocessed pseudogene	-0.2384583	0.03634033	-0.14558062	0.1561263	-0.08539341	0.78460977	-0.20092461	0.31493112	-0.1638248	0.24833159	-0.07735683	0.03450212	-0.22038708	0.12409887	
ENSG00000249850	6	3688206	36888497	KIF18P1	protein coding	-0.28938938	0.01988894	-0.14987813	0.02930407	-0.03810984	0.80333326	-0.47454630	0.01234828	-0.26408074	0.02584843	-0.40793231	0.05338909	-0.20812074	0.14695465	
ENSG00000203322	19	3891303	38406414	MECP2	protein coding	0.02243364	0.84722054	-0.05937807	0.08214061	0.20968207	0.17928191	0.31242592	0.24593321	0.19195451	0.16638916	-0.40744711	0.05338909	-0.05926678	0.08372381	
ENSG00000218321	10	30020207	31031937	ZNF438	protein coding	-0.1153893	0.17248907	-0.3381467	0.0174558	-0.2867584	0.13091446	-0.05908182	0.61293191	-0.05908182	0.16129319	-0.0474558	0.0474558	-0.16819184	0.44671594	
ENSG00000225440	11	50307681	50307706	AC024465	transcribed unprocessed pseudogene	-0.12748163	0.27025548	-0.16799517	0.24354578	-0.08766438	0.87066184	-0.17513017	0.38212249	0.06215349	0.68251838	-0.04943786	0.05315164	-0.23891143	0.09473861	
ENSG00000210296	10	79861394	79861394	LINC01183	lincRNA	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	
ENSG00000225044	10	79861394	79861394	NLOC1054B1	transcribed unprocessed pseudogene	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	
ENSG00000214418	12	12024004	12024017	RAF1	protein coding	-0.07611528	0.15057152	-0.29233348	0.03930210	-0.02629079	0.89595019	-0.2444021	0.2913968	0.06867827	0.83123595	-0.04398421	-0.05032885	-0.0476489	0.74237287	
ENSG00000211813	15	12024004	12024017	RAF1	protein coding	-0.07611528	0.15057152	-0.29233348	0.03930210	-0.02629079	0.89595019	-0.2444021	0.2913968	0.06867827	0.83123595	-0.04398421	-0.05032885	-0.0476489	0.74237287	
ENSG00000216044	4	17727255	17726287	NEL2	protein coding	-0.17662691	0.27626987	-0.26589918	0.05989491	-0.06854128	0.71418491	-0.14066346	0.57104416	-0.09683727	0.51818456	-0.04858908	0.02687451	-0.08856572	0.04079039	
ENSG00000210966	17	7477469	7487937	TMEM104	protein coding	-0.02795035	0.80362527	-0.03042473	0.8037029	-0.12845330	0.52938063	-0.04276321	0.6907979	-0.16484871	0.24307749	-0.04878736	0.02680447	-0.15820625	0.27201104	
ENSG00000233088	2	22184422	22194412	LPHF3	protein coding	-0.02787187	0.80979994	-0.11953116	0.84843782	-0.08867148	0.66006391	-0.06282186	0.74014943	-0.13311984	0.33731151	-0.06282186	0.74014943	-0.13311984	0.33731151	
ENSG00000211939	9	12850417	12854228	GLET1	protein coding	-0.00768287	0.94722042	-0.10652072	0.94825030	-0.02398983	0.13963326	-0.04747227	0.8147233	0.03972263	0.77567107	-0.02791234	0.0281509	-0.02312932	0.02354473	
ENSG00000278690	1	73131294	73131294	LINC01183	lincRNA	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	-0.24918231	0.00269713	-0.21819231	0.00269713	
ENSG00000216133	17	79181007	79197117	GOX1	protein coding	-0.26451944	0.00207368	-0.24344718	0.04880504	-0.26884055	0.17599692	-0.16205192	0.41921770	-0.23882869	0.08199508	-0.06079129	-0.3274849	-0.02354473	0.02354473	
ENSG00000225441	4	11236131	11237099	RTEL1P1	transcribed unprocessed pseudogene	-0.19577858	0.18181809	-0.27183271	0.05617472	-0.10397772	0.60814762	-0.04684491	0.63888716	-0.01102491	0.93877431	-0.04881753	-0.04248870	-0.24428108	0.08738859	
ENSG00000243806	9	9482981	9488864	RPL7P8	transcribed unprocessed pseudogene</															

ENSG00000118217	1	161766320	161964070	ATF6	protein coding	-0.179086174	0.119117748	-0.28786723	0.02628424	0.018934882	0.023155504	-0.23872659	0.23044605	-0.124461345	0.360882814	-0.445244125	0.03226044	0.158339005	0.272036889
ENSG00000169646	6	13874485	138789500	TNFR3	lncRNA	-0.062892413	-0.073524881	-0.29185227	0.00307260	0.040417616	0.786029259	-0.127112366	0.27509391	-0.07702627	0.156662241	-0.44530669	0.03226044	0.158339005	0.272036889
ENSG00000169646	186	13874485	138789500	TNFR3	lncRNA	-0.062892413	-0.073524881	-0.29185227	0.00307260	0.040417616	0.786029259	-0.127112366	0.27509391	-0.07702627	0.156662241	-0.44530669	0.03226044	0.158339005	0.272036889
ENSG00000225774	22	30425436	30430430	SIRPAP1	transcript processed pseudogene	-0.34449149	0.02212248	-0.35685939	0.00442270	0.064170044	0.41282807	-0.33566386	0.08862976	-0.27686151	0.02229292	0.03226044	0.158339005	0.272036889	
ENSG00000126883	1	13172588	131724663	NLR4	protein coding	-0.084633304	0.73363111	-0.31582372	0.00466979	0.046059979	0.84075914	-0.060410306	0.664313116	-0.445752249	0.03226044	0.158339005	0.272036889		
ENSG00000303397	78	7881426	7881426	7881426	transcript processed pseudogene	-0.084633304	0.73363111	-0.31582372	0.00466979	0.046059979	0.84075914	-0.060410306	0.664313116	-0.445752249	0.03226044	0.158339005	0.272036889		
ENSG00000244703	1	20764534	20764534	CD6AP1	unprocessed pseudogene	-0.23386220	0.01416298	-0.41772035	0.02641856	0.02645974	0.18618451	-0.48183581	0.03554838	0.03226044	0.158339005	0.272036889			
ENSG00000267015	1	2667881	2668070	AC01424.2	misc. RNA	-0.50311977	0.00605054	-0.38875359	0.00520180	0.00525474	0.77289217	-0.34461794	0.07835216	-0.23691356	0.00451849	-0.44610958	0.02641856	0.158339005	
ENSG00000169693	19	5601376	5601376	5601376	transcript processed pseudogene	-0.44268129	0.00605054	-0.38875359	0.00520180	0.00525474	0.77289217	-0.34461794	0.07835216	-0.23691356	0.00451849	-0.44610958	0.02641856	0.158339005	
ENSG00000105053	19	4976788	5005284	VRK3	protein coding	-0.40926133	0.00605054	-0.44748298	0.00384772	0.03818327	0.05058044	-0.37029182	0.05988438	-0.38507372	0.00451849	-0.44610958	0.02641856	0.158339005	
ENSG00000181788	3	13917415	13907874	SH2B3	protein coding	-0.05702844	0.02424441	-0.06517019	0.02624204	0.03814967	0.68740633	-0.07298806	0.16362424	0.08175361	0.07162710	-0.44649434	0.02641856	0.158339005	
ENSG00000100106	22	3769948	3777656	TM6SF1	protein coding	-0.12015118	0.02624441	-0.06517019	0.02624204	0.03814967	0.68740633	-0.07298806	0.16362424	0.08175361	0.07162710	-0.44649434	0.02641856	0.158339005	
ENSG00000118515	6	13419284	13431172	SOX1	protein coding	-0.32467897	0.03441441	-0.26132840	0.03441441	0.02625658	0.18533708	-0.08686371	0.08789928	-0.26728715	0.00711627	-0.44659749	0.02624441	0.158339005	
ENSG00000148883	4	13842698	13842698	AC03737.2	transcript processed pseudogene	-0.27081063	0.01371224	-0.33544487	0.01731198	0.00978639	0.67273358	-0.18433490	0.41274881	-0.10457127	0.45173268	-0.44649434	0.02624441	0.158339005	
ENSG00000105235	19	3506111	3508334	ZFR1	protein coding	-0.22154529	0.03751252	-0.19331749	0.01741310	0.02423281	0.30414477	-0.16264887	0.38196793	0.03879219	0.37895868	-0.44649434	0.02624441	0.158339005	
ENSG00000177076	6	1940039	1945200	ACER2	protein coding	-0.1823598	0.02625161	-0.19331749	0.01741310	0.02423281	0.30414477	-0.16264887	0.38196793	0.03879219	0.37895868	-0.44649434	0.02624441	0.158339005	
ENSG00000207075	6	6076969	6096444	AC11343.2	lncRNA	-0.22417977	-0.31068498	-0.27090767	0.00900222	0.00900222	0.05507247	-0.17748711	0.3735398	-0.10348905	0.44336644	-0.44644001	0.02624441	0.158339005	
ENSG00000113749	6	17568600	17571076	HR23	protein coding	-0.21968608	0.05363151	-0.20110788	0.04029889	0.20448118	0.28287045	-0.24078181	0.23833309	-0.16721449	0.23742383	-0.44679973	0.02624441	0.158339005	
ENSG00000119711	14	7456847	7460442	ALDH3A1	protein coding	-0.31903583	0.04958878	-0.32988415	0.01027486	0.02410844	0.1123448	-0.24011803	0.22730202	-0.30267553	0.02478154	-0.44681731	0.02624441	0.158339005	
ENSG00000169699	11	6776747	6770116	ZDHHC5	protein coding	-0.16091488	0.092671	-0.34705923	0.01032631	0.291566746	0.14747172	-0.30021885	0.12911131	-0.17136978	0.215966276	-0.44743434	0.02624441	0.158339005	
ENSG00000169594	14	9212181	9217243	CFDP1	protein coding	-0.08257837	0.04752133	-0.09588259	0.049577003	0.05008603	0.02360366	-0.23899259	0.22811326	-0.24077211	0.03409911	-0.44727711	0.02624441	0.158339005	
ENSG00000108930	20	2103331	2139882	XRN2	protein coding	-0.09617242	0.04053262	-0.25788651	0.07128878	0.15000588	0.44402057	-0.16012277	0.08373897	0.01220784	0.93018194	-0.44748881	0.02624441	0.158339005	
ENSG00000181175	3	9131853	9323469	HEPACAM2	protein coding	-0.12105118	0.026284174	-0.20011347	0.15349332	0.009293154	0.05313208	-0.01508951	0.19054644	0.03819277	0.19318971	-0.44748881	0.02624441	0.158339005	
ENSG00000121333	3	5283312	5289748	STAM2	protein coding	-0.13628858	0.2303671	-0.12015117	0.04502883	0.02500545	0.88888713	-0.22843515	0.24864753	-0.12495782	0.0321281	-0.44781782	0.02624441	0.158339005	
ENSG00000143190	1	16720276	16724748	POU1F1	protein coding	-0.18034444	0.18347521	-0.23422747	0.12028036	0.04384978	0.05781361	-0.08957408	0.02472694	-0.14488186	0.2854762	-0.44788512	0.02624441	0.158339005	
ENSG00000163554	1	19987104	19989741	SPTA1	protein coding	-0.18698718	0.010393924	-0.19789663	0.18899392	0.130426308	0.40734069	-0.09472341	0.07436454	-0.02947129	0.09249864	-0.44882741	0.02624441	0.158339005	
ENSG00000121060	17	5633837	5691480	TRIM25	protein coding	-0.2444682	0.04971628	-0.37254499	0.00712881	0.15329141	0.44546441	-0.28834524	0.14440521	-0.28625981	0.15429052	-0.44834541	0.02624441	0.158339005	
ENSG00000129521	14	3392427	3446274	ECLN3	protein coding	-0.36988418	0.01076934	-0.26988716	0.06202401	0.29537119	0.19145968	-0.09222404	0.8849378	-0.2738559	0.04010528	-0.4482698	0.02624441	0.158339005	
ENSG00000169693	19	6076969	6096444	AC11343.2	lncRNA	-0.22417977	-0.31068498	-0.27090767	0.00900222	0.00900222	0.05507247	-0.17748711	0.3735398	-0.10348905	0.44336644	-0.44644001	0.02624441	0.158339005	
ENSG00000113749	6	17568600	17571076	HR23	protein coding	-0.21968608	0.05363151	-0.20110788	0.04029889	0.20448118	0.28287045	-0.24078181	0.23833309	-0.16721449	0.23742383	-0.44679973	0.02624441	0.158339005	
ENSG00000119711	14	7456847	7460442	ALDH3A1	protein coding	-0.31903583	0.04958878	-0.32988415	0.01027486	0.02410844	0.1123448	-0.24011803	0.22730202	-0.30267553	0.02478154	-0.44681731	0.02624441	0.158339005	
ENSG00000169699	11	6776747	6770116	ZDHHC5	protein coding	-0.16091488	0.092671	-0.34705923	0.01032631	0.291566746	0.14747172	-0.30021885	0.12911131	-0.17136978	0.215966276	-0.44743434	0.02624441	0.158339005	
ENSG00000169594	14	9212181	9217243	CFDP1	protein coding	-0.08257837	0.04752133	-0.09588259	0.049577003	0.05008603	0.02360366	-0.23899259	0.22811326	-0.24077211	0.03409911	-0.44727711	0.02624441	0.158339005	
ENSG00000108930	20	2103331	2139882	XRN2	protein coding	-0.09617242	0.04053262	-0.25788651	0.07128878	0.15000588	0.44402057	-0.16012277	0.08373897	0.01220784	0.93018194	-0.44748881	0.02624441	0.158339005	
ENSG00000181175	3	9131853	9323469	HEPACAM2	protein coding	-0.12105118	0.026284174	-0.20011347	0.15349332	0.009293154	0.05313208	-0.01508951	0.19054644	0.03819277	0.19318971	-0.44748881	0.02624441	0.158339005	
ENSG00000121333	3	5283312	5289748	STAM2	protein coding	-0.13628858	0.2303671	-0.12015117	0.04502883	0.02500545	0.88888713	-0.22843515	0.24864753	-0.12495782	0.0321281	-0.44781782	0.02624441	0.158339005	
ENSG00000143190	1	16720276	16724748	POU1F1	protein coding	-0.18034444	0.18347521	-0.23422747	0.12028036	0.04384978	0.05781361	-0.08957408	0.02472694	-0.14488186	0.2854762	-0.44788512	0.02624441	0.158339005	
ENSG00000163554	1	19987104	19989741	SPTA1	protein coding	-0.18698718	0.010393924	-0.19789663	0.18899392	0.130426308	0.40734069	-0.09472341	0.07436454	-0.02947129	0.09249864	-0.44882741	0.02624441	0.158339005	
ENSG00000121060	17	5633837	5691480	TRIM25	protein coding	-0.2444682	0.04971628	-0.37254499	0.00712881	0.15329141	0.44546441	-0.28834524	0.14440521	-0.28625981	0.15429052	-0.44834541	0.02624441	0.158339005	
ENSG00000129521	14	3392427	3446274	ECLN3	protein coding	-0.36988418	0.01076934	-0.26988716	0.06202401	0.29537119	0.19145968	-0.09222404	0.8849378	-0.2738559	0.04010528	-0.4482698	0.02624441	0.158339005	
ENSG00000169693	19	6076969	6096444	AC11343.2	lncRNA	-0.22417977	-0.31068498	-0.27090767	0.00900222	0.00900222	0.05507247	-0.17748711	0.3735398	-0.10348905					

Table with 10 columns: Gene ID, Gene Name, Gene Type, Gene Description, and various numerical values. The table lists numerous genes such as DMNA1, CLIP1, CASP2, and many others, each associated with specific coordinates and values.

Table with columns for gene ID, gene name, protein name, and coordinates. The table lists numerous genes such as FBXL4, RRS, PIP, and many others, with their corresponding protein names and genomic coordinates.

Table with 10 columns: Gene ID, Gene Name, Feature, Start, End, Strand, RefSeq ID, RefSeq Name, RefSeq Description, RefSeq Accession. The table lists numerous genes and their associated features and coordinates.

Table with 15 columns: Gene ID, Ensembl ID, Gene Name, Type, Strand, Start, End, Score, and 10 numerical values. The table lists various genes such as ENDOG000155479, ENDOG000155480, ENDOG000155481, etc., with their corresponding genomic coordinates and scores.

ENSG00000171316	8	60678740	60688028	CHD7	protein_coding	-0.320707679	0.00448538	-0.570235956	1.54E-05	-0.277239788	0.161502901	-0.4330030914	0.02516637	-0.199683717	0.147691472	-0.748291999	4.02E-03	-0.316441101	0.025165001
ENSG00000169225	4	90501737	90980540	NRX	protein_coding	-0.407881758	0.040293608	-0.561842604	2.10E-03	-0.486174321	0.010123861	-0.363874819	0.04389352	-0.26985154	0.038381261	-0.753433171	3.35E-03	-0.244067174	0.009929624
ENSG00000007792	17	28914446	28845454	KIAA0100	protein_coding	-0.1507812461	0.19060853	-0.349567564	0.012727003	-0.184827235	0.354267143	0.090049885	0.647926889	-0.022347431	0.872664899	-0.753777303	3.29E-03	-0.231468855	0.105788459
ENSG00000127481	1	19074510	19210286	UBR4	protein_coding	-0.243040673	0.033185073	-0.430722209	0.001783571	-0.07443484	0.712138051	-0.049180594	0.807536947	-0.0779614	0.575243581	-0.756853894	2.91E-03	-0.285613213	0.043671138
ENSG00000088532	16	10444564	11621160	CLEC18A	protein_coding	-0.239631828	0.0368120173	-0.452698413	0.001024493	0.041099799	0.762885078	-0.141725189	0.480689102	-0.047285699	0.972840546	-0.796314848	2.01E-03	-0.299188411	0.034812013
ENSG00000175727	12	122078796	122147344	MAP3	protein_coding	-0.358798311	0.001446899	-0.381620916	0.004910727	-0.211504286	0.389578471	-0.090780767	0.855557428	-0.172449515	0.212414065	-0.771735986	1.61E-03	-0.489035458	0.000337788
ENSG00000125778	3	183487851	183565708	KHLL6	protein_coding	-0.400841827	0.000303189	-0.560290611	2.32E-03	-0.358897723	0.065997738	-0.366280986	0.068157298	-0.263867692	0.053858321	-0.795002854	5.61E-03	-0.446338407	0.001158308
ENSG00000089113	8	138454848	138571940	ST3GAL1	protein_coding	-0.312789861	0.00581144	-0.399345767	0.004065370	-0.075885389	0.766681377	0.012912054	0.849033456	-0.09457905	0.430175673	-0.809202981	2.94E-03	-0.411563495	0.002898377
ENSG00000065970	12	8032716	8055517	FOXJ2	protein_coding	-0.307656541	0.006518918	-0.561332861	2.53E-03	-0.175532117	0.381180164	-0.32360376	0.09844491	-0.162243441	0.241171904	-0.846974403	3.46E-03	-0.309705604	0.028625292

Supplemental Table 19. Gene Ontology (GO) pathway analysis of LINC01871 function.

Data Source:	SJD RNA-seq	SJD RNA-seq	SJD RNA-seq	lncRNA2function	GeneFriends	FuncPred	CRISPR LINC01871-1 vs Unedited	
Data Source Type:	Whole Blood RNA-seq data	Whole Blood RNA-seq data	Whole Blood RNA-seq data	database / web-based tool	database / web-based tool	database / web-based tool	RNA-seq data	
GO input qualifiers:	Any correl >+0.70 or <-0.60 in any of the correlation analyses	Any correl >+0.60 or <-0.50 in SJD-Ro-	Any correl >+0.70 or <-0.60 in SJD-Ro-	all significant values - data pull only	pathway analysis on top 1500	all significant values - data pull only	all DE genes	
No. of transcripts input:	534	1368	423	NaN	1500	NaN	1166	
No. of transcripts mapped:	370	961	229	NaN	735	NaN	900	
GO ID	GO biological process complete	No. genes in list:	GO P _{adj}	GO P _{adj}	GO P _{adj}	GO P _{adj}	GO P _{adj}	GO P _{adj}
GO:0044237	cellular metabolic process	7029	3.90E-08	3.32E-14	0.000158	-	-	0.00207
GO:0006807	nitrogen compound metabolic process	6360	4.93E-08	1.15E-12	2.63E-05	-	-	0.00152
GO:0002181	cytoplasmic translation	122	5.38E-08	-	-	-	-	-
GO:0044260	cellular macromolecule metabolic process	4442	6.95E-08	5.04E-10	0.000114	-	-	7.42E-10
GO:0043170	macromolecule metabolic process	5743	8.45E-08	2.01E-12	2.56E-05	-	-	1.48E-06
GO:0008152	metabolic process	7882	9.14E-07	8.16E-13	0.000622	-	-	1.52E-10
GO:0043604	amide biosynthetic process	500	9.22E-07	-	-	-	-	0.00624
GO:0043243	peptide biosynthetic process	388	1.02E-06	-	-	-	-	2.31E-07
GO:0034641	cellular nitrogen compound metabolic process	3193	2.28E-06	6.72E-06	0.0275	-	-	0.000443
GO:0044267	cellular protein metabolic process	3219	2.50E-06	4.73E-06	0.0126	-	-	0.0135
GO:0069255	regulation of macromolecule metabolic process	6063	4.78E-05	8.64E-13	2.44E-05	-	-	4.28E-08
GO:0048522	positive regulation of cellular process	6580	4.85E-05	1.07E-10	5.44E-05	1.31E-06	3.87E-09	4.05E-08
GO:0031323	regulation of cellular metabolic process	5928	4.86E-05	1.67E-12	7.85E-05	-	-	0.00276
GO:1901564	organonitrogen compound metabolic process	4787	7.76E-05	9.79E-06	0.0347	-	-	7.94E-10
GO:0019222	regulation of metabolic process	6586	0.000127	8.82E-13	7.22E-05	-	-	0.0045
GO:0048518	positive regulation of biological process	6062	0.000165	1.13E-10	8.05E-05	8.82E-12	5.90E-12	4.01E-08
GO:0010604	positive regulation of macromolecule metabolic process	3362	0.000186	2.40E-13	0.000107	-	-	0.00126
GO:0051171	regulation of nitrogen compound metabolic process	5537	0.00019	7.24E-12	0.000107	-	-	0.000528
GO:0008993	positive regulation of metabolic process	3675	0.000684	2.87E-13	0.000207	-	-	-
GO:0051173	positive regulation of nitrogen compound metabolic process	2992	0.00226	2.21E-13	0.000231	-	-	-
GO:0031325	positive regulation of cellular metabolic process	3186	0.00261	1.09E-12	0.000301	-	-	0.00122
GO:0007346	regulation of mitotic cell cycle	433	0.0199	-	0.0329	-	-	7.08E-09
GO:0008150	biological process	17698	-	1.01E-06	-	-	-	3.64E-09
GO:0050794	regulation of cellular process	11076	-	3.00E-07	0.0303	1.45E-14	3.36E-07	1.12E-09
GO:0048583	regulation of response to stimulus	3805	-	-	-	9.56E-25	4.20E-37	0.0028
GO:0002376	immune system process	2533	-	-	-	7.71E-39	4.71E-93	0.0145
GO:0006955	immune response	1863	-	-	-	1.80E-30	5.79E-84	0.0342
GO:0042981	regulation of apoptotic process	1426	-	0.0481	-	-	-	8.37E-10
GO:0002682	regulation of immune system process	1418	-	-	-	7.22E-33	2.37E-61	0.0367
GO:0080134	regulation of response to stress	1240	-	0.00266	-	1.82E-03	1.58E-10	3.60E-02
GO:0049699	generation of neurons	1237	-	-	-	-	-	2.76E-08
GO:0007186	G protein-coupled receptor signaling pathway	1216	-	0.0225	-	-	-	3.73E-10
GO:0006952	defense response	1212	-	-	-	6.67E-20	3.40E-54	0.0149
GO:0050776	regulation of immune response	1029	-	-	-	4.20E-26	1.45E-46	0.0147
GO:0002684	positive regulation of immune system process	898	-	-	-	2.85E-27	2.95E-42	0.0388
GO:0030334	regulation of cell migration	894	-	-	-	-	-	5.18E-10
GO:0001775	cell activation	625	-	0.0141	-	4.51E-25	4.93E-54	-
GO:0045321	leukocyte activation	505	-	6.66E-03	-	2.04E-27	2.35E-54	0.00255
GO:0051249	regulation of lymphocyte activation	475	-	-	-	2.01E-24	2.40E-26	-
GO:0046649	lymphocyte activation	400	-	6.33E-03	-	7.90E-29	2.69E-38	-
GO:0032649	regulation of interferon-gamma production	95	-	-	-	2.16E-10	5.25E-07	3.60E-02
GO:2000106	regulation of leukocyte apoptotic process	83	-	-	-	-	-	3.70E-02
GO:0097028	dendritic cell differentiation	32	-	-	-	-	-	3.60E-02
GO:0035872	nucleotide-binding domain, leucine rich repeat containing receptor signaling pathway	30	-	-	-	-	-	3.70E-02
GO:0002294	CD4-positive, alpha-beta T cell differentiation involved in immune response	25	-	-	-	-	-	3.70E-02
GO:0042093	T-helper cell differentiation	25	-	-	-	-	-	3.70E-02
GO:0001773	myeloid dendritic cell activation	24	-	-	-	-	-	3.60E-02
GO:0050855	regulation of B cell receptor signaling pathway	20	-	-	-	-	-	3.70E-02
GO:0086543	detection of other organism	16	-	-	-	1.76E-02	3.70E-02	-

Supplemental Table 20. Guides used to target the gene LINC01871 in HSB-2 cells

Guide Name	Chr2:LINC01871	Selected Guides	Strand
g501-LINC01871_chr2_7725062	7725062-7725084	ATAGCTCGCTGTACAGGCTA AGC (+)	
g503-LINC01871_chr2_7725791	7725791-7725813	GTGTGGTGCTTCATAAGATG GGC (+)	
g506-LINC01871_chr2_7730101	7730101-7730123	GCTGACTACTTCATATGAGA AGG (+)	
g507-LINC01871_chr2_7730700	7730700-7730678	GCATCTCATTTAATTAGAAA TGG (-)	

Footnote:

Cas9 enzyme PAM sequence (NGG) is indicated in bold.

Supplemental Table 21. Primers used to validate LINC01871 deletion in CRISPR-edited HSB-2 cells using PCR amplification

Target	New Target	Forward Sequence (5'-3' seq)
F1	F1	TACACCACACGACGGCCTAT
R1	R1	CTGTGCTATTACTTTTCGTTGGGT
F2	F2	AACATCTCAAACCTGGCTATGGATT
Alt2-R2	R2	ACAACACATGCTACTCCCTGAAGC
F1 Primer	F3	TGAGAACAGCTGGCTTAAAGAGATTA
AltR2	R3	CCATGAAGTTAGACCCATCCACC

Supplemental Table 22: Guides used to protect the area of modification in LINC01871-/- cells for Cas-mediated PCR-free enrichment for Nanopore sequencing

Guide Name	Chr2:	Selected Guides	Strand
A1-chr2:7722367-(+)	7722367-7722389	CCATCAAGTGGAAACATGTTT CGG	(+)
A2-chr2:7723198-(+)	7723198-7723220	AACAATCCAAGCGCTAAGCT AGG	(+)
B1-chr2:7732411-(-)	7732411-7732389	CTGTTCTCGCAAATCCACAG GG	(-)
B2-chr2:7732727-(-)	7732727-7732705	CACGTCTTACCTGAGAACTA AGG	(-)

Footnote:

Cas9 enzyme PAM sequence (NGG) is indicated in bold.

