

Table S2: All genes significantly upregulated by ibuprofen in interleukin 1 β -treated chondrocytes

Gene	Name	Mean (IL1)	Mean (IL1+ibu)	FC	adj. p
PPARG	peroxisome proliferator activated receptor gamma [Source:HGNC Symbol;Acc:HGNC:9236]	0.3	0.9	2.87	5.00E-06
UMODL1	uromodulin like 1 [Source:HGNC Symbol;Acc:HGNC:12560]	0.3	0.7	2.39	0.00106
XIRP1	xin actin binding repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:14301]	5.7	13.4	2.38	0
DACT1	dishevelled binding antagonist of beta catenin 1 [Source:HGNC Symbol;Acc:HGNC:17748]	4.0	8.4	2.10	0
CSF2	colony stimulating factor 2 [Source:HGNC Symbol;Acc:HGNC:2434]	5.2	11.2	2.09	0
PPARGC1B	PPARG coactivator 1 beta [Source:HGNC Symbol;Acc:HGNC:30022]	0.4	0.8	2.07	0.000238
DNM1P35	dynamitin 1 pseudogene 35 [Source:HGNC Symbol;Acc:HGNC:35182]	0.3	0.6	1.98	0.003992
LINC00702	long intergenic non-protein coding RNA 702 [Source:HGNC Symbol;Acc:HGNC:44676]	3.3	6.3	1.95	0
FAM186B	family with sequence similarity 186 member B [Source:HGNC Symbol;Acc:HGNC:25296]	0.4	0.7	1.92	0.003486
SOX17	SRY-box 17 [Source:HGNC Symbol;Acc:HGNC:18122]	3.5	6.8	1.91	0
MTSS1	MTSS1, I-BAR domain containing [Source:HGNC Symbol;Acc:HGNC:20443]	6.9	12.6	1.90	0
AKAP6	A-kinase anchoring protein 6 [Source:HGNC Symbol;Acc:HGNC:376]	2.1	3.9	1.89	0
PDE5A	phosphodiesterase 5A [Source:HGNC Symbol;Acc:HGNC:8784]	1.2	2.3	1.85	7.00E-06
RGS2	regulator of G protein signaling 2 [Source:HGNC Symbol;Acc:HGNC:9998]	52.1	95.9	1.85	0
OR7E12P	olfactory receptor family 7 subfamily E member 12 pseudogene	0.5	0.9	1.81	0.011208
CAMK2A	calcium/calmodulin dependent protein kinase II alpha [Source:HGNC Symbol;Acc:HGNC:1460]	1.8	3.3	1.81	0
CSPG4P13	chondroitin sulfate proteoglycan 4 pseudogene 13 [Source:HGNC Symbol;Acc:HGNC:49195]	3.8	6.5	1.81	0
EML5	echinoderm microtubule associated protein like 5 [Source:HGNC Symbol;Acc:HGNC:18197]	1.0	1.7	1.79	1.10E-05
MAP1LC3C	microtubule associated protein 1 light chain 3 gamma [Source:HGNC Symbol;Acc:HGNC:13353]	0.7	1.2	1.79	3.30E-05
NRG1	neuregulin 1 [Source:HGNC Symbol;Acc:HGNC:7997]	0.7	1.3	1.78	5.90E-05
SELE	selectin E [Source:HGNC Symbol;Acc:HGNC:10718]	41.3	73.5	1.78	0
FCRLA	Fc receptor like A [Source:HGNC Symbol;Acc:HGNC:18504]	4.2	7.4	1.76	0
TTC4P1	tetratricopeptide repeat domain 4 pseudogene 1 [Source:HGNC Symbol;Acc:HGNC:12395]	0.6	1.1	1.75	0.001928
DENND3	DENN domain containing 3 [Source:HGNC Symbol;Acc:HGNC:29134]	14.6	25.3	1.75	0
SNORA33	small nucleolar RNA, H/ACA box 33 [Source:HGNC Symbol;Acc:HGNC:32623]	0.5	0.8	1.74	0.001637
FCRLB	Fc receptor like B [Source:HGNC Symbol;Acc:HGNC:26431]	0.8	1.4	1.73	3.30E-05
MOXD1	monooxygenase DBH like 1 [Source:HGNC Symbol;Acc:HGNC:21063]	123.1	210.3	1.72	0
SPNS2	sphingolipid transporter 2 [Source:HGNC Symbol;Acc:HGNC:26992]	2.4	4.0	1.72	0
PODXL	podocalyxin like [Source:HGNC Symbol;Acc:HGNC:9171]	11.2	19.0	1.71	0
RP1	RP1, axonemal microtubule associated [Source:HGNC Symbol;Acc:HGNC:10263]	0.4	0.6	1.67	0.023302
CNTNAP3B	contactin associated protein-like 3B [Source:HGNC Symbol;Acc:HGNC:32035]	0.3	0.6	1.66	0.038371
IDO1	indoleamine 2,3-dioxygenase 1 [Source:HGNC Symbol;Acc:HGNC:6059]	1.3	2.1	1.65	0.001177
SCUBE3	signal peptide, CUB domain and EGF like domain containing 3	42.5	72.5	1.64	0
KCNJ15	potassium voltage-gated channel subfamily J member 15	1.3	2.2	1.63	1.00E-06
SERPINE1	serpin family E member 1 [Source:HGNC Symbol;Acc:HGNC:8583]	455.9	748.6	1.62	0
PSD2	pleckstrin and Sec7 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:19092]	0.4	0.6	1.62	0.03456

LINGO1	leucine rich repeat and Ig domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21205]	1.9	3.1	1.61	0
AKNAD1	AKNA domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28398]	0.6	1.0	1.60	0.004808
STRA6	stimulated by retinoic acid 6 [Source:HGNC Symbol;Acc:HGNC:30650]	1.9	2.9	1.59	0.000583
ITGAX	integrin subunit alpha X [Source:HGNC Symbol;Acc:HGNC:6152]	11.0	17.4	1.58	0
KCNN3	potassium calcium-activated channel subfamily N member 3	2.8	4.3	1.58	0
ICAM5	intercellular adhesion molecule 5 [Source:HGNC Symbol;Acc:HGNC:5348]	4.5	7.2	1.58	0
FGD4	FYVE, RhoGEF and PH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:19125]	21.9	34.0	1.57	0
KCNN4	potassium calcium-activated channel subfamily N member 4	6.4	10.0	1.57	0
AQP7P2	aquaporin 7 pseudogene 2 [Source:HGNC Symbol;Acc:HGNC:32049]	0.7	1.1	1.56	0.007679
LRRRC55	leucine rich repeat containing 55 [Source:HGNC Symbol;Acc:HGNC:32324]	0.8	1.3	1.56	0.001345
CXCR3	C-X-C motif chemokine receptor 3 [Source:HGNC Symbol;Acc:HGNC:4540]	0.7	1.1	1.55	0.016812
CD24	CD24 molecule [Source:HGNC Symbol;Acc:HGNC:1645]	5.4	8.5	1.55	0
FGR	FGR proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:3697]	3.4	5.2	1.54	0
PEG10	paternally expressed 10 [Source:HGNC Symbol;Acc:HGNC:14005]	23.9	36.4	1.54	0
SIGLEC15	sialic acid binding Ig like lectin 15 [Source:HGNC Symbol;Acc:HGNC:27596]	1.6	2.4	1.54	0.000241
CPNE2	copine 2 [Source:HGNC Symbol;Acc:HGNC:2315]	18.7	28.9	1.54	0
WNK4	WNK lysine deficient protein kinase 4 [Source:HGNC Symbol;Acc:HGNC:14544]	4.6	7.0	1.53	0
RTL3	retrotransposon Gag like 3 [Source:HGNC Symbol;Acc:HGNC:22997]	3.3	5.0	1.53	0
RGS3	regulator of G protein signaling 3 [Source:HGNC Symbol;Acc:HGNC:9999]	65.1	99.2	1.52	0
AOC2	amine oxidase, copper containing 2 [Source:HGNC Symbol;Acc:HGNC:549]	68.0	102.3	1.51	0
IL10RA	interleukin 10 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:5964]	1.0	1.6	1.51	0.001781
RGS16	regulator of G protein signaling 16 [Source:HGNC Symbol;Acc:HGNC:9997]	60.1	90.0	1.51	0
PCDH17	protocadherin 17 [Source:HGNC Symbol;Acc:HGNC:14267]	0.9	1.4	1.51	0.028007
GPR158	G protein-coupled receptor 158 [Source:HGNC Symbol;Acc:HGNC:23689]	1.3	1.9	1.50	0.000172
CCNE2	cyclin E2 [Source:HGNC Symbol;Acc:HGNC:1590]	1.0	1.5	1.50	0.001637
METTL7A	methyltransferase like 7A [Source:HGNC Symbol;Acc:HGNC:24550]	108.0	158.9	1.50	0
CCDC141	coiled-coil domain containing 141 [Source:HGNC Symbol;Acc:HGNC:26821]	2.3	3.4	1.49	1.30E-05
GLI1	GLI family zinc finger 1 [Source:HGNC Symbol;Acc:HGNC:4317]	1.1	1.7	1.49	0.011342
SLC4A3	solute carrier family 4 member 3 [Source:HGNC Symbol;Acc:HGNC:11029]	1.1	1.7	1.49	0.001498
CSPG4	chondroitin sulfate proteoglycan 4 [Source:HGNC Symbol;Acc:HGNC:2466]	1142.2	1673.9	1.48	0
LRFN5	leucine rich repeat and fibronectin type III domain containing 5	1.4	2.0	1.48	0.000221
CTGF	connective tissue growth factor [Source:HGNC Symbol;Acc:HGNC:2500]	1669.1	2441.4	1.48	0
SLC30A4	solute carrier family 30 member 4 [Source:HGNC Symbol;Acc:HGNC:11015]	3.9	5.7	1.47	4.00E-06
SYNE3	spectrin repeat containing nuclear envelope family member 3	5.9	8.6	1.47	0
ODF3L1	outer dense fiber of sperm tails 3 like 1 [Source:HGNC Symbol;Acc:HGNC:28735]	1.9	2.8	1.47	0.000114
TTN	titin [Source:HGNC Symbol;Acc:HGNC:12403]	3.8	5.3	1.47	0.007375
SYN3	synapsin III [Source:HGNC Symbol;Acc:HGNC:11496]	0.9	1.3	1.47	0.006747
REEP1	receptor accessory protein 1 [Source:HGNC Symbol;Acc:HGNC:25786]	0.8	1.1	1.46	0.013854
LINC01705	long intergenic non-protein coding RNA 1705 [Source:HGNC Symbol;Acc:HGNC:52493]	1.7	2.4	1.46	0.000435