Supplemental Table 23. RNA-seq analysis of the LINC01871-/- CRISPR-edited single cell HSB-2 clone compared to unmodified HSB-2 parental cell line

Ensembl_ID	Gene_ID	Chr	hg38bp_Start	hg38bp_End	Strand	Gene	Gene_Biotype	baseMean	log2FoldChange	FC	FC.True	IFSe	stat	pvalue	padj
ENSG00000130600	11	1995163	2001470	-	H9	processed_transcript	494.80205	-12.50351322	0.000172214	<1/2	1.182459602	-10.57415679	3.93E-26	3.04E-24	
ENSG00000141753	17	40443651	40457731	-	H9	protein_coding	1757.5893	-12.47668307	0.000172214	<1/2	1.022805151	-12.19751685	3.20E-34	3.61E-32	
ENSG00000128300	22	37028822	37028822	+	MFST	protein_coding	148.63669	-10.7661833	0.000529777	<1/2	1.18831796	-9.06169181	1.29E-19	6.79E-18	
ENSG00000204644	6	29672392	29681110	-	ZFP57	protein_coding	119.47337	-10.45278837	0.000713505	<1/2	1.191269757	-8.774493195	1.72E-18	8.34E-17	
ENSG00000254087	8	55879813	56014168	+	LYN	protein_coding	114.68254	-10.39180815	0.00074431	<1/2	1.190760755	-8.22032788	2.61E-18	1.24E-16	
ENSG00000167900	17	7814705	78187233	-	TK1	protein_coding	198.08674	-10.21962954	0.000838658	<1/2	1.186982275	-8.609757503	7.32E-18	3.34E-16	
ENSG00000124780	6	39299001	39314553	-	KCNK17	protein_coding	92.251019	-10.0767748	0.000925952	<1/2	1.19387609	-8.440385804	3.16E-17	1.36E-15	
ENSG00000178538	8	60187347	60281412	-	CA8	protein_coding	177.05427	-10.05494759	0.000940068	<1/2	1.186777889	-8.472467447	2.40E-17	1.04E-15	
ENSG00000120675	13	43023203	43114224	+	DNAJC15	protein_coding	88.392448	-10.02189954	0.000961851	<1/2	1.195143101	-8.255822647	5.05E-17	2.11E-15	
ENSG00000148600	10	84194635	84219621	+	CDHR1	protein_coding	77.779407	-9.832933739	0.001096458	<1/2	1.196141527	-8.220543736	2.03E-16	8.09E-15	
ENSG00000103175	16	84294646	84329851	+	WFDC1	protein_coding	77.590421	-9.82946395	0.001099035	<1/2	1.19608789	-8.218080357	2.07E-16	8.24E-15	
ENSG00000197128	19	57466663	57477570	-	ZNF772	protein_coding	71.827051	-9.721918991	0.001184161	<1/2	1.198304526	-8.11362065	9.94E-16	1.91E-14	
ENSG00000156535	6	73695785	73698316	+	CD109	protein_coding	71.463742	-9.707318343	0.001186206	<1/2	1.197918774	-8.103486276	5.34E-16	2.05E-14	
ENSG00000225431	21	42599280	42615058	-	LINC01671	lincRNA	71.225639	-9.70664837	0.001196763	<1/2	1.197745753	-8.100962228	5.31E-16	2.05E-14	
ENSG00000081665	19	19785839	19821751	-	ZNF506	protein_coding	132.47751	-9.633226005	0.001259244	<1/2	1.190129151	-8.094269333	5.76E-16	2.21E-14	
ENSG00000067840	X	153802166	153830565	-	PZD2A	protein_coding	66.182367	-9.597658298	0.001290675	<1/2	1.199686734	-8.000137056	1.24E-15	4.64E-14	
ENSG00000148426	10	11823339	11827727	+	PROSER2	protein_coding	63.963606	-9.552052418	0.001331712	<1/2	1.200427266	-7.957283737	1.76E-15	6.46E-14	
ENSG00000185101	11	417933	442011	-	ANO9	protein_coding	56.224026	-9.357248175	0.001524711	<1/2	1.206725209	-7.574249534	8.89E-15	3.05E-13	
ENSG00000056736	3	53846580	53865800	+	IL17R8	protein_coding	50.632994	-9.323951457	0.00156031	<1/2	1.192424156	-7.819234533	5.31E-15	1.87E-13	
ENSG00000100473	14	30874514	30895065	+	COCH	protein_coding	115.02549	-9.220487511	0.001676319	<1/2	1.20536592	-7.649533924	2.02E-14	6.77E-13	
ENSG00000159640	17	63477061	63498380	+	ACE	protein_coding	50.41916	-9.20068789	0.001699274	<1/2	1.20725374	-7.621183974	2.51E-14	8.30E-13	
ENSG00000105469	7	87346881	87399795	+	CRDT	protein_coding	49.205682	-9.174084634	0.001731113	<1/2	1.208300755	-7.608166137	2.78E-14	9.12E-13	
ENSG00000103073	17	78187317	78207701	+	AFMID	protein_coding	48.535339	-9.15046338	0.00179698	<1/2	1.200181888	-7.57726881	3.96E-14	1.09E-12	
ENSG00000148288	9	13315298	13316345	+	GBG11	protein_coding	48.067406	-9.142396785	0.001769556	<1/2	1.207425295	-7.57170058	3.68E-14	1.18E-12	
ENSG00000162430	1	25800176	25812224	+	SELENON1	protein_coding	48.138952	-9.10555449	0.001771816	<1/2	1.206215661	-7.5778274	3.51E-14	1.13E-12	
ENSG00000117519	1	94899649	94927278	-	CNN3	protein_coding	43.695835	-9.004531779	0.001946999	<1/2	1.20966617	-7.443813403	9.78E-14	3.05E-12	
ENSG00000070018	12	11216025	11227012	-	LRP6	protein_coding	44.024324	-9.00415667	0.001947506	<1/2	1.211051953	-7.434987943	1.05E-13	3.25E-12	
ENSG00000188522	17	18968789	19004804	-	FAM83G	protein_coding	43.640928	-8.99991284	0.001953317	<1/2	1.209004337	-7.44413482	9.76E-14	3.04E-12	
ENSG00000167654	19	3879864	3928079	+	ATCAY	protein_coding	41.484614	-8.926071286	0.002055819	<1/2	1.210979587	-7.370951075	1.69E-13	5.13E-12	
ENSG00000108252	14	102932739	103057472	-	CDC422BP	protein_coding	77.314528	-8.857710448	0.002155577	<1/2	1.196557323	-7.402266284	1.33E-13	4.11E-12	
ENSG00000098774	17	63423204	63446378	-	CVB5B1	protein_coding	37.965385	-8.79356187	0.002253586	<1/2	1.217889927	-7.220342429	1.59E-13	1.48E-11	
ENSG00000080561	17	68101808	68115158	+	LINC00674	transcribed_unprocessed_pseudogene	37.379366	-8.789301	0.002274329	<1/2	1.21232886	-7.23693018	9.96E-13	1.42E-11	
ENSG00000137074	1	23840790	238416861	-	TRIM17	protein_coding	36.02529	-8.72320112	0.002366207	<1/2	1.21693577	-7.168174728	7.60E-13	2.14E-11	
ENSG00000130709	9	13044499	130541274	+	ASS1	protein_coding	67.758051	-8.674442513	0.002474575	<1/2	1.200205282	-7.227465705	4.92E-13	1.42E-11	
ENSG00000277476	17	68133201	68135935	+	ACD05332.8	lincRNA	33.67474	-8.62800853	0.002527613	<1/2	1.218258295	-7.08248951	1.42E-12	3.84E-11	
ENSG00000067116	X	133300103	133415490	-	GPC4	protein_coding	33.749292	-8.626564773	0.002530144	<1/2	1.217584392	-7.084983423	1.39E-12	3.77E-11	
ENSG00000198865	4	42756801	42802360	+	CCDC152	protein_coding	32.916821	-8.58888925	0.002597088	<1/2	1.219045953	-7.045582842	1.85E-12	4.96E-11	
ENSG00000151519	2	156435290	156613735	+	GP2D	protein_coding	32.343268	-8.560175723	0.002649295	<1/2	1.222664631	-7.001245887	2.54E-12	6.70E-11	
ENSG00000198521	19	12180499	121852125	-	ZNF43	protein_coding	61.668024	-8.529459254	0.002706306	<1/2	1.20669763	-7.103917763	1.21E-12	3.32E-11	
ENSG00000121742	13	20221971	20232395	-	GJB6	protein_coding	31.324821	-8.526115846	0.002712585	<1/2	1.221803998	-6.998230824	2.99E-12	7.82E-11	
ENSG00000121931	1	110947185	11096479	-	LRP1	protein_coding	61.029378	-8.515136126	0.002733308	<1/2	1.200718477	-7.091700754	1.32E-12	3.60E-11	
ENSG00000080561	11	107825755	107921793	+	MI02	protein_coding	29.729227	-8.443617305	0.002872221	<1/2	1.22279968	-6.905699798	5.00E-12	1.28E-10	
ADSG0000014826	16	103046068	10307397	+	ADM	protein_coding	28.82422	-8.375704548	0.003010688	<1/2	1.22859577	-6.817295817	3.28E-12	9.26E-10	
ENSG00000005189	16	20806429	20894668	+	REXOS	protein_coding	28.09448	-8.351042985	0.003062567	<1/2	1.22966715	-6.791322003	1.11E-11	2.78E-10	
ENSG00000143891	2	38659130	38741237	+	GALM	protein_coding	27.359437	-8.33295725	0.003101201	<1/2	1.23409598	-6.752278016	1.46E-11	3.59E-10	
ENSG00000151116	11	18529609	18588747	-	UEVLD	protein_coding	25.828799	-8.244942364	0.003296287	<1/2	1.229298908	-6.70728133	1.99E-11	4.83E-10	
ENSG00000179604	17	73283624	73311175	-	CDC42EP4	protein_coding	25.459036	-8.224806177	0.003342617	<1/2	1.234901393	-6.660284162	2.73E-11	6.53E-10	
ENSG00000198208	14	74903594	74923396	-	RP56K15	protein_coding	48.736731	-8.189675072	0.003425012	<1/2	1.20630095	-6.789081176	1.13E-11	2.82E-10	
ENSG00000170190	17	75087727	75106162	+	SLC16A5	protein_coding	24.218763	-8.152936935	0.00351335	<1/2	1.233159493	-6.611421298	3.81E-11	8.94E-10	
ENSG00000096696	6	7541575	7586717	+	DSP	protein_coding	87.680568	-8.146276992	0.003529606	<1/2	1.03912617	-7.839542226	4.52E-15	1.60E-13	
ENSG00000266524	10	47300386	47313547	+	GDF10	protein_coding	46.621829	-8.13069561	0.00356874	<1/2	1.207400581	-6.73779735	1.65E-11	4.06E-10	
ENSG00000158765	1	109656081	109674836	+	GSTM4	protein_coding	23.87956	-8.12834707	0.00357376	<1/2	1.235430643	-6.573958989	4.72E-11	1.10E-09	
ENSG00000278730	17	68123666	68125858	+	ACD0533.9	lincRNA	24.81713	-8.12802715	0.003574532	<1/2	1.22859577	-6.817295817	3.28E-12	9.26E-10	
ENSG00000005189	16	20806429	20894668	+	REXOS	protein_coding	28.09448	-8.351042985	0.003062567	<1/2	1.22966715	-6.791322003	1.11E-11	2.78E-10	
ENSG00000143891	2	38659130	38741237	+	GALM	protein_coding	27.359437	-8.33295725	0.003101201	<1/2	1.23409598	-6.752278016	1.46E-11	3.59E-10	
ENSG00000151116	11	18529609	18588747	-	UEVLD	protein_coding	25.828799	-8.244942364	0.003296287	<1/2	1.229298908	-6.70728133	1.99E-11	4.83E-10	
ENSG00000179604	17	73283624	73311175	-	CDC42EP4	protein_coding	25.459036	-8.224806177	0.003342617	<1/2	1.234901393	-6.660284162	2.73E-11	6.53E-10	
ENSG00000198208	14	74903594	74923396	-	RP56K15	protein_coding	48.736731	-8.189675072	0.003425012	<1/2	1.20630095	-6.789081176	1.13E-11	2.82E-	

ENSG00000161055	5	180590103	180591540	-	SCGB3A1	protein coding	10.046752	-6.86775364	0.008562481	-1/2	1.31316351	-5.22993254	1.70E-07	2.42E-06
ENSG00000188321	19	9323772	9351162	+	ZNF559	protein coding	19.684854	-6.86767442	0.008562944	-1/2	1.248044652	-5.502749785	3.74E-08	5.89E-07
ENSG00000179390	5	102233986	102296549	-	SILCO4C1	protein coding	9.7750051	-6.844106266	0.008703997	-1/2	1.308210449	-5.231655406	1.68E-07	2.40E-06
ENSG00000173334	8	125430321	125438405	+	TRIB1	protein coding	9.8173052	-6.838991600	0.008735245	-1/2	1.315849591	-5.197368742	2.02E-07	2.85E-06
ENSG0000019438	22	48498460	48605912	+	FAM19A5	protein coding	16.949889	-6.83702963	0.008746533	-1/2	0.615789673	-11.10293541	1.21E-08	1.07E-26
ENSG00000274561	17	68131462	68313907	+	AC05332.6	lincRNA	9.6747918	-6.823709411	0.008872683	-1/2	1.311696105	-5.16287208	2.43E-07	3.39E-06
ENSG00000183066	22	4198725	42058456	+	WBP2N1	protein coding	9.6724086	-6.817248491	0.008867551	-1/2	1.311071498	-5.19953411	2.00E-07	2.82E-06
ENSG00000099958	22	23834503	23839128	-	DERL3	protein coding	9.9493333	-6.783641537	0.009076542	-1/2	1.313688283	-4.936183686	2.42E-07	3.38E-06
ENSG00000170464	5	139408588	139444991	-	DNAJC18	protein coding	34.229151	-6.778357472	0.009109847	-1/2	1.065442039	-6.362014282	1.99E-10	4.28E-09
ENSG00000158321	7	69598919	6979068	+	AUTS2	protein coding	51.240295	-6.776816718	0.009195811	-1/2	0.87504342	-7.744549806	9.59E-15	3.29E-13
ENSG00000234965	22	41990554	41914667	+	SHISA8	protein coding	8.9908457	-6.715206686	0.009517467	-1/2	1.32827057	-5.05576811	4.29E-07	5.76E-06
ENSG00000121903	1	33472645	3346507	+	ZSCAN20	protein coding	17.56749	-6.696905081	0.009638971	-1/2	1.2586068	-7.50014744	1.03E-07	1.53E-06
ENSG00000168453	8	22114415	22133384	-	HR	protein coding	76.943219	-6.626260546	0.01012271	-1/2	0.678760444	-9.762296263	1.63E-22	1.07E-20
ENSG00000188511	22	49414524	49657542	+	C22orf34	lincRNA	16.629726	-6.624492112	0.010135126	-1/2	1.257499604	-6.26798734	1.38E-07	2.00E-06
ENSG00000178202	11	108472105	108498432	-	KDEL2	protein coding	27.65658	-6.623539211	0.010418323	-1/2	0.36267235	-18.26542128	1.56E-74	6.61E-72
ENSG00000119411	9	113349544	113371233	-	BSFRY	protein coding	44.625839	-6.579801097	0.010454	-1/2	0.878429449	-7.490414974	6.87E-14	2.16E-12
ENSG00000188883	7	139452690	139483117	-	KLKG2	protein coding	8.1395241	-6.565300599	0.010559603	-1/2	1.337076293	-9.191019461	9.10E-07	1.16E-05
ENSG00000101198	20	63240784	63272694	-	NKAINA4	protein coding	15.916891	-6.56372814	0.010571119	-1/2	1.292924728	-5.21225538	1.87E-07	2.64E-06
ENSG00000184497	13	113759240	113816995	+	TMEM255B	protein coding	7.7435309	-6.512738237	0.01095142	-1/2	1.344146061	-4.845260813	1.26E-06	1.58E-05
ENSG00000155980	12	57549998	57586632	+	KIF5A	protein coding	15.217694	-6.504038487	0.011076599	-1/2	1.264971414	-5.164148589	2.72E-07	3.77E-06
ENSG00000100234	22	32801701	32863043	+	TIMP3	protein coding	7.8174997	-6.500488992	0.01104799	-1/2	1.361383727	-4.774913101	1.80E-06	2.19E-05
ENSG00000186831	17	14826861	1841348	+	KRT17P2	transcribed unprocessed pseudogene	7.6809922	-6.492359168	0.01107214	-1/2	1.346666714	-4.821060533	1.43E-06	1.77E-05
ENSG0000017432	4	88695915	88698235	-	NAP1L5	protein coding	15.012065	-6.479637422	0.011205591	-1/2	1.267242507	-5.118077823	3.17E-07	4.34E-06
ENSG00000133789	11	9664077	9752991	+	SWAP70	protein coding	14.866771	-6.471194133	0.011271364	-1/2	1.265837018	-5.11218588	3.18E-07	4.36E-06
ENSG00000142100	X	74423461	74123971	+	ADORA3	protein coding	26.69475	-6.43004448	0.011397949	-1/2	1.083344491	-5.993994219	2.96E-09	5.43E-08
ENSG00000185933	10	10345387	10345888	-	CALHM1	protein coding	7.302444	-6.413887444	0.011270958	-1/2	1.368388022	-4.59207397	4.39E-06	4.47E-05
ENSG00000165655	10	75397830	75401906	-	ZNF503	protein coding	7.2325106	-6.407806642	0.011777637	-1/2	1.354742056	-4.779909	2.25E-06	2.68E-05
ENSG00000105854	7	95404863	95435329	-	PON2	protein coding	7.2076585	-6.391381598	0.011912482	-1/2	1.354412098	-4.718934219	2.37E-06	2.82E-05
ENSG00000159885	19	44025342	44033112	+	ZNF222	protein coding	13.770762	-6.367410483	0.012112072	-1/2	1.279945693	-4.974750507	6.53E-07	8.53E-06
ENSG00000163909	1	39624153	3963945	+	HEYL	protein coding	13.769131	-6.362239529	0.012155563	-1/2	1.271474927	-5.00382182	5.62E-07	7.42E-06
ENSG0000010278	12	6199715	6238271	+	CD9	protein coding	37.841935	-6.340403628	0.012340942	-1/2	0.88332399	-7.177891534	7.08E-13	2.01E-11
ENSG00000267374	18	39206924	39800318	-	AC016205.1	lincRNA	6.9533597	-6.3498733	0.012387361	-1/2	1.369790048	-4.624787091	3.75E-06	4.31E-05
ENSG0000007372	11	31784779	31810622	-	PAX6	protein coding	6.7944287	-6.308228697	0.012619262	-1/2	1.362901617	-4.62852895	3.68E-06	4.23E-05
ENSG00000188574	11	76196325	76210736	-	WNT11	protein coding	13.252123	-6.30796056	0.012674204	-1/2	1.271079242	-4.934616815	8.03E-07	1.03E-05
ENSG00000147100	X	74423461	74123971	+	SLOC6A2	protein coding	6.274058	-6.199014877	0.01289309	-1/2	1.084595177	-5.78382369	7.31E-09	1.27E-07
ENSG00000100495	17	49990005	49995224	-	DLX3	protein coding	6.6114546	-6.284645844	0.012836107	-1/2	1.368388022	-4.59207397	4.39E-06	4.47E-05
ENSG00000231317	7	55656768	55768490	-	AC091812.1	unprocessed pseudogene	6.6349145	-6.272560489	0.01293514	-1/2	1.3688379	-4.88240057	4.60E-06	5.19E-05
ENSG00000076864	1	21596215	21669361	-	RAP1GAP	protein coding	60.169405	-6.269291245	0.012964485	-1/2	0.68671981	-9.168357228	6.94E-20	3.76E-18
ENSG00000102636	7	98617297	98629868	+	NPTX2	protein coding	23.85768	-6.251548888	0.013124908	-1/2	1.083743505	-5.768476454	8.00E-09	1.39E-07
ENSG00000188389	21	24184981	24185800	-	PDCD1	protein coding	12.677442	-6.24321872	0.013200911	-1/2	1.279687951	-4.878703997	1.07E-06	1.35E-05
ENSG00000185513	20	43507680	43509590	-	L3MBTL1	protein coding	23.448159	-6.231812909	0.01330569	-1/2	1.087521165	-5.70191153	1.00E-08	1.72E-07
ENSG00000145358	4	100185870	100190782	-	DDIT4L	protein coding	6.3924137	-6.23024339	0.013320173	-1/2	1.378065221	-4.521023056	6.15E-06	6.80E-05
ENSG00000261654	1	110936369	110942353	-	AL360270.2	sense overlapping	6.4399166	-6.219213008	0.013422405	-1/2	1.400836844	-4.936411229	9.91E-06	9.64E-05
ENSG00000188112	6	42101118	42142619	-	C6orf132	protein coding	12.370975	-6.211375582	0.01349552	-1/2	1.286339912	-4.828747272	1.37E-06	1.71E-05
ENSG00000205089	5	132747445	132754403	+	CCN12	protein coding	6.274058	-6.199014877	0.013611647	-1/2	1.376499168	-5.393395653	6.68E-06	7.33E-05
ENSG00000157933	8	25173091	26189664	+	GAR3E2	protein coding	68.308419	-6.183503202	0.013615674	-1/2	1.368388022	-4.59207397	4.39E-06	4.47E-05
ENSG00000233056	21	42918063	42925646	-	ERVH48.1	lincRNA	22.590031	-6.183638616	0.013757493	-1/2	1.090665994	-5.67795163	1.36E-08	2.30E-07
ENSG00000261183	15	40835808	40844387	-	SPINT1-AS1	antisense RNA	5.9928214	-6.145320138	0.014127792	-1/2	1.396016794	-4.402038832	1.07E-05	0.00012558
ENSG00000072682	5	132191838	132293515	-	P4HA2	protein coding	43.892145	-6.127959134	0.014298878	-1/2	0.77340114	-7.924009221	2.30E-15	8.32E-14
ENSG00000139193	12	6444867	6451718	+	CD27	protein coding	6.010826	-6.127907337	0.014299343	-1/2	1.396834304	-4.869969595	1.15E-05	0.000120253
ENSG00000275620	20	62353978	62361615	+	FU116779	antisense RNA	53.839904	-6.114746739	0.014430382	-1/2	1.405097045	-4.351832324	1.35E-05	0.000138577
ENSG00000123836	1	207034366	207081024	+	PKFB2	protein coding	75.497943	-6.102414063	0.014554266	-1/2	0.585136814	-10.42903798	1.83E-25	1.37E-23
ENSG00000182515	14	103123442	103173439	+	TNFAIP2	protein coding	11.572599	-6.100281208	0.014575999	-1/2	1.30570293	-4.67208627	2.98E-06	3.49E-05
ENSG00000105674	1	92029982	92063536	+	EPHX4	protein coding	11.502437	-6.09690365	0.014684018	-1/2	1.288351485	-4.702667764	2.28E-06	2.72E-05
ENSG00000100436	16	30096430	30104116	+	AC12645.1	antisense RNA	105.58532	-6.07370032	0.014809923	-1/2	0.451189628	-12.37275725	3.67E-35	4.96E-33
ENSG00000144077	8	78666047	78719765	+	ZCNC1A	protein coding	5.7876985	-6.070396882	0.01484157	-1/2	1.368388022	-4.94936489	1.37E-05	0.000138883
ENSG00000185920	9	95424980	95517057	+	PTCH1	protein coding	62.579027	-6.065701079	0.014979335	-1/2	0.633319758	-9.571317871	1.06E-21	6.55E-20
ENSG00000099256	10	24848607	24952604	-	PRTFDC1	protein coding	11.275187	-6.057078732	0.015018882	-1/2	1.292693695	-4.685262568	2.79E-06	3.28E-05
ENSG00000196678	16	20780193	20900349	-	ER12	protein coding	51.950512	-6.04527221	0.015142296	-1/2	0.695919307	-8.686743509	3.73E-18	1.76E-16
ENSG00000154252	2	241776825	241840208	+	GAL3ST2	protein coding	5.5465307	-						

ENSG00000174938	16	29871159	29899547	-	SEZGL2	protein_coding	20.662077	-5.458367013	0.02274405	-1/2	0.92228869	-5.918284674	3.25E-09	5.93E-08
ENSG00000240771	12	57610180	57619379	+	ARHGFE25	protein_coding	3.694111	-5.444380482	0.02296562	-1/2	1.51782203	-3.586968943	0.000334544	0.002474207
ENSG00000186318	11	117285207	117316259	-	BACE1	protein_coding	41.038962	-5.439882761	0.023037329	-1/2	0.65052119	-8.304895843	9.99E-17	4.07E-15
ENSG00000089750	X	55717739	55758774	+	RRAGB	protein_coding	3.591009	-5.412322255	0.02348149	-1/2	1.51912608	-3.56279306	0.00056693	0.002866631
ENSG00000140022	14	81260656	81264465	+	STON2	protein_coding	40.146888	-5.415482849	0.02348719	-1/2	0.66041507	-8.19863555	2.43E-16	9.46E-13
ENSG00000179580	16	1966823	1968975	+	RNF151	protein_coding	3.4457074	-5.369155791	0.02419457	-1/2	1.60420195	-3.346932082	0.00081712	0.002574554
ENSG00000159445	1	151375834	151900808	+	THEM4	protein_coding	3.5278849	-5.352060355	0.024483263	-1/2	1.533709085	-3.489618995	0.00048371	0.003409956
ENSG00000162738	1	160400586	160428678	+	VANGL2	protein_coding	51.390641	-5.343734488	0.024624965	-1/2	0.573558423	-9.318093721	1.20E-20	6.93E-19
ENSG00000166169	10	101578882	101588270	+	POLL	protein_coding	6.9356289	-5.343207911	0.024633955	-1/2	1.356615822	-3.938630099	8.19E-05	0.00070544
ENSG00000237513	7	104941063	104962334	+	AC007384.1	lincRNA	3.4555298	-5.34210866	0.024652732	-1/2	1.518295876	-3.51848987	0.00043401	0.000390805
ENSG00000155324	5	12631032	126496494	+	GRAMD2B	protein_coding	19.347421	-5.341919291	0.024655968	-1/2	0.928821958	-5.75128455	8.86E-09	1.53E-07
ENSG00000170558	18	27590966	28717446	+	CDH2	protein_coding	18.887563	-5.329198988	0.024874322	-1/2	0.935148015	-5.80775921	1.21E-08	2.05E-07
ENSG00000170035	2	180967248	181076585	+	UBE2E3	protein_coding	3.980002	-5.31976778	0.025037463	-1/2	1.525820704	-3.486495999	0.000489393	0.00341037
ENSG00000276547	5	141397987	141512979	+	PCDHG85	protein_coding	3.417266	-5.314888748	0.025130989	-1/2	1.593977771	-3.334125252	0.00085568	0.00594154
ENSG00000061676	12	18299115	183038858	+	NCKAP1	protein_coding	25.281166	-5.31064939	0.025139425	-1/2	0.804771442	-6.599419513	4.13E-11	9.63E-10
ENSG00000197472	1	246945547	247008093	+	ZNF695	protein_coding	31.223565	-5.306341305	0.025241168	-1/2	0.722644891	-7.338996171	2.15E-13	6.44E-12
ENSG00000191444	11	118606440	118658038	+	PHLDB1	protein_coding	24.829639	-5.29192324	0.025254243	-1/2	0.807244874	-6.55878279	5.54E-11	1.28E-09
ENSG00000128591	7	12880377	128825724	+	FLNC	protein_coding	92.724936	-5.287813033	0.025258214	-1/2	0.918588647	-12.63248078	1.40E-36	1.78E-34
ENSG00000227051	14	96039324	96093889	+	C14orf132	protein_coding	18.582661	-5.276789584	0.025794556	-1/2	0.930028549	-4.21282828	1.40E-08	2.35E-07
ENSG00000267521	17	76957023	76958222	+	AC016168.1	lincRNA	3.3118499	-5.26308893	0.026040682	-1/2	1.547673195	-3.400664764	0.00067268	0.00452484
ENSG00000179241	11	35943981	36232136	+	LDRAD3	protein_coding	3.258835	-5.259128621	0.026112264	-1/2	1.537180329	-4.21282828	0.00062365	0.00452091
ENSG00000266538	17	15530773	15531089	+	AC005838.2	lincRNA	18.315047	-5.258690566	0.026212094	-1/2	0.969610799	-5.4230666	5.84E-08	8.95E-07
ENSG00000172322	12	9951316	9955694	+	C12C12A	protein_coding	6.4524677	-5.248203636	0.026310753	-1/2	1.378019521	-3.808511827	0.000139806	0.001144229
ENSG00000254235	8	55893595	55895739	+	AC018607.1	sense_intronic	3.2552391	-5.244017549	0.026387207	-1/2	1.542690184	-3.399268113	0.00067564	0.004543754
ENSG00000167105	17	50277406	50281485	+	TMEM82	protein_coding	1.778472	-5.239199077	0.026475405	-1/2	0.932838695	-5.583696055	2.35E-08	3.82E-07
ENSG00000196507	X	103670451	103629600	+	TCEAL3	protein_coding	6.1413967	-5.23505852	0.026543348	-1/2	1.60552049	-3.871742704	0.000134852	0.001107471
ENSG00000113790	3	185190624	185281990	+	EHHADH	protein_coding	3.22828	-5.232856048	0.026592145	-1/2	1.548323273	-3.376921773	0.000725671	0.004845353
ENSG00000142319	5	1392790	1445430	-	SLCGA3	protein_coding	23.963063	-5.221085118	0.026809997	-1/2	0.692654241	-6.230985551	3.11E-10	6.53E-09
ENSG00000138119	10	9306249	93482137	-	MYOF	protein_coding	6.4104124	-5.217638003	0.026874174	-1/2	1.398583121	-3.730658353	0.00019098	0.001514314
ENSG00000188738	2	185738895	185833290	+	FSIP2	protein_coding	23.267893	-5.21187047	0.026981784	-1/2	0.814809622	-6.396472747	1.59E-10	3.46E-09
ENSG0000004866	7	11695328	117210313	+	ST7	protein_coding	6.3298485	-5.209241779	0.027030991	-1/2	1.413514656	-6.68625903	0.00227583	0.001754326
ENSG00000122642	7	32957404	33006931	+	FKBP9	protein_coding	6.306365	-5.207067858	0.027071753	-1/2	1.372841166	-3.92913547	0.00014889	0.002110333
ENSG00000259439	2	44921077	44939199	-	LINC01833	lincRNA	3.14447102	-5.202246727	0.027162372	-1/2	1.552472742	-3.35093821	0.000805399	0.005131665
ENSG00000105365	16	23463542	23521995	+	GGAZ	protein_coding	231.50875	-5.193667935	0.02732437	-1/2	0.262031083	-19.74545316	6.78E-87	4.86E-84
ENSG00000109914	14	26443093	26597754	+	NOX1A1	protein_coding	11.551074	-5.189163035	0.027479532	-1/2	1.145503667	-4.523701192	0.0006766	0.00472705
ENSG00000132922	2	165087822	165204067	+	SCN3A	protein_coding	6.1143967	-5.168329914	0.027785216	-1/2	1.60552049	-3.871742704	0.00017575	0.001382091
ENSG00000102292	22	35380361	35394214	+	HMOX1	protein_coding	3.0581343	-5.154950694	0.028067596	-1/2	1.50552049	-3.871742704	0.00055587	0.006156735
ENSG00000261298	2	23422288	23424514	+	AC122134.1	lincRNA	3.0739867	-5.146947832	0.028223724	-1/2	1.58359404	-3.244502991	0.001176558	0.007386662
ENSG00000100196	22	38486062	38483447	+	KDELR3	protein_coding	11.101537	-5.144133852	0.028278828	-1/2	1.147281264	-4.483760011	7.33E-06	1.97E-05
ENSG00000187013	17	61417151	61413280	+	C17orf82	lincRNA	3.0110853	-5.143258559	0.02829599	-1/2	1.576201333	-3.264472423	0.001106657	0.00669599
ENSG00000165646	10	117241093	117279430	+	SLC18A2	protein_coding	11.171346	-5.141733181	0.028325294	-1/2	1.160994045	-4.128732467	9.48E-06	0.00010099
ENSG00000101188	20	62708837	62762771	+	NTR1	protein_coding	33.436688	-5.13381896	0.028481739	-1/2	0.670603707	-6.661687484	1.84E-14	6.18E-13
ENSG00000214688	10	71711702	71737824	+	C10orf105	protein_coding	5.9001946	-5.130360558	0.028550097	-1/2	1.390271899	-3.659031756	0.000223974	0.001729596
ENSG00000135747	1	246945547	247078811	+	ZNF670-ZNF695	protein_coding	11.108813	-5.129433171	0.028568455	-1/2	1.173155049	-4.47234036	1.23E-05	0.000126259
ENSG00000088367	20	36091504	36232739	+	EPH4L1	protein_coding	27.875595	-5.12523186	0.028649896	-1/2	0.731280742	-7.008657969	2.39E-12	6.34E-11
ENSG00000100767	14	72327487	72327480	+	PAPLN	protein_coding	12.259015	-5.12039194	0.028748706	-1/2	0.817446645	-5.85692643	3.75E-10	7.83E-09
ENSG00000213159	7	6497093	6491098	+	AC072052.1	processed_pseudogene	2.931811	-5.11900794	0.02875645	-1/2	1.600618903	-3.198143077	0.001383156	0.008466848
ENSG00000164241	5	127042558	127073492	+	C5orf63	protein_coding	2.8781662	-5.111519282	0.02892554	-1/2	1.624965712	-3.116512316	0.00165739	0.009878005
ENSG00000185640	12	52821410	52834295	+	KRT79	protein_coding	455.02578	-5.107694132	0.029002194	-1/2	0.189262367	-26.98737326	2.08E-160	4.08E-157
ENSG00000100985	20	46009808	46016561	+	MMP9	protein_coding	1990.2962	-5.095506783	0.029248232	-1/2	0.218916742	-27.27600321	7.76E-120	9.32E-117
ENSG0000010030	6	36354091	36387800	+	ETV7	protein_coding	28.809946	-5.089703745	0.029366116	-1/2	1.583595753	-3.21401704	0.001308919	0.000803885
ENSG00000123094	12	25959029	26078922	+	RASSF8	protein_coding	10.835233	-5.087534984	0.029410294	-1/2	1.153806012	-4.412103635	1.02E-05	0.000118612
ENSG00000079156	2	17819441	178402891	+	OSBP1L	protein_coding	2.9256622	-5.086859053	0.029424242	-1/2	1.579544327	-3.220454701	0.001279874	0.0079352
ENSG00000102024	X	115561174	115563861	+	PLS3	protein_coding	16.180477	-5.086429015	0.029432849	-1/2	0.940643412	-4.90739441	6.39E-08	9.75E-07
ENSG00000109956	11	134378504	134411918	+	B3GAT1	protein_coding	16.172066	-5.085448471	0.029452986	-1/2	0.942082169	-5.398280989	6.73E-08	1.02E-06
ENSG00000139865	19	32691361	32713000	+	NUD19	protein_coding	10.689622	-5.062380812	0.029933629	-1/2	1.156508462	-3.781703293	1.98E-05	0.000134452
ENSG00000279106	16	29204633	29205855	+	AC009093.7	TEC	2.8609396	-5.060077267	0.029975398	-1/2	1.52802013	-3.199369605	0.00138207	0.008464396
ENSG00000114812	3	42489299	42537573	+	VIPR1	protein_coding	5.6424169	-5.055702977	0.030066422	-1/2	1.39544398	-3.623006176	0.00291198	0.002178643
ENSG00000272282	3	27712910	27714005	+	LINC0									