EPHA3	EPH receptor A3 [Source:HGNC Symbol;Acc:HGNC:3387]	1.1	1.6	1.45	0.002677
LOXL4	lysyl oxidase like 4 [Source:HGNC Symbol;Acc:HGNC:17171]	365.3	517.4	1.45	0
CLDN4	claudin 4 [Source:HGNC Symbol;Acc:HGNC:2046]	1.3	1.8	1.45	0.002675
KIF21B	kinesin family member 21B [Source:HGNC Symbol;Acc:HGNC:29442]	2.3	3.3	1.45	0.000109
S1PR1	sphingosine-1-phosphate receptor 1 [Source:HGNC Symbol;Acc:HGNC:3165]	8.4	12.0	1.44	0
COL1A1	collagen type I alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2197]	6.1	8.7	1.44	2.00E-06
ELN	elastin [Source:HGNC Symbol;Acc:HGNC:3327]	9.6	13.3	1.44	0
CNR1	cannabinoid receptor 1 [Source:HGNC Symbol;Acc:HGNC:2159]	1.3	1.9	1.44	0.002688
FMNL3	formin like 3 [Source:HGNC Symbol;Acc:HGNC:23698]	46.3	66.2	1.44	0
POU3F1	POU class 3 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9214]	1.9	2.8	1.44	0.003873
TBC1D1	TBC1 domain family member 1 [Source:HGNC Symbol;Acc:HGNC:11578]	63.2	90.8	1.44	0
IL4I1	interleukin 4 induced 1 [Source:HGNC Symbol;Acc:HGNC:19094]	13.0	18.9	1.44	0
TCF7	transcription factor 7 (T-cell specific, HMG-box) [Source:HGNC Symbol;Acc:HGNC:11639]	2.1	2.9	1.43	0.001158
RSAD2	radical S-adenosyl methionine domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30908]	1.4	2.0	1.43	0.016706
NREP	neuronal regeneration related protein [Source:HGNC Symbol;Acc:HGNC:16834]	12.3	17.8	1.43	0
GPR176	G protein-coupled receptor 176 [Source:HGNC Symbol;Acc:HGNC:32370]	42.7	60.4	1.43	0
FLG	filaggrin [Source:HGNC Symbol;Acc:HGNC:3748]	1.3	1.8	1.43	0.007667
SPRY2	sprouty RTK signaling antagonist 2 [Source:HGNC Symbol;Acc:HGNC:11270]	101.4	145.8	1.43	0
SLAMF8	SLAM family member 8 [Source:HGNC Symbol;Acc:HGNC:21391]	4.4	6.3	1.42	1.00E-06
MAP3K7CL	MAP3K7 C-terminal like [Source:HGNC Symbol;Acc:HGNC:16457]	16.0	22.5	1.42	0
DLL4	delta like canonical Notch ligand 4 [Source:HGNC Symbol;Acc:HGNC:2910]	0.9	1.3	1.42	0.049621
ITGA9	integrin subunit alpha 9 [Source:HGNC Symbol;Acc:HGNC:6145]	3.0	4.3	1.42	7.60E-05
RFLNA	refilin A [Source:HGNC Symbol;Acc:HGNC:27051]	6.0	8.3	1.42	0
KLF6	Kruppel like factor 6 [Source:HGNC Symbol;Acc:HGNC:2235]	246.7	350.1	1.42	0
TP63	tumor protein p63 [Source:HGNC Symbol;Acc:HGNC:15979]	0.8	1.1	1.42	0.040254
LINC01686	long intergenic non-protein coding RNA 1686 [Source:HGNC Symbol;Acc:HGNC:27643]	2.0	2.8	1.42	0.000326
OXTR	oxytocin receptor [Source:HGNC Symbol;Acc:HGNC:8529]	2.6	3.7	1.42	1.40E-05
ADRA2A	adrenoceptor alpha 2A [Source:HGNC Symbol;Acc:HGNC:281]	2.7	4.0	1.41	0.000574
WSCD2	WSC domain containing 2 [Source:HGNC Symbol;Acc:HGNC:29117]	1.8	2.5	1.41	0.007526
HDAC9	histone deacetylase 9 [Source:HGNC Symbol;Acc:HGNC:14065]	15.6	21.7	1.41	0
VEGFC	vascular endothelial growth factor C [Source:HGNC Symbol;Acc:HGNC:12682]	14.9	21.0	1.41	0
ICAM4	intercellular adhesion molecule 4 (Landsteiner-Wiener blood group) [Source:HGNC Symbol;Acc:HGNC:5347]	47.5	64.7	1.41	0
FOXA3	forkhead box A3 [Source:HGNC Symbol;Acc:HGNC:5023]	4.5	6.4	1.41	6.40E-05
ITGB3	integrin subunit beta 3 [Source:HGNC Symbol;Acc:HGNC:6156]	9.6	13.1	1.40	3.40E-05
MYEOV	myeloma overexpressed [Source:HGNC Symbol;Acc:HGNC:7563]	5.9	8.3	1.40	0
ITGB2-AS1	ITGB2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44304]	2.4	3.3	1.40	8.00E-05
SLC37A2	solute carrier family 37 member 2 [Source:HGNC Symbol;Acc:HGNC:20644]	30.2	41.2	1.40	0
CSF1	colony stimulating factor 1 [Source:HGNC Symbol;Acc:HGNC:2432]	5526.8	7647.7	1.40	0
CLTCL1	clathrin heavy chain like 1 [Source:HGNC Symbol;Acc:HGNC:2093]	4.7	6.6	1.40	4.10E-05

FERMT1	fermitin family member 1 [Source:HGNC Symbol;Acc:HGNC:15889]	30.7	45.7	1.39	6.00E-06
CD83	CD83 molecule [Source:HGNC Symbol;Acc:HGNC:1703]	41.2	56.0	1.39	0
CBLB	Cbl proto-oncogene B [Source:HGNC Symbol;Acc:HGNC:1542]	30.5	41.8	1.39	0
VCAM1	vascular cell adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:12663]	2542.4	3522.1	1.39	0
RPSAP52	ribosomal protein SA pseudogene 52 [Source:HGNC Symbol;Acc:HGNC:35752]	0.9	1.2	1.39	0.031277
AOC3	amine oxidase, copper containing 3 [Source:HGNC Symbol;Acc:HGNC:550]	17.0	23.6	1.39	0
SBSN	suprabasin [Source:HGNC Symbol;Acc:HGNC:24950]	18.4	25.2	1.39	0
ARC	activity regulated cytoskeleton associated protein [Source:HGNC Symbol;Acc:HGNC:648]	67.0	95.2	1.39	0
NOCT	nocturnin [Source:HGNC Symbol;Acc:HGNC:14254]	16.5	22.8	1.39	0
HMGA1	high mobility group AT-hook 1 [Source:HGNC Symbol;Acc:HGNC:5010]	910.8	1248.2	1.38	0
LY75	lymphocyte antigen 75 [Source:HGNC Symbol;Acc:HGNC:6729]	1.3	1.8	1.38	0.025643
C10orf105	chromosome 10 open reading frame 105 [Source:HGNC Symbol;Acc:HGNC:20304]	3.4	4.6	1.38	0.000152
TSPAN2	tetraspanin 2 [Source:HGNC Symbol;Acc:HGNC:20659]	3.8	5.2	1.38	3.00E-06
PHACTR2	phosphatase and actin regulator 2 [Source:HGNC Symbol;Acc:HGNC:20956]	18.7	25.5	1.38	0
TRIM63	tripartite motif containing 63 [Source:HGNC Symbol;Acc:HGNC:16007]	1.5	2.0	1.38	0.007375
KCNA1	potassium voltage-gated channel subfamily A member 1 [Source:HGNC Symbol;Acc:HGNC:6218]	1.6	2.2	1.38	0.037872
PCDH19	protocadherin 19 [Source:HGNC Symbol;Acc:HGNC:14270]	3.4	4.8	1.38	0.007291
ZNF367	zinc finger protein 367 [Source:HGNC Symbol;Acc:HGNC:18320]	6.3	8.7	1.38	0
NPL	N-acetylneuraminate pyruvate lyase [Source:HGNC Symbol;Acc:HGNC:16781]	2.9	4.0	1.38	0.000199
LRRC75A	leucine rich repeat containing 75A [Source:HGNC Symbol;Acc:HGNC:32403]	1.0	1.3	1.38	0.032947
USP53	ubiquitin specific peptidase 53 [Source:HGNC Symbol;Acc:HGNC:29255]	139.8	189.3	1.37	0
SAA2	serum amyloid A2 [Source:HGNC Symbol;Acc:HGNC:10514]	27.1	37.5	1.37	1.10E-05
SAV1	salvador family WW domain containing protein 1 [Source:HGNC Symbol;Acc:HGNC:17795]	84.0	115.1	1.37	0
SERPINB2	serpin family B member 2 [Source:HGNC Symbol;Acc:HGNC:8584]	6.9	9.3	1.37	8.80E-05
KLHL34	kelch like family member 34 [Source:HGNC Symbol;Acc:HGNC:26634]	1.0	1.4	1.37	0.029453
FLNC	filamin C [Source:HGNC Symbol;Acc:HGNC:3756]	2.4	3.4	1.37	0.015596
ESPN	espin [Source:HGNC Symbol;Acc:HGNC:13281]	2.4	3.2	1.37	0.001928
DGKH	diacylglycerol kinase eta [Source:HGNC Symbol;Acc:HGNC:2854]	22.0	30.0	1.37	4.00E-06
RASSF5	Ras association domain family member 5 [Source:HGNC Symbol;Acc:HGNC:17609]	8.2	11.2	1.37	0
GTSE1	G2 and S-phase expressed 1 [Source:HGNC Symbol;Acc:HGNC:13698]	1.4	1.9	1.36	0.019522
CCDC69	coiled-coil domain containing 69 [Source:HGNC Symbol;Acc:HGNC:24487]	1.1	1.6	1.36	0.026745
TIMP3	TIMP metalloproteinase inhibitor 3 [Source:HGNC Symbol;Acc:HGNC:11822]	907.2	1204.5	1.36	0
KHDRBS3	KH RNA binding domain containing, signal transduction associated 3	3.2	4.3	1.36	0.000121
HADH	hydroxyacyl-CoA dehydrogenase [Source:HGNC Symbol;Acc:HGNC:4799]	13.8	18.7	1.36	0
RHBDL2	rhomboid like 2 [Source:HGNC Symbol;Acc:HGNC:16083]	2.4	3.3	1.36	0.004592
TTC9	tetratricopeptide repeat domain 9 [Source:HGNC Symbol;Acc:HGNC:20267]	5.3	7.2	1.36	0
C1orf198	chromosome 1 open reading frame 198 [Source:HGNC Symbol;Acc:HGNC:25900]	83.3	112.5	1.35	0
UHRF1	ubiquitin like with PHD and ring finger domains 1 [Source:HGNC Symbol;Acc:HGNC:12556]	1.8	2.4	1.35	0.005686
IL24	interleukin 24 [Source:HGNC Symbol;Acc:HGNC:11346]	2.4	3.2	1.35	0.026367

CACNB1	calcium voltage-gated channel auxiliary subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:1401]	7.6	10.3	1.35	0
SCNN1A	sodium channel epithelial 1 alpha subunit [Source:HGNC Symbol;Acc:HGNC:10599]	2.5	3.2	1.35	0.008507
SSTR2	somatostatin receptor 2 [Source:HGNC Symbol;Acc:HGNC:11331]	52.3	70.3	1.35	0
SEMA5A	semaphorin 5A [Source:HGNC Symbol;Acc:HGNC:10736]	1.8	2.4	1.35	0.012787
RRAD	RRAD, Ras related glycolysis inhibitor and calcium channel regulator	13.4	18.1	1.35	0
CDK5R1	cyclin dependent kinase 5 regulatory subunit 1	3.2	4.3	1.35	6.40E-05
TNFSF18	TNF superfamily member 18 [Source:HGNC Symbol;Acc:HGNC:11932]	11.3	15.0	1.35	0
ERRFI1	ERBB receptor feedback inhibitor 1 [Source:HGNC Symbol;Acc:HGNC:18185]	961.6	1287.3	1.35	0
IL34	interleukin 34 [Source:HGNC Symbol;Acc:HGNC:28529]	1.1	1.5	1.35	0.032037
SYNPO2	synaptopodin 2 [Source:HGNC Symbol;Acc:HGNC:17732]	5.9	8.1	1.35	0.004969
AIRE	autoimmune regulator [Source:HGNC Symbol;Acc:HGNC:360]	4.2	5.6	1.35	2.20E-05
ATP6V1C2	ATPase H ⁺ transporting V1 subunit C2 [Source:HGNC Symbol;Acc:HGNC:18264]	2.5	3.3	1.34	0.002231
AFAP1L2	actin filament associated protein 1 like 2 [Source:HGNC Symbol;Acc:HGNC:25901]	2.6	3.5	1.34	0.008782
RBPJ	recombination signal binding protein for immunoglobulin kappa J region	151.4	203.1	1.34	0
MYLK	myosin light chain kinase [Source:HGNC Symbol;Acc:HGNC:7590]	2.8	3.7	1.34	0.004592
IL36RN	interleukin 36 receptor antagonist [Source:HGNC Symbol;Acc:HGNC:15561]	119.1	160.5	1.34	0
PDE1B	phosphodiesterase 1B [Source:HGNC Symbol;Acc:HGNC:8775]	6.5	8.7	1.34	0
COL13A1	collagen type XIII alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2190]	3.7	5.0	1.34	0.000259
MBNL1-AS1	MBNL1 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:44584]	9.4	12.7	1.34	0
ABLIM1	actin binding LIM protein 1 [Source:HGNC Symbol;Acc:HGNC:78]	6.4	8.4	1.34	0.000115
TRPV2	transient receptor potential cation channel subfamily V member 2	2.4	3.2	1.33	0.003873
ALCAM	activated leukocyte cell adhesion molecule	32.8	43.1	1.33	0
NEDD4L	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase	31.9	42.3	1.33	0
CTSW	cathepsin W [Source:HGNC Symbol;Acc:HGNC:2546]	8.3	11.0	1.33	1.00E-06
INHBE	inhibin beta E subunit [Source:HGNC Symbol;Acc:HGNC:24029]	1.5	1.9	1.33	0.041767
SEMA7A	semaphorin 7A (John Milton Hagen blood group) [Source:HGNC Symbol;Acc:HGNC:10741]	22.1	29.4	1.33	0
FABP3	fatty acid binding protein 3 [Source:HGNC Symbol;Acc:HGNC:3557]	4.2	5.5	1.33	3.60E-05
THSD4	thrombospondin type 1 domain containing 4 [Source:HGNC Symbol;Acc:HGNC:25835]	9.0	12.0	1.33	3.30E-05
KBTBD12	kelch repeat and BTB domain containing 12 [Source:HGNC Symbol;Acc:HGNC:25731]	1.1	1.5	1.33	0.039735
FAM84A	family with sequence similarity 84 member A [Source:HGNC Symbol;Acc:HGNC:20743]	1.9	2.5	1.33	0.009351
ZFP36	ZFP36 ring finger protein [Source:HGNC Symbol;Acc:HGNC:12862]	26.3	34.9	1.33	0
PCDH10	protocadherin 10 [Source:HGNC Symbol;Acc:HGNC:13404]	3.8	5.0	1.33	0.001302
CYP2U1	cytochrome P450 family 2 subfamily U member 1 [Source:HGNC Symbol;Acc:HGNC:20582]	17.1	22.6	1.33	0
P2RY6	pyrimidinergic receptor P2Y6 [Source:HGNC Symbol;Acc:HGNC:8543]	3.3	4.2	1.33	0.005071
S100A3	S100 calcium binding protein A3 [Source:HGNC Symbol;Acc:HGNC:10493]	6.6	8.6	1.33	0.003118
LFNG	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Source:HGNC Symbol;Acc:HGNC:6560]	14.2	18.4	1.33	2.00E-06
MBNL1	muscleblind like splicing regulator 1 [Source:HGNC Symbol;Acc:HGNC:6923]	228.2	299.5	1.33	0
CDKL1	cyclin dependent kinase like 1 [Source:HGNC Symbol;Acc:HGNC:1781]	6.8	8.8	1.33	5.50E-05
ATP2B4	ATPase plasma membrane Ca ²⁺ transporting 4 [Source:HGNC Symbol;Acc:HGNC:817]	100.3	130.7	1.32	2.00E-06