ENSG0000066735	14	104138723	104180894	+	KIF26A	protein coding	12.562772	-4.70942928	0.038222609	<1/2	0.980249375	-4.804318214	1.55E-06	1.91E-05
ENSG00000134193	1	119794018	119811660	+	REG4	protein coding	12.357017	-4.700712837	0.038454258	<1/2	0.980779669	-4.792832669	1.64E-06	2.02E-05
ENSG00000185271	14	20425870	20435811	+	KLHL33	protein coding	2.2046258	-4.696476816	0.038567333	<1/2	1.727108635	-2.719271227	0.006542594	0.032084483
ENSG0000007432	15	51956514	51976834	+	ATPA9	protein coding	4.4272437	-4.692654043	0.038669662	<1/2	1.443508757	-3.25086635	0.001150539	0.007230862
ENSG00000140803	15	78264889	78282196	+	DNAJ4	protein coding	2.2286689	-4.691625215	0.038769468	<1/2	1.70020977	-2.759612376	0.005786998	0.029133256
ENSG0000007492	20	62396732	62602115	+	BX640514.2	lincRNA	2.1857855	-4.687537774	0.038807094	<1/2	1.700737134	-2.756178883	0.0058481	0.029270305
ENSG00000100453	14	24639054	24634267	+	GZMB	protein coding	2.1857855	-4.687537774	0.038807094	<1/2	1.700737134	-2.756178883	0.0058481	0.029270305
ENSG00000160282	21	46136262	46155657	+	FTCD	protein coding	2.1857855	-4.687537774	0.038807094	<1/2	1.700737134	-2.756178883	0.0058481	0.029270305
ENSG00000262119	14	26592747	26594517	+	AL079343.1	sense intronic	2.2551347	-4.687121766	0.038815784	<1/2	1.776764246	-2.63806117	0.006338154	0.039285323
ENSG00000089692	12	6772512	6778455	+	LAG3	protein coding	37.544352	-4.684168154	0.038897786	<1/2	0.57198592	-8.180396149	2.63E-16	1.04E-14
ENSG00000173805	17	41771742	41734644	+	HAP1	protein coding	8.1165623	-4.683898332	0.038905061	<1/2	1.210980604	-3.867855783	0.001099779	0.000916683
ENSG00000264663	17	39835037	39836080	+	KRT8P34	processed pseudogene	2.2098286	-4.682786759	0.038935049	<1/2	1.719691686	-2.732038553	0.006468451	0.031778949
ENSG00000197587	1	46509696	46142226	+	DMBX1	protein coding	2.2016198	-4.674724474	0.03915324	<1/2	1.694522737	-2.75872632	0.005802711	0.029076803
ENSG00000270742	1	61124733	61125202	+	AC096947.1	sense intronic	2.2016198	-4.674724474	0.03915324	<1/2	1.694522737	-2.75872632	0.005802711	0.029076803
ENSG00000111057	12	52948871	52952901	+	KRT18	protein coding	8.1985375	-4.672064607	0.039254983	<1/2	1.19925028	-3.895805728	9.79E-05	0.000826715
ENSG00000075340	2	70667618	70768225	+	ADD2	protein coding	109.70196	-4.666540697	0.039375973	<1/2	0.332190424	-14.02778815	7.95E-45	1.47E-42
ENSG00000247809	15	96110040	96327361	+	NR2F2-AS1	antisense RNA	4.2955116	-4.639846628	0.040111323	<1/2	1.469356059	-3.201315922	0.001368015	0.008390204
ENSG00000188064	22	45920362	45977129	+	WNT7B	protein coding	2.11805	-4.62941806	0.04040232	<1/2	1.702879796	-2.715881282	0.006556244	0.032131796
ENSG00000132386	17	1761959	1777574	+	SERPINF1	protein coding	20.04069	-4.627716444	0.040450001	<1/2	0.773785142	-5.980621998	2.22E-09	4.15E-08
ENSG00000164674	6	158650014	158764876	+	SYTL3	protein coding	118.50215	-4.6222815	0.040602673	<1/2	0.315164088	-14.66626996	1.06E-48	2.25E-46
ENSG00000198049	1	206109692	206117699	+	AVPR1B	protein coding	2.1338843	-4.616968327	0.04075248	<1/2	1.730312715	-2.668285499	0.007623944	0.03648175
ENSG0000027036	17	72323123	72640472	+	LINC00511	lincRNA	19.7106649	-4.605659407	0.041073184	<1/2	0.763758881	-6.03025165	1.64E-09	3.11E-08
ENSG00000132932	13	25372701	26205851	+	ATP8A2	protein coding	73.866446	-4.59439737	0.041420898	<1/2	0.392715044	-11.69967656	1.32E-31	1.30E-29
ENSG00000080031	19	55181248	55205906	+	PITPRH	protein coding	4.1352644	-4.589528311	0.04168782	<1/2	1.480495514	-3.09736125	0.001951188	0.01416011
ENSG00000159716	1	15978933	159782543	+	DUSP23	protein coding	4.0043822	-4.573386785	0.042002331	<1/2	1.473794861	-3.103158192	0.001914673	0.01123382
ENSG00000175029	10	12561170	12561170	+	CTBP2	protein coding	22.956272	-4.57021917	0.04208572	<1/2	0.694568895	-5.109730529	4.69E-11	4.9E-09
ENSG00000266378	17	14327335	14329474	+	AC005224.3	lincRNA	2.0503144	-4.568742617	0.042137758	<1/2	1.726858981	-2.645695257	0.008152322	0.03856957
ENSG00000138311	10	62374192	62672011	+	ZNF365	protein coding	2.0503144	-4.568742617	0.042137758	<1/2	1.726858981	-2.645695257	0.008152322	0.03856957
ENSG00000076351	17	28394756	28407197	+	SLC46A1	protein coding	4.0264017	-4.56163112	0.042345982	<1/2	1.497456272	-3.046253307	0.002317125	0.01328014
ENSG00000235688	2	949627	950274	+	AC116614.1	antisense RNA	4.1492657	-4.56055458	0.042375952	<1/2	1.477902754	-3.085828595	0.002029858	0.011818685
ENSG00000259106	14	79611418	79633311	+	AC008056.2	antisense RNA	2.0236254	-4.552042147	0.042628374	<1/2	1.774767092	-2.564867338	0.010321526	0.046832768
ENSG00000173801	17	41754604	41786931	+	JUP	protein coding	121.54493	-4.521552953	0.043538848	<1/2	0.303963322	-14.871532416	4.77E-50	1.06E-47
ENSG00000041353	18	54717860	54895516	+	RAB27B	protein coding	43.975026	-4.514697019	0.043746229	<1/2	0.502191020	-8.990002616	2.47E-19	1.29E-17
ENSG00000171357	1	46203334	46221261	+	LURAP1	protein coding	3.9263907	-4.508070111	0.043947652	<1/2	1.47779658	-3.050631808	0.002283604	0.03115582
ENSG00000250685	16	84132558	84179763	+	AC09123.1	antisense RNA	7.4274089	-4.49318395	0.044023229	<1/2	1.267991684	-3.533276479	0.002030464	0.021607975
ENSG00000182347	3	32302020	32391793	+	UBE2E1	protein coding	3.8321127	-4.5000472	0.044194029	<1/2	1.521440095	-3.843725481	0.003093999	0.016991022
ENSG00000163017	2	7893214	79198854	+	ACTG2	protein coding	57.821461	-4.496458656	0.044302785	<1/2	0.426390904	-10.30278551	6.78E-25	4.98E-23
ENSG0000011885	17	7259903	7263983	+	CLDN7	protein coding	3.8627086	-4.493319407	0.044399295	<1/2	1.477485811	-3.041192933	0.002356428	0.013483934
ENSG00000145632	5	58453982	58460260	+	PLK2	protein coding	3.8217837	-4.492951218	0.044410628	<1/2	1.553189371	-2.892725962	0.003819144	0.030620825
ENSG00000130558	9	135075422	135121179	+	OLFM1	protein coding	7.2604353	-4.490805526	0.044767278	<1/2	1.226728294	-3.660798849	0.00025143	0.00916279
ENSG00000119630	14	74941834	74955784	+	PGF	protein coding	1.902015	-4.480243673	0.044803533	<1/2	1.750195101	-2.559853854	0.010471619	0.047434019
ENSG00000171476	4	56647988	56681899	+	HOPX	protein coding	3.7821447	-4.479823547	0.044816583	<1/2	1.502040745	-2.982491362	0.002859127	0.01583627
ENSG00000158887	1	161304735	161309972	+	MPZ	protein coding	14.082276	-4.472856861	0.045033522	<1/2	0.885824255	-5.009372759	4.43E-07	5.93E-06
ENSG00000237989	21	43358147	43362349	+	LINC01679	lincRNA	17.557977	-4.444075377	0.045940954	<1/2	1.75906361	-5.727592401	1.02E-08	1.75E-07
ENSG00000159716	1	958868	9576713	+	SNTG2	protein coding	31.455584	-4.43018387	0.046384665	<1/2	0.580088359	-7.637083716	2.22E-44	7.42E-43
ENSG00000258667	14	61715587	61731097	+	HIF1A-AS2	lincRNA	3.9879797	-4.425188619	0.046546399	<1/2	0.866001053	-5.109730529	2.32E-07	4.43E-06
ENSG00000142871	1	85580761	85583962	+	CY61	protein coding	3.6248273	-4.390741084	0.047671106	<1/2	1.509552053	-2.90863841	0.003630064	0.019506293
ENSG0000018508	6	146543693	146554965	+	RAB32	protein coding	3.5631037	-4.383269127	0.047916724	<1/2	1.511094192	-2.90076526	0.003722547	0.019909176
ENSG00000134247	1	116910057	116990358	+	PTGFRN	protein coding	13.769768	-4.3811047	0.047990588	<1/2	0.893916007	-4.901025	9.53E-07	1.22E-05
ENSG00000156011	8	18527301	19084730	+	PSD3	protein coding	3.617915	-4.38066014	0.048011388	<1/2	1.493827099	-2.932738197	0.00363768	0.018261544
ENSG00000100968	14	24365673	24379604	+	NFATC1	protein coding	6.615979	-4.37407561	0.048213883	<1/2	1.25410051	-3.487501002	0.00487557	0.00341481
ENSG00000244300	3	128489212	128502348	+	GATA2-AS1	antisense RNA	3.5183874	-4.360971028	0.04866502	<1/2	1.518710023	-2.74196838	0.004085329	0.02157876
ENSG00000180694	8	90621995	90791632	+	TM6SF4	protein coding	40.23156	-4.357136641	0.048794534	<1/2	0.511348045	-8.520832627	1.58E-17	6.97E-16
ENSG00000204186	2	20627463	206314428	+	ZNF252	protein coding	118.34521	-4.351828213	0.048974589	<1/2	0.297454086	-14.83028715	1.80E-48	3.78E-46
ENSG00000204791	8	144049879	144051522	+	SMRDS	transcribed unitary pseudogene	7.3151161	-4.346570002	0.049163229	<1/2	1.512590425	-2.873593492	0.004028309	0.021465284
ENSG00000142156	21	45981737	46005050	+	COL6A1	protein coding	38.978797	-4.33147370	0.049642182	<1/2	1.519379737	-3.843725481	7.23E-37	8.98E-15
ENSG00000138427	5	83471465	83582303	+	VCAN	protein coding	22.761354	-4.323172639	0.049661593	<1/2	0.677545469	-6.39251611	1.62E-10	3.52E-09
ENSG00000133454	2	25242144	26031041	+	MYO18B	protein coding	64.827189	-4.322425605	0.04982761	<1/2	0.393354883	-10.98861561	4.34E-28	3.72E

ENSG00000179431	11	35618419	35260868	+	FXJ1	protein coding	4.8738423	-3.842792485	0.0669695413	-1/2	1.306179674	-2.942009098	0.003260903	0.017754247
ENSG00000140557	15	92393828	92468728	+	ST8IA2	protein coding	4.5582775	-1.811821333	0.071239335	-1/2	1.341951385	-2.840209957	0.00451093	0.023463657
ENSG00000103887	17	58520250	58540818	-	4-Sep	protein coding	9.2068221	-3.66838039	0.071476458	-1/2	0.941698218	-2.04260557	5.30E-05	0.000475865
ENSG00000260711	14	91752856	91759798	-	AL121839.2	sense intron	13.804781	-3.786853872	0.072450835	-1/2	0.777622733	-4.86978288	1.12E-06	1.41E-05
ENSG00000258376	14	73245621	73245979	-	AC084846.1	antisense RNA	6.764071	-3.77040741	0.073815301	-1/2	1.072115173	-3.516795208	0.00436883	0.02311645
ENSG00000172673	6	127108072	127191861	-	THEM5	protein coding	490.20685	-2.70137706	0.073295188	-1/2	1.173793819	-27.40048746	2.71E-165	5.85E-162
ENSG00000162522	1	32741884	32747970	-	KAA1522	protein coding	35.997021	-3.752765883	0.074183087	-1/2	0.467547122	-8.026497657	1.00E-15	3.76E-14
ENSG00000151594	2	27253684	27275817	-	SLC30A3	protein coding	31.087052	-3.731142797	0.075303316	-1/2	0.50706675	-7.358828743	1.86E-13	5.60E-12
ENSG00000176014	18	12307669	12344320	+	TUBB6	protein coding	10.745166	-3.728833348	0.075447487	-1/2	0.871796931	-4.27664914	1.90E-05	0.000188467
ENSG00000131650	16	2963944	2968383	+	KREMEN2	protein coding	6.5754152	-3.71941572	0.07591792	-1/2	1.091841756	-3.406552003	0.00065789	0.004443586
ENSG00000246273	11	9758292	9811319	+	SBF2-AS1	antisense RNA	8.6330453	-3.705608058	0.076647999	-1/2	0.938236288	-3.94654724	7.83E-05	0.000672767
ENSG00000099284	10	70052796	70112280	+	H2AFY2	protein coding	119.66685	-3.68808112	0.077584856	-1/2	0.259785237	-14.19656398	9.61E-46	1.81E-43
ENSG00000135144	12	113056709	113980828	+	DTX1	protein coding	882.41316	-3.686255946	0.077683071	-1/2	0.113171393	-32.57523997	1.01E-23	5.46E-22
ENSG00000153563	2	86784610	86808396	-	CDBA	protein coding	94.551759	-3.682501005	0.077885523	-1/2	0.293071889	-12.56517991	3.28E-36	4.03E-34
ENSG00000157240	7	91254364	91271326	+	FZD1	protein coding	63.699978	-3.678387206	0.078107928	-1/2	0.347398756	-10.59142063	3.27E-26	2.35E-24
ENSG00000226015	1	147103276	147474932	-	CCT8P1	processed pseudogene	4.2011044	-3.674797973	0.078302396	-1/2	1.330824112	-2.76129631	0.00757241	0.028889158
ENSG00000151726	4	184755595	184826818	-	ACSL1	protein coding	48.437138	-3.656670741	0.079292557	-1/2	0.397069099	-9.201254652	3.29E-20	1.84E-18
ENSG00000137880	15	40764020	40767170	+	GCHFR	protein coding	16.435	-3.644889136	0.079942243	-1/2	0.697052397	-5.22019576	1.70E-07	2.43E-06
ENSG00000259917	15	34489002	34490571	-	HNRNPLP2	unprocessed pseudogene	14.644965	-3.63756728	0.080348966	-1/2	0.71637891	-5.72772725	3.82E-07	5.16E-06
ENSG00000105472	19	50723329	50725178	+	CLEC11A	protein coding	286.71334	-3.603281408	0.082281881	-1/2	0.170853683	-21.0894798	9.94E-99	7.67E-96
ENSG00000136038	2	72916260	72936071	+	EMX1	protein coding	6.1281006	-3.592048387	0.08292504	-1/2	1.112314158	-3.229346998	0.01240733	0.007721
ENSG00000267453	19	15851993	15864904	-	LINC01835	transcribed unprocessed pseudogene	5.9439536	-3.583399652	0.083423656	-1/2	1.118106254	-3.204882933	0.001351174	0.003808105
ENSG00000170542	6	2881766	2903280	+	SERPIN9	protein coding	3.978547	-3.57746263	0.083751204	-1/2	1.33876238	-2.884542035	0.00705300	0.008630743
ENSG00000149257	11	75562056	75572783	+	SERPINH1	protein coding	211.18234	-3.574935355	0.083914541	-1/2	0.194696355	-18.36159361	2.67E-75	1.15E-72
ENSG00000157125	12	32351978	32352821	+	KRT12P	unprocessed pseudogene	3.9595347	-3.573973328	0.084054299	-1/2	1.34093631	-2.664169265	0.0071793	0.03861197
ENSG00000274317	5	176620084	176630556	-	SNCG	protein coding	8.0101653	-3.46532641	0.084135883	-1/2	0.97037712	-6.680151341	0.00233096	0.011921188
ENSG00000138316	10	70672803	70762441	+	ADAMT514	protein coding	51.767083	-3.56287195	0.084619133	-1/2	0.382550142	-9.313476996	1.24E-20	7.73E-19
ENSG00000159884	1	114582848	114670422	-	DENND2C	protein coding	5.903459	-3.552398531	0.085235691	-1/2	1.101511111	-3.22502874	0.001259626	0.007829902
ENSG00000137441	4	15960243	15969309	+	FGFBP2	protein coding	50.147985	-3.542753597	0.085807431	-1/2	0.3951901	-8.964677299	3.11E-19	1.62E-17
ENSG00000110799	12	5948874	6124770	+	VWF	protein coding	11.616411	-3.53787211	0.086097955	-1/2	0.809365728	-4.371172501	1.24E-05	0.000128191
ENSG00000158258	3	139935185	140577397	+	CLSTN2	protein coding	3.7878746	-3.520389781	0.087147931	-1/2	1.364225318	-2.580540054	0.00985603	0.045085888
ENSG00000249242	4	82483170	82562357	+	TMEM150C	protein coding	5.6249434	-3.513973882	0.087536355	-1/2	1.119238578	-3.139611174	0.010169122	0.010058626
ENSG00000120237	5	14122932	14122759	+	PCDHB14	protein coding	3.8433481	-3.508875997	0.087846219	-1/2	1.367300296	-2.566272927	0.010279791	0.046692935
ENSG00000185551	15	96325938	96400263	+	NR2F2	protein coding	37.029864	-3.478168037	0.089736079	-1/2	0.445000944	-7.816019317	5.45E-15	1.91E-13
ENSG00000146013	5	138252749	138274671	+	GFAA3	protein coding	3.168151	-3.47677711	0.089838826	-1/2	0.474930992	-4.272379897	2.47E-13	7.33E-11
ENSG00000142088	3	48517634	48526105	+	PKIF4	protein coding	817.09800	-3.46532641	0.090521694	-1/2	0.1242752	-7.82052099	3.90E-13	9.36E-168
ENSG00000271503	17	35871491	35880793	+	COL5	protein coding	31.315632	-3.456207284	0.091112494	-1/2	0.47482181	-7.37856047	3.36E-13	9.87E-12
ENSG00000261934	5	141402922	141512979	+	PCDHGA9	protein coding	5.5093182	-3.45235898	0.091355856	-1/2	1.124833009	-3.069218959	0.002146192	0.012419602
ENSG00000173083	4	83292461	83353153	+	HPSE	protein coding	18.244838	-3.444866151	0.091831559	-1/2	0.614622576	-5.60448057	2.08E-08	3.41E-07
ENSG00000132329	2	23785889	23791214	+	RAMP1	protein coding	5.6044307	-3.443628659	0.091910363	-1/2	1.153990164	-2.984105278	0.002844085	0.01571283
ENSG00000269961	5	65924629	65925135	+	AC010359.1	lincRNA	5.2956994	-3.441058625	0.092074237	-1/2	1.188234507	-2.89594326	0.003780218	0.02019762
ENSG00000095739	10	28677342	28682399	+	BAMBI	protein coding	3.534553	-3.425133695	0.093096214	-1/2	1.144257614	-2.993239208	0.002795967	0.015411207
ENSG00000107954	10	103493979	103592552	+	NEURL1	protein coding	9.031477	-3.424863002	0.093113683	-1/2	0.881663875	-3.884542035	0.00102522	0.000861227
ENSG00000166920	15	45430529	45448761	+	CL5orf48	protein coding	10.549082	-3.414993558	0.093752855	-1/2	0.835514555	-4.087294894	4.36E-05	0.000399745
ENSG00000159212	21	34683389	34718227	+	CLIC6	protein coding	6.9391039	-3.413973328	0.093819178	-1/2	0.77086631	-3.23033664	0.00061087	0.004478239
ENSG00000193141	2	200205883	200482263	+	SPAT5L	protein coding	17.966057	-3.39551498	0.095027196	-1/2	0.626098861	-6.226235	3.95E-07	1.99E-07
ENSG00000109458	4	143336762	143474568	+	GAB1	protein coding	47.831202	-3.393810923	0.095139554	-1/2	0.379594691	-8.940617453	3.87E-19	1.99E-17
ENSG00000182230	5	176060689	176132258	+	FAM153B	protein coding	8.871701	-3.390864048	0.095334087	-1/2	0.867786233	-3.902487718	9.33E-05	0.000789301
ENSG00000176490	19	2714567	2721418	+	DIRAS1	protein coding	8.8449733	-3.389344963	0.095435422	-1/2	0.900695236	-3.763031963	0.00167866	0.01349989
ENSG00000172283	10	35638249	35642278	-	FZD8	protein coding	16.057103	-3.387409272	0.095562654	-1/2	0.690672885	-4.504509947	9.37E-07	1.20E-05
ENSG00000171004	X	132626016	132961395	+	HSGT2	protein coding	42.365244	-3.37769004	0.096208619	-1/2	0.407636048	-8.286043526	1.17E-16	4.75E-15
ENSG00000181577	6	4400580	44005958	+	C6orf223	protein coding	245.64273	-3.3776887	0.096208709	-1/2	0.40489047	-8.286228203	7.29E-17	3.00E-15
ENSG00000259363	15	99807223	99877148	+	AC090825.1	lincRNA	8.8061859	-3.37367886	0.096476482	-1/2	0.870592427	-3.877893675	0.00106454	0.000891533
ENSG00000135362	11	36296288	36465204	+	PRRSL	protein coding	34.958783	-3.368507818	0.096822904	-1/2	0.443970364	-7.587235752	3.27E-14	1.06E-12
ENSG00000058866	3	186105668	186362237	+	DGKB	protein coding	6.9391039	-3.35319418	0.097865115	-1/2	0.978573443	-4.426741851	0.00061087	0.004478239
ENSG00000260704	4	74453790	74460504	+	GTF2IRD1	protein coding	11.118181	-3.3290934	0.098870719	-1/2	0.626098861	-6.226235	3.95E-07	1.99E-07
ENSG00000176728	9	18872501	19077416	+	TTTY14	lincRNA	8.6059852	-3.33151396	0.09937662	-1/2	0.908937785	-7.784102749	0.001547624	0.01124835
ENSG00000213790	22	42107765	42108953	+	OLA1P1	processed pseudogene	5.0197305	-3.313456962	0.100588901	-1/2	1.163099894	-2.848815462	0.004388233	0.022919154
ENSG00000253611	9	135462727	135480777	+	PPP1R26-AS1	antisense RNA	5.0226859	-3.308620962	0.100926647	-1/2	1.140207505	-2.9		