DLX3	distal-less homeobox 3 [Source:HGNC Symbol;Acc:HGNC:2916]	13.2	17.5	1.32	0
ADRB2	adrenoceptor beta 2 [Source:HGNC Symbol;Acc:HGNC:286]	13.6	17.8	1.32	0
ADAMTS17	ADAM metalloproteinase with thrombospondin type 1 motif 17 [Source:HGNC Symbol;Acc:HGNC:17109]	15.5	20.4	1.32	0
SLC13A3	solute carrier family 13 member 3 [Source:HGNC Symbol;Acc:HGNC:14430]	13.5	17.7	1.32	0
HBEGF	heparin binding EGF like growth factor [Source:HGNC Symbol;Acc:HGNC:3059]	67.0	88.5	1.32	0
NEFM	neurofilament medium [Source:HGNC Symbol;Acc:HGNC:7734]	13.5	18.3	1.32	2.00E-06
CCND1	cyclin D1 [Source:HGNC Symbol;Acc:HGNC:1582]	447.3	590.5	1.32	0
MEOX2	mesenchyme homeobox 2 [Source:HGNC Symbol;Acc:HGNC:7014]	13.0	17.3	1.32	0
SOCS2-AS1	SOCS2 antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:27054]	2.7	3.5	1.32	0.000821
EDA	ectodysplasin A [Source:HGNC Symbol;Acc:HGNC:3157]	2.0	2.6	1.32	0.006294
CLSTN2	calsyntenin 2 [Source:HGNC Symbol;Acc:HGNC:17448]	1.9	2.5	1.32	0.023017
HIVEP3	human immunodeficiency virus type I enhancer binding protein 3 [Source:HGNC Symbol;Acc:HGNC:13561]	5.8	7.6	1.31	0.002803
PLCG2	phospholipase C gamma 2 [Source:HGNC Symbol;Acc:HGNC:9066]	28.0	36.4	1.31	0
RGCC	regulator of cell cycle [Source:HGNC Symbol;Acc:HGNC:20369]	110.0	141.9	1.31	0
L3MBTL4	l(3)mbt-like 4 (Drosophila) [Source:HGNC Symbol;Acc:HGNC:26677]	7.3	9.4	1.31	0.000559
ZNF57	zinc finger protein 57 [Source:HGNC Symbol;Acc:HGNC:13125]	1.8	2.4	1.31	0.024135
IL36B	interleukin 36, beta [Source:HGNC Symbol;Acc:HGNC:15564]	23.7	30.8	1.31	0
ATP9A	ATPase phospholipid transporting 9A (putative) [Source:HGNC Symbol;Acc:HGNC:13540]	21.6	27.8	1.31	1.80E-05
SAMD9	sterile alpha motif domain containing 9 [Source:HGNC Symbol;Acc:HGNC:1348]	12.7	16.3	1.31	3.30E-05
DUSP2	dual specificity phosphatase 2 [Source:HGNC Symbol;Acc:HGNC:3068]	3.5	4.6	1.31	0.003673
ICOSLG	inducible T-cell costimulator ligand [Source:HGNC Symbol;Acc:HGNC:17087]	10.2	13.4	1.31	0
NRGN	neurogranin [Source:HGNC Symbol;Acc:HGNC:8000]	5.2	6.8	1.31	0.001941
ATP8A1	ATPase phospholipid transporting 8A1 [Source:HGNC Symbol;Acc:HGNC:13531]	2.1	2.7	1.31	0.049577
SAMD5	sterile alpha motif domain containing 5 [Source:HGNC Symbol;Acc:HGNC:21180]	6.1	7.9	1.31	0.00088
FHDC1	FH2 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29363]	22.5	28.9	1.31	0
ANK3	ankyrin 3 [Source:HGNC Symbol;Acc:HGNC:494]	4.9	6.3	1.31	0.002237
ATP8B1	ATPase phospholipid transporting 8B1 [Source:HGNC Symbol;Acc:HGNC:3706]	4.1	5.3	1.31	0.000226
LGALS1	galectin like [Source:HGNC Symbol;Acc:HGNC:25012]	30.4	39.7	1.31	0
CDK6	cyclin dependent kinase 6 [Source:HGNC Symbol;Acc:HGNC:1777]	23.6	30.1	1.31	2.80E-05
ERFE	erythroferrone [Source:HGNC Symbol;Acc:HGNC:26727]	6.5	8.5	1.30	1.20E-05
LRRC38	leucine rich repeat containing 38 [Source:HGNC Symbol;Acc:HGNC:27005]	34.2	43.4	1.30	0
IL36G	interleukin 36, gamma [Source:HGNC Symbol;Acc:HGNC:15741]	29.6	38.8	1.30	0
CMKLR1	chemerin chemokine-like receptor 1 [Source:HGNC Symbol;Acc:HGNC:2121]	13.2	16.8	1.30	1.00E-06
AQP3	aquaporin 3 (Gill blood group) [Source:HGNC Symbol;Acc:HGNC:636]	5.8	7.4	1.30	0.001138
SYTL2	synaptotagmin like 2 [Source:HGNC Symbol;Acc:HGNC:15585]	2.9	3.8	1.30	0.007389
ARHGAP31	Rho GTPase activating protein 31 [Source:HGNC Symbol;Acc:HGNC:29216]	35.5	45.5	1.30	0
TMEM173	transmembrane protein 173 [Source:HGNC Symbol;Acc:HGNC:27962]	33.1	42.8	1.30	0
SLC26A4	solute carrier family 26 member 4 [Source:HGNC Symbol;Acc:HGNC:8818]	2.1	2.6	1.30	0.031182
IFIT2	interferon induced protein with tetratricopeptide repeats 2 [Source:HGNC Symbol;Acc:HGNC:5409]	6.6	8.5	1.30	0.000241

IRX2	iroquois homeobox 2 [Source:HGNC Symbol;Acc:HGNC:14359]	2.3	3.0	1.30	0.017159
C3orf52	chromosome 3 open reading frame 52 [Source:HGNC Symbol;Acc:HGNC:26255]	2.6	3.3	1.30	0.002237
NOS2	nitric oxide synthase 2 [Source:HGNC Symbol;Acc:HGNC:7873]	1011.3	1324.4	1.30	0
TBC1D4	TBC1 domain family member 4 [Source:HGNC Symbol;Acc:HGNC:19165]	12.2	15.9	1.30	6.60E-05
PLXNB1	plexin B1 [Source:HGNC Symbol;Acc:HGNC:9103]	83.6	106.3	1.29	0
CXCL14	C-X-C motif chemokine ligand 14 [Source:HGNC Symbol;Acc:HGNC:10640]	8.3	10.6	1.29	2.60E-05
ARHGAP22	Rho GTPase activating protein 22 [Source:HGNC Symbol;Acc:HGNC:30320]	25.2	32.8	1.29	0
ABCB1	ATP binding cassette subfamily B member 1 [Source:HGNC Symbol;Acc:HGNC:40]	2.8	3.6	1.29	0.002773
LRRC15	leucine rich repeat containing 15 [Source:HGNC Symbol;Acc:HGNC:20818]	28.9	39.7	1.29	0.000294
COLGALT2	collagen beta(1-O)galactosyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:16790]	178.0	228.6	1.29	0
SAMD4A	sterile alpha motif domain containing 4A [Source:HGNC Symbol;Acc:HGNC:23023]	94.0	120.1	1.29	0
ICAM1	intercellular adhesion molecule 1 [Source:HGNC Symbol;Acc:HGNC:5344]	4741.3	6093.2	1.29	0
KIAA1755	KIAA1755 [Source:HGNC Symbol;Acc:HGNC:29372]	57.0	72.8	1.29	0
DNAH11	dynein axonemal heavy chain 11 [Source:HGNC Symbol;Acc:HGNC:2942]	14.4	17.5	1.29	0.000629
SERTAD2	SERTA domain containing 2 [Source:HGNC Symbol;Acc:HGNC:30784]	317.4	402.9	1.29	0
MYH16	myosin heavy chain 16 pseudogene [Source:HGNC Symbol;Acc:HGNC:31038]	1.9	2.5	1.29	0.013202
FOXL1	forkhead box L1 [Source:HGNC Symbol;Acc:HGNC:3817]	3.6	4.6	1.29	0.004891
TGFB3	transforming growth factor beta receptor 3 [Source:HGNC Symbol;Acc:HGNC:11774]	105.3	135.0	1.28	0
ANKDD1A	ankyrin repeat and death domain containing 1A [Source:HGNC Symbol;Acc:HGNC:28002]	2.9	3.7	1.28	0.026285
CITED4	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-terminal domain 4	52.2	66.9	1.28	0.000165
GIPIR	gastric inhibitory polypeptide receptor [Source:HGNC Symbol;Acc:HGNC:4271]	6.3	8.1	1.28	0.000335
NRP1	neuropilin 1 [Source:HGNC Symbol;Acc:HGNC:8004]	26.3	33.7	1.28	0
ZC2HC1A	zinc finger C2HC-type containing 1A [Source:HGNC Symbol;Acc:HGNC:24277]	4.4	5.7	1.28	0.008375
CDH13	cadherin 13 [Source:HGNC Symbol;Acc:HGNC:1753]	8.7	11.0	1.28	1.30E-05
RFTN1	raftlin, lipid raft linker 1 [Source:HGNC Symbol;Acc:HGNC:30278]	3.2	4.0	1.28	0.002348
SAMHD1	SAM and HD domain containing deoxynucleoside triphosphate triphosphohydrolase 1	2.4	3.1	1.28	0.008034
FOXC2	forkhead box C2 [Source:HGNC Symbol;Acc:HGNC:3801]	56.8	72.1	1.28	0
INPP4B	inositol polyphosphate-4-phosphatase type II B [Source:HGNC Symbol;Acc:HGNC:6075]	8.6	10.9	1.28	0.001448
SLC29A1	solute carrier family 29 member 1 (Augustine blood group) [Source:HGNC Symbol;Acc:HGNC:11003]	79.3	100.2	1.28	0
FAM189A2	family with sequence similarity 189 member A2 [Source:HGNC Symbol;Acc:HGNC:24820]	4.2	5.4	1.28	0.000982
TNS3	tensin 3 [Source:HGNC Symbol;Acc:HGNC:21616]	280.7	354.9	1.28	0
DPP4	dipeptidyl peptidase 4 [Source:HGNC Symbol;Acc:HGNC:3009]	29.5	37.2	1.28	0
EFR3B	EFR3 homolog B [Source:HGNC Symbol;Acc:HGNC:29155]	9.5	12.2	1.28	0.002098
KITLG	KIT ligand [Source:HGNC Symbol;Acc:HGNC:6343]	17.9	22.9	1.28	1.00E-06
ARSB	arylsulfatase B [Source:HGNC Symbol;Acc:HGNC:714]	192.1	248.0	1.28	0
MRAP2	melanocortin 2 receptor accessory protein 2 [Source:HGNC Symbol;Acc:HGNC:21232]	1.7	2.1	1.27	0.045413
FSTL3	folliculin like 3 [Source:HGNC Symbol;Acc:HGNC:3973]	10.5	13.5	1.27	0.003724
RHOC	ras homolog family member C [Source:HGNC Symbol;Acc:HGNC:669]	195.6	248.0	1.27	0
P2RY2	purinergic receptor P2Y2 [Source:HGNC Symbol;Acc:HGNC:8541]	2.7	3.5	1.27	0.004264