ENSG00000145087	3	120908072	121424761	+	STXBPSL	protein coding	15.149167	-2.860440068	0.137696131	<1/2	0.620085603	-4.612976102	3.97E-06	4.53E-05
ENSG00000257402	12	52715567	52721655	+	KRT126P	unprocessed_pseudogene	24.418206	-2.855558317	0.138162853	<1/2	0.5004051	-5.70649324	1.15E-08	1.96E-07
ENSG00000174945	7	2679522	2775500	+	AMZ1	protein coding	26.44404	-2.850812367	0.138618108	<1/2	0.161233754	-1.768123796	5.85E-70	2.30E-67
ENSG0000017695	20	64038380	64084359	+	LKAAEAR1	protein coding	12.414494	-2.85073377	0.138625666	<1/2	0.732156875	-3.899160598	9.88E-05	0.000832284
ENSG00000184792	22	30637382	30907824	+	OSBP2	protein coding	62.05023	-2.845769297	0.138909582	<1/2	0.320685003	-8.87383625	7.07E-19	3.56E-17
ENSG00000170689	17	48621159	48626256	+	HOKB9	protein coding	52.106883	-2.822119762	0.139472478	<1/2	0.338570788	-8.33497407	7.75E-17	1.18E-15
ENSG00000147231	X	106611930	106679442	+	Cxor157	protein coding	8.972904	-2.820041715	0.141606391	<1/2	0.819088239	-3.442930362	0.000575506	0.00396491
ENSG00000163485	1	203090654	203167405	+	ADORA1	protein coding	6.1913363	-2.813007552	0.142298509	<1/2	0.943374646	-2.981856217	0.000286505	0.00396491
ENSG00000229400	10	84279980	84294659	+	LINC00858	lincRNA	6.2468097	-2.808723732	0.142721666	<1/2	0.942969154	-2.978559555	0.002895727	0.016014328
ENSG00000065923	X	46599252	46599172	+	SLC9A7	protein coding	1.7250937	-2.80841891	0.142751825	<1/2	0.19613498	-1.413880889	1.67E-46	3.25E-44
ENSG00000135636	2	71453727	71686768	+	DYSF	protein coding	236.01315	-2.804534806	0.143136667	<1/2	0.169955254	-1.5016077	3.57E-61	1.15E-58
ENSG00000204580	6	30876421	30900156	+	DDR1	protein coding	5.6706261	-2.78297998	0.14529128	<1/2	0.330944711	-4.809199139	4.13E-17	1.76E-15
ENSG00000213997	X	46646594	46647330	+	PGAM1P7	processed_pseudogene	4.860693	-2.76734878	0.146874209	<1/2	1.060948339	-2.608372792	0.009097382	0.042145611
ENSG00000186854	2	84821650	84907008	+	TRABD2A	protein coding	183.84721	-2.763979105	0.147217481	<1/2	0.192062183	-1.439106369	5.89E-47	1.18E-44
ENSG00000283544	3	91374236	91513775	+	ABR01009935.2	unprocessed_pseudogene	7.2825932	-2.7376766	0.150332885	<1/2	0.898463582	-3.002719335	0.002344551	0.01342664
ENSG00000257343	12	52746596	52748308	+	AC057716.1	unprocessed_pseudogene	12.907102	-2.72530853	0.15121678	<1/2	0.680149508	-4.006927626	6.15E-05	0.000544724
ENSG00000146281	6	89146050	89165565	+	PM2D2	protein coding	430.29549	-2.718692027	0.151911374	<1/2	0.127530379	-21.3180475	7.72E-101	6.95E-98
ENSG00000128165	22	50481556	50486440	+	ADM2	protein coding	50.900476	-2.701646829	0.15371494	<1/2	0.333870489	-8.091906661	5.87E-16	2.25E-14
ENSG00000109099	17	15297277	15265326	+	PMP22	protein coding	49.913464	-2.700873955	0.153799855	<1/2	0.339146211	-21.736374503	1.67E-15	6.15E-14
ENSG00000182115	4	5897373	6018507	+	C1orf50	protein coding	215.51449	-2.692652111	0.154678854	<1/2	0.171092205	-15.73801749	8.30E-56	2.16E-53
ENSG00000166173	15	70829130	70854159	+	LARP6	protein coding	6.1868669	-2.692517283	0.154693311	<1/2	0.904201351	-2.977785071	0.002903395	0.016025285
ENSG00000170345	14	75278774	75282230	+	FOS	protein coding	617.07241	-2.677985167	0.156259394	<1/2	0.115273125	-23.2163247	2.18E-119	2.48E-116
ENSG00000215045	7	6497462	6551436	+	GRID2IP	protein coding	69.37367	-2.674687807	0.156616942	<1/2	0.294619869	-9.07863628	1.10E-19	5.89E-18
ENSG00000189419	15	10034457	100349655	+	SPATA41	lincRNA	5.5344695	-2.665963251	0.157566937	<1/2	1.040195776	-2.56294738	0.010378887	0.047041489
ENSG00000178923	1	43451003	43453989	+	HIT	protein coding	70.57384	-2.65830267	0.158349791	<1/2	0.287381288	-9.252564931	2.15E-20	1.34E-18
ENSG00000165449	10	95650761	95770202	+	SLC16A9	protein coding	7.965917	-2.65112466	0.158702882	<1/2	0.837103768	-3.172366281	0.001512021	0.00912819
ENSG00000141429	18	35851117	35711834	+	GALNT1	protein coding	157.86198	-2.647607306	0.159584528	<1/2	0.192366574	-13.7633485	4.23E-43	7.26E-41
ENSG00000196422	9	135479079	135488893	+	PPP1R26	protein coding	41.197862	-2.646348038	0.159724714	<1/2	0.365893005	-2.732552079	4.74E-13	1.37E-11
ENSG00000168461	18	9708165	9862551	+	RAB31	protein coding	10.947734	-2.645802501	0.15978429	<1/2	0.75164186	-3.520030833	0.000431497	0.003083118
ENSG00000130829	X	15364492	153651326	+	DUSP9	protein coding	83.275222	-2.624312881	0.162181674	<1/2	0.269336513	-9.743637267	1.96E-22	1.27E-20
ENSG00000179388	8	22687659	22693302	+	EGR3	protein coding	610.18493	-2.622751034	0.162357841	<1/2	0.116285482	-2.55441509	1.22E-112	1.25E-109
ENSG00000125000	20	1534251	1558843	+	SIRPD	protein coding	7.728089	-2.611195203	0.163663532	<1/2	0.845926282	-3.08678703	0.002023325	0.017187
ENSG00000259932	15	45198517	45199139	+	AC051619.7	sense intronic	24.058351	-2.611089311	0.163675566	<1/2	0.481327167	-5.642769911	5.80E-08	8.89E-07
ENSG00000103107	20	1563521	1620061	+	SIRPB1	protein coding	114.09363	-2.605367078	0.164326029	<1/2	0.230353952	-11.31027831	1.17E-19	1.08E-27
ENSG00000172671	10	45615501	45627780	+	ZFAND4	protein coding	51.827131	-2.59489565	0.169750352	<1/2	0.339602935	-2.580895833	1.72E-14	5.81E-13
ENSG00000194258	1	197811902	19792478	+	LHG9	protein coding	9.820742	-2.60112466	0.164794484	<1/2	0.760585029	-3.979058209	0.000791319	0.004483283
ENSG00000087589	20	56411212	56460387	+	CASS4	protein coding	158.21212	-2.579670628	0.16727913	<1/2	0.194005246	-13.9891217	2.41E-40	3.62E-38
ENSG00000189337	1	13892792	15118043	+	KAZN	protein coding	8.6803263	-2.574778999	0.167842773	<1/2	0.77892344	-3.305561069	0.000947864	0.006119663
ENSG00000140470	15	99971589	100342005	+	ADAMTS17	protein coding	49.38669	-2.573686774	0.167974393	<1/2	0.337118666	-7.634364498	2.27E-14	5.76E-13
ENSG00000272734	10	86965345	86971311	+	ADIRF-AS1	processed_transcript	8.5955384	-2.573509808	0.167994999	<1/2	0.776994276	-3.312134836	0.000925869	0.005993186
ENSG00000198417	16	56657694	5666698	+	MT1F	protein coding	54.25628	-2.568617805	0.168565617	<1/2	0.32848635	-7.918557196	5.30E-15	1.87E-13
ENSG00000168993	4	784957	826198	+	CPLX1	protein coding	6.3769918	-2.565542166	0.168925236	<1/2	0.933227707	-2.749106298	0.0095758	0.029785264
ENSG00000133812	11	9778667	10294207	+	SBF2	protein coding	280.41092	-2.562027296	0.169337418	<1/2	0.150828943	-9.676631073	1.04E-64	3.67E-62
ENSG00000100276	22	29312933	29319679	+	RASL10A	protein coding	64.734365	-2.560230226	0.169548482	<1/2	0.292681446	-8.747497533	2.18E-18	1.05E-16
ENSG00000198106	16	22921220	22927110	+	AC02379.1	processed_transcript	3.352594	-2.558558238	0.169750352	<1/2	0.993131881	-2.580895833	0.00094431	0.046363477
ENSG00000105701	19	18321751	18344077	+	FKBP8	protein coding	82.13554	-2.55112466	0.169809071	<1/2	0.119317124	-23.00061771	4.60E-117	4.94E-114
ENSG00000173281	8	9136255	9151574	+	PPP1R38	protein coding	138.53767	-2.556116889	0.170032615	<1/2	0.209033062	-12.4668508	1.13E-35	1.97E-33
ENSG00000150764	11	111927144	112022584	+	DIXDC1	protein coding	23.00885	-2.546338261	0.17118898	<1/2	0.503606501	-5.065206101	4.28E-07	5.75E-06
ENSG00000165929	14	91797571	91867156	+	TC2N	protein coding	12.93661	-2.540061666	0.171941992	<1/2	0.229051135	-11.08925378	1.41E-28	1.23E-26
ENSG00000136100	4	118036318	118258648	+	NDST3	protein coding	71.334027	-2.539687129	0.17198002	<1/2	0.293357456	-8.657312558	4.83E-18	2.25E-16
ENSG00000120949	1	12063377	12144207	+	TNFRSF8	protein coding	198.8875	-2.537265519	0.172268936	<1/2	0.181974745	-13.94295413	3.47E-44	6.25E-42
ENSG00000159733	4	22695842	2418663	+	ZFYVE28	protein coding	28.325481	-2.533187648	0.172756554	<1/2	0.437253063	-5.94731161	6.90E-09	1.20E-07
ENSG00000169184	22	27748277	27801498	+	MN1	protein coding	52.309689	-2.522001478	0.174101257	<1/2	0.325844407	-7.73994256	9.95E-15	3.40E-13
ENSG00000253910	5	141360042	141512979	+	PCDHG82	protein coding	28.341274	-2.516556374	0.174759601	<1/2	0.454450209	-5.96428369	3.07E-08	4.90E-07
ENSG00000196984	14	76013764	76051332	+	MLH8	protein coding	72.389546	-2.514389501	0.175031998	<1/2	0.294226675	-8.845833808	9.08E-19	4.53E-17
ENSG00000194278	18	12446612	12456838	+	SPIR1	protein coding	69.188859	-2.51217498	0.182642484	<1/2	0.286062957	-8.67250233	1.61E-38	7.81E-37
ENSG00000186104	11	14877440	14892252	+	CYP2R1	protein coding	101.97914	-2.489658551	0.178381035	<1/2	0.233570707	-10.74611314	1.79E-26	1.40E-24
ENSG00000266965	18	33595901	33597599	+	AC090220.1	sense intronic	6.3042451	-2.480130746	0.179228163	<1/2	0.966536443	-2.56598172	0.010287937	0.046719516
ENSG00000197208	5	132294443	132344206	+	SLC22A4	protein coding	23.397904	-2.475736947</						

ENSG00000273677	11	32436311	32436447	+	WT1-AS 2	misc_RNA	9.1491271	-2.161618891	0.223505325	-1/2	0.725570129	-2.979200499	0.002890016	0.015995025
ENSG00000168350	14	100143957	100160163	-	DEG52	protein_coding	47.176424	-2.159960240	0.223762444	-1/2	0.323149066	-6.684089566	2.32E-11	5.61E-10
ENSG00000196990	9	133578415	133586197	-	FAM163B	protein_coding	9.4910214	-2.159823349	0.223783667	-1/2	0.75975472	-2.842780157	0.00447219	0.023267665
ENSG00000088340	20	35558737	35607562	-	FER1L4	transcribed_unitary_pseudogene	12.751741	-2.15749156	0.224146565	-1/2	0.654489186	-3.296451044	0.000979147	0.006290938
ENSG00000113070	5	140322843	140346631	-	HNRFG	protein_coding	12.227753	-2.15749156	0.224146565	-1/2	0.200426102	-10.56204203	4.41E-06	3.41E-04
ENSG00000144646	3	47562329	47580792	-	CSF6S	protein_coding	25.148188	-2.156364729	0.224200796	-1/2	0.441099213	-4.888616137	1.02E-06	1.29E-05
ENSG00000196092	9	36832375	37034185	-	PAX5	protein_coding	62.860718	-2.153563259	0.224756811	-1/2	0.29679498	-7.257176178	3.95E-13	1.15E-11
ENSG00000180758	1	9103005	9129170	-	GPR157	protein_coding	129.38611	-2.14388149	0.226270202	-1/2	0.200012422	-10.17874172	8.31E-27	6.68E-25
ENSG00000266146	18	13459947	13460026	+	MIR5190	miRNA	8.9819576	-2.139092073	0.227022615	-1/2	0.838574356	-2.550667803	0.010745517	0.048491726
ENSG00000222047	10	79309969	79327777	-	Clorf55	protein_coding	7.2921494	-2.129443171	0.228546056	-1/2	0.812867933	-1.676666843	0.00801571	0.001100843
ENSG00000165702	9	132944000	132991687	+	GF11B	protein_coding	7.5096618	-2.125135806	0.229229432	-1/2	0.79853461	-2.661294551	0.007784083	0.0371178
ENSG00000132744	11	67642555	67642659	-	ACY3	protein_coding	11.4992323	-2.124961464	0.229257134	-1/2	0.672294766	-3.160758598	0.001573589	0.000470899
ENSG00000138411	2	196194370	196593692	-	HECW2	protein_coding	32.426149	-2.124322216	0.229358739	-1/2	0.396335468	-5.359909442	8.33E-08	1.25E-06
ENSG00000279951	13	20092632	20094144	+	AL138688.2	TEC	9.882764	-2.119407465	0.230141416	-1/2	0.694574735	-3.051374257	0.002277964	0.013086939
ENSG00000133131	X	106813871	107000244	-	MORC4	protein_coding	25.797975	-2.117912526	0.230380015	-1/2	0.154128885	-13.74117853	5.75E-43	9.71E-41
ENSG00000272789	2	127625997	127628848	-	AC01097.6	antisense_RNA	8.0113741	-2.116215737	0.23061513	-1/2	0.812118167	-2.605797807	0.009166055	0.02418281
ENSG00000146438	7	5274369	5306870	+	SLC29A4	protein_coding	42.169644	-2.114977496	0.230849179	-1/2	0.355670081	-5.94658874	2.74E-09	5.06E-08
ENSG00000122861	7	73909177	73917497	+	PLAU	protein_coding	391.74509	-2.114604493	0.230908871	-1/2	0.137310366	-15.39785978	1.69E-53	4.02E-51
ENSG00000187122	10	96998038	97185920	-	SLIT1	protein_coding	22.839747	-2.113251229	0.231125568	-1/2	0.495134132	-4.268037877	1.97E-05	0.000195364
ENSG00000165731	10	43077027	43130351	+	RET	protein_coding	86.104912	-2.106552369	0.232021248	-1/2	0.248015324	-8.493673948	2.00E-17	8.74E-16
ENSG00000146416	6	143060496	143340304	+	AIG1	protein_coding	229.67697	-2.105696224	0.232339085	-1/2	0.164113261	-12.83705003	1.10E-37	1.44E-35
ENSG00000223855	7	520391	525232	+	HRA192	lincRNA	16.78247	-2.100064125	0.23242788	-1/2	0.568569832	-3.639504909	0.00022111	0.00170533
ENSG00000183018	17	4498838	4539035	+	SPNS2	protein_coding	439.99357	-2.099656294	0.233313826	-1/2	0.134266966	-15.8792164	4.02E-55	9.97E-53
ENSG00000159307	22	43197283	43433388	-	SCUBE1	protein_coding	3567.0718	-2.096434226	0.233854584	-1/2	0.104776514	-20.00667273	4.63E-89	2.86E-86
ENSG00000152324	2	156324432	156342348	-	NRA22	protein_coding	14.599556	-2.087829803	0.234234276	-1/2	0.260435555	-7.789143386	6.75E-15	2.34E-13
ENSG00000196910	10	73772791	73780251	-	FUT11	protein_coding	342.45817	-2.075461165	0.232759671	-1/2	0.131421553	-15.79239566	3.51E-56	1.99E-54
ENSG00000128805	10	48446034	48465265	-	ARHGAP22	protein_coding	67.743565	-2.068603198	0.238390195	-1/2	0.275570133	-7.507805421	6.01E-14	1.90E-12
ENSG00000073861	17	47733244	47746119	+	TBX21	protein_coding	163.23424	-2.062624511	0.238777292	-1/2	0.199203335	-10.3726298	3.30E-25	2.45E-23
ENSG00000174807	11	66314487	66317044	-	CD248	protein_coding	294.3796	-2.065530932	0.238898395	-1/2	0.148633904	-13.89676833	6.63E-44	1.18E-41
ENSG00000182736	18	31622247	31685836	-	B4GALT6	protein_coding	233.87937	-2.0327002	0.244397223	-1/2	0.156122245	-11.031992675	9.43E-39	1.31E-36
ENSG00000276231	7	8802723	8867677	-	PIK3R6	protein_coding	221.88356	-2.020247821	0.246515827	-1/2	0.158581213	-12.73963553	3.57E-37	4.59E-35
ENSG00000096264	6	41335655	41350887	+	NCR2	protein_coding	63.83019	-2.017964237	0.246906336	-1/2	0.284769798	-7.08051004	1.38E-12	3.74E-11
ENSG00000120738	5	13846490	13849315	+	EGR1	protein_coding	2914.3455	-2.01318594	0.247702684	-1/2	0.076167422	-26.432808458	5.75E-154	9.56E-151
ENSG00000054277	11	241590102	241677376	-	OPN3	protein_coding	58.700673	-2.01124981	0.248058137	-1/2	0.289944004	-6.936676395	4.01E-12	1.04E-10
ENSG00000102032	3	15393263	153934691	-	RCNRP	protein_coding	8.3074687	-2.010387981	0.248306425	-1/2	0.751338866	-2.574906245	0.007475015	0.0338712
ENSG00000098457	17	37146238	3801243	-	ITGA8	protein_coding	757.83181	-1.993898492	0.251060772	-1/2	0.079731649	-15.50550912	8.85E-32	1.18E-30
ENSG00000232788	2	172464262	172466022	-	AC097883.3	antisense_RNA	10.714629	-1.985893615	0.252456444	-1/2	0.663762261	-2.991874848	0.007726699	0.015476546
ENSG00000100321	22	3949929	39583588	+	SYNR1	protein_coding	45.924391	-1.984680509	0.252668803	-1/2	0.333391091	-5.953101049	2.63E-09	4.87E-08
ENSG00000196818	16	57542421	57591681	+	ADGRG5	protein_coding	111.71228	-1.975625105	0.254259731	-1/2	0.229284224	-8.616489468	6.90E-18	3.17E-16
ENSG00000166444	11	8693351	8910951	-	ST5	protein_coding	42.906764	-1.971868712	0.254922618	-1/2	0.358728252	-5.509970809	3.59E-08	5.67E-07
ENSG00000068650	13	112690329	112887168	+	ATP11A	protein_coding	1052.9414	-1.969393152	0.255360422	-1/2	0.098557455	-19.82818343	7.87E-89	4.72E-86
ENSG00000263227	4	16226685	16230140	+	TAPT1-AS1	antisense_RNA	24.059942	-1.968533052	0.255512708	-1/2	0.447975052	-4.394291701	1.11E-05	0.000116567
ENSG00000279434	14	35086035	35088059	+	AL049776.1	TEC	15.198756	-1.956199969	0.257706357	-1/2	0.575390401	-3.400133152	0.00067353	0.0004530813
ENSG00000183248	19	7867139	7874379	+	PRR36	protein_coding	15.957059	-1.955846888	0.257769435	-1/2	0.570422521	-3.428768772	0.000606326	0.004151104
ENSG00000173711	3	141224213	141448792	+	ZBTB38	protein_coding	4.6995259	-1.954492526	0.258010332	-1/2	0.716577935	-2.620761407	0.008773364	0.040916485
ENSG00000095029	10	109174975	109320964	+	EPBA14B	protein_coding	172.83832	-1.947481144	0.259268502	-1/2	0.185286781	-18.421099921	8.20E-36	6.24E-34
ENSG00000171643	5	76850001	76921650	+	S100Z	protein_coding	74.298985	-1.944706516	0.259767614	-1/2	0.254072079	-7.635214429	2.25E-14	7.52E-13
ENSG00000049130	12	88492793	88580851	-	KITLG	protein_coding	31.804515	-1.935330472	0.261461336	-1/2	0.401530942	-8.918787997	1.44E-06	1.78E-05
ENSG00000228526	1	9148011	9196983	-	MIR34AHG	lincRNA	119.70262	-1.935201548	0.261484702	-1/2	0.213250345	-9.074874707	1.14E-19	6.05E-18
ENSG00000185866	22	22547701	22559361	-	PRAME	protein_coding	8.9609727	-1.931785131	0.262104653	-1/2	0.730076693	-2.64600315	0.008144909	0.038568313
ENSG00000166341	11	6612313	6658584	-	DCHS1	protein_coding	24.121043	-1.929199746	0.262574779	-1/2	0.455568815	-4.234705458	2.29E-05	0.000222839
ENSG00000170858	19	54707916	54713453	+	LILRP2	transcribed_processed_pseudogene	93.412524	-1.926972952	0.262980375	-1/2	0.231236098	-8.333569974	7.86E-17	3.22E-15
ENSG00000204488	6	31586124	31588909	+	LS1	antisense_RNA	416.17114	-1.922531017	0.263791317	-1/2	0.140206462	-11.731231768	8.57E-43	1.44E-40
ENSG00000106415	13	28136843	28138193	-	PAN3-AS1	antisense_RNA	38.253885	-1.906806087	0.266815413	-1/2	0.356692732	-5.343776077	9.10E-08	1.36E-06
ENSG00000140465	15	74719542	74725610	-	CYP1A1	protein_coding	57.959355	-1.884532361	0.271089033	-1/2	0.296314883	-6.355163127	2.08E-10	4.46E-09
ENSG00000129521	14	33924321	34062774	-	EGN3	protein_coding	93.87832	-1.881004742	0.271089033	-1/2	0.101310849	-18.421099921	8.85E-32	3.32E-30
ENSG00000137868	15	74179466	74212267	+	STRA6	protein_coding	517.58135	-1.879632493	0.271752932	-1/2	0.093091347	-20.192712211	1.17E-90	7.89E-88
ENSG00000172986	3	72888073	72998138	+	GXYLT2	protein_coding	345.34953	-1.877623706	0.272131558	-1/2	0.130882102	-14.304151512	1.13E-46	2.22E-44
ENSG00000283341	11	43578889	43840030	+	AC068205.2	processed_transcript	24.034661	-1.875393914	0.272					

ENSG00000233093	X	136639543	136642429	+	LINC00892	processed transcript	253.74257	-1.697704308	0.308276258	-1/2	0.159108968	-10.67007301	1.41E-26	1.12E-24
ENSG00000251408	X	6202328	6206649	+	AC113615.1	lincRNA	12.616561	-1.696743201	0.308481697	-1/2	0.608562801	-2.78811521	0.005301569	0.026940947
ENSG00000267519	19	13835416	13836289	+	AC020916.1	lincRNA	131.06703	-1.692647777	0.309363557	-1/2	0.198003968	-8.54838658	1.25E-17	5.58E-16
ENSG00000141540	17	74213514	74262020	+	TTYH2	protein coding	17.040043	-1.692009228	0.309495959	-1/2	0.50696943	-3.34325462	0.00082089	0.00541392
ENSG00000187815	1	40473715	40496343	+	ZF989	protein coding	53.212546	-1.690689872	0.30977994	-1/2	0.345287412	-4.83664548	8.76E-33	1.34E-26
ENSG00000166126	14	10292656	102933596	+	ANN	protein coding	14.837651	-1.688209687	0.310311768	-1/2	0.553833934	-3.048223636	0.002301895	0.112032876
ENSG00000135776	1	229516582	229589565	+	ABC10	protein coding	506.61992	-1.687895865	0.310379275	-1/2	0.116856557	-14.44416902	2.73E-47	5.56E-45
ENSG00000106089	7	73699206	7371972	+	STX1A	protein coding	23.519655	-1.681477696	0.311763147	-1/2	0.437730818	-3.841350958	0.000122359	0.001012567
ENSG0000004660	17	3860315	3894891	+	CAMK1	protein coding	171.90171	-1.679197969	0.31225618	-1/2	0.173866533	-9.657891197	4.55E-22	2.89E-20
ENSG00000133816	11	12094008	12263789	+	MICAL2	protein coding	945.56773	-1.676319647	0.312879785	-1/2	0.087101017	-1.92465955	1.53E-82	7.21E-80
ENSG00000133317	X	613506084	61361774	+	LGALS12	protein coding	58.546889	-1.674066056	0.313368907	-1/2	0.287334477	-5.82619272	5.67E-09	1.01E-07
ENSG00000166432	X	101882288	101932031	+	ZMAT1	protein coding	30.501344	-1.659375706	0.31657161	-1/2	0.386199339	-4.256681891	1.73E-05	0.000175107
ENSG00000214193	1	36306387	36324886	+	SH3D21	protein coding	272.56491	-1.657977881	0.316882989	-1/2	0.145413873	-11.40178614	4.10E-30	3.83E-28
ENSG00000167123	9	128411751	128437351	+	CERAM	protein coding	308.63389	-1.657829583	0.316915564	-1/2	0.143222545	-11.57159985	5.50E-31	5.31E-29
ENSG00000270012	X	49273054	49275768	+	AC23227.1	lincRNA	26.84703	-1.655488335	0.317386939	-1/2	0.420389736	-3.939202906	8.18E-05	0.000794038
ENSG00000269743	X	104099214	104157027	+	SLC25A53	protein coding	49.757379	-1.655288277	0.317474302	-1/2	0.303954654	-5.454662193	5.16E-08	7.95E-07
ENSG00000158050	2	96143166	96145440	+	DUSP2	protein coding	1013.0319	-1.655099646	0.317515814	-1/2	0.10209316	-16.21660646	4.17E-59	1.27E-56
ENSG00000278341	16	88708956	88710437	+	AC138028.6	antisense RNA	18.247512	-1.654659324	0.317612737	-1/2	0.513692629	-3.221103766	0.001276979	0.007924091
ENSG00000184156	8	132120858	132481019	+	KCNQ3	protein coding	125.466939	-1.647984484	0.319085624	-1/2	0.209185209	-7.18711897	3.32E-15	1.19E-13
ENSG00000159335	12	6765516	6770952	+	PTM5	protein coding	1762.7574	-1.645034073	0.319738844	-1/2	0.111498236	-14.7539023	2.90E-49	6.27E-47
ENSG00000196381	19	37667751	37692322	+	ZNF781	protein coding	11.36083	-1.6337248	0.32233831	-1/2	0.640212943	-2.55129623	0.10732325	0.048442411
ENSG0000015850	2	135787840	135837180	+	LCT	protein coding	12.743159	-1.632687309	0.322486951	-1/2	0.586762954	-2.782533044	0.005393637	0.02731212
ENSG00000232810	6	31575567	31578336	+	TNF	protein coding	2100.4362	-1.631159646	0.322828612	-1/2	0.080413375	-20.84604707	1.76E-91	1.22E-88
ENSG00000135406	12	49293252	49298686	+	PRPH	protein coding	347.61108	-1.625663049	0.32460919	-1/2	0.413437596	-3.923549419	8.73E-05	0.000745337
ENSG00000161925	6	158636474	158644739	+	DYN11	protein coding	315.15338	-1.616699901	0.32608794	-1/2	0.129412671	-12.4925866	8.19E-36	1.00E-33
ENSG00000171316	8	60678778	60680878	+	CHD7	protein coding	123.13889	-1.612759217	0.326972408	-1/2	0.203622095	-7.920354808	2.37E-15	1.56E-14
ENSG00000176593	19	58002061	58011232	+	AC008969.1	processed transcript	84.777674	-1.612434533	0.327045997	-1/2	0.24168187	-6.673489609	2.50E-11	6.00E-10
ENSG00000107104	9	470291	746106	+	KANK1	protein coding	237.62059	-1.604367909	0.328879751	-1/2	0.15023863	-10.87879754	1.28E-26	1.02E-24
ENSG00000280035	8	141224288	141226947	+	ACD11676.5	TEC	34.735459	-1.603590573	0.329057002	-1/2	0.392861686	-4.081819711	4.47E-05	0.000470992
ENSG0000008804	20	34704290	34713439	+	TP53NP2	protein coding	101.09968	-1.597829291	0.330373691	-1/2	0.215651415	-4.809315312	1.27E-13	3.89E-12
ENSG00000276337	16	87470370	87474370	+	AC105429.1	sense intronic	30.550144	-1.590108724	0.332146422	-1/2	0.41717052	-3.68276531	0.000230719	0.00177597
ENSG00000128271	22	24417879	2442360	+	ADORA2A	protein coding	22.19405	-1.58385358	0.333589236	-1/2	0.449040078	-3.52720664	0.00419975	0.00301715
ENSG00000136040	12	94148723	9430765	+	PLXNC1	protein coding	925.89043	-1.583716819	0.333621271	-1/2	0.099879013	-15.8563234	1.27E-56	3.52E-54
ENSG00000189159	12	120210439	120265771	+	PCN	protein coding	411.14062	-1.581669051	0.334095151	-1/2	0.117176187	-11.49821234	1.60E-41	2.55E-39
ENSG00000125148	16	56609399	56609399	+	MTZA	protein coding	38.32325	-1.581669051	0.334095151	-1/2	0.144912313	-10.33481198	1.35E-27	1.00E-25
ENSG00000142798	1	21822245	21827297	+	HSFG2	protein coding	24.108868	-1.577445191	0.335074373	-1/2	0.446648040	-3.531740798	0.004121829	0.002967432
ENSG00000187190	8	142449430	142450009	+	ADGRB1	protein coding	14.249532	-1.577331272	0.335101193	-1/2	0.559769769	-2.817821468	0.048350609	0.024869095
ENSG00000212163	2	12763881	127681786	+	LIMS2	protein coding	1004.8422	-1.575734007	0.335472402	-1/2	0.118309706	-13.81872134	1.80E-40	2.83E-38
ENSG00000105204	19	39825350	39834201	+	DYRK1B	protein coding	80.758561	-1.573558803	0.335979287	-1/2	0.237734	-6.618766881	3.62E-11	7.53E-10
ENSG00000185565	6	115802363	115713989	+	LSAMP	protein coding	83.467697	-1.572957454	0.336118661	-1/2	0.256741571	-11.26617706	8.98E-10	1.76E-08
ENSG00000073150	22	50170731	50180294	+	PANX2	protein coding	20.22522	-1.568580821	0.337139876	-1/2	0.472803507	-3.11676125	0.00090789	0.005887387
ENSG00000138640	4	88729555	88811398	+	FAM13A	protein coding	10.82161	-1.565664549	0.337822061	-1/2	0.231151763	-6.773318658	1.26E-11	3.13E-10
ENSG00000148488	10	17318883	17454330	+	ST8SIA6	protein coding	93.790865	-1.563414917	0.338349247	-1/2	0.2387737	-2.647684764	5.84E-11	1.34E-09
ENSG00000140203	3	123284176	123241234	+	FAM162A	protein coding	475.37355	-1.563202526	0.338399062	-1/2	0.133464007	-11.7254008	1.10E-31	1.08E-29
ENSG00000216916	17	3801761	38021272	+	AC027796.1	sense intronic	13.775899	-1.56091463	0.338981837	-1/2	0.604240533	-3.578267001	0.009786955	0.044862274
ENSG00000106018	7	15901875	15914957	+	VIPR2	protein coding	395.08864	-1.56041053	0.339040665	-1/2	0.119802074	-13.02617592	8.83E-39	1.24E-36
ENSG00000157514	X	107137221	10777342	+	TSC2D3	protein coding	439.85876	-1.556968631	0.33986445	-1/2	0.141199921	-11.0266922	2.84E-28	2.45E-26
ENSG00000128045	4	52862290	52866835	+	RASL11B	protein coding	17.76901	-1.554712576	0.340396339	-1/2	0.515323661	-3.01696304	0.00253207	0.014435437
ENSG00000183918	X	124227868	124373197	+	RHD21A	protein coding	114.67243	-1.55378227	0.34061591	-1/2	0.210454266	-7.382992503	1.55E-13	4.72E-12
ENSG00000072422	10	60689438	61001440	+	RHOBTB1	protein coding	43.365331	-1.55236815	0.340949943	-1/2	0.34893337	-4.80985638	8.63E-06	9.26E-05
ENSG00000212743	10	6350316	6352762	+	AL137145.1	lincRNA	18.02766	-1.549250308	0.341687575	-1/2	0.49627011	-3.100813754	0.01929896	0.01132879
ENSG00000185100	14	104724186	104747325	+	ADSSL1	protein coding	18.030237	-1.547009166	0.342218779	-1/2	0.496021765	-3.211883256	0.001815687	0.01721932
ENSG00000213949	5	52787896	52959210	+	ITGA1	protein coding	33.352856	-1.545670673	0.342536428	-1/2	0.36480261	-4.236398899	2.27E-05	0.000221132
ENSG00000097000	1	85156873	85201046	+	SYDE2	protein coding	71.376838	-1.529201793	0.34469007	-1/2	0.255875797	-5.97644234	2.28E-09	4.26E-08
ENSG00000183421	21	41739369	41767106	+	RIPK4	protein coding	40.166735	-1.527777309	0.346811271	-1/2	0.331641956	-4.606706971	1.09E-06	4.66E-05
ENSG00000111664	12	6843954	6847393	+	GNB3	protein coding	131.59725	-1.520278868	0.348618524	-1/2	0.195553040	-4.00546182	6.19E-05	0.000547703
ENSG00000260244	4	155734448	155737062	+	AC104083.1	sense overlapping	13.233185	-1.519080074	0.34908325	-1/2	0.572061769	-2.65447639	0.007920323	0.037616123
ENSG00000180354	7	13034810	13031672	+	MTURN	protein coding	82.16581	-1.511093148	0.350845278	-1/2	0.23053526	-6.42926832	1.28E-10	2.82E-09
ENSG00000181649	11	2928273	2929455	+	PHLDA2	protein coding	45.540604	-1.506104398	0.35206038	-1/2	0.32202885	-4.67692815	2.91E-06	3.42E-05
ENSG0														