PUS10	pseudouridylate synthase 10 [Source:HGNC Symbol;Acc:HGNC:26505]	8.0	10.2	1.27	8.80E-05
DDAH1	dimethylarginine dimethylaminohydrolase 1 [Source:HGNC Symbol;Acc:HGNC:2715]	30.0	37.7	1.27	3.00E-06
PDLIM5	PDZ and LIM domain 5 [Source:HGNC Symbol;Acc:HGNC:17468]	179.0	228.1	1.27	0
ESYT3	extended synaptotagmin 3 [Source:HGNC Symbol;Acc:HGNC:24295]	3.2	4.1	1.27	0.007645
FAM222A	family with sequence similarity 222 member A [Source:HGNC Symbol;Acc:HGNC:25915]	19.2	24.4	1.27	2.80E-05
EXTL1	exostosin like glycosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:3515]	4.5	5.6	1.27	0.001272
KIAA1841	KIAA1841 [Source:HGNC Symbol;Acc:HGNC:29387]	4.2	5.2	1.27	0.002688
ITGB7	integrin subunit beta 7 [Source:HGNC Symbol;Acc:HGNC:6162]	3.9	4.9	1.27	0.042484
WNT9A	Wnt family member 9A [Source:HGNC Symbol;Acc:HGNC:12778]	8.1	10.2	1.27	0.000143
ABCA13	ATP binding cassette subfamily A member 13 [Source:HGNC Symbol;Acc:HGNC:14638]	15.0	19.2	1.26	0.000245
ADAMTS9	ADAM metalloproteinase with thrombospondin type 1 motif 9 [Source:HGNC Symbol;Acc:HGNC:13202]	36.2	46.1	1.26	1.40E-05
LIMS2	LIM zinc finger domain containing 2 [Source:HGNC Symbol;Acc:HGNC:16084]	4.4	5.6	1.26	0.012105
ALS2CL	ALS2 C-terminal like [Source:HGNC Symbol;Acc:HGNC:20605]	22.2	28.0	1.26	1.00E-06
DAPK1	death associated protein kinase 1 [Source:HGNC Symbol;Acc:HGNC:2674]	9.7	12.3	1.26	8.30E-05
MICAL2	microtubule associated monooxygenase, calponin and LIM domain containing 2	24.4	30.1	1.26	0.000907
GEM	GTP binding protein overexpressed in skeletal muscle [Source:HGNC Symbol;Acc:HGNC:4234]	92.8	117.1	1.26	0
ATP13A2	ATPase 13A2 [Source:HGNC Symbol;Acc:HGNC:30213]	43.0	53.7	1.26	0
PRKAR1B	protein kinase cAMP-dependent type I regulatory subunit beta [Source:HGNC Symbol;Acc:HGNC:9390]	3.6	4.5	1.26	0.01009
LIPG	lipase G, endothelial type [Source:HGNC Symbol;Acc:HGNC:6623]	2.7	3.3	1.26	0.019848
P3H2	prolyl 3-hydroxylase 2 [Source:HGNC Symbol;Acc:HGNC:19317]	574.6	718.1	1.26	0
UCP2	uncoupling protein 2 [Source:HGNC Symbol;Acc:HGNC:12518]	7.1	9.0	1.26	0.000139
PLCD1	phospholipase C delta 1 [Source:HGNC Symbol;Acc:HGNC:9060]	49.0	61.0	1.26	0
MSC-AS1	MSC antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:48724]	9.8	12.3	1.26	0
ITGAM	integrin subunit alpha M [Source:HGNC Symbol;Acc:HGNC:6149]	3.5	4.4	1.26	0.016083
ZNF469	zinc finger protein 469 [Source:HGNC Symbol;Acc:HGNC:23216]	19.4	23.6	1.26	0.004277
DHRS2	dehydrogenase/reductase 2 [Source:HGNC Symbol;Acc:HGNC:18349]	27.9	34.2	1.26	1.60E-05
GPD1L	glycerol-3-phosphate dehydrogenase 1-like [Source:HGNC Symbol;Acc:HGNC:28956]	4.4	5.5	1.26	0.012019
PTGIR	prostaglandin I2 (prostacyclin) receptor (IP) [Source:HGNC Symbol;Acc:HGNC:9602]	10.2	12.7	1.26	0.001709
NEFH	neurofilament heavy [Source:HGNC Symbol;Acc:HGNC:7737]	4.2	5.2	1.26	0.013522
SORBS1	sorbin and SH3 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:14565]	14.5	18.1	1.26	0.000369
FZD9	frizzled class receptor 9 [Source:HGNC Symbol;Acc:HGNC:4047]	82.0	102.2	1.26	0
KRT16	keratin 16 [Source:HGNC Symbol;Acc:HGNC:6423]	556.1	683.0	1.25	4.00E-06
RAPGEF5	Rap guanine nucleotide exchange factor 5 [Source:HGNC Symbol;Acc:HGNC:16862]	2.8	3.6	1.25	0.014089
HAS3	hyaluronan synthase 3 [Source:HGNC Symbol;Acc:HGNC:4820]	7.5	9.3	1.25	0.005102
SQLE	squalene epoxidase [Source:HGNC Symbol;Acc:HGNC:11279]	64.7	81.0	1.25	0
RASL11A	RAS like family 11 member A [Source:HGNC Symbol;Acc:HGNC:23802]	4.3	5.3	1.25	0.003928
GCNT4	glucosaminyl (N-acetyl) transferase 4, core 2 [Source:HGNC Symbol;Acc:HGNC:17973]	8.9	11.1	1.25	0.000143
SPP1	secreted phosphoprotein 1 [Source:HGNC Symbol;Acc:HGNC:11255]	1629.7	2024.3	1.25	0
CDH19	cadherin 19 [Source:HGNC Symbol;Acc:HGNC:1758]	14.2	17.7	1.25	3.50E-05

SYNC	syncoilin, intermediate filament protein [Source:HGNC Symbol;Acc:HGNC:28897]	10.0	12.5	1.25	3.40E-05
ADORA2A	adenosine A2a receptor [Source:HGNC Symbol;Acc:HGNC:263]	4.7	5.9	1.25	0.001481
LAMC2	laminin subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:6493]	26.8	33.9	1.25	0.000581
PNMA2	paraneoplastic Ma antigen 2 [Source:HGNC Symbol;Acc:HGNC:9159]	6.1	7.5	1.25	0.004507
ITPR3	inositol 1,4,5-trisphosphate receptor type 3 [Source:HGNC Symbol;Acc:HGNC:6182]	315.8	388.8	1.25	2.90E-05
CHSY3	chondroitin sulfate synthase 3 [Source:HGNC Symbol;Acc:HGNC:24293]	12.6	15.7	1.25	4.10E-05
JPH1	junctophilin 1 [Source:HGNC Symbol;Acc:HGNC:14201]	2.2	2.7	1.25	0.031437
ADAMTS10	ADAM metalloproteinase with thrombospondin type 1 motif 10 [Source:HGNC Symbol;Acc:HGNC:13201]	10.8	13.5	1.25	4.00E-06
PEX13	peroxisomal biogenesis factor 13 [Source:HGNC Symbol;Acc:HGNC:8855]	32.6	41.0	1.25	2.00E-06
MGLL	monoglyceride lipase [Source:HGNC Symbol;Acc:HGNC:17038]	128.0	159.5	1.25	0
HES6	hes family bHLH transcription factor 6 [Source:HGNC Symbol;Acc:HGNC:18254]	16.1	19.9	1.25	0.000723
TINAGL1	tubulointerstitial nephritis antigen like 1 [Source:HGNC Symbol;Acc:HGNC:19168]	14.8	18.2	1.25	5.00E-06
PTPRJ	protein tyrosine phosphatase, receptor type J [Source:HGNC Symbol;Acc:HGNC:9673]	36.5	45.0	1.25	2.50E-05
SLCO4A1	solute carrier organic anion transporter family member 4A1 [Source:HGNC Symbol;Acc:HGNC:10953]	13.2	16.5	1.25	3.00E-06
HAS2	hyaluronan synthase 2 [Source:HGNC Symbol;Acc:HGNC:4819]	28.2	35.0	1.25	0.004083
C4orf32	chromosome 4 open reading frame 32 [Source:HGNC Symbol;Acc:HGNC:26813]	13.2	16.3	1.25	7.00E-06
TRNP1	TMF1-regulated nuclear protein 1 [Source:HGNC Symbol;Acc:HGNC:34348]	10.8	13.1	1.25	0.002471
BMF	Bcl2 modifying factor [Source:HGNC Symbol;Acc:HGNC:24132]	9.4	11.8	1.25	0.000168
NEDD9	neural precursor cell expressed, developmentally down-regulated 9 [Source:HGNC Symbol;Acc:HGNC:7733]	10.0	12.3	1.25	0.000581
PTGIS	prostaglandin I2 synthase [Source:HGNC Symbol;Acc:HGNC:9603]	3.3	4.0	1.25	0.019366
ITGA11	integrin subunit alpha 11 [Source:HGNC Symbol;Acc:HGNC:6136]	47.5	58.9	1.25	2.40E-05
TMPRSS4	transmembrane protease, serine 4 [Source:HGNC Symbol;Acc:HGNC:11878]	2.1	2.6	1.24	0.037211
SH3TC2	SH3 domain and tetratricopeptide repeats 2 [Source:HGNC Symbol;Acc:HGNC:29427]	5.6	6.9	1.24	0.048934
ARHGAP5-AS	ARHGAP5 antisense RNA 1 (head to head) [Source:HGNC Symbol;Acc:HGNC:20279]	3.6	4.4	1.24	0.019524
FZD4	frizzled class receptor 4 [Source:HGNC Symbol;Acc:HGNC:4042]	10.9	13.3	1.24	0.007588
PLAUR	plasminogen activator, urokinase receptor [Source:HGNC Symbol;Acc:HGNC:9053]	225.2	277.6	1.24	0
SHISA2	shisa family member 2 [Source:HGNC Symbol;Acc:HGNC:20366]	6.6	8.2	1.24	0.000595
PDGFA	platelet derived growth factor subunit A [Source:HGNC Symbol;Acc:HGNC:8799]	27.8	34.5	1.24	1.50E-05
CCRL2	C-C motif chemokine receptor like 2 [Source:HGNC Symbol;Acc:HGNC:1612]	19.5	24.1	1.24	1.00E-06
GDF11	growth differentiation factor 11 [Source:HGNC Symbol;Acc:HGNC:4216]	3.1	3.9	1.24	0.018208
RCSD1	RCSD domain containing 1 [Source:HGNC Symbol;Acc:HGNC:28310]	3.8	4.6	1.24	0.005152
DAPK2	death associated protein kinase 2 [Source:HGNC Symbol;Acc:HGNC:2675]	23.5	28.9	1.24	0
GADD45B	growth arrest and DNA damage inducible beta [Source:HGNC Symbol;Acc:HGNC:4096]	91.9	113.2	1.24	2.00E-05
C4orf26	chromosome 4 open reading frame 26 [Source:HGNC Symbol;Acc:HGNC:26300]	5.1	6.2	1.24	0.017781
PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1 [Source:HGNC Symbol;Acc:HGNC:9108]	9.8	12.1	1.24	2.60E-05
NGFR	nerve growth factor receptor [Source:HGNC Symbol;Acc:HGNC:7809]	10.0	12.1	1.24	0.000532
KIAA1522	KIAA1522 [Source:HGNC Symbol;Acc:HGNC:29301]	6.7	8.1	1.23	0.007667
XRCC3	X-ray repair cross complementing 3 [Source:HGNC Symbol;Acc:HGNC:12830]	5.8	7.2	1.23	0.007667
FGF18	fibroblast growth factor 18 [Source:HGNC Symbol;Acc:HGNC:3674]	23.0	28.2	1.23	1.20E-05