ENSG00000137726	11	117836976	11787486	-	FYD6	protein coding	96.092893	1.695264035	3.28361482	->	0.23459508	7.261490659	3.83E-13	1.11E-11
ENSG00000259436	19	42152659	42157523	+	AC010247.2	antisense RNA	12.151272	1.699158023	3.247113972	->	0.640365517	2.65341899	0.007968089	0.037805557
ENSG00000100181	22	16608187	16687472	+	TTFE1	transcribed unprocessed pseudogene	69.83908	1.699825841	3.248617395	->	0.287987385	5.902341599	0.0076809	6.47E-09
ENSG00000258667	14	88024550	88097619	+	LINC01146	lincRNA	12.324287	1.701379334	3.252117388	->	0.62429501	2.715994907	0.006607693	0.032352693
ENSG00000185862	17	31802166	3181412	-	EV2B	protein coding	66.268353	1.702101774	3.255099342	->	0.297882559	5.351868398	3.33E-09	6.05E-08
ENSG00000137731	11	117808844	117828698	-	FXD2	protein coding	36.200229	1.704267981	3.258635488	->	0.371662504	4.585517747	4.53E-06	5.12E-05
ENSG00000270959	3	188151206	188154057	-	IPP-AS2	antisense RNA	60.818485	1.705346688	3.261072991	->	0.27595211	1.680243113	6.40E-10	1.29E-08
ENSG00000261341	19	50776141	50791142	-	AC010325.1	antisense RNA	10.838522	1.705807363	3.262114368	->	0.642308126	2.655746196	0.007913315	0.037636822
ENSG00000232973	2	38073447	38231651	+	CYP1B1-AS1	antisense RNA	13.373741	1.706444612	3.263555587	->	0.21493066	7.940509773	2.01E-15	7.36E-14
ENSG00000143502	1	232220819	232364202	-	SUSD4	protein coding	143.65467	1.713815443	3.280271989	->	0.200725288	8.583114239	1.36E-17	6.05E-16
ENSG00000184384	11	95976598	96343180	-	MAML2	protein coding	40.066781	1.717839889	3.289435192	->	0.3808992	4.509597699	6.48E-06	7.13E-05
ENSG00000253230	8	9900664	9905366	-	LINC00599	lincRNA	35.01322	1.723977283	3.303458642	->	0.170411083	10.11657955	4.66E-24	3.33E-22
ENSG00000060140	12	10618939	10674318	-	STYK1	protein coding	154.4984	1.726047792	3.308203062	->	0.197148863	8.755044147	2.04E-18	9.84E-17
ENSG00000150347	10	61901300	62096944	+	ARID5B	protein coding	1370.8832	1.734894899	3.28525444	->	0.100493155	17.26381167	8.81E-37	3.27E-36
ENSG00000136848	9	121567057	121785330	+	DAB2IP	protein coding	12.673669	1.73990741	3.340137305	->	0.628346447	2.76092563	0.005627421	0.028337686
ENSG00000254048	8	58991720	58992338	-	AC105150.1	sense intronic	32.346649	1.749705196	3.326898408	->	0.405731636	3.124495229	1.61E-05	0.000182775
ENSG00000185477	4	89236386	8938010	-	GPRIN3	protein coding	1845.9284	1.761271469	3.389967563	->	0.083015336	2.116217297	6.77E-100	5.41E-97
ENSG00000128924	22	26521983	26596717	-	TPST2	protein coding	2000.2566	1.769723138	3.409885127	->	0.091712174	19.27976797	7.94E-83	3.81E-80
ENSG00000171121	3	17923661	17927002	-	KCNMB3	protein coding	19.488481	1.772793974	3.417150938	->	0.487119643	6.63939947	0.0027338	0.002062514
ENSG00000141433	18	909443	912172	+	ADCYAP1	protein coding	11.63427	1.773497685	3.418818146	->	0.623581121	2.844052884	0.00445365	0.02319727
ENSG00000115896	2	197804702	198572581	+	PLCL1	protein coding	26.632762	1.774141607	3.420344418	->	0.421101039	4.213101944	1.52E-05	0.00024395
ENSG00000261794	15	30604126	30616561	+	GOLGA8H	protein coding	13.620621	1.778168391	3.429893763	->	0.58850462	3.021495213	0.002515296	0.014235347
ENSG00000233555	1	239703381	239730465	-	CHRM3-AS2	antisense RNA	12.319564	1.779778483	3.433734476	->	0.620482192	2.868838964	0.004125802	0.02173762
ENSG00000162545	1	20482391	20486220	-	CAMK2N1	protein coding	77.096522	1.789824074	3.45772255	->	0.285617884	6.738341749	1.60E-11	3.94E-10
ENSG00000136250	7	36512949	36743449	+	RPL5	protein coding	134.816551	1.793988219	3.46077434	->	0.304218936	8.784206489	1.57E-18	7.58E-17
ENSG0000024826	X	721127110	721131901	-	RT15	protein coding	10.09324	1.799545966	3.481106537	->	0.703749372	4.557083586	0.010555385	0.047761394
ENSG00000237976	1	151346967	151348027	+	AL391069.3	antisense RNA	14.107234	1.80594343	3.496577373	->	0.572223621	3.156009928	0.001599434	0.009594838
ENSG00000261739	15	23354748	23367231	+	GOLGA8S	protein coding	18.166148	1.806169266	3.497127623	->	0.530679134	3.043505302	0.000665271	0.004487829
ENSG00000074966	4	48066393	48134256	-	TXK	protein coding	205.24618	1.81210048	3.511531752	->	0.16599485	10.9163801	9.63E-28	8.16E-26
ENSG00000185304	2	8775595	8782952	-	RGPD2	protein coding	204.12675	1.812783143	3.513193751	->	0.165190758	10.91387753	5.10E-28	4.34E-26
ENSG00000279039	19	20207192	20209789	-	AC011447.6	TEC	23.180731	1.81740365	3.524463463	->	0.465963054	3.900317063	9.61E-05	0.000812299
ENSG00000250400	8	129216467	129241250	-	LINC00977	lincRNA	25.131948	1.819804849	3.530334411	->	0.434862158	4.184785494	2.85E-05	0.000270292
ENSG00000166426	15	78340324	78348230	+	CRRBP1	protein coding	260.06782	1.830631963	3.556928472	->	0.153120178	11.95524041	6.07E-33	6.28E-31
ENSG00000100678	14	70044217	70108970	+	SLC6A3	protein coding	160.64309	1.833904007	3.564959575	->	0.15053421	9.40201762	5.55E-31	3.17E-29
ENSG00000199117	17	56593699	56593699	+	NDP	protein coding	133.30871	1.856261264	3.620641477	->	0.196971606	9.428400328	3.43E-31	2.58E-29
ENSG00000078759	16	56357547	56357547	+	GNAO1	protein coding	173.70079	1.861317963	3.679808121	->	0.19156635	7.22124305	2.45E-11	3.92E-10
ENSG00000227375	3	197298252	197303747	+	DIG1-AS1	antisense RNA	9.6499562	1.866532923	3.646554417	->	0.710775474	6.705612613	0.008638057	0.040372598
ENSG00000251194	11	35212550	35212007	+	AL133303.1	sense intronic	38.306534	1.867382522	3.648699966	->	0.366882448	5.089785609	3.58E-07	4.87E-06
ENSG00000265817	8	94372170	9436952	-	FSBP	protein coding	10.955169	1.869272715	3.653483559	->	0.67933628	7.125165797	0.005930205	0.029598969
ENSG00000111110	12	62643982	62935037	-	PMM1H	protein coding	369.72507	1.879679831	3.679933845	->	0.136557548	13.76474501	4.15E-43	7.18E-41
ENSG0000017115	1	17066761	17119435	-	PADI2	protein coding	36.922912	1.87971578	3.680025542	->	0.34943236	5.800726753	7.42E-08	1.12E-06
ENSG00000183844	14	105049389	105065445	-	GPR132	protein coding	105.62463	1.892156139	3.711895614	->	0.22960918	8.240768672	1.71E-16	6.86E-15
ENSG00000126778	14	60643415	60658259	-	SIX1	protein coding	9.7206884	1.899224252	3.730125711	->	0.704490383	2.69588386	0.007020214	0.033949365
ENSG00000201367	6	15314920	15315026	+	RMU6-5Z2P	snRNA	14.318803	1.903777155	3.741919593	->	0.660262731	2.88363304	0.003945437	0.020887848
ENSG0000027168	6	21664772	22368328	+	CASC15	lincRNA	14.24216	1.909140516	3.758833846	->	0.086915608	21.22527798	4.78E-100	0.00401132
ENSG0000019826	18	45893536	46072372	+	RYR2	protein coding	12.024023	1.91010062	3.786219119	->	0.450878034	4.236245498	2.75E-05	0.00021406
ENSG00000186827	1	1211326	1211438	-	TNFRSF4	protein coding	70.864341	1.910488567	3.793638885	->	0.291956316	6.543749016	6.00E-11	1.37E-09
ENSG0000026508	11	35138870	35232402	+	CD44	protein coding	4472.232	1.924028867	3.79481319	->	0.0673677	28.44611015	5.45E-178	1.68E-174
ENSG00000177685	11	826144	831991	+	CRACR2B	protein coding	308.11853	1.926430027	3.801134374	->	0.149822295	12.85809985	7.75E-38	1.03E-35
ENSG00000167768	12	52674736	52680407	-	KRT1	protein coding	1044.9036	1.927598066	3.804213186	->	0.087411146	22.05208579	9.12E-108	8.57E-105
ENSG00000206127	15	32445106	32455634	+	GOLGA80	protein coding	73.289037	1.94156736	3.841227363	->	0.299780509	6.476267494	9.38E-11	2.09E-09
ENSG0000022515	6	22085544	22089158	+	RM75KP240	misc RNA	11.431835	1.946608102	3.854671995	->	0.670692344	2.902386049	0.003703319	0.019825968
ENSG00000164483	6	130144315	130365425	-	SAMD3	protein coding	65.465614	1.954533147	3.875904831	->	0.27918371	7.000885221	2.54E-12	6.71E-11
ENSG0000026091	12	8259586	8396803	-	LINC00937	lincRNA	32.817414	1.96001312	3.890655173	->	0.41128312	6.00053331	1.88E-06	2.29E-05
ENSG00000224001	3	18774686	187746028	+	BC1G-AS1	protein coding	10.624023	1.965289449	3.904910411	->	0.68383959	2.877270187	0.00401132	0.021248489
ENSG00000152129	18	45893536	46072372	+	PSYIP2	protein coding	12.14749	1.969520006	3.91637968	->	0.217037364	6.91352211	1.14E-19	6.04E-18
ENSG00000229440	8	129351691	129360239	+	CDC2C6	lincRNA	109.97146	1.974258687	3.929262853	->	0.2193222	9.001636351	2.22E-19	1.17E-17
ENSG00000115956	2	6885173	68897345	+	PLEK	protein coding	7.9563125	1.985635755	3.960371464	->	0.771838239	2.572605789	0.01009361	0.049592387
ENSG00000134955	11	125063067	125090912	+	SLC37A2	protein coding	45.789542	1.99123141	3.978220219	->	0.330153383	6.002139224	1.60E-09	3.04E-08
ENSG0000018777														

ENSG0000010665	11	2295645	2303409	-	C11orf21	protein coding	27.837729	2.432317638	5.397598396	->	0.453952195	5.358092025	8.41E-08	1.26E-06
ENSG00000159527	1	153297862	153310718	-	PGLYRP3	protein coding	11.745559	4.435254546	5.408597529	->	0.690522855	3.526620333	0.000420802	0.003016677
ENSG00000277301	20	32509959	3250285	+	AL034550.2	antisense RNA	96.997621	2.441555112	5.432269713	->	0.241351771	10.1160822	4.68E-24	3.33E-22
ENSG0000020771	6	71602128	21602383	+	BOLA2P3	processed pseudogene	14.524391	2.445664958	5.447766837	->	0.606815526	4.030236934	5.57E-05	0.000496901
ENSG0000028953	10	128181032	128317726	+	LINC01163	lincRNA	14.647295	2.47904717	5.507032862	->	0.616097171	5.670406887	4.6E-05	0.000529593
ENSG0000049859	8	127794533	128101253	+	PVT1	lincRNA	134.555232	2.480144533	5.579532815	->	0.210448977	11.78495902	4.67E-32	4.69E-30
ENSG00000185522	11	558855	560779	+	LMNTD2	protein coding	23.31155	2.498174982	5.649702818	->	0.498924908	5.100138722	3.39E-07	4.64E-06
ENSG00000152953	4	5051442	5500998	+	STK32B	protein coding	28.031724	2.504147513	5.67314010	->	0.448111426	5.588225058	2.29E-08	3.73E-07
ENSG00000259293	15	58434890	58498735	-	LIPC-AS1	antisense RNA	39.094055	2.509910323	5.695846723	->	0.384087877	6.53472936	6.37E-11	1.45E-09
ENSG00000145850	5	156919282	156963255	-	TIMD4	protein coding	19.37124	2.514115137	5.712471797	->	0.549768421	4.57304926	4.81E-06	5.41E-05
ENSG00000132426	19	8490056	8503112	-	PRAM1	protein coding	62.471724	2.514702336	5.714797332	->	0.310376155	6.088841734	6.22E-16	2.38E-14
ENSG00000078589	X	7894532	78961954	+	P2RY10	protein coding	34.201515	2.530261891	5.776765337	->	0.405625111	6.233927025	4.43E-10	9.15E-09
ENSG00000166780	16	15434295	15625020	+	C16orf45	protein coding	33.679046	2.539212733	5.81271725	->	0.41667894	6.093931059	1.10E-09	2.13E-08
ENSG00000138944	22	44243667	44312851	+	KIAA1644	protein coding	46.37745	2.54233553	5.82531284	->	0.13050814	19.48028316	1.61E-84	8.11E-82
ENSG00000247774	12	47203898	47216456	-	LIF	protein coding	63.979658	2.602074884	6.071592153	->	0.332738044	7.620186764	5.28E-15	1.86E-13
ENSG00000128342	22	30240447	30246851	+	PVT1	lincRNA	7653.0238	2.612541504	6.11580117	->	0.09267945	28.18900513	7.98E-175	2.15E-171
ENSG00000171011	19	51176328	51175254	+	SIGLEC17P	transcribed unprocessed pseudogene	63.767431	2.616118474	6.130983295	->	0.313379206	6.38492079	6.94E-17	2.87E-15
ENSG00000262580	17	80200673	80205949	-	AC087741.1	antisense RNA	9.8071495	2.617793482	6.138105668	->	0.769744387	3.400666702	0.00067174	0.004522996
ENSG00000036217	17	42458844	42526111	+	ATP6V0A1	protein coding	7.360413	2.621466397	6.1537524	->	0.873984779	2.999441706	0.002704749	0.015163857
ENSG00000157570	11	44726465	44932421	+	TSPAN18	protein coding	255.18509	2.627520203	6.179628899	->	0.166825409	15.75011993	6.86E-56	1.81E-53
ENSG00000114805	3	155375580	155745067	-	PLCH1	protein coding	229.44567	2.641984912	6.241898561	->	0.171404881	15.41370876	1.32E-53	3.18E-51
ENSG00000203943	1	84298366	84389957	+	SAMD13	protein coding	8.8311355	2.65411619	6.29466049	->	0.804055445	3.300911105	0.00963711	0.006204682
ENSG00000164949	8	94249753	94262350	+	GEM	protein coding	254.37314	2.656664122	6.305733165	->	0.166425211	25.119025	2.31E-57	6.57E-55
ENSG00000099204	10	114413113	114485003	-	ABL1M1	protein coding	150.91291	2.677760708	6.398619633	->	0.218981213	12.2226683	2.70E-34	2.50E-32
ENSG00000112303	6	132743870	132763459	-	VNO2	protein coding	8.7053368	2.68472317	6.438030786	->	0.83082251	3.23398351	0.001230705	0.00761243
ENSG00000181458	3	100492619	10057444	+	TMEM45A	protein coding	8.5265191	2.68785175	6.47702483	->	0.82294594	15.770268154	4.94E-44	1.3E-43
ENSG00000243398	1	127737326	127723791	+	RN75L141P	misc RNA	5.1824755	2.690672303	6.456141966	->	1.05193366	2.55783305	0.10532596	0.047670257
ENSG00000124429	X	85277396	85279743	+	POF1B	protein coding	32.264564	2.706764424	6.52858239	->	0.434438366	6.290491215	4.65E-10	9.55E-09
ENSG00000076565	11	119308529	119321521	-	MCAM	protein coding	502.56029	2.715504303	6.568228433	->	0.135123679	20.09643553	7.93E-90	5.04E-87
ENSG00000166095	9	132725578	13287877	+	AK8	protein coding	9.0631944	2.723480939	6.60464633	->	0.807629421	3.37219134	0.00045726	0.004965456
ENSG00000150637	18	69831158	69861803	-	CD226	protein coding	344.32532	2.750056498	6.72434773	->	0.142370704	17.31530424	3.99E-83	1.96E-80
ENSG00000258989	16	12560756	12611044	+	AC010333.2	antisense RNA	7.5127269	2.757846437	6.763858305	->	0.962152524	2.866411068	0.00451548	0.02183605
ENSG00000169398	8	140657900	141002216	-	PTK2	protein coding	40.46657	2.780051334	6.868767893	->	0.389020066	6.868767893	8.92E-33	2.50E-31
ENSG00000088882	20	2794069	2800637	+	CPXM1	protein coding	143.32298	2.792176742	6.926741054	->	0.213128594	17.1006164	3.25E-39	4.66E-37
ENSG00000193679	9	9793679	9794485	-	HEXA	protein coding	22.282033	2.795272317	6.943807976	->	0.519014519	5.386066631	7.18E-08	1.09E-06
ENSG00000221844	9	11848622	12578345	+	MIR3681HG	lincRNA	726.23511	2.8163752	7.069648204	->	0.18914515	15.770268154	4.94E-44	1.3E-43
ENSG00000227333	1	148159213	148255012	+	AC239809.3	lincRNA	5.2862441	2.825572557	7.088882786	->	1.08717058	2.898860676	0.00935255	0.04316184
ENSG00000158296	20	46557822	46648447	+	SLC13A3	protein coding	15.230433	2.835024875	7.135551186	->	0.642881184	4.409873778	1.03E-05	0.000109123
ENSG00000236717	9	92150382	92157445	+	AL354751.2	unprocessed pseudogene	8.6621496	2.8551664	7.235869607	->	0.85077545	3.185594571	0.007090808	0.005292326
ENSG00000248596	5	176143085	176185155	-	AC139491.2	processed transcript	25.094823	2.86484278	7.28456477	->	0.51869756	5.523229925	3.33E-08	5.29E-07
ENSG00000171388	X	129645259	129645937	+	APLN	protein coding	1678.771	2.870210844	7.311720103	->	0.29688928	9.667592497	4.14E-22	2.65E-20
ENSG00000103852	15	99136323	99251223	+	TTG23	protein coding	25.033044	2.875335564	7.337738872	->	0.495802825	5.799352927	6.66E-09	1.16E-07
ENSG00000256582	12	9740077	9709350	+	LINC02390	lincRNA	7.4871628	2.884246482	7.383201214	->	0.930436195	3.099866373	0.001935949	0.011342007
ENSG00000228663	1	160670778	16069761	+	AL121985.1	antisense RNA	17.241057	2.892893885	7.427588475	->	0.609224172	4.74810413	2.05E-06	2.47E-05
ENSG0000018730	6	9316770	90117105	-	AL117342.1	processed pseudogene	10.565028	2.897162864	7.448859948	->	0.773445648	3.745787271	0.000179829	0.001435376
ENSG00000188004	8	133478899	133541206	-	FXR2	protein coding	52.15634	2.9031956	7.503530778	->	0.3161554	15.770268154	3.82E-108	3.76E-105
ENSG00000257242	12	91984976	91241934	+	LINC01619	processed transcript	41.227504	2.91994836	7.557949274	->	0.39851312	7.321319829	2.46E-13	2.9E-12
ENSG00000099954	22	17359949	17581149	+	CECR2	protein coding	96.72714	2.961089363	7.787117428	->	0.274563801	10.78470415	4.07E-27	3.34E-25
ENSG00000232216	14	106470264	106470800	-	IGHV3.43	IG gene	15.59268	2.968250326	7.825865557	->	0.668836563	4.437930173	9.08E-06	9.70E-05
ENSG00000132694	1	156934840	157045370	+	ARHGFE11	protein coding	117.47844	2.99450237	7.969572675	->	0.245548303	12.19516623	3.30E-34	6.99E-32
ENSG00000137747	11	117906643	117929549	-	TMPSR513	protein coding	17.910396	3.00474986	8.026382224	->	0.606452378	4.954643475	7.25E-07	9.39E-06
ENSG00000107147	9	135702185	135795508	+	KCNT1	protein coding	32.654912	3.038554172	8.216671731	->	0.448869875	6.7693406	1.29E-11	3.21E-10
ENSG00000140373	X	88747225	88745785	+	CPXCR1	protein coding	5.0926139	3.03863112	8.217212576	->	1.156017959	2.6285342	0.008575365	0.003131669
ENSG00000231749	21	36430360	36481070	+	AP000695.1	antisense RNA	4.8700813	3.04782168	8.26767808	->	1.146299704	2.65853878	0.007840033	0.03736722
ENSG00000197935	6	23904785	23909216	-	ZNF311	protein coding	2.295646	3.05380711	8.303276327	->	0.9404641	3.63315334	0.000277837	0.002093174
ENSG00000188004	1	16903667	169241698	-	SELL	protein coding	78.61534	3.06314566	8.47155048	->	0.36422556	8.40083224	4.28E-17	1.82E-15
ENSG00000091409	2	172472354	172506282	+	ITGA6	protein coding	60.89201	3.07172626	8.407787864	->	0.266287818	8.8007475	0	0
ENSG00000105366	19	51450847	51458456	-	SIGLEC8	protein coding	4.972303	3.084692031	8.483690743	->	1.141391033	2.702572513	0.006880517	0.033438448
ENSG00000234663	2	181101932	181399559	+	LINC01934	lincRNA	42.904235	3.086041899	8.491632284	->	0.397970847	7.54442116	8.87E-15	3.05E-13
ENSG00000237233	10	61652369	61481956											

ENSG00000183134	11	60850940	60855971	-	PTGDR2	protein coding	249.38117	4.398819465	21.09485792	>-2	0.223354523	19.69433797	2.41E-86	1.27E-83
ENSG00000100557	14	57469301	57498867	-	CDC198	protein coding	2.1226904	4.437910623	21.67425684	>-2	1.699607997	2.61137763	0.009024153	0.04185123
ENSG00000079215	5	36606355	36688334	+	SLC1A3	protein coding	91.363661	4.443731153	21.76187792	>-2	0.367423802	12.0942931	1.13E-33	1.22E-31
ENSG00000204262	2	189031896	189179879	-	COL5A2	protein coding	140.96965	4.446932222	21.81021705	>-2	0.337316819	13.1832508	1.10E-39	1.60E-37
ENSG00000237600	7	36463023	36506513	+	AC008960.2	antisense RNA	2.1960822	4.478330768	22.29099357	>-2	1.692591113	2.645843248	0.008148757	0.03856957
ENSG00000262326	16	25071490	25072727	-	AC132552.4	unprocessed pseudogene	4.538201	4.502405285	22.66517327	>-2	1.431779516	3.144621844	0.001663016	0.009907026
ENSG00000283559	5	176143450	176156989	-	AC139491.6	transcribed unprocessed pseudogene	2.3071858	4.554402001	23.49697289	>-2	1.663857988	2.737256442	0.006195432	0.030632652
ENSG00000159708	16	67326798	67385203	+	LRR36	protein coding	13.301915	4.603757066	24.31470304	>-2	0.959014239	4.800509608	1.58E-06	1.95E-05
ENSG00000174460	X	118823790	118826968	+	ZCCHC12	protein coding	5.01379	4.660202268	25.2848667	>-2	1.428063397	3.263302089	0.001101221	0.006967518
ENSG00000226149	6	129526626	129525287	-	AL356124.1	lincRNA	2.5894625	4.723476726	26.41850139	>-2	1.615308643	2.924194547	0.003453488	0.018673554
ENSG00000181634	9	114784635	114806126	-	TNFSF15	protein coding	33.152103	4.727825564	26.49825707	>-2	0.62813796	7.526731172	5.20E-14	1.66E-12
ENSG00000253958	8	8701938	8704106	+	CLDN23	protein coding	2.6561931	4.753914335	26.98179335	>-2	1.633782338	2.909759901	0.003617065	0.019446112
ENSG00000142973	1	46757838	46819413	+	CYP4B1	protein coding	5.478436	4.784860251	27.56680667	>-2	1.402527858	3.411597299	0.000645834	0.004375837
ENSG00000169508	13	99294530	99307405	-	GPR183	protein coding	96.980773	4.838209328	28.60527539	>-2	0.393172457	12.3056528	8.45E-35	9.87E-33
ENSG00000211820	14	22320188	22320691	+	TRAV41	TR V gene	11.021133	4.890354478	29.65810425	>-2	1.142688892	4.279697712	1.87E-05	0.000186174
ENSG00000218007	3	46353734	46360928	+	CCR2	protein coding	37.944929	4.892883681	29.71014376	>-2	0.643886673	7.599218143	2.98E-14	9.69E-13
ENSG00000179639	1	159289714	159308224	+	FCER1A	protein coding	26.584345	4.896653531	29.78787969	>-2	0.736956551	6.64442636	3.04E-11	7.24E-10
ENSG00000211818	14	22304054	22304553	+	TRAV39	TR V gene	2.9740258	4.91631763	30.19667152	>-2	1.581045971	3.109534903	0.001873821	0.01103206
ENSG00000225963	2	230121370	230174223	+	AC009950.1	antisense RNA	3.0027299	4.927256776	30.42650618	>-2	1.587387428	3.104039025	0.001909208	0.011209853
ENSG00000235192	2	165794851	165810010	+	AC009495.3	lincRNA	3.0274043	4.938208457	30.65835653	>-2	1.602731011	3.100812176	0.002062227	0.011994223
ENSG00000225670	1	159194325	159207973	-	CADM3-AS1	antisense RNA	3.1584565	5.013063872	32.29108187	>-2	1.561478317	3.210460125	0.001325227	0.00818533
ENSG00000237346	6	14391231	14393288	-	AL080313.2	lincRNA	3.3607448	5.098780408	34.26777006	>-2	1.532359795	3.325451058	0.000882756	0.005746824
ENSG00000261208	14	52286797	52289268	+	AL365475.1	processed pseudogene	36.68195	5.130252568	35.02352936	>-2	0.670746576	7.648570646	2.03E-14	6.80E-13
ENSG00000179593	17	8039177	8049134	+	ALOX15B	protein coding	3.5629684	5.189442152	36.49032643	>-2	1.551781184	3.344184222	0.000825249	0.005423102
ENSG00000154269	6	131628442	131747418	+	ENP93	protein coding	3.7164133	5.240472668	37.80414884	>-2	1.490470252	3.515986087	0.000438124	0.003123241
ENSG00000172243	12	10116777	10130258	-	CLEC7A	protein coding	13.954273	5.246297345	37.95708629	>-2	1.139598818	4.603635298	4.15E-06	4.73E-05
ENSG0000016490	1	86468368	86500289	+	CLCA1	protein coding	14.408144	5.377933767	41.5833409	>-2	1.132299617	4.74959777	2.04E-06	2.46E-05
ENSG00000249510	8	94201913	94203052	-	AP003478.1	processed pseudogene	4.2698349	5.44467112	43.55212236	>-2	1.461792297	3.724654066	0.000195583	0.001545141
ENSG00000259876	16	12563533	12557694	-	AC010333.1	antisense RNA	4.2698349	5.447819853	43.6472802	>-2	1.461958257	3.724443704	0.000189631	0.001504511
ENSG00000168229	14	52267713	52276724	+	PTGDR	protein coding	31.592235	5.460428931	44.03042702	>-2	0.786956191	6.302849517	3.96E-12	1.02E-10
ENSG00000203783	14	153217584	153219317	+	PRR9	protein coding	4.4498895	5.502691789	45.33934955	>-2	1.44695628	6.802849676	0.000142987	0.001167623
ENSG00000181847	3	114216913	114310288	+	TIGIT	protein coding	24.450936	5.531133488	46.24141012	>-2	0.909652103	6.080471279	1.20E-09	2.31E-08
ENSG00000237438	22	17036570	17060825	+	CECR7	transcribed unprocessed pseudogene	9.2879406	5.578912186	47.79912111	>-2	1.316364061	4.23812253	2.25E-05	0.00022007
ENSG00000117090	1	160608100	160647295	-	SLAMF1	protein coding	311.3521	5.725503483	52.91128252	>-2	0.289959083	19.74590148	8.70E-87	4.86E-84
ENSG00000241229	20	44007248	44007537	+	RM75L443P	misc RNA	11.903983	5.945334741	61.62034015	>-2	1.286072139	4.622862559	3.78E-06	4.94E-05
ENSG00000229646	6	14597514	14596690	-	AL109914.1	lincRNA	6.9948847	6.157523848	71.38375301	>-2	1.359494317	4.529275164	5.92E-06	6.56E-05
ENSG00000226673	6	14280127	14285454	-	LINC01108	lincRNA	115.59084	6.181338703	72.57187817	>-2	0.511880143	12.07575404	1.42E-33	1.50E-31
ENSG00000164530	6	36948263	36948337	+	PI16	protein coding	47.013035	6.488235137	89.7745827	>-2	0.890934336	7.28250655	3.28E-13	9.58E-12
ENSG00000163106	4	94298535	9434876	-	HPGD5	protein coding	24.972277	7.991525645	254.5006702	>-2	1.232404177	6.484500614	8.90E-11	1.99E-09