PCDH9	protocadherin 9 [Source:HGNC Symbol;Acc:HGNC:8661]	20.7	25.7	1.23	0.014365
CAPN5	calpain 5 [Source:HGNC Symbol;Acc:HGNC:1482]	10.3	12.4	1.23	0.003601
IFIT3	interferon induced protein with tetratricopeptide repeats 3 [Source:HGNC Symbol;Acc:HGNC:5411]	36.8	45.0	1.23	0
ITGB2	integrin subunit beta 2 [Source:HGNC Symbol;Acc:HGNC:6155]	30.8	38.1	1.23	2.00E-06
ADGRE5	adhesion G protein-coupled receptor E5 [Source:HGNC Symbol;Acc:HGNC:1711]	40.5	49.6	1.23	0
SYNM	synemin [Source:HGNC Symbol;Acc:HGNC:24466]	140.9	170.8	1.23	0.003085
SPINT1	serine peptidase inhibitor, Kunitz type 1 [Source:HGNC Symbol;Acc:HGNC:11246]	2.7	3.3	1.23	0.029274
COL6A3	collagen type VI alpha 3 chain [Source:HGNC Symbol;Acc:HGNC:2213]	1183.3	1448.5	1.23	0.001055
DSC3	desmocollin 3 [Source:HGNC Symbol;Acc:HGNC:3037]	10.9	13.3	1.23	5.90E-05
GPSM2	G protein signaling modulator 2 [Source:HGNC Symbol;Acc:HGNC:29501]	14.5	17.7	1.23	3.20E-05
ZNF385C	zinc finger protein 385C [Source:HGNC Symbol;Acc:HGNC:33722]	21.0	25.7	1.23	0
GINS3	GINS complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:25851]	8.7	10.6	1.23	9.50E-05
RSP02	R-spondin 2 [Source:HGNC Symbol;Acc:HGNC:28583]	25.6	31.3	1.23	0
FGF1	fibroblast growth factor 1 [Source:HGNC Symbol;Acc:HGNC:3665]	46.0	56.3	1.23	5.50E-05
BEND6	BEN domain containing 6 [Source:HGNC Symbol;Acc:HGNC:20871]	4.2	5.2	1.23	0.024327
ASNS	asparagine synthetase (glutamine-hydrolyzing) [Source:HGNC Symbol;Acc:HGNC:753]	6.4	7.8	1.23	0.030961
ARID5A	AT-rich interaction domain 5A [Source:HGNC Symbol;Acc:HGNC:17361]	11.6	14.1	1.23	0.000681
ETS1	ETS proto-oncogene 1, transcription factor [Source:HGNC Symbol;Acc:HGNC:3488]	288.0	351.2	1.23	0
ITIH6	inter-alpha-trypsin inhibitor heavy chain family member 6 [Source:HGNC Symbol;Acc:HGNC:28907]	73.8	89.6	1.23	0.002148
DYSF	dysferlin [Source:HGNC Symbol;Acc:HGNC:3097]	13.8	17.0	1.23	0.000242
SOX8	SRY-box 8 [Source:HGNC Symbol;Acc:HGNC:11203]	14.2	17.2	1.23	2.00E-06
SPRR2E	small proline rich protein 2E [Source:HGNC Symbol;Acc:HGNC:11265]	3.2	3.9	1.22	0.03456
KATNBL1	katanin regulatory subunit B1 like 1 [Source:HGNC Symbol;Acc:HGNC:26199]	12.0	14.6	1.22	6.70E-05
NPTX2	neuronal pentraxin 2 [Source:HGNC Symbol;Acc:HGNC:7953]	22.2	25.8	1.22	0.000543
SERINC5	serine incorporator 5 [Source:HGNC Symbol;Acc:HGNC:18825]	24.5	30.0	1.22	0.000893
SOCS1	suppressor of cytokine signaling 1 [Source:HGNC Symbol;Acc:HGNC:19383]	6.4	7.7	1.22	0.040359
ULBP1	UL16 binding protein 1 [Source:HGNC Symbol;Acc:HGNC:14893]	22.1	26.8	1.22	0.000629
PGM2L1	phosphoglucomutase 2 like 1 [Source:HGNC Symbol;Acc:HGNC:20898]	21.3	26.0	1.22	2.40E-05
NFATC2	nuclear factor of activated T-cells 2 [Source:HGNC Symbol;Acc:HGNC:7776]	3.2	3.9	1.22	0.044244
GAS7	growth arrest specific 7 [Source:HGNC Symbol;Acc:HGNC:4169]	114.1	137.7	1.22	1.00E-06
ZXDA	zinc finger, X-linked, duplicated A [Source:HGNC Symbol;Acc:HGNC:13198]	3.6	4.3	1.22	0.033576
NET1	neuroepithelial cell transforming 1 [Source:HGNC Symbol;Acc:HGNC:14592]	16.6	20.2	1.22	2.00E-06
DUSP7	dual specificity phosphatase 7 [Source:HGNC Symbol;Acc:HGNC:3073]	23.5	28.6	1.22	9.00E-06
TRAF1	TNF receptor associated factor 1 [Source:HGNC Symbol;Acc:HGNC:12031]	297.0	360.7	1.22	1.00E-06
FAM46C	family with sequence similarity 46 member C [Source:HGNC Symbol;Acc:HGNC:24712]	13.3	16.0	1.22	0.003178
EMP1	epithelial membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:3333]	540.0	653.5	1.22	0
ENDOD1	endonuclease domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29129]	44.9	54.5	1.22	1.20E-05
FAM180A	family with sequence similarity 180 member A [Source:HGNC Symbol;Acc:HGNC:33773]	53.5	63.5	1.22	0.008419
MSC	musculin [Source:HGNC Symbol;Acc:HGNC:7321]	44.5	54.4	1.22	3.30E-05