Supplemental Table 24. Biotype classification of the differentially expressed transcripts for the LINC01871-/- RNA-seq analysis

Order	Major Biotype Class	Biotype	All Transcripts	LINC01871-/- vs Unmod		
				DE?	FC ≥ 2	FC ≤ 0.5
1	protein coding	protein coding	13534	914	221	693
2	protein coding	IG V gene	9	1	1	0
3	protein coding	TR V gene	17	2	2	0
4	protein coding	IG C gene	1	0	0	0
5	protein coding	TR C gene	4	0	0	0
6	protein coding	TR J gene	13	0	0	0
7	protein coding	IG J gene	0	0	0	0
8	long noncoding	antisense	1794	63	30	33
9	long noncoding	lincRNA	1485	76	27	49
10	long noncoding	sense intronic	548	16	4	12
11	long noncoding	sense overlapping	101	6	1	5
12	long noncoding	3prime overlapping ncrna	6	0	0	0
13	pseudogene	processed pseudogene	1303	18	7	11
14	pseudogene	unprocessed pseudogene	248	13	5	8
15	pseudogene	transcribed unprocessed pseudogene	306	13	4	9
16	pseudogene	pseudogene	2	0	0	0
17	pseudogene	transcribed processed pseudogene	155	2	0	2
18	pseudogene	unitary pseudogene	12	1	0	1
19	pseudogene	polymorphic pseudogene	2	0	0	0
20	pseudogene	IG C pseudogene	1	0	0	0
21	pseudogene	IG V pseudogene	5	0	0	0
22	pseudogene	TR V pseudogene	4	0	0	0
23	pseudogene	translated unprocessed pseudogene	0	0	0	0
24	pseudogene	transcribed unitary pseudogene	38	3	0	3
25	short noncoding	processed transcript	239	11	4	7
26	short noncoding	miRNA	395	2	0	2
27	short noncoding	misc RNA	355	8	5	3
28	short noncoding	snoRNA	223	0	0	0
29	short noncoding	snRNA	270	6	2	4
30	short noncoding	Mt tRNA	15	0	0	0
31	short noncoding	rRNA	43	0	0	0
32	short noncoding	scaRNA	18	0	0	0
33	short noncoding	Mt rRNA	2	0	0	0
34	To Experimentally Confirm	TEC	388	11	5	6

Supplemental Table 25. Ingenuity Pathway Analysis (IPA) of the differentially expressed transcript list from the LINC01871/- RNA-seq analysis				
Ingenuity Canonical Pathways	-log(p-value)	Ratio	z-score	Molecules
Cardiac (E)-adrenergic Signaling	1.52E+00	7.86E-02	-2.646	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, GNB3, GNB4, PKIB, PRKAR2A, RYR2, SLC8A3
Nitric Oxide Signaling in the Cardiovascular System	1.29E+00	8.08E-02	-2.646	CACNA1A, CACNA1C, CACNA1D, GUCY1A1, PGF, PIK3R6, PRKAR2A, RYR2
eNOS Signaling	3.17E-01	4.40E-02	-2.646	ADCY1, ADCY6, CHRNA3, GUCY1A1, PGF, PIK3R6, PRKAR2A
3-phosphoinositide Biosynthesis	8.42E-01	6.06E-02	-2.53	DUSP16, DUSP2, DUSP23, NUDT11, PDCD1, PIK3R6, PPFIA4, PPM1H, PTPN13, PTPRH
GNRH Signaling	3.54E+00	1.04E-01	-2.496	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, CACNA2D4, EGR1, FOS, GNA11, GNB3, HBEGF, MAP3K5, MMP2, NFKB1, PRKAR2A, PTK2, PXN, RASD1
Chondroitin Sulfate Biosynthesis	1.57E+00	1.07E-01	-2.449	B3GAT1, CHST15, GAL3ST2, HS3ST3B1, HS6ST2, NDST3
Dermatan Sulfate Biosynthesis	1.47E+00	1.02E-01	-2.449	B3GAT1, CHST15, GAL3ST2, HS3ST3B1, HS6ST2, NDST3
GDNF Family Ligand-Receptor Interactions	1.44E+00	9.21E-02	-2.449	FOS, GAB1, GFRA3, IRS1, PIK3R6, RASD1, RET
Heparan Sulfate Biosynthesis	8.96E-01	7.23E-02	-2.449	B3GAT1, CHST15, GAL3ST2, HS3ST3B1, HS6ST2, NDST3
Relaxin Signaling	1.69E+00	8.05E-02	-2.333	ADCY1, ADCY6, FOS, GNA11, GNAO1, GNB3, GNB4, GUCY1A1, MMP9, NFKB1, PIK3R6, PRKAR2A
D-myo-inositol (1,4,5,6)-Tetrakisphosphate Biosynthesis	8.93E-01	6.38E-02	-2.333	DUSP16, DUSP2, DUSP23, NUDT11, PDCD1, PPFIA4, PPM1H, PTPN13, PTPRH
D-myo-inositol (3,4,5,6)-tetrakisphosphate Biosynthesis	8.93E-01	6.38E-02	-2.333	DUSP16, DUSP2, DUSP23, NUDT11, PDCD1, PPFIA4, PPM1H, PTPN13, PTPRH
3-phosphoinositide Degradation	7.21E-01	5.81E-02	-2.333	DUSP16, DUSP2, DUSP23, NUDT11, PDCD1, PPFIA4, PPM1H, PTPN13, PTPRH
Cardiac Hypertrophy Signaling	2.29E+00	7.92E-02	-2.324	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, GNA11, GNAO1, GNB3, GNB4, IRS1, MAP3K5, NFATC4, PIK3R6, PLCH1, PLCL1, PRKAR2A, RASD1, RHOBTB1, RND3
Superpathway of Inositol Phosphate Compounds	9.32E-01	6.06E-02	-2.309	DUSP16, DUSP2, DUSP23, ITPKA, NUDT11, PDCD1, PIK3R6, PLCH1, PPFIA4, PPM1H, PTPN13, PTPRH
Dermatan Sulfate Biosynthesis (Late Stages)	1.40E+00	1.09E-01	-2.236	CHST15, GAL3ST2, HS3ST3B1, HS6ST2, NDST3
Chondroitin Sulfate Biosynthesis (Late Stages)	1.33E+00	1.04E-01	-2.236	CHST15, GAL3ST2, HS3ST3B1, HS6ST2, NDST3
CDK5 Signaling	8.04E-01	6.48E-02	-2.236	ADCY1, ADCY6, CACNA1A, EGR1, ITGA6, PRKAR2A, RASD1
Melanocyte Development and Pigmentation Signaling	7.19E-01	6.38E-02	-2.236	ADCY1, ADCY6, KITLG, PIK3R6, PRKAR2A, RASD1
Heparan Sulfate Biosynthesis (Late Stages)	6.93E-01	6.58E-02	-2.236	CHST15, GAL3ST2, HS3ST3B1, HS6ST2, NDST3
SAPK/JNK Signaling	6.14E-01	5.88E-02	-2.236	GAB1, GNB3, IRS1, MAP3K5, PIK3R6, RASD1
FCε2 Receptor-mediated Phagocytosis in Macrophages and Monocytes	4.62E-01	5.32E-02	-2.236	ACTG2, CSF2, HMOX1, LYN, PXN
AMPK Signaling	0.00E+00	3.77E-02	-2.236	AK8, CHRNA3, IRS1, PFKFB2, PFKFB4, PIK3R6, PPM1H, PRKAR2A
Colorectal Cancer Metastasis Signaling	4.74E+00	1.03E-01	-2.132	ADCY1, ADCY6, FOS, FZD1, FZD8, GNB3, GNB4, IL6ST, LRP6, MMP2, MMP9, MMP25, MMP9, NFKB1, PGF, PIK3R6, PRKAR2A, RASD1, RHOBTB1, RND3, TCF7L1, TLR1, TLR2, TNF, WNT10A, WNT11, WNT7B
Synaptogenesis Signaling Pathway	1.47E+00	6.41E-02	-2.065	ADCY1, ADCY6, CDH17, CDH2, CHN1, CPLX1, EFNB3, EPHA3, FARP1, LYN, MAP1B, MARCKS, NRXN3, PIK3R6, PRKAR2A, RASD1, SNCB, STX1A, SYT7, THBS1
Oncostatin M Signaling	1.51E+00	1.16E-01	-2	IL6ST, MT2A, PLAU, RASD1, TIMP3
Neurotrophin/Trk Signaling	6.93E-01	6.58E-02	-2	FOS, GAB1, MAP3K5, PIK3R6, RASD1
PDGF Signaling	5.53E-01	5.81E-02	-2	FOS, PDGFR, PDGFRB, PIK3R6, RASD1
Glioma Signaling	3.23E-01	4.55E-02	-2	CAMK1, PDGFR, PDGFRB, PIK3R6, RASD1
Cardiac Hypertrophy Signaling (Enhanced)	3.90E+00	7.82E-02	-1.976	ACE, ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, CLCF1, CSF2, EDA, FZD1, FZD8, GNA11, GNB3, IL17RB, IL1R1L, IL31RA, IL36A, IL6ST, IL7R, LIF, MAP3K5, NFATC4, NFKB1, PIK3R6, PLCH1, PLCL1, PRKAR2A, PTK2, RASD1, RYR2, TGFB3, TNF, TNFSF12, TNFSF15, TNFSF8, WNT10A, WNT11, WNT7B
White Adipose Tissue Browning Pathway	1.39E+00	7.75E-02	-1.897	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, CACNA2D4, CTBP2, FCER1A, GUCY1A1, PRKAR2A
D-myo-inositol-5-phosphate Metabolism	9.55E-01	6.41E-02	-1.897	DUSP16, DUSP2, DUSP23, NUDT11, PDCD1, PLCH1, PPFIA4, PPM1H, PTPN13, PTPRH
Dopamine-DARPP32 Feedback in cAMP Signaling	8.66E-01	6.13E-02	-1.897	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, CAMKK1, GUCY1A1, PLCH1, PLCL1, PRKAR2A
IGF-1 Signaling	2.43E+00	1.06E-01	-1.89	CCN1, FOS, GRB10, IGFBR4, IRS1, PIK3R6, PRKAR2A, PTK2, PXN, RASD1, SFN
PAK Signaling	1.33E+00	8.25E-02	-1.89	EPHA3, PDGFR, PDGFRB, PIK3R6, PTK2, PXN, RASD1, TNF
Mouse Embryonic Stem Cell Pluripotency	1.21E+00	7.77E-02	-1.89	FZD1, FZD8, ID1, IL6ST, LIF, PIK3R6, RASD1, TCF7L1
Gαs Signaling	3.34E+00	1.21E-01	-1.732	ADCY1, ADCY6, ADD2, ADORA2A, GLP1R, GNB3, GNB4, PRKAR2A, PTGDR, RAPGEF4, RYR2, VIPR1, VIPR2
Systemic Lupus Erythematosus In B Cell Signaling Pathway	2.62E+00	8.00E-02	-1.706	CD79A, CLCF1, CSF2, EDA, FOS, GAB1, IFIT3, IL36A, IL6ST, IRF5, LIF, LYN, NFATC4, NFKB1, PDCD1, PIK3R6, PIM2, RASD1, TNF, TNFSF12, TNFSF15, TNFSF8
Adrenomedullin signaling pathway	2.87E+00	9.14E-02	-1.698	ADCY1, ADCY6, ADM, FOS, GNA11, GUCY1A1, IL36A, KCNQ3, MMP2, NFKB1, PIK3R6, PLCH1, PLCL1, PRKAR2A, PTK2, RASD1, TFAP2C, TNF
GPCR-Mediated Integration of Endocrine Signaling Exemplified by an L Cell PPARα/RXRα Activation	1.29E+00	6.84E-02	-1.667	ABCA1, ADCY1, ADCY6, GNA11, GPD2, IL1R1L, IRS1, NFKB1, PLCH1, PLCL1, PRKAR2A, RASD1, TGFB3
GP6 Signaling Pathway	1.24E+00	7.56E-02	-1.667	COL16A1, COL1A1, COL5A2, COL6A1, COL6A2, COL9A3, LYN, PIK3R6, PTK2
Gαq Signaling	1.22E+00	7.01E-02	-1.667	ARHGAP25, AVPR1B, GNA11, GNB3, GNB4, HMOX1, NFATC4, NFKB1, PIK3R6, RHOBTB1, RND3
B Cell Receptor Signaling	1.09E+00	6.49E-02	-1.667	CD79A, EBF1, EGRI, GAB1, LYN, MAP3K5, NFATC4, NFKB1, PAX5, PIK3R6, PTK2, RASD1
Production of Nitric Oxide and Reactive Oxygen Species in Macrophages	6.07E-01	5.32E-02	-1.667	FOS, IRF8, MAP3K5, NCF4, NFKB1, PIK3R6, RHOBTB1, RND3, TLR2, TNF
Basal Cell Carcinoma Signaling	2.00E+00	1.10E-01	-1.633	BMP10, FZD1, FZD8, PTCH1, TCF7L1, WNT10A, WNT11, WNT7B
VEGF Signaling	9.28E-01	7.00E-02	-1.633	ACTG2, PGF, PIK3R6, PTK2, PXN, RASD1, SFN
HGF Signaling	7.62E-01	6.31E-02	-1.633	FOS, GAB1, MAP3K5, PIK3R6, PTK2, PXN, RASD1
PD-1, PD-L1 cancer immunotherapy pathway	5.67E-01	5.66E-02	-1.633	CD28, FOXP3, HLA-DQB1, PDCD1, PIK3R6, TNF

Pancreatic Adenocarcinoma Signaling	5.35E-01	5.50E-02	-1.633	HBEGF,HMOX1,MMP9,NFKB1,PGF,PIK3R6
GPCR-Mediated Nutrient Sensing in Enteroendocrine Cells	2.19E+00	9.82E-02	-1.508	ADCY1,ADCY6,CACNA1A,CACNA1C,CACNA1D,CACNA2D4,GNA11,PLCH1,PLCL1,PRKAR2A,RAPGEF4
Wnt/Ce \leq -catenin Signaling	1.91E+00	8.09E-02	-1.508	CD44,CDH2,FZD1,FZD8,GNAO1,KREMEN2,LRP6,SOX13,TCF7L1,TGFBF3,TLF4,WNT10A,WNT11,WNT7B
Role of NFAT in Cardiac Hypertrophy	2.47E+00	8.41E-02	-1.5	ADCY1,ADCY6,CACNA1A,CACNA1C,CACNA1D,CACNA2D4,CAMK1,GNB3,GNB4,IL6ST,LIF,NFATC4,PIK3R6,PLCH1,PLCL1,PRKAR2A,RASD1,SLC8A3
Renin-Angiotensin Signaling	2.02E+00	9.32E-02	-1.414	ACE,ADCY1,ADCY6,CCL5,FOS,NFKB1,PIK3R6,PRKAR2A,PTK2,RASD1,TNF
Ovarian Cancer Signaling	2.31E+00	9.35E-02	-1.342	CD44,FZD1,FZD8,MMP2,MMP9,PGF,PIK3R6,PRKAR2A,RASD1,TCF7L1,WNT10A,WNT11,WNT7B
PCP pathway	1.41E+00	9.84E-02	-1.342	CELSR1,FZD1,FZD8,WNT10A,WNT11,WNT7B
ERK5 Signaling	1.12E+00	8.33E-02	-1.342	FOS,GAB1,IL6ST,LIF,RASD1,SFN
Role of Wnt/GSK-3Ce \leq Signaling in the Pathogenesis of Influenza	9.91E-01	7.69E-02	-1.342	FZD1,FZD8,TCF7L1,WNT10A,WNT11,WNT7B
Somoylation Pathway	6.02E-01	5.83E-02	-1.342	CTBP2,FOS,MAP3K5,NFKB1,RHOBTB1,RND3
PTEN Signaling	3.80E-01	4.76E-02	-1.342	MAGI1,NFKB1,PDGFRB,PTK2,RASD1,TGFBF3
Insulin Receptor Signaling	2.92E-01	4.32E-02	-1.342	GAB1,GRB10,IRS1,PIK3R6,PRKAR2A,RASD1
Actin Cytoskeleton Signaling	0.00E+00	4.11E-02	-1.342	ACTG2,ARHGEF12,CYFIP1,NCKAP1,PDGFR,PIK3R6,PTK2,PNX,RASD1
Osteoarthritis Pathway	1.82E+00	7.51E-02	-1.291	CASQ1,FZD1,FZD8,H19,IL1RL1,JAG1,MMP9,NFKB1,P2RX7,PGF,PTCH1,RUNX2,TCF7L1,TIMP3,TLR2,TNF
Neuroinflammation Signaling Pathway	9.39E-01	5.67E-02	-1.291	BACE1,CCL5,FOS,FZD1,HLA-DQB1,HMOX1,MMP9,NFATC4,NFKB1,P2RX7,PIK3R6,PTK2,SLC1A3,TGFBF3,TLR1,TLR2,TNF
G Beta Gamma Signaling	2.35E+00	9.84E-02	-1.265	ADCY1,CACNA1A,CACNA1C,CACNA1D,CACNA2D4,GNA11,GNAO1,GNB3,GNB4,HBEGF,PRKAR2A,RASD1
Phospholipase C Signaling	1.18E+00	6.23E-02	-1.265	ADCY1,ADCY6,ARHGEF11,ARHGEF12,ARHGEF5,CD79A,GNB3,GNB4,HMOX1,LYN,MARCKS,NFATC4,NFKB1,RASD1,RHOBTB1,RND3
cAMP-mediated signaling	1.89E+00	7.49E-02	-1.213	ADCY1,ADCY6,ADORA1,ADORA2A,CAMK1,CCR4,DUSP9,GLP1R,GNAO1,OPRL1,PKIB,PRKAR2A,PTGDR,RAP1GAP,RAPGEF4,VIPR1,VIPR2
ILK Signaling	2.24E+00	8.38E-02	-1.155	ACTG2,DSP,FLNC,FOS,IRS1,KRT18,LIMS2,MMP9,NFKB1,PGF,PIK3R6,PTK2,PNX,RHOBTB1,RND3,TNF
Calcium Signaling	1.34E+00	6.80E-02	-1.155	CACNA1A,CACNA1C,CACNA1D,CACNA2D4,CAMK1,CAMKK1,CASQ1,CHRNA3,NFATC4,PRKAR2A,RYR2,SLC8A3,TPM2,TRPC3
14-3-3-mediated Signaling	1.10E+00	7.09E-02	-1.134	FOS,MAP3K5,PIK3R6,PLCH1,PLCL1,RASD1,SFN,TNF,TUBB6
Death Receptor Signaling	1.09E+00	7.69E-02	-1.134	ACTG2,MAP3K5,NFKB1,TNF,TNFRSF25,TNFSF12,TNFSF15
Neuropathic Pain Signaling In Dorsal Horn Neurons	9.10E-01	6.93E-02	-1.134	CAMK1,FOS,KCNQ3,PIK3R6,PLCH1,PLCL1,PRKAR2A
RhoA Signaling	6.13E-01	5.69E-02	-1.134	ACTG2,ARHGEF11,ARHGEF12,CDC42EP4,PTK2,RND3,SEPTIN4
Signaling by Rho Family GTPases	2.24E+00	7.82E-02	-1.069	ACTG2,ARHGEF11,ARHGEF12,ARHGEF5,CDC42EP4,CDH17,CDH2,CYFIP1,FOS,GNA11,GNAO1,GNB3,GNB4,NFKB1,PIK3R6,PTK2,RHOBTB1,RND3,SEPTIN4
Role of NANOG in Mammalian Embryonic Stem Cell Pluripotency	2.91E+00	1.09E-01	-1	BMP10,FZD1,FZD8,GAB1,GATAG,IL6ST,LIF,PIK3R6,RASD1,TCF7L1,WNT10A,WNT11,WNT7B
Netrin Signaling	2.88E+00	1.38E-01	-1	ABLIM1,CACNA1A,CACNA1C,CACNA1D,CACNA2D4,NFATC4,PRKAR2A,RYR2,UNC5C
Inhibition of Matrix Metalloproteases	2.31E+00	1.54E-01	-1	HSPG2,MMP2,MMP25,MMP9,SDC1,TIMP3
P2Y Purigenic Receptor Signaling Pathway	1.80E+00	8.66E-02	-1	ADCY1,ADCY6,FOS,GNB3,GNB4,NFKB1,PIK3R6,PLCH1,PLCL1,PRKAR2A,RASD1
Eicosanoid Signaling	1.80E+00	1.09E-01	-1	ALOX15B,ALOX5,ALOX5AP,HPGDS,PLAAT3,PNPLA3,PTGDR
Paxillin Signaling	1.44E+00	8.26E-02	-1	ACTG2,ITGA1,ITGA6,ITGAE,ITGAM,PIK3R6,PTK2,PNX,RASD1
IL-9 Signaling	1.34E+00	1.21E-01	-1	IRS1,NFKB1,PIK3R6,TNF
Acute Myeloid Leukemia Signaling	1.13E+00	7.87E-02	-1	JUP,KITLG,NFKB1,PIK3R6,PIM2,RASD1,TCF7L1
Aryl Hydrocarbon Receptor Signaling	8.66E-01	6.29E-02	-1	ALDH1A2,ALDH1A3,CYP1A1,FOS,GSTM3,GSTM4,NFIA,NFKB1,TNF
CD27 Signaling in Lymphocytes	7.62E-01	7.55E-02	-1	CD27,FOS,MAP3K5,NFKB1
STAT3 Pathway	7.14E-01	5.93E-02	-1	IL17RB,IL1RL1,IL31RA,IL6ST,IL7R,PDGFRB,RASD1,TGFBF3
fMLP Signaling in Neutrophils	6.97E-01	6.03E-02	-1	FPR3,GNB3,GNB4,NFATC4,NFKB1,PIK3R6,RASD1
Fc Epsilon RI Signaling	6.84E-01	5.98E-02	-1	CSF2,FCER1A,GAB1,LYN,PIK3R6,RASD1,TNF
Chemokine Signaling	6.33E-01	6.25E-02	-1	CAMK1,CCL5,FOS,PTK2,RASD1
Nicotine Degradation II	5.54E-01	6.15E-02	-1	CYP1A1,CYP4B1,FMO5,LARGE2
Type I Diabetes Mellitus Signaling	5.13E-01	5.41E-02	-1	CD28,GZMB,HLA-DQB1,MAP3K5,NFKB1,TNF
RANK Signaling in Osteoclasts	3.08E-01	4.55E-02	-1	FOS,MAP3K5,NFKB1,PIK3R6
NGF Signaling	2.95E-01	4.39E-02	-1	GAB1,MAP3K5,NFKB1,PIK3R6,RASD1
mTOR Signaling	0.00E+00	3.81E-02	-1	HMOX1,IRS1,PGF,PIK3R6,PRR5L,RASD1,RHOBTB1,RND3
IL-8 Signaling	1.75E+00	7.54E-02	-0.905	FOS,GNB3,GNB4,HBEGF,HMOX1,ITGAM,MMP2,MMP9,NFKB1,PGF,PIK3R6,PTK2,RASD1,RHOBTB1,RND3
Glioblastoma Multiforme Signaling	1.72E+00	7.88E-02	-0.905	FZD1,FZD8,PDGFR,PDGFRB,PIK3R6,PLCH1,PLCL1,RASD1,RHOBTB1,RND3,WNT10A,WNT11,WNT7B
Synaptic Long Term Depression	1.64E+00	7.49E-02	-0.832	CACNA1A,CACNA1C,CACNA1D,CACNA2D4,GNA11,GNAO1,GUCY1A1,LYN,PLAAT3,PLCH1,PLCL1,PNPLA3,RASD1,RYR2
Role of Pattern Recognition Receptors in Recognition of Bacteria and Viruses	2.75E+00	9.74E-02	-0.816	CCL5,CLEC1,CLEC7A,CSF2,EDA,IL36A,LIF,NFKB1,PIK3R6,TLR1,TLR2,TNF,TNFSF12,TNFSF15,TNFSF8
IL-23 Signaling Pathway	2.05E+00	1.36E-01	-0.816	CSF2,FOXO3,IL22,NFKB1,PIK3R6,TNF
CREB Signaling in Neurons	1.61E+00	7.25E-02	-0.816	ADCY1,ADCY6,CACNA1A,CACNA1C,CACNA1D,CACNA2D4,GNA11,GNAO1,GNB3,GNB4,PIK3R6,PLCH1,PLCL1,PRKAR2A,RASD1
VDR/RXR Activation	1.38E+00	8.97E-02	-0.816	CCL5,CSF2,HR,IL1RL1,RUNX2,SERPINB1,WT1
Androgen Signaling	1.26E+00	7.35E-02	-0.816	CACNA1A,CACNA1C,CACNA1D,CACNA2D4,GNA11,GNAO1,GNB3,GNB4,NFKB1,PRKAR2A
IL-7 Signaling Pathway	9.91E-01	7.69E-02	-0.816	EBF1,IL7R,LYN,PAX5,PIK3R6,PTK2
Acute Phase Response Signaling	9.17E-01	6.15E-02	-0.816	CRABP1,FOS,HMOX1,IL36A,IL6ST,MAP3K5,NFKB1,RASD1,SERPINF1,TNF,VWF
p70S6K Signaling	7.88E-01	6.20E-02	-0.816	CD79A,IRS1,LYN,PIK3R6,PLCH1,PLCL1,RASD1,SFN
Sirtuin Signaling Pathway	0.00E+00	2.05E-02	-0.816	ABCA1,ATG14,H1-0,NFKB1,TNF,ZIC2