MEF2A	myocyte enhancer factor 2A [Source:HGNC Symbol;Acc:HGNC:6993]	72.8	88.5	1.22	0
LRRRC8C	leucine rich repeat containing 8 family member C [Source:HGNC Symbol;Acc:HGNC:25075]	5.6	6.8	1.22	0.023888
TRPV4	transient receptor potential cation channel subfamily V member 4 [Source:HGNC Symbol;Acc:HGNC:18083]	252.6	302.7	1.22	0
SHISA4	shisa family member 4 [Source:HGNC Symbol;Acc:HGNC:27139]	14.6	17.6	1.22	0.00093
SCN4B	sodium voltage-gated channel beta subunit 4 [Source:HGNC Symbol;Acc:HGNC:10592]	2.6	3.1	1.22	0.045173
ELF3	E74 like ETS transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:3318]	109.1	131.8	1.22	0.000143
GPRIN1	G protein regulated inducer of neurite outgrowth 1 [Source:HGNC Symbol;Acc:HGNC:24835]	3.4	4.1	1.22	0.041125
WNT5B	Wnt family member 5B [Source:HGNC Symbol;Acc:HGNC:16265]	11.2	14.2	1.22	0.003791
MEGF9	multiple EGF like domains 9 [Source:HGNC Symbol;Acc:HGNC:3234]	13.2	15.9	1.22	0.00024
TEP1	telomerase associated protein 1 [Source:HGNC Symbol;Acc:HGNC:11726]	38.7	47.0	1.22	9.00E-05
EPHB3	EPH receptor B3 [Source:HGNC Symbol;Acc:HGNC:3394]	19.4	23.6	1.22	0
PTTG1IP	PTTG1 interacting protein [Source:HGNC Symbol;Acc:HGNC:13524]	1128.9	1368.6	1.22	0
LPP	LIM domain containing preferred translocation partner in lipoma [Source:HGNC Symbol;Acc:HGNC:6679]	384.1	460.9	1.22	0.001802
PDP1	pyruvate dehydrogenase phosphatase catalytic subunit 1 [Source:HGNC Symbol;Acc:HGNC:9279]	8.6	10.4	1.22	0.001189
IGFBP3	insulin like growth factor binding protein 3 [Source:HGNC Symbol;Acc:HGNC:5472]	12286.2	14977.7	1.21	0
FASN	fatty acid synthase [Source:HGNC Symbol;Acc:HGNC:3594]	82.3	100.6	1.21	2.20E-05
MYADM	myeloid associated differentiation marker [Source:HGNC Symbol;Acc:HGNC:7544]	115.6	139.0	1.21	1.00E-06
CMAHP	cytidine monophospho-N-acetylneuraminic acid hydroxylase, pseudogene	57.4	68.7	1.21	4.00E-06
ADTRP	androgen dependent TFPI regulating protein [Source:HGNC Symbol;Acc:HGNC:21214]	27.1	32.7	1.21	0
GLUL	glutamate-ammonia ligase [Source:HGNC Symbol;Acc:HGNC:4341]	92.3	112.7	1.21	0
TUBB2A	tubulin beta 2A class IIa [Source:HGNC Symbol;Acc:HGNC:12412]	13.1	15.7	1.21	0.002098
TMEM2	transmembrane protein 2 [Source:HGNC Symbol;Acc:HGNC:11869]	58.7	70.8	1.21	0.001781
MYO6	myosin VI [Source:HGNC Symbol;Acc:HGNC:7605]	32.4	39.0	1.21	6.00E-05
HIC1	HIC ZBTB transcriptional repressor 1 [Source:HGNC Symbol;Acc:HGNC:4909]	7.6	9.2	1.21	0.00106
SLC35E4	solute carrier family 35 member E4 [Source:HGNC Symbol;Acc:HGNC:17058]	13.0	15.7	1.21	4.80E-05
EFHD1	EF-hand domain family member D1 [Source:HGNC Symbol;Acc:HGNC:29556]	12.8	15.5	1.21	3.60E-05
TMCC2	transmembrane and coiled-coil domain family 2 [Source:HGNC Symbol;Acc:HGNC:24239]	3.6	4.3	1.21	0.036049
SMAGP	small cell adhesion glycoprotein [Source:HGNC Symbol;Acc:HGNC:26918]	6.2	7.6	1.21	0.028324
STPG1	sperm tail PG-rich repeat containing 1 [Source:HGNC Symbol;Acc:HGNC:28070]	7.3	8.8	1.21	0.001574
EHD4	EH domain containing 4 [Source:HGNC Symbol;Acc:HGNC:3245]	26.9	32.5	1.21	0
CD9	CD9 molecule [Source:HGNC Symbol;Acc:HGNC:1709]	78.7	95.1	1.21	2.00E-06
ABHD5	abhydrolase domain containing 5 [Source:HGNC Symbol;Acc:HGNC:21396]	11.6	14.0	1.21	0.001055
CHST3	carbohydrate sulfotransferase 3 [Source:HGNC Symbol;Acc:HGNC:1971]	174.8	210.4	1.21	2.90E-05
TNFAIP2	TNF alpha induced protein 2 [Source:HGNC Symbol;Acc:HGNC:11895]	865.5	1046.4	1.21	0
KCNK5	potassium two pore domain channel subfamily K member 5 [Source:HGNC Symbol;Acc:HGNC:6280]	92.5	111.2	1.21	0
TIAM2	T-cell lymphoma invasion and metastasis 2 [Source:HGNC Symbol;Acc:HGNC:11806]	262.1	315.6	1.21	1.50E-05
DAB2	DAB2, clathrin adaptor protein [Source:HGNC Symbol;Acc:HGNC:2662]	117.5	140.6	1.21	3.00E-06
B3GLCT	beta 3-glucosyltransferase [Source:HGNC Symbol;Acc:HGNC:20207]	9.5	11.5	1.21	0.000905
DPYSL3	dihydropyrimidinase like 3 [Source:HGNC Symbol;Acc:HGNC:3015]	32.7	39.5	1.21	2.00E-06

ISLR	immunoglobulin superfamily containing leucine rich repeat [Source:HGNC Symbol;Acc:HGNC:6133]	177.4	207.3	1.21	4.20E-05
B3GNT7	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 7 [Source:HGNC Symbol;Acc:HGNC:18811]	126.5	152.3	1.21	3.00E-06
TBC1D2	TBC1 domain family member 2 [Source:HGNC Symbol;Acc:HGNC:18026]	11.7	14.0	1.21	0.000282
EFNB2	ephrin B2 [Source:HGNC Symbol;Acc:HGNC:3227]	20.8	24.7	1.21	0.007323
PLEC	plectin [Source:HGNC Symbol;Acc:HGNC:9069]	913.4	1088.2	1.21	0.003974
GFOD1	glucose-fructose oxidoreductase domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21096]	15.8	19.0	1.21	0.00485
TMEM171	transmembrane protein 171 [Source:HGNC Symbol;Acc:HGNC:27031]	6.9	8.3	1.21	0.047843
GPR68	G protein-coupled receptor 68 [Source:HGNC Symbol;Acc:HGNC:4519]	39.2	47.3	1.20	1.00E-06
ABTB2	ankyrin repeat and BTB domain containing 2 [Source:HGNC Symbol;Acc:HGNC:23842]	121.9	146.1	1.20	1.00E-05
ST6GAL1	ST6 beta-galactoside alpha-2,6-sialyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:10860]	53.6	63.8	1.20	9.70E-05
MEGF6	multiple EGF like domains 6 [Source:HGNC Symbol;Acc:HGNC:3232]	25.3	30.3	1.20	8.30E-05
IFIH1	interferon induced with helicase C domain 1 [Source:HGNC Symbol;Acc:HGNC:18873]	13.7	16.4	1.20	0.000135
CDKN1A	cyclin dependent kinase inhibitor 1A [Source:HGNC Symbol;Acc:HGNC:1784]	383.8	461.2	1.20	0
PLEKHM1P1	pleckstrin homology and RUN domain containing M1 pseudogene 1	13.2	15.9	1.20	0.013996
COL15A1	collagen type XV alpha 1 chain [Source:HGNC Symbol;Acc:HGNC:2192]	199.3	239.9	1.20	0.000108
DPYSL2	dihydropyrimidinase like 2 [Source:HGNC Symbol;Acc:HGNC:3014]	52.9	62.8	1.20	4.00E-06
TSC22D1	TSC22 domain family member 1 [Source:HGNC Symbol;Acc:HGNC:16826]	203.9	244.6	1.20	2.90E-05
CYTH3	cytohesin 3 [Source:HGNC Symbol;Acc:HGNC:9504]	16.5	19.8	1.20	0.001693
SYN1	synapsin I [Source:HGNC Symbol;Acc:HGNC:11494]	4.4	5.3	1.20	0.022728
PVR	poliovirus receptor [Source:HGNC Symbol;Acc:HGNC:9705]	103.1	122.6	1.20	4.00E-06
PTPRS	protein tyrosine phosphatase, receptor type S [Source:HGNC Symbol;Acc:HGNC:9681]	79.0	95.0	1.20	0.001692
NOV	nephroblastoma overexpressed [Source:HGNC Symbol;Acc:HGNC:7885]	7.8	9.5	1.20	0.014038
KIF1A	kinesin family member 1A [Source:HGNC Symbol;Acc:HGNC:888]	7.4	8.5	1.20	0.041876
LIMA1	LIM domain and actin binding 1 [Source:HGNC Symbol;Acc:HGNC:24636]	57.9	69.6	1.20	3.40E-05
FGFR3	fibroblast growth factor receptor 3 [Source:HGNC Symbol;Acc:HGNC:3690]	33.0	39.1	1.20	8.50E-05
TUBB4B	tubulin beta 4B class IVb [Source:HGNC Symbol;Acc:HGNC:20771]	400.0	475.2	1.20	3.00E-06
BAIAP3	BAI1 associated protein 3 [Source:HGNC Symbol;Acc:HGNC:948]	4.2	5.0	1.20	0.022267
OAS3	2'-5'-oligoadenylate synthetase 3 [Source:HGNC Symbol;Acc:HGNC:8088]	10.2	12.2	1.20	0.003802
CAPN2	calpain 2 [Source:HGNC Symbol;Acc:HGNC:1479]	160.8	192.2	1.20	1.00E-06
OLFM1	olfactomedin 1 [Source:HGNC Symbol;Acc:HGNC:17187]	33.8	40.0	1.20	8.60E-05
FAM117A	family with sequence similarity 117 member A [Source:HGNC Symbol;Acc:HGNC:24179]	9.9	11.9	1.20	0.002376
KIAA1161	KIAA1161 [Source:HGNC Symbol;Acc:HGNC:19918]	7.7	9.3	1.20	0.012149
TNFAIP8	TNF alpha induced protein 8 [Source:HGNC Symbol;Acc:HGNC:17260]	129.3	153.2	1.20	3.00E-06
FRMD8	FERM domain containing 8 [Source:HGNC Symbol;Acc:HGNC:25462]	42.9	51.0	1.20	2.00E-06
IL27RA	interleukin 27 receptor subunit alpha [Source:HGNC Symbol;Acc:HGNC:17290]	4.7	5.6	1.20	0.023026
DACT3	dishevelled binding antagonist of beta catenin 3 [Source:HGNC Symbol;Acc:HGNC:30745]	6.7	7.9	1.20	0.005102
FAM49A	family with sequence similarity 49 member A [Source:HGNC Symbol;Acc:HGNC:25373]	13.2	15.6	1.19	0.000829
SGCE	sarcoglycan epsilon [Source:HGNC Symbol;Acc:HGNC:10808]	7.0	8.4	1.19	0.015843
AXIN2	axin 2 [Source:HGNC Symbol;Acc:HGNC:904]	91.7	108.5	1.19	1.00E-06