Opioid Signaling Pathway	1.80E+00	7.20E-02	-0.775	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, CACNA2D4, CAMK1, EGR4, FOS, GNAO1, GNB3, LYN, NFKB1, NPBWR1, OPRL1, PRKAR2A, RASD1, RYR2
IL-6 Signaling	1.14E+00	7.20E-02	-0.707	COL1A1, FOS, IL1RL1, IL36A, IL6ST, NFKB1, PIK3R6, RASD1, TNF
ERK/MAPK Signaling	3.99E-01	4.66E-02	-0.707	DUSP2, DUSP9, FOS, PIK3R6, PRKAR2A, PTK2, PXN, RAPGEF4, RASD1
Endothelin-1 Signaling	1.99E+00	8.06E-02	-0.535	ADCY1, ADCY6, CASQ1, FOS, GAB1, GNA11, GNAO1, GUCY1A1, HMBOX1, PIK3R6, PLAAT3, PLCH1, PLCL1, PNPLA3, RASD1
Apelin Liver Signaling Pathway	2.43E+00	1.92E-01	-0.447	APLN, COL1A1, IRS1, PDGFRB, TNF
Ephrin B Signaling	1.55E+00	9.72E-02	-0.447	EFNB3, GNA11, GNAO1, GNB3, GNB4, PTK2, PXN
Type II Diabetes Mellitus Signaling	1.48E+00	7.75E-02	-0.447	ACSL1, CACNA1A, CACNA1C, CACNA1D, CACNA2D4, IRS1, MAP3K5, NFKB1, PIK3R6, SMPD5, TNF
Agrin Interactions at Neuromuscular Junction	9.91E-01	7.69E-02	-0.447	ACTG2, ITGA1, ITGA6, PTK2, PXN, RASD1
PDF Signaling	9.14E-01	7.32E-02	-0.447	ARHGAP22, NFKB1, PIK3R6, RASD1, SERPINF1, TCF7L1
BMP signaling pathway	8.60E-01	7.06E-02	-0.447	BMP10, NFKB1, NOG, PRKAR2A, RASD1, RUNX2
Synaptic Long Term Potentiation	5.50E-01	5.43E-02	-0.447	ADCY1, CACNA1C, GNA11, PLCH1, PLCL1, PRKAR2A, RASD1
Th17 Activation Pathway	4.95E-01	5.49E-02	-0.447	CSF2, FOXP3, IL2, NFATC4, NFKB1
CD28 Signaling in T Helper Cells	4.28E-01	5.00E-02	-0.447	CD28, FOS, HLA-DQB1, NFATC4, NFKB1, PIK3R6
HMG B1 Signaling	2.46E+00	9.09E-02	-0.378	CLCF1, CSF2, EDA, FOS, IL36A, LIF, NFKB1, PIK3R6, RASD1, RHOB T B1, RND3, TNF, TNFSF12, TNFSF15, TNFSF8
Th1 Pathway	1.92E+00	9.02E-02	-0.378	CD28, CD8A, CXCR3, HAVCR2, HLA-DQB1, NFATC4, NFKB1, NOTCH3, PIK3R6, PSEN2, TBX21
PKCCE[] Signaling in T Lymphocytes	1.57E+00	7.74E-02	-0.378	CACNA1A, CACNA1C, CACNA1D, CACNA2D4, CD28, FOS, HLA-DQB1, MAP3K5, NFATC4, NFKB1, PIK3R6, RASD1
Ephrin Receptor Signaling	1.16E+00	6.67E-02	-0.378	EFNB3, EPHA3, GNA11, GNAO1, GNB3, GNB4, PDGFD, PGF, PTK2, PTPN13, PXN, RASD1
PI3K Signaling in B Lymphocytes	9.36E-01	6.52E-02	-0.378	CD79A, FOS, IRS1, LYN, NFATC4, NFKB1, PLCH1, PLCL1, RASD1
GCE+12/13 Signaling	7.75E-01	6.15E-02	-0.378	CDH17, CDH2, MAP3K5, NFKB1, PIK3R6, PTK2, PXN, RASD1
LXR/RXR Activation	6.36E-01	5.79E-02	-0.378	ABCA1, IL1RL1, IL36A, MMP9, NFKB1, SERPINF1, TNF
Huntington's Disease Signaling	0.00E+00	3.38E-02	-0.378	CASQ1, GNA11, GNB3, GNB4, HAP1, HIP1, PIK3R6, STX1A
Integrin Signaling	7.62E-01	5.61E-02	-0.333	ACTG2, ITGA1, ITGA6, ITGAE, ITGAM, PIK3R6, PTK2, PXN, RASD1, RHOB T B1, RND3, TSPAN2
Role of NFAT in Regulation of the Immune Response	1.75E+00	7.73E-02	-0.302	CD28, CD79A, FCER1A, FOS, GNA11, GNAO1, GNB3, GNB4, HLA-DQB1, LYN, NFATC4, NFKB1, PIK3R6, RASD1
HOTAIR Regulatory Pathway	1.19E+00	6.92E-02	-0.302	CD44, COL1A1, MMP2, MMP25, MMP9, NFKB1, PIK3R6, TCF7L1, WNT10A, WNT11, WNT7B
Tec Kinase Signaling	3.35E+00	1.04E-01	0	ACTG2, FCER1A, FOS, GNA11, GNAO1, GNB3, GNB4, LYN, NFKB1, PIK3R6, PTK2, RHOB T B1, RND3, TNF, TNFRSF25, TNFSF12, TXK
Th2 Pathway	3.28E+00	1.09E-01	0	CCR4, CD28, HLA-DQB1, IL17RB, IL1RL1, JAG1, NFKB1, NOTCH3, PIK3R6, PSEN2, PTGDR2, TBX21, TGFBR3, TIMD4, TNFRSF4
CXCR4 Signaling	2.82E+00	9.58E-02	0	ADCY1, ADCY6, ARHGEF11, EGR1, FOS, GNA11, GNAO1, GNB3, GNB4, LYN, PIK3R6, PTK2, PXN, RASD1, RHOB T B1, RND3
Corticotropin Releasing Hormone Signaling	1.77E+00	8.28E-02	0	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, CACNA2D4, FOS, GNAO1, GUCY1A1, KRT1, PRKAR2A, PTK2
RhoGDI Signaling	1.45E+00	7.22E-02	0	ACTG2, ARHGEF11, ARHGEF12, ARHGEF5, CD44, CDH17, CDH2, GNA11, GNAO1, GNB3, GNB4, RHOB T B1, RND3
Phospholipases	1.41E+00	9.84E-02	0	HMBOX1, LIPC, PLAAT3, PLCH1, PLCL1, PNPLA3
Dendritic Cell Maturation	1.40E+00	7.10E-02	0	CD83, COL1A1, CSF2, FSCN1, HLA-DQB1, IL36A, IRF8, NFKB1, PIK3R6, PLCH1, PLCL1, TLR2, TNF
Wnt/Ca+ pathway	1.38E+00	9.68E-02	0	FZD1, FZD8, NFATC4, NFKB1, PLCH1, PLCL1
Sperm Motility	1.13E+00	6.33E-02	0	DDR1, EPHA3, GUCY1A1, LYN, PDGFRB, PLAAT3, PLCH1, PLCL1, PNPLA3, PRKAR2A, PTK2, RET, STYK1, TXK
Apelin Pancreas Signaling Pathway	9.75E-01	9.09E-02	0	APLN, NFKB1, PIK3R6, PRKAR2A
Cholecystokinin/Gastrin-mediated Signaling	9.28E-01	6.72E-02	0	FOS, IL36A, PTK2, PXN, RASD1, RHOB T B1, RND3, TNF
FAT10 Cancer Signaling Pathway	9.21E-01	8.70E-02	0	HOXB9, NFKB1, TGFBR3, TNF
Ceramide Signaling	8.12E-01	6.82E-02	0	FOS, NFKB1, PIK3R6, RASD1, SMPD5, TNF
Rac Signaling	7.62E-01	6.31E-02	0	CD44, CYFIP1, NCKAP1, NFKB1, PIK3R6, PTK2, RASD1
NF-CE[B] Activation by Viruses	6.06E-01	6.10E-02	0	ITGA1, ITGA6, NFKB1, PIK3R6, RASD1
NF-CE[B] Signaling	4.98E-01	5.03E-02	0	IL36A, NFKB1, PDGFRB, PIK3R6, RASD1, TGFBR3, TLR1, TLR2, TNF
Aldosterone Signaling in Epithelial Cells	4.87E-01	5.06E-02	0	DNAJC15, DNAJC18, DNAJC22, HSPA12A, NR3C2, PIK3R6, PLCH1, PLCL1
p38 MAPK Signaling	0.00E+00	3.39E-02	0	IL1RL1, IL36A, MAP3K5, TNF
Leukocyte Extravasation Signaling	3.25E+00	9.60E-02	0.243	ACTG2, CD44, CLDN23, CLDN7, ITGA1, ITGA6, ITGAM, MMP2, MMP25, MMP9, NCF4, PIK3R6, PTK2, PXN, RAP1GAP, RAPGEF4, THY1, TIMP3, TXK
T Cell Exhaustion Signaling Pathway	1.23E+00	6.86E-02	0.333	CD28, FOS, GZMB, HAVCR2, HLA-DQB1, LAG3, NFATC4, PDCD1, PIK3R6, RASD1, TBX21, TGFBR3
TREM1 Signaling	1.46E+00	9.33E-02	0.378	CD83, CSF2, IL1RL1, NFKB1, TLR1, TLR2, TNF
Endocannabinoid Developing Neuron Pathway	1.32E+00	7.83E-02	0.378	ADCY1, ADCY6, GNAO1, GNB3, PAX6, PIK3R6, PRKAR2A, RAP1GAP, RASD1
PPAR Signaling	1.19E+00	7.69E-02	0.378	FOS, IL1RL1, IL36A, NFKB1, PDGFD, PDGFRB, RASD1, TNF
Apelin Cardiomyocyte Signaling Pathway	6.52E-01	6.06E-02	0.447	APLN, GNA11, PIK3R6, PLCH1, PLCL1, SLC8A3
Endocannabinoid Neuronal Synapse Pathway	2.18E+00	9.38E-02	0.577	ADCY1, ADCY6, CACNA1A, CACNA1C, CACNA1D, CACNA2D4, GNA11, GNAO1, GNB3, PLCH1, PLCL1, PRKAR2A
Glioma Invasiveness Signaling	3.06E+00	1.35E-01	0.707	CD44, MMP2, MMP9, PIK3R6, PLAU, PTK2, RASD1, RHOB T B1, RND3, TIMP3
Apelin Endothelial Signaling Pathway	1.69E+00	8.70E-02	0.707	ADCY1, ADCY6, APLN, FOS, GNA11, GNAO1, KLF2, NFKB1, PIK3R6, RASD1
GCE+1 Signaling	1.47E+00	8.00E-02	0.707	ADCY1, ADCY6, ADORA1, CCR4, GNB3, GNB4, OPRL1, PRKAR2A, RAP1GAP, RASD1
Antioxidant Action of Vitamin C	1.13E+00	7.48E-02	0.707	CSF2, HMBOX1, NFKB1, PLAAT3, PLCH1, PLCL1, PNPLA3, TNF
ICOS-ICOSL Signaling in T Helper Cells	5.13E-01	5.41E-02	0.816	CD28, HLA-DQB1, NFATC4, NFKB1, PIK3R6, TRAT1
Thrombin Signaling	3.41E+00	9.62E-02	0.832	ADCY1, ADCY6, ARHGEF11, ARHGEF12, ARHGEF5, CAMK1, GATA2, GATA6, GNA11, GNAO1, GNB3, GNB4, NFKB1, PIK3R6, PLCH1, PLCL1, PTK2, RASD1, RHOB T B1, RND3

LPS/IL-1 Mediated Inhibition of RXR Function	1.63E+00	7.14E-02	1	ABCA1,ACSL1,ALDH1A2,ALDH1A3,CHST15,FMO5,GAL3ST2,GSTM3,GSTM4,HS3ST3B1,HS6ST2,IL1RL1,IL36A,LIPC,NDST3,TNF
Melatonin Signaling	4.63E-01	5.56E-02	1	GNAO1,PLCH1,PLCL1,PRKAR2A
Sphingosine-1-phosphate Signaling	2.05E+00	9.40E-02	1.265	ADCY1,ADCY6,CASQ1,PDGFD,PDGFRB,PIK3R6,PLCH1,PLCL1,PTK2,RHOBTB1,RND3
Endocannabinoid Cancer Inhibition Pathway	1.15E+00	6.99E-02	1.265	ADCY1,ADCY6,CASQ1,GNAO1,MMP2,PGF,PIK3R6,PRKAR2A,PTK2,TCF7L1
Protein Kinase A Signaling	2.09E+00	6.77E-02	1.342	ADCY1,ADCY6,ADD2,CDC14B,DUSP16,DUSP2,DUSP9,FLNC,GNB3,GNB4,H1-0,KDEL3,NFATC4,NFKB1,PLCH1,PLCL1,PRKAR2A,PTCH1,PTK2,PTPN13,PTPRH,PTPRK,PXN,PYGL,RYR2,SFN,TCF7L1
Apelin Adipocyte Signaling Pathway	6.18E-01	6.17E-02	1.342	ADCY1,ADCY6,APLN,GNA11,PRKAR2A
PI3K/AKT Signaling	3.36E-01	4.55E-02	2	GAB1,MAP3K5,NFKB1,RASD1,SFN,THEM4
Systemic Lupus Erythematosus In T Cell Signaling Pathway	0.00E+00	3.29E-02	2.111	CASQ1,CD28,CD44,FOS,FOXP3,HLA-DQB1,PIK3R6,PTK2,RASD1,RHOBTB1,RND3
Axonal Guidance Signaling	4.56E+00	8.23E-02	NaN	ABLIM1,ACE,ADAMTS14,ADAMTS17,ADAMTS19,ARHGFE11,ARHGFE12,BMP10,EFNB3,EPHA3,FZD1,FZD8,GNA11,GNAO1,GNB3,GNB4,MME,MMP2,MMP25,MMP9,NFATC4,PDGFD,PGF,PIK3R6,PLCH1,PLCL1,PLXNA2,PLXNC1,PRKAR2A,PTCH1,PTK2,PXN,RASD1,SEMA6B,SLIT1,TUBB6,UNC5C,WNT10A,WNT11,WNT7B
Th1 and Th2 Activation Pathway	4.04E+00	1.10E-01	NaN	CCR4,CD28,CD8A,CXCR3,HAVCR2,HLA-DQB1,IL17RB,IL1RL1,JAG1,NFATC4,NFKB1,NOTCH3,PIK3R6,PSEN2,PTGDR2,TBX21,TGFB3,TIMD4,TNFRSF4
Role of Macrophages, Fibroblasts and Endothelial Cells in Rheumatoid Arthritis	3.62E+00	8.65E-02	NaN	CCL5,CEBPD,CSF1,CSF2,FOS,FZD1,FZD8,GNAO1,IL1RL1,IL36A,IL6ST,LRP6,NFATC4,NFKB1,PDGFD,PGF,PIK3R6,PLCH1,PLCL1,RASD1,TCF7L1,TLR1,TLR2,TNF,WNT10A,WNT11,WNT7B
Hepatic Fibrosis / Hepatic Stellate Cell Activation	3.60E+00	1.02E-01	NaN	BAMBI,CCL5,COL1A1,COL1A2,COL5A2,COL6A1,COL6A2,COL9A3,CSF1,CXCR3,IGFBP4,IL1RL1,MMP2,MMP9,NFKB1,PDGFD,PDGFRB,PGF,TNF
Altered T Cell and B Cell Signaling in Rheumatoid Arthritis	3.50E+00	1.33E-01	NaN	CD28,CD79A,CSF1,CSF2,HLA-DQB1,IL22,IL36A,NFKB1,SLAMF1,TLR1,TLR2,TNF
Regulation of the Epithelial-Mesenchymal Transition Pathway	3.39E+00	9.84E-02	NaN	CDH2,EGR1,FZD1,FZD8,GAB1,JAG1,MMP2,MMP9,NFKB1,NOTCH3,PDGFD,PDGFRB,PIK3R6,PSEN2,RASD1,TCF7L1,WNT10A,WNT11,WNT7B
Role of Osteoblasts, Osteoclasts and Chondrocytes in Rheumatoid Arthritis	3.10E+00	9.09E-02	NaN	BMP10,COL1A1,CSF1,CSF2,FOS,FZD1,FZD8,IL1RL1,IL36A,LRP6,MAP3K5,NFATC4,NFKB1,PIK3R6,RUNX2,TCF7L1,TNF,WNT10A,WNT11,WNT7B
Granulocyte Adhesion and Diapedesis	2.92E+00	9.50E-02	NaN	CCL5,CLDN23,CLDN7,FPR3,IL1RL1,IL36A,ITGA1,ITGA6,ITGAM,MMP2,MMP25,MMP9,SDC1,SELL,THY1,TNF,XCL1
Atherosclerosis Signaling	2.74E+00	1.05E-01	NaN	ALOX15B,ALOX5,CCR2,COL1A1,CSF1,IL36A,MMP9,NFKB1,PDGFD,PLAAT3,PNPLA3,TNF,TNFSF12
Airway Pathology in Chronic Obstructive Pulmonary Disease	2.48E+00	3.75E-01	NaN	MMP2,MMP9,TNF
Thiosulfate Disproportionation III (Rhodanese)	2.31E+00	6.67E-01	NaN	MPST,TST
Communication between Innate and Adaptive Immune Cells	2.21E+00	1.04E-01	NaN	CCL5,CD28,CD79A,CD83,CD8A,CSF2,IL36A,TLR1,TLR2,TNF
Molecular Mechanisms of Cancer	2.18E+00	6.89E-02	NaN	ADCY1,ADCY6,ARHGFE11,ARHGFE12,ARHGFE5,BMP10,FOS,FZD1,FZD8,GAB1,GNA11,GNAO1,IRS1,LRP6,MAP3K5,NFKB1,PIK3R6,PRKAR2A,PSEN2,PTCH1,PTK2,RASD1,RHOBTB1,RND3,WNT10A,WNT11,WNT7B
G-Protein Coupled Receptor Signaling	2.06E+00	7.38E-02	NaN	ADCY1,ADCY6,ADORA1,ADORA2A,AVPR1B,CCR4,DUSP9,GLP1R,GNA11,GNAO1,NFKB1,OPRL1,PIK3R6,PRKAR2A,PTGDR,RAP1GAP,RAPGEF4,RASD1,VIPR1,VIPR2
MSP-RON Signaling Pathway	2.02E+00	1.21E-01	NaN	ACTG2,CCR2,CSF1,ITGAM,PIK3R6,TLR2,TNF
Crosstalk between Dendritic Cells and Natural Killer Cells	1.96E+00	1.01E-01	NaN	ACTG2,CD226,CD28,CD83,CSF2,FSCN1,KIR2DL4,NFKB1,TNF
Hematopoiesis from Multipotent Stem Cells	1.94E+00	2.50E-01	NaN	CSF1,CSF2,KITLG
FCεR2/RIIB Signaling in B Lymphocytes	1.93E+00	1.07E-01	NaN	CACNA1A,CACNA1C,CACNA1D,CACNA2D4,CD79A,LYN,PIK3R6,RASD1
Inhibition of Angiogenesis by TSP1	1.92E+00	1.47E-01	NaN	GUCY1A1,HSFG2,MMP9,SDC1,THBS1
IL-1 Signaling	1.90E+00	9.89E-02	NaN	ADCY1,ADCY6,FOS,GNA11,GNAO1,GNB3,GNB4,NFKB1,PRKAR2A
Phagosome Formation	1.85E+00	8.80E-02	NaN	CLEC7A,FCER1A,ITGAM,MARCKS,PIK3R6,PLCH1,PLCL1,RHOBTB1,RND3,TLR1,TLR2
IL-17A Signaling in Gastric Cells	1.74E+00	1.60E-01	NaN	CCL5,FOS,NFKB1,TNF
Notch Signaling	1.72E+00	1.32E-01	NaN	DTX1,JAG1,MAML2,NOTCH3,PSEN2
Cellular Effects of Sildenafil (Viagra)	1.71E+00	8.40E-02	NaN	ACTG2,ADCY1,ADCY6,CACNA1A,CACNA1C,CACNA1D,GUCY1A1,KCNQ3,PLCH1,PLCL1,PRKAR2A
Hepatic Cholestasis	1.69E+00	7.61E-02	NaN	ADCY1,ADCY6,CLCF1,CSF2,EDA,IL1RL1,IL36A,LIF,NFKB1,PRKAR2A,TNF,TNFSF12,TNFSF15,TNFSF8
Choline Biosynthesis III	1.66E+00	2.00E-01	NaN	HMOX1,PCYT1B,PHKA1
Human Embryonic Stem Cell Pluripotency	1.62E+00	8.15E-02	NaN	BMP10,FZD1,FZD8,NOG,PDGFD,PDGFRB,PIK3R6,TCF7L1,WNT10A,WNT11,WNT7B
nNOS Signaling in Skeletal Muscle Cells	1.59E+00	1.22E-01	NaN	CACNA1A,CACNA1C,CACNA1D,CACNA2D4,RYR2
Germ Cell-Sertoli Cell Junction Signaling	1.59E+00	7.56E-02	NaN	ACTG2,CDH2,ITGA6,JUP,MAP3K5,PIK3R6,PTK2,PXN,RASD1,RHOBTB1,RND3,TNF,TUBB6
Role of Tissue Factor in Cancer	1.58E+00	8.33E-02	NaN	CCN1,CSF1,CSF2,EGR1,GNA11,HBEFG,ITGA6,LYN,PIK3R6,RASD1
T Cell Receptor Signaling	1.53E+00	8.57E-02	NaN	CD28,CD8A,FOS,NFATC4,NFKB1,PIK3R6,PTPRH,RASD1,TKX
Phosphatidylcholine Biosynthesis I	1.51E+00	2.86E-01	NaN	PCYT1B,PHKA1
Differential Regulation of Cytokine Production in Macrophages and T Helper Cells by IL-17A and IL-1	1.45E+00	1.67E-01	NaN	CCL5,CSF2,TNF
Toll-like Receptor Signaling	1.44E+00	9.21E-02	NaN	FOS,IL1RL1,IL36A,NFKB1,TLR1,TLR2,TNF
Factors Promoting Cardiogenesis in Vertebrates	1.42E+00	8.60E-02	NaN	BMP10,FZD1,FZD8,LRP6,NOG,TCF7L1,TGFB3,WNT11
CCR5 Signaling in Macrophages	1.40E+00	8.51E-02	NaN	CACNA1A,CACNA1C,CACNA1D,CACNA2D4,CCL5,FOS,GNB3,GNB4
Thio-molybdenum Cofactor Biosynthesis	1.39E+00	1.00E+00	NaN	MOCOS
Histamine Biosynthesis	1.39E+00	1.00E+00	NaN	HDC
Oxidative Ethanol Degradation III	1.39E+00	1.58E-01	NaN	ACSL1,ALDH1A2,ALDH1A3
Reelin Signaling in Neurons	1.38E+00	8.97E-02	NaN	ARHGFE11,ARHGFE12,ARHGFE5,ITGA1,ITGA6,LYN,PIK3R6
α-Adrenergic Signaling	1.38E+00	8.42E-02	NaN	ADCY1,ADCY6,GNB3,GNB4,PRKAR2A,PYGL,RASD1,SLC8A3
Graft-versus-Host Disease Signaling	1.33E+00	1.04E-01	NaN	CD28,GZMB,HLA-DQB1,IL36A,TNF

Hematopoiesis from Pluripotent Stem Cells	1.30E+00	1.02E-01	NaN	CD8A,CSF1,CSF2,KITLG,LIF
Pathogenesis of Multiple Sclerosis	1.30E+00	2.22E-01	NaN	CCL5,CXCR3
Xenobiotic Metabolism Signaling	1.29E+00	6.27E-02	NaN	ALDH1A2,ALDH1A3,CAMK1,CHST15,CYP1A1,FMO5,GAL3ST2,GSTM3,GSTM4,HMOX1,HS3ST3B1,HS6ST2,MAP3K5,NDST3,NFKB1,PIK3R6,RASD1,TNF
Maturity Onset Diabetes of Young (MODY) Signaling	1.27E+00	1.43E-01	NaN	CACNA1A,CACNA1C,CACNA1D
Agranulocyte Adhesion and Diapedesis	1.26E+00	6.77E-02	NaN	ACTG2,CCL5,CLDN23,CLDN7,IL36A,ITGA1,ITGA6,MMP2,MMP25,MMP9,SELL,TNF,XCL1
IL-15 Production	1.21E+00	7.44E-02	NaN	DDR1,EPHA3,LYN,NFKB1,PDGFRB,PTK2,RET,STYK1,TKK
IL-10 Signaling	1.19E+00	8.70E-02	NaN	FOS,HMOX1,IL1RL1,IL36A,NFKB1,TNF
Differential Regulation of Cytokine Production in Intestinal Epithelial Cells by IL-17A and IL-17F	1.18E+00	1.30E-01	NaN	CCL5,CSF2,TNF
Ethanol Degradation IV	1.18E+00	1.30E-01	NaN	ACSL1,ALDH1A2,ALDH1A3
Transcriptional Regulatory Network in Embryonic Stem Cells	1.15E+00	9.26E-02	NaN	FOXC1,GATA6,PAX6,SIX3,TCF7L1
IL-15 Signaling	1.14E+00	8.45E-02	NaN	CSF2,NFKB1,PIK3R6,PTK2,RASD1,TNF
Caveolar-mediated Endocytosis Signaling	1.10E+00	8.22E-02	NaN	ACTG2,FLNC,ITGA1,ITGA6,ITGAE,ITGAM
T Helper Cell Differentiation	1.10E+00	8.22E-02	NaN	CD28,FOXP3,HLA-DQB1,IL6ST,TBX21,TNF
Choline Degradation I	1.09E+00	5.00E-01	NaN	CHDH
L-cysteine Degradation III	1.09E+00	5.00E-01	NaN	MPST
Sertoli Cell-Sertoli Cell Junction Signaling	1.08E+00	6.45E-02	NaN	ACTG2,CLDN23,CLDN7,GUCY1A1,JUP,MAP3K5,MPP6,PRKAR2A,RASD1,TGFBR3,TNF,TUBB6
Leptin Signaling in Obesity	1.08E+00	8.11E-02	NaN	ADCY1,ADCY6,PIK3R6,PLCH1,PLCL1,PRKAR2A
NRF2-mediated Oxidative Stress Response	1.03E+00	6.32E-02	NaN	ACTG2,DNAJA4,DNAJC15,DNAJC18,FOS,GSTM3,GSTM4,HMOX1,MAP3K5,PIK3R6,RASD1,UBE2E3
GABA Receptor Signaling	1.02E+00	7.37E-02	NaN	ADCY1,ADCY6,CACNA1A,CACNA1C,CACNA1D,CACNA2D4,KCNQ3
Epithelial Adherens Junction Signaling	9.96E-01	6.54E-02	NaN	ACTG2,CDH2,JUP,LMO7,MAGI1,NOTCH3,RASD1,TCF7L1,TGFBR3,TUBB6
Gustation Pathway	9.96E-01	6.54E-02	NaN	ADCY1,ADCY6,CACNA1A,CACNA1C,CACNA1D,CACNA2D4,GNB3,P2RX7,P2RY10,PRKAR2A
Glucocorticoid Receptor Signaling	9.91E-01	5.65E-02	NaN	ANXA1,CCL5,CSF2,FOS,KRT1,KRT18,KRT3,KRT4,KRT77,KRT79,NFATC4,NFKB1,NR3C2,PIK3R6,PLAU,RASD1,TNF,TSC22D3,VIPR1
Role of MAPK Signaling in the Pathogenesis of Influenza	9.91E-01	7.69E-02	NaN	CCL5,MAP3K5,PLAAT3,PNPLA3,RASD1,TNF
Adipogenesis pathway	9.91E-01	6.72E-02	NaN	CEBPD,CTBP2,EBF1,EGR2,FZD1,FZD8,NFATC4,NR2F2,TNF
Gap Junction Signaling	9.32E-01	6.06E-02	NaN	ACTG2,ADCY1,ADCY6,GJB6,GJC1,GUCY1A1,PIK3R6,PLCH1,PLCL1,PRKAR2A,RASD1,TUBB6
Diphthamide Biosynthesis	9.28E-01	3.33E-01	NaN	DPH6
1,25-dihydroxyvitamin D3 Biosynthesis	9.28E-01	3.33E-01	NaN	CYP2R1
Glycerol-3-phosphate Shuttle	9.28E-01	3.33E-01	NaN	GPD2
N-acetylglucosamine Degradation I	9.28E-01	3.33E-01	NaN	GNPDA1
Breast Cancer Regulation by Stathmin1	9.07E-01	6.00E-02	NaN	ADCY1,ADCY6,ARHGEF11,ARHGEF12,ARHGEF5,CAMK1,GNB3,GNB4,PIK3R6,PRKAR2A,RASD1,TUBB6
TNFR2 Signaling	9.07E-01	1.00E-01	NaN	FOS,NFKB1,TNF
Sonic Hedgehog Signaling	9.07E-01	1.00E-01	NaN	DYRK1B,PRKAR2A,PTCH1
IL-4 Signaling	8.60E-01	7.06E-02	NaN	HLA-DQB1,IRS1,NFATC4,NR3C2,PIK3R6,RASD1
Glutathione-mediated Detoxification	8.45E-01	9.38E-02	NaN	GSTM3,GSTM4,HPGDS
Ethanol Degradation II	8.45E-01	9.38E-02	NaN	ACSL1,ALDH1A2,ALDH1A3
Primary Immunodeficiency Signaling	8.27E-01	8.00E-02	NaN	ADA,CD79A,CD8A,IL7R
Histamine Degradation	8.15E-01	1.18E-01	NaN	ALDH1A2,ALDH1A3
Airway Inflammation in Asthma	8.10E-01	2.50E-01	NaN	TNF
Heme Degradation	8.10E-01	2.50E-01	NaN	HMOX1
Spermine and Spermidine Degradation I	8.10E-01	2.50E-01	NaN	PAOX
N-acetylglucosamine Degradation II	8.10E-01	2.50E-01	NaN	GNPDA1
Acetate Conversion to Acetyl-CoA	8.10E-01	2.50E-01	NaN	ACSL1
Fatty Acid Cεs-oxidation III (Unsaturated, Odd Number)	8.10E-01	2.50E-01	NaN	EHHADH
TWEAK Signaling	7.62E-01	8.57E-02	NaN	NFKB1,TNFRSF25,TNFSF12
IL-17A Signaling in Fibroblasts	7.62E-01	8.57E-02	NaN	CEBPD,FOS,NFKB1
Phototransduction Pathway	7.62E-01	7.55E-02	NaN	GNB3,GUCY1A1,OPN3,PRKAR2A
Role of Cytokines in Mediating Communication between Immune Cells	7.40E-01	7.41E-02	NaN	CSF2,IL22,IL36A,TNF
HIF1Cε Signaling	7.35E-01	6.19E-02	NaN	EGLN3,MMP2,MMP25,MMP9,PGF,PIK3R6,RASD1
B Cell Development	7.35E-01	8.33E-02	NaN	CD79A,HLA-DQB1,IL7R
Estrogen-Dependent Breast Cancer Signaling	7.24E-01	6.76E-02	NaN	FOS,NFKB1,PIK3R6,RASD1,TERT
Protein Citrullination	7.21E-01	2.00E-01	NaN	PADI2
Citrulline-Nitric Oxide Cycle	7.21E-01	2.00E-01	NaN	ASS1
Galactose Degradation I (Leloir Pathway)	7.21E-01	2.00E-01	NaN	GALM
FAK Signaling	7.06E-01	6.32E-02	NaN	ACTG2,PIK3R6,PTK2,PXN,RASD1,TNS1
Fatty Acid Cεt-oxidation	7.03E-01	1.00E-01	NaN	ALDH1A2,ALDH1A3
Inflammasome pathway	7.03E-01	1.00E-01	NaN	NFKB1,P2RX7
Iron homeostasis signaling pathway	6.90E-01	5.84E-02	NaN	ABCB10,ATP6VOA1,BMP10,HMOX1,PDGFRB,SLC40A1,SLC46A1,STEAP3
Amotrophic Lateral Sclerosis Signaling	6.78E-01	6.19E-02	NaN	CACNA1A,CACNA1C,CACNA1D,PGF,PIK3R6,PRPH
Antiproliferative Role of Somatostatin Receptor 2	6.78E-01	6.49E-02	NaN	GNB3,GNB4,GUCY1A1,PIK3R6,RASD1
Bladder Cancer Signaling	6.78E-01	6.19E-02	NaN	MMP2,MMP25,MMP9,PGF,RASD1,THBS1
Dopamine Receptor Signaling	6.78E-01	6.49E-02	NaN	ADCY1,ADCY6,PRKAR2A,SLC18A2,SLC6A3
Putrescine Degradation III	6.72E-01	9.52E-02	NaN	ALDH1A2,ALDH1A3
April Mediated Signaling	6.66E-01	7.69E-02	NaN	FOS,NFATC4,NFKB1
Arginine Biosynthesis IV	6.52E-01	1.67E-01	NaN	ASS1
Urea Cycle	6.52E-01	1.67E-01	NaN	ASS1
Ceramide Biosynthesis	6.52E-01	1.67E-01	NaN	DEGS2
Glycerol Degradation I	6.52E-01	1.67E-01	NaN	GPD2
Adenine and Adenosine Salvage III	6.52E-01	1.67E-01	NaN	ADA
Glycogen Biosynthesis II (from UDP-D-Glucose)	6.52E-01	1.67E-01	NaN	GYG2
Lactose Degradation III	6.52E-01	1.67E-01	NaN	LCT
Tryptophan Degradation III (Eukaryotic)	6.40E-01	9.09E-02	NaN	AFMID,EHHADH
Semaphorin Signaling in Neurons	6.33E-01	6.67E-02	NaN	ARHGEF12,PTK2,RHOBTB1,RND3

Renal Cell Carcinoma Signaling	6.33E-01	6.25E-02	NaN	EGLN3,FOS,GAB1,PIK3R6,RASD1
B Cell Activating Factor Signaling	6.23E-01	7.32E-02	NaN	FOS,NFATC4,NFKB1
Superpathway of D-myo-inositol (1,4,5)-trisphosphate Metabolism	6.13E-01	8.70E-02	NaN	INPP1,ITPKA
LPS-stimulated MAPK Signaling	6.06E-01	6.10E-02	NaN	FOS,MAP3K5,NFKB1,PIK3R6,RASD1
Tryptophan Degradation to 2-amino-3-carboxymuconate Semialdehyde	5.93E-01	1.43E-01	NaN	AFMID
Purine Ribonucleosides Degradation to Ribose-1-phosphate	5.93E-01	1.43E-01	NaN	ADA
Glycoaminoglycan-protein Linkage Region Biosynthesis	5.93E-01	1.43E-01	NaN	B3GAT1
Role of Hypercytokinemia/hyperchemokine in the Pathogenesis of Influenza	5.85E-01	6.98E-02	NaN	CCL5,IL36A,TNF
Tumoricidal Function of Hepatic Natural Killer Cells	5.85E-01	8.33E-02	NaN	GZMB,SERPINF9
Serotonin Receptor Signaling	5.85E-01	6.98E-02	NaN	ADCY1,ADCY6,SLC18A2
Bupropion Degradation	5.61E-01	8.00E-02	NaN	CYP1A1,CYP4B1
Tryptophan Degradation X (Mammalian, via Tryptamine)	5.61E-01	8.00E-02	NaN	ALDH1A2,ALDH1A3
RAR Activation	5.56E-01	5.15E-02	NaN	ADCY1,ADCY6,ALDH1A2,ALDH1A3,CRABP1,FOS,MAP3K5,NFKB1,NRF2,PRKAR2A
Virus Entry via Endocytic Pathways	5.56E-01	5.61E-02	NaN	ACTG2,FLNC,ITGA1,ITGA6,PIK3R6,RASD1
Histidine Degradation III	5.44E-01	1.25E-01	NaN	FTCD
Salvage Pathways of Pyrimidine Deoxyribonucleotides	5.44E-01	1.25E-01	NaN	TK1
Sphingomyelin Metabolism	5.44E-01	1.25E-01	NaN	SMPD5
Regulation of IL-2 Expression in Activated and Anergic T Lymphocytes	5.17E-01	5.62E-02	NaN	CD28,FOS,NFATC4,NFKB1,RASD1
Ephrin A Signaling	5.16E-01	6.38E-02	NaN	EPHA3,PIK3R6,PTK2
Prostanoid Biosynthesis	5.02E-01	1.11E-01	NaN	HPGDS
Sucrose Degradation V (Mammalian)	5.02E-01	1.11E-01	NaN	GALM
UDP-N-acetyl-D-galactosamine Biosynthesis II	5.02E-01	1.11E-01	NaN	GNPDA1
Role of JAK1 and JAK3 in $\text{C}\epsilon\text{c}$ Cytokine Signaling	5.00E-01	5.80E-02	NaN	IL7R,IRS1,PIK3R6,RASD1
SPINK1 General Cancer Pathway	5.00E-01	5.80E-02	NaN	MT1F,MT2A,PIK3R6,RASD1
GM-CSF Signaling	4.88E-01	5.71E-02	NaN	CSF2,LYN,PIK3R6,RASD1
Autoimmune Thyroid Disease Signaling	4.84E-01	6.12E-02	NaN	CD28,GZMB,HLA-DQB1
Role of p14/p19ARF in Tumor Suppression	4.74E-01	6.90E-02	NaN	NPM2,PIK3R6
TNFR1 Signaling	4.70E-01	6.00E-02	NaN	FOS,NFKB1,TNF
Thyroid Cancer Signaling	4.55E-01	5.88E-02	NaN	RASD1,RET,TCF7L1
Amyloid Processing	4.55E-01	5.88E-02	NaN	BACE1,PRKAR2A,PSEN2
Dopamine Degradation	4.53E-01	6.67E-02	NaN	ALDH1A2,ALDH1A3
Acetone Degradation I (to Methylglyoxal)	4.53E-01	6.67E-02	NaN	CYP1A1,CYP4B1
Triacylglycerol Degradation	4.41E-01	5.77E-02	NaN	LIPC,NDST3,PNPLA3
Natural Killer Cell Signaling	4.37E-01	5.04E-02	NaN	KIR2DL4,KLRB1,NCR2,PIK3R6,RASD1,SH2D1A
G Protein Signaling Mediated by Tubby	4.35E-01	6.45E-02	NaN	GNB3,GNB4
Purine Nucleotides De Novo Biosynthesis II	4.32E-01	9.09E-02	NaN	ADSS1
Angiotensin Signaling	4.28E-01	5.33E-02	NaN	NFKB1,PIK3R6,PTK2,RASD1
p53 Signaling	4.23E-01	5.10E-02	NaN	ADGRB1,PIK3R6,SFN,THBS1,WT1
UVA-induced MAPK Signaling	4.23E-01	5.10E-02	NaN	FOS,PIK3R6,PLCH1,PLCL1,RASD1
Erythropoietin Signaling	4.18E-01	5.26E-02	NaN	FOS,NFKB1,PIK3R6,RASD1
4-1BB Signaling in T Lymphocytes	4.18E-01	6.25E-02	NaN	MAP3K5,NFKB1
Fatty Acid $\text{C}\epsilon\text{s}$ -oxidation I	4.18E-01	6.25E-02	NaN	ACSL1,EHHADH
Macropinocytosis Signaling	4.18E-01	5.26E-02	NaN	CSF1,PDGFD,PIK3R6,RASD1
Role of IL-17A in Arthritis	4.15E-01	5.56E-02	NaN	CCL5,NFKB1,PIK3R6
Circadian Rhythm Signaling	4.02E-01	6.06E-02	NaN	ADCYAP1,VIPR2
Glycogen Degradation II	4.02E-01	8.33E-02	NaN	PYGL
Clathrin-mediated Endocytosis Signaling	3.99E-01	4.66E-02	NaN	ACTG2,DAB2,HIP1,MYO6,PDGFD,PGF,PIK3R6,SNX9,STON2
Nicotine Degradation III	3.90E-01	5.36E-02	NaN	CYP1A1,CYP4B1,LARGE2
Retinoate Biosynthesis I	3.86E-01	5.88E-02	NaN	ALDH1A2,ALDH1A3
JAK/Stat Signaling	3.78E-01	5.00E-02	NaN	FOS,NFKB1,PIK3R6,RASD1
Fatty Acid Activation	3.76E-01	7.69E-02	NaN	ACSL1
Acyl-CoA Hydrolysis	3.76E-01	7.69E-02	NaN	THEM4
Leukotriene Biosynthesis	3.76E-01	7.69E-02	NaN	ALOX5
Pregnenolone Biosynthesis	3.76E-01	7.69E-02	NaN	MICAL2
Coagulation System	3.72E-01	5.71E-02	NaN	PLAU,VWF
Noradrenaline and Adrenaline Degradation	3.72E-01	5.71E-02	NaN	ALDH1A2,ALDH1A3
Prolactin Signaling	3.68E-01	4.94E-02	NaN	FOS,IRS1,PIK3R6,RASD1
Cancer Drug Resistance By Drug Efflux	3.68E-01	5.17E-02	NaN	ABCG2,NFKB1,RASD1
NAD biosynthesis II (from tryptophan)	3.52E-01	7.14E-02	NaN	AFMID
Glutaryl-CoA Degradation	3.52E-01	7.14E-02	NaN	EHHADH
Isoleucine Degradation I	3.52E-01	7.14E-02	NaN	EHHADH
Glycogen Degradation III	3.52E-01	7.14E-02	NaN	PYGL
CNTF Signaling	3.46E-01	5.00E-02	NaN	IL6ST,PIK3R6,RASD1
Melatonin Degradation I	3.46E-01	5.00E-02	NaN	CYP1A1,CYP4B1,LARGE2
HER-2 Signaling in Breast Cancer	3.41E-01	4.76E-02	NaN	MAP3K5,MMP2,PIK3R6,RASD1
VEGF Family Ligand-Receptor Interactions	3.41E-01	4.76E-02	NaN	FOS,PGF,PIK3R6,RASD1
IL-12 Signaling and Production in Macrophages	3.36E-01	4.55E-02	NaN	FOS,IRF8,NFKB1,PIK3R6,TLR2,TNF
Induction of Apoptosis by HIV1	3.35E-01	4.92E-02	NaN	MAP3K5,NFKB1,TNF
IL-2 Signaling	3.35E-01	4.92E-02	NaN	FOS,PIK3R6,RASD1
Docosahexaenoic Acid (DHA) Signaling	3.31E-01	5.26E-02	NaN	PIK3R6,SERPINF1
Superpathway of Citrulline Metabolism	3.30E-01	6.67E-02	NaN	ASS1
Adenosine Nucleotides Degradation II	3.30E-01	6.67E-02	NaN	ADA
Histidine Degradation VI	3.30E-01	6.67E-02	NaN	MICAL2
Allograft Rejection Signaling	3.24E-01	4.65E-02	NaN	CD28,GZMB,HLA-DQB1,TNF
Systemic Lupus Erythematosus Signaling	3.23E-01	4.35E-02	NaN	CD28,CD79A,FOS,IL36A,LYN,NFATC4,PIK3R6,PIM2,RASD1,TNF
Thrombopoietin Signaling	3.16E-01	4.76E-02	NaN	FOS,PIK3R6,RASD1
Granzyme B Signaling	3.10E-01	6.25E-02	NaN	GZMB
Role of PI3K/AKT Signaling in the Pathogenesis of Influenza	3.06E-01	4.69E-02	NaN	CCL5,NFKB1,PIK3R6
CTLA4 Signaling in Cytotoxic T Lymphocytes	3.00E-01	4.49E-02	NaN	CD28,CD8A,PIK3R6,TRAT1
CD40 Signaling	2.98E-01	4.62E-02	NaN	FOS,NFKB1,PIK3R6
Myc Mediated Apoptosis Signaling	2.98E-01	4.62E-02	NaN	PIK3R6,RASD1,SFN
Superpathway of Melatonin Degradation	2.98E-01	4.62E-02	NaN	CYP1A1,CYP4B1,LARGE2

Role of PKR in Interferon Induction and Antiviral Response	2.95E-01	4.88E-02	NaN	NFKB1,TNF
Estrogen Biosynthesis	2.95E-01	4.88E-02	NaN	CYP11A1,CYP4B1
Triacylglycerol Biosynthesis	2.95E-01	4.88E-02	NaN	PLPP3,PNPLA3
Ubiquinol-10 Biosynthesis (Eukaryotic)	2.92E-01	5.88E-02	NaN	MICAL2
CE2-linolenate Biosynthesis II (Animals)	2.92E-01	5.88E-02	NaN	ACSL1
Mitochondrial L-carnitine Shuttle Pathway	2.92E-01	5.88E-02	NaN	ACSL1
D-myo-inositol (1,4,5)-trisphosphate Degradation	2.92E-01	5.88E-02	NaN	INPP1
Regulation of Cellular Mechanics by Calpain Protease	2.89E-01	4.55E-02	NaN	PTK2,PXN,RASD1
MIF Regulation of Innate Immunity	2.84E-01	4.76E-02	NaN	FOS,NFKB1
Retinol Biosynthesis	2.84E-01	4.76E-02	NaN	LIPC,PNPLA3
Neuroprotective Role of THOP1 in Alzheimer's Disease	2.82E-01	4.31E-02	NaN	ACE,GZMB,MME,MMP9,PRKAR2A
Serotonin Degradation	2.81E-01	4.48E-02	NaN	ALDH1A2,ALDH1A3,LARGE2
1D-myo-inositol Hexakisphosphate Biosynthesis II (Mammalian)	2.75E-01	5.56E-02	NaN	ITPKA
Valine Degradation I	2.75E-01	5.56E-02	NaN	EHHADH
Purine Nucleotides Degradation II (Aerobic)	2.75E-01	5.56E-02	NaN	ADA
D-myo-inositol (1,3,4)-trisphosphate Biosynthesis	2.75E-01	5.56E-02	NaN	ITPKA
FAT10 Signaling Pathway	2.75E-01	5.56E-02	NaN	TNF
ErbB4 Signaling	2.72E-01	4.41E-02	NaN	PIK3R6,PSEN2,RASD1
Tight Junction Signaling	2.67E-01	4.17E-02	NaN	ACTG2,CLDN23,CLDN7,FOS,NFKB1,PRKAR2A,TNF
ErbB Signaling	2.64E-01	4.26E-02	NaN	FOS,HBEGF,PIK3R6,RASD1
DNA damage-induced 14-3-3 σ Signaling	2.60E-01	5.26E-02	NaN	SFN
Apelin Muscle Signaling Pathway	2.60E-01	5.26E-02	NaN	APLN
Role of IL-17F in Allergic Inflammatory Airway Diseases	2.53E-01	4.44E-02	NaN	CSF2,NFKB1
iNOS Signaling	2.53E-01	4.44E-02	NaN	FOS,NFKB1
Stearate Biosynthesis I (Animals)	2.53E-01	4.44E-02	NaN	ACSL1,THEM4
Growth Hormone Signaling	2.49E-01	4.23E-02	NaN	FOS,IRS1,PIK3R6
Small Cell Lung Cancer Signaling	2.49E-01	4.23E-02	NaN	NFKB1,PIK3R6,PTK2
Cardiomyocyte Differentiation via BMP Receptors	2.45E-01	5.00E-02	NaN	BMP10
Granzyme A Signaling	2.45E-01	5.00E-02	NaN	HL1-0
CDP-diacylglycerol Biosynthesis I	2.45E-01	5.00E-02	NaN	PNPLA3
PFKFB4 Signaling Pathway	2.44E-01	4.35E-02	NaN	PFKFB4,PRKAR2A
Actin Nucleation by ARP-WASP Complex	2.42E-01	4.17E-02	NaN	RASD1,RHOBTB1,RND3
Endoplasmic Reticulum Stress Pathway	2.32E-01	4.76E-02	NaN	MAP3K5
Pyrimidine Deoxyribonucleotides De Novo Biosynthesis I	2.20E-01	4.55E-02	NaN	AK8
Phosphatidylglycerol Biosynthesis II (Non-plastidic)	2.20E-01	4.55E-02	NaN	PNPLA3
Apelin Cardiac Fibroblast Signaling Pathway	2.08E-01	4.35E-02	NaN	APLN
IL-22 Signaling	1.97E-01	4.17E-02	NaN	IL22
Role of JAK1, JAK2 and TYK2 in Interferon Signaling	1.97E-01	4.17E-02	NaN	NFKB1
Neuregulin Signaling	0.00E+00	2.08E-02	NaN	HBEGF,RASD1
Mitochondrial Dysfunction	0.00E+00	1.75E-02	NaN	BACE1,GPD2,PSEN2
FXR/RXR Activation	0.00E+00	3.97E-02	NaN	IL36A,LIPC,SDC1,SERPINF1,TNF
PXR/RXR Activation	0.00E+00	3.08E-02	NaN	PRKAR2A,TNF
TR/RXR Activation	0.00E+00	2.38E-02	NaN	PIK3R6,SLC16A2
Regulation of Actin-based Motility by Rho	0.00E+00	3.19E-02	NaN	ACTG2,RHOBTB1,RND3
Activation of IRF by Cytosolic Pattern Recognition Receptors	0.00E+00	3.17E-02	NaN	NFKB1,TNF
Role of RIG1-like Receptors in Antiviral Innate Immunity	0.00E+00	2.27E-02	NaN	NFKB1
Calcium-induced T Lymphocyte Apoptosis	0.00E+00	1.52E-02	NaN	HLA-DQB1
Cytotoxic T Lymphocyte-mediated Apoptosis of Target Cells	0.00E+00	2.94E-02	NaN	GZMB
IL-3 Signaling	0.00E+00	3.80E-02	NaN	FOS,PIK3R6,RASD1
Lymphotoxin CE5 Receptor Signaling	0.00E+00	3.77E-02	NaN	NFKB1,PIK3R6
IL-17 Signaling	0.00E+00	3.75E-02	NaN	NFKB1,PIK3R6,RASD1
CCR3 Signaling in Eosinophils	0.00E+00	3.23E-02	NaN	GNB3,GNB4,PIK3R6,RASD1
Mechanisms of Viral Exit from Host Cells	0.00E+00	2.44E-02	NaN	ACTG2
Cell Cycle Regulation by BTG Family Proteins	0.00E+00	2.70E-02	NaN	HOXB9
Mitotic Roles of Polo-Like Kinase	0.00E+00	1.52E-02	NaN	PLK2
FLT3 Signaling in Hematopoietic Progenitor Cells	0.00E+00	2.41E-02	NaN	PIK3R6,RASD1
Role of Oct4 in Mammalian Embryonic Stem Cell Pluripotency	0.00E+00	2.17E-02	NaN	NR2F2
Melanoma Signaling	0.00E+00	4.00E-02	NaN	PIK3R6,RASD1
Prostate Cancer Signaling	0.00E+00	3.30E-02	NaN	NFKB1,PIK3R6,RASD1
Endometrial Cancer Signaling	0.00E+00	3.33E-02	NaN	PIK3R6,RASD1
Chronic Myeloid Leukemia Signaling	0.00E+00	3.88E-02	NaN	CTBP2,NFKB1,PIK3R6,RASD1
Non-Small Cell Lung Cancer Signaling	0.00E+00	2.74E-02	NaN	PIK3R6,RASD1
Cdc42 Signaling	0.00E+00	1.80E-02	NaN	CDC42BPA,FOS,HLA-DQB1
EIF2 Signaling	0.00E+00	1.34E-02	NaN	ACTG2,PIK3R6,RASD1
Retinoic acid Mediated Apoptosis Signaling	0.00E+00	1.67E-02	NaN	CRABP1
Hereditary Breast Cancer Signaling	0.00E+00	2.14E-02	NaN	PIK3R6,RASD1,SFN
Regulation of eIF4 and p70S6K Signaling	0.00E+00	1.91E-02	NaN	IRS1,PIK3R6,RASD1
Nur77 Signaling in T Lymphocytes	0.00E+00	3.39E-02	NaN	CD28,HLA-DQB1
OX40 Signaling Pathway	0.00E+00	3.33E-02	NaN	HLA-DQB1,NFKB1,TNFRSF4
MIF-mediated Glucocorticoid Regulation	0.00E+00	2.94E-02	NaN	NFKB1
Intrinsic Prothrombin Activation Pathway	0.00E+00	2.38E-02	NaN	COL1A1
IL-17A Signaling in Airway Cells	0.00E+00	3.12E-02	NaN	NFKB1,PIK3R6
Role of JAK2 in Hormone-like Cytokine Signaling	0.00E+00	2.94E-02	NaN	IRS1
Role of JAK family kinases in IL-6-type Cytokine Signaling	0.00E+00	4.00E-02	NaN	IL6ST
Telomerase Signaling	0.00E+00	2.80E-02	NaN	PIK3R6,RASD1,TERT
nNOS Signaling in Neurons	0.00E+00	2.13E-02	NaN	RASD1
ErbB2-ErbB3 Signaling	0.00E+00	3.08E-02	NaN	PIK3R6,RASD1
Thyroid Hormone Metabolism II (via Conjugation and/or Degradation)	0.00E+00	2.63E-02	NaN	LARGE2
Pyrimidine Ribonucleotides De Novo Biosynthesis	0.00E+00	2.27E-02	NaN	AK8
D-myo-inositol (1,4,5)-Trisphosphate Biosynthesis	0.00E+00	4.00E-02	NaN	PLCH1
Salvage Pathways of Pyrimidine Ribonucleotides	0.00E+00	2.06E-02	NaN	AK8,APOBEC3H
Pyrimidine Ribonucleotides Interconversion	0.00E+00	2.38E-02	NaN	AK8
Remodeling of Epithelial Adherens Junctions	0.00E+00	2.90E-02	NaN	ACTG2,TUBB6

UVB-Induced MAPK Signaling	0.00E+00	3.85E-02	NaN	FOS,PIK3R6
UV-Induced MAPK Signaling	0.00E+00	3.92E-02	NaN	FOS,RASD1
HIPPO signaling	0.00E+00	3.53E-02	NaN	CD44,SFN,TEAD4
Unfolded protein response	0.00E+00	3.57E-02	NaN	CEBPD,MAP3K5
Estrogen Receptor Signaling	0.00E+00	2.19E-02	NaN	CTBP2,RASD1,RUNX2
EGF Signaling	0.00E+00	3.64E-02	NaN	FOS,PIK3R6
Interferon Signaling	0.00E+00	2.78E-02	NaN	IFIT3
Protein Ubiquitination Pathway	0.00E+00	2.56E-02	NaN	DNAJC15,DNAJC18,DNAJC22,HSPA12A,UBE2E2,UBE2E3,USP40
FGF Signaling	0.00E+00	3.57E-02	NaN	GAB1,MAP3K5,PIK3R6
Cell Cycle: G2/M DNA Damage Checkpoint Regulation	0.00E+00	2.04E-02	NaN	SFN
Antigen Presentation Pathway	0.00E+00	2.56E-02	NaN	HLA-DQB1
Glutamate Receptor Signaling	0.00E+00	3.51E-02	NaN	GNB3,SLC1A3
TGF- β Signaling	0.00E+00	3.12E-02	NaN	FOS,RASD1,RUNX2
Apoptosis Signaling	0.00E+00	4.04E-02	NaN	MAP3K5,NFKB1,RASD1,TNF
Hypoxia Signaling in the Cardiovascular System	0.00E+00	2.70E-02	NaN	UBE2E2,UBE2E3
Phagosome Maturation	0.00E+00	2.00E-02	NaN	ATP6V0A1,DYNLT1,TUBB6
BAG2 Signaling Pathway	0.00E+00	2.33E-02	NaN	NFKB1
Complement System	0.00E+00	2.70E-02	NaN	ITGAM

Supplemental Table 26. Master table of the qRT-PCR primers used throughout the manuscript

Target	IDT Assay ID	Forward primer 5'-3' seq	Reverse primer 5'-3' seq
CD226	Hs.PT.58.21223734	GCTCTCTTTACACTTACCCACA	GACATTCTTTCCAGGTTCCGA
CD44	Hs.PT.58.4301068	TGAAGATGAAAGAGACAGACACC	CTGGTTCTGTTTTGTGTGGTC
CD8A	Hs.PT.56a.25099014	GAACCGAAGACGTGTTTGC	CAGTTTGAAGTAATGTAGTGGCT
CD9	Hs.PT.56a.4183031	CACCAAGTGCATCAAATACCTG	GTTTCTTGCTCGAAGATGCTC
CDC42BPA	Hs.PT.58.20432510	GGTCCTGGAGATGGAATACAG	CTGAGCCACTGAATACTGTCC
CMPK2	-	CCAGGTTGTTGCCATCGAAG	CAAGAGGGTGGTGACTTTAAGAG
COL6A1	Hs.PT.58.25699746	CCTCGTGGACAAAGTCAAGT	GTGAGGCCTTGGATGATCTC
CSF2	Hs.PT.58.20138984	CAGCCTACCAAGCTCAAG	TGACAAGCAGAAAAGTCCTTCAG
CXCR3	Hs.PT.58.19517534	CAACCACAAGCACCAAAGC	CTCGGCGTCATTTAGCACTT
DTX1	Hs.PT.58.26105230	GCCACTGCTATCTACCCAAC	GTGCCGATAGTGAAGATGAGTC
FSCN1	Hs.PT.58.614427	AGCTGGAGTTCAACGATGG	CCACCTTGTTATAGTCGCAGA
GAPDH*	-	TGCACCACCAACTGCTTAGC	GGCATGGACTGTGGTCATGAG
GBP5-AS1	-	GCTGGAATTTCTGGTGTGTTG	TTTCCAGAACTTAGGCAGTG
HMBS*	-	AGTTGGTAGGCATCACTGCTC	TAATGGGCATCGTTAAGCTGCC
IFITM1	-	CCTACTCCGTGAAGTCTAGG	ATGAATCCAATGGTCATGAGG
IGFBP4	Hs.PT.58.39752241	CCCATCCCCAACTGCGA	GTCCACACACCAGCACTT
IKZF3	Hs.PT.58.4515293	GATGAACTGCGATGTGTGTG	CTCTGCTTTGATGTGTCTTGC
IL17RB	Hs.PT.58.3136597	TCCAACACAGCACTATCATCG	CAAGTAGGAAAATATGGAGTCAGC
ITGA6	Hs.PT.58.453862	TCGAGTTTGATAACGATGCTGA	CATATCGGTGAGCACATGTCA
LINC01871	-	TTCTCAGAGGTCTGGACCAA	GGTAAGTCATATATGCAAGAGAGACA
LYN	Hs.PT.58.19416779	GAGCGGGAAATATGGGATGT	CTCTGTCCAGGTAAAGCTGAG
MMP25	Hs.PT.58.40446700	CCTAGCCCATGCCTTCTTC	CCAACTCATGGACAGCCA
MMP9	Hs.PT.58.22814824.g	ACATCGTCATCCAGTTTGGTG	CGTCGAAATGGGCGTCT
MX1-AS1	-	GGACATCCCATCTCAAATGC	AAGGCCAAGTGAATGAGC
NFKB1	Hs.PT.58.20344216	CAGGAGACGTGAAGATGCTG	AGTTGAGAATGAAGGTGGATGA
NR1R	-	AGTGTTCTCTCCCTCCAT	CAGCCAGGTAGGATTCATTT
OAS123-AS1	-	ACAACCAGGACAAGAACC	ATTTCCCTCAGCCATAATCCC
PRKAR2A	Hs.PT.58.3890712	TGGAGAACGCATAATCACTCAG	CACCATCCTTGTTTGATTTAGTCC
PTGDR2	Hs.PT.58.1891919	CTCTTGCTAGCTGCTGTGTCAG	AGAGTGGCTTCAGTGTGG
RSAD2	Hs.PT.58.713843	GTCACAGGAGATAGCGAGAATG	CGTGAGCATCGTGAGCAAT
SDHA*	-	TGGGAACAAGAGGGCATCTG	CCACCACTGCATCAAATTCATG
SLAMF1	Hs.PT.58.24703737	ACGAACCATTACCAGACAACAG	GGAAGGAGTCAAGTTTCTTCTGA
SLAMF7	Hs.PT.58.1239856	GGATATACAGCTCACTCCAG	GTGCCATTCTTATTGCTCTGC
SPINT1	Hs.PT.58.20368395	GGCAACAAGAACAACCTTTGAGG	GCAGATGACCAGGAACACT
STAT3	Hs.PT.58.20367494	TGCTTCCCTGATTGTGACTG	AGGCATTTGGCATCTGACAG
TBX21	Hs.PT.58.3936407	CCAAGTTTAAATCAGCACCAGAC	CGTCCACAAACATCCTGTAGT
TNFRSF8	Hs.PT.56a.4403308	AGCTGCTTCTAAACTGACGAG	CCTGCTTTCTGCAATCACC
TOX2	Hs.PT.58.19760150	TCAGAACCCTCAGTGCCA	CTGCTTCTGTCTTCTCTTGT
YWHAZ*	-	ACTTTTGGTACATTGTGGCTTCA	CCGCCAGGACAAACCAGTAT
OAS1	-	GAAAGGTGCTTCCGAGGTAG	CAGGTCAGCGTCAGATCG
MX1	Hs.PT.58.39051980	GAGTCAATGAGGTCGATGCAG	CCCACCCTCTATTACTGAATGG
GBP5	Hs.PT.58.22433846	GCTTCTGCTTCACTTGTGC	CGGAAAGGAATACAGGCTGA
IL6R	Hs.PT.58.3039085	CTGTGCTCTTGGTGAGGAA	GCTAACTGGCAGGAGAAGTTC
IDO2	Hs.PT.58.3013208	CAGTGCTTCATGCCTTTGATG	GGTGCTGAGTGGATGTCTTC
IRF7	Hs.PT.58.22719116.g	CACCAGGCAGAGCCGTA	GTGTCCCACCACCTTCTG
CSF1	Hs.PT.58.26882150	TGTCGGAGTACTGTAGCCA	TCTTCAACTGTTTCTGGTCTAC
LIF	Hs.PT.58.2876127.g	ACTACACAAGTCATCTACAAGAGC	CCACCTAAGTCCCAACCTAAG

Footnote:

* Indicates housekeeper genes

Supplemental Table 27: Master table of the antibodies and clones used throughout the manuscript

Antibody	Cat. Number	Company	Clone	Isotype
PE CD226	559789	BD	DX11	IgG1
PE CD30 (TNFRSF8)	550041	BD	BerH8	IgG1
PE CD44	561858	BD	G44-26	IgG2b
PE CD8a	561949	BD	RPA-T8	IgG1
PE CD183 (CXCR3)	550633	BD	1C6/CXCR3	IgG1
PE α -Aiolos	371103	Biolegend	16D9C97	IgG1
PE α -T-Bet	644809	Biolegend	4B10	IgG1
PE IgG1	400139	Biolegend	MOPC21	IgG1