LYN	LYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:6735]	51.7	61.2	1.19	8.00E-06
PELI1	pellino E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:8827]	61.4	72.9	1.19	4.00E-06
HSPA12A	heat shock protein family A (Hsp70) member 12A [Source:HGNC Symbol;Acc:HGNC:19022]	9.2	10.8	1.19	0.042528
NPTXR	neuronal pentraxin receptor [Source:HGNC Symbol;Acc:HGNC:7954]	17.7	20.8	1.19	0.005369
SMG9	SMG9, nonsense mediated mRNA decay factor [Source:HGNC Symbol;Acc:HGNC:25763]	47.8	56.8	1.19	2.00E-06
CRISPLD2	cysteine rich secretory protein LCCL domain containing 2 [Source:HGNC Symbol;Acc:HGNC:25248]	20.0	23.9	1.19	0.00147
GPR37L1	G protein-coupled receptor 37 like 1 [Source:HGNC Symbol;Acc:HGNC:14923]	23.4	27.9	1.19	0.000412
ATP10A	ATPase phospholipid transporting 10A (putative) [Source:HGNC Symbol;Acc:HGNC:13542]	11.7	13.9	1.19	0.001098
PAQR4	progesterone and adipoQ receptor family member 4 [Source:HGNC Symbol;Acc:HGNC:26386]	4.8	5.6	1.19	0.029288
PIK3P1	phosphoinositide-3-kinase interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:24942]	50.5	59.2	1.19	0.000703
FLT1	fms related tyrosine kinase 1 [Source:HGNC Symbol;Acc:HGNC:3763]	24.3	29.0	1.19	0.010943
S100A16	S100 calcium binding protein A16 [Source:HGNC Symbol;Acc:HGNC:20441]	79.5	91.8	1.19	0.000701
FZD7	frizzled class receptor 7 [Source:HGNC Symbol;Acc:HGNC:4045]	44.4	52.2	1.19	0.000226
BCOR	BCL6 corepressor [Source:HGNC Symbol;Acc:HGNC:20893]	31.4	36.9	1.19	0.001357
CX3CL1	C-X3-C motif chemokine ligand 1 [Source:HGNC Symbol;Acc:HGNC:10647]	99.6	117.5	1.19	6.40E-05
TMSB4X	thymosin beta 4, X-linked [Source:HGNC Symbol;Acc:HGNC:11881]	56.8	66.4	1.19	0.000829
MTUS1	microtubule associated scaffold protein 1 [Source:HGNC Symbol;Acc:HGNC:29789]	30.2	35.5	1.19	0.00078
MYO1E	myosin IE [Source:HGNC Symbol;Acc:HGNC:7599]	67.5	79.9	1.19	0.000155
TMEM64	transmembrane protein 64 [Source:HGNC Symbol;Acc:HGNC:25441]	8.7	10.2	1.19	0.011284
RCAN3	RCAN family member 3 [Source:HGNC Symbol;Acc:HGNC:3042]	11.0	12.9	1.19	0.002992
ACAN	aggrecan [Source:HGNC Symbol;Acc:HGNC:319]	3871.6	4583.6	1.19	8.00E-06
BBC3	BCL2 binding component 3 [Source:HGNC Symbol;Acc:HGNC:17868]	10.3	12.2	1.19	0.004295
RAPH1	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	133.3	155.4	1.18	0.036304
KIF3C	kinesin family member 3C [Source:HGNC Symbol;Acc:HGNC:6321]	4.1	4.9	1.18	0.045621
DUSP18	dual specificity phosphatase 18 [Source:HGNC Symbol;Acc:HGNC:18484]	7.5	8.8	1.18	0.015233
LOXL1	lysyl oxidase like 1 [Source:HGNC Symbol;Acc:HGNC:6665]	15.5	18.1	1.18	0.033576
STOML1	stomatol like 1 [Source:HGNC Symbol;Acc:HGNC:14560]	22.3	26.4	1.18	0.001145
RDH10	retinol dehydrogenase 10 [Source:HGNC Symbol;Acc:HGNC:19975]	20.6	24.4	1.18	2.70E-05
SH3BP2	SH3 domain binding protein 2 [Source:HGNC Symbol;Acc:HGNC:10825]	49.6	58.5	1.18	3.00E-06
KLHL21	kelch like family member 21 [Source:HGNC Symbol;Acc:HGNC:29041]	502.2	589.5	1.18	3.00E-06
GPR153	G protein-coupled receptor 153 [Source:HGNC Symbol;Acc:HGNC:23618]	6.6	7.8	1.18	0.022971
DGKD	diacylglycerol kinase delta [Source:HGNC Symbol;Acc:HGNC:2851]	11.4	13.4	1.18	0.011577
CDC42EP2	CDC42 effector protein 2 [Source:HGNC Symbol;Acc:HGNC:16263]	8.4	9.9	1.18	0.00721
OSBPL3	oxysterol binding protein like 3 [Source:HGNC Symbol;Acc:HGNC:16370]	6.3	7.5	1.18	0.015429
S100A4	S100 calcium binding protein A4 [Source:HGNC Symbol;Acc:HGNC:10494]	10.2	12.0	1.18	0.03032
KLF3	Kruppel like factor 3 [Source:HGNC Symbol;Acc:HGNC:16516]	115.0	135.4	1.18	0.001018
GDPD5	glycerophosphodiester phosphodiesterase domain containing 5 [Source:HGNC Symbol;Acc:HGNC:28804]	25.9	30.1	1.18	0.000736
SDC4	syndecan 4 [Source:HGNC Symbol;Acc:HGNC:10661]	1318.5	1536.6	1.18	0.000238
PLXNA2	plexin A2 [Source:HGNC Symbol;Acc:HGNC:9100]	29.7	34.6	1.18	0.008253

BCL2	BCL2, apoptosis regulator [Source:HGNC Symbol;Acc:HGNC:990]	71.1	82.5	1.18	0.00095
ARNTL2	aryl hydrocarbon receptor nuclear translocator like 2 [Source:HGNC Symbol;Acc:HGNC:18984]	12.4	14.6	1.18	0.007195
SLCO3A1	solute carrier organic anion transporter family member 3A1 [Source:HGNC Symbol;Acc:HGNC:10952]	64.3	75.6	1.18	6.00E-06
SLC39A10	solute carrier family 39 member 10 [Source:HGNC Symbol;Acc:HGNC:20861]	9.8	11.5	1.18	0.031936
TGFB1	transforming growth factor beta 1 [Source:HGNC Symbol;Acc:HGNC:11766]	2182.0	2572.2	1.18	3.00E-06
TMEM204	transmembrane protein 204 [Source:HGNC Symbol;Acc:HGNC:14158]	34.1	39.7	1.18	0.000143
GRAMD3	GRAM domain containing 3 [Source:HGNC Symbol;Acc:HGNC:24911]	24.3	28.6	1.18	5.10E-05
SH2B3	SH2B adaptor protein 3 [Source:HGNC Symbol;Acc:HGNC:29605]	18.5	21.7	1.18	0.021229
CXCL10	C-X-C motif chemokine ligand 10 [Source:HGNC Symbol;Acc:HGNC:10637]	9.6	10.9	1.18	0.026385
LHFPL2	lipoma HMGIC fusion partner-like 2 [Source:HGNC Symbol;Acc:HGNC:6588]	136.1	158.3	1.18	0.000124
TENM3	teneurin transmembrane protein 3 [Source:HGNC Symbol;Acc:HGNC:29944]	11.4	13.2	1.18	0.045405
AIDA	axin interactor, dorsalization associated [Source:HGNC Symbol;Acc:HGNC:25761]	11.6	13.6	1.18	0.001221
BAG3	BCL2 associated athanogene 3 [Source:HGNC Symbol;Acc:HGNC:939]	94.7	110.8	1.18	1.20E-05
RNF19A	ring finger protein 19A, RBR E3 ubiquitin protein ligase [Source:HGNC Symbol;Acc:HGNC:13432]	30.7	35.8	1.18	9.40E-05
GNG2	G protein subunit gamma 2 [Source:HGNC Symbol;Acc:HGNC:4404]	8.7	10.2	1.17	0.031437
LINC00511	long intergenic non-protein coding RNA 511 [Source:HGNC Symbol;Acc:HGNC:43564]	41.0	47.2	1.17	0.000993
FKBP5	FK506 binding protein 5 [Source:HGNC Symbol;Acc:HGNC:3721]	12.7	14.8	1.17	0.017059
RAET1L	retinoic acid early transcript 1L [Source:HGNC Symbol;Acc:HGNC:16798]	4.9	5.8	1.17	0.036966
PML	promyelocytic leukemia [Source:HGNC Symbol;Acc:HGNC:9113]	54.3	63.7	1.17	4.70E-05
ITGA3	integrin subunit alpha 3 [Source:HGNC Symbol;Acc:HGNC:6139]	172.5	201.6	1.17	1.50E-05
TYRO3	TYRO3 protein tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:12446]	8.6	10.0	1.17	0.017937
IGF2BP2	insulin like growth factor 2 mRNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:28867]	8.9	10.4	1.17	0.013466
HMOX1	heme oxygenase 1 [Source:HGNC Symbol;Acc:HGNC:5013]	943.8	1102.9	1.17	0.001138
ANXA5	annexin A5 [Source:HGNC Symbol;Acc:HGNC:543]	907.5	1065.1	1.17	4.00E-06
DOPEY2	dopey family member 2 [Source:HGNC Symbol;Acc:HGNC:1291]	12.3	14.3	1.17	0.039812
NCS1	neuronal calcium sensor 1 [Source:HGNC Symbol;Acc:HGNC:3953]	9.8	11.4	1.17	0.015391
AVIL	advillin [Source:HGNC Symbol;Acc:HGNC:14188]	10.1	11.8	1.17	0.036926
AKAP12	A-kinase anchoring protein 12 [Source:HGNC Symbol;Acc:HGNC:370]	77.8	92.8	1.17	0.046392
SORT1	sortilin 1 [Source:HGNC Symbol;Acc:HGNC:11186]	50.9	57.7	1.17	0.002452
AGT	angiotensinogen [Source:HGNC Symbol;Acc:HGNC:333]	11.8	13.7	1.17	0.013938
SRD5A1	steroid 5 alpha-reductase 1 [Source:HGNC Symbol;Acc:HGNC:11284]	11.6	13.5	1.17	0.005071
VAT1	vesicle amine transport 1 [Source:HGNC Symbol;Acc:HGNC:16919]	94.7	110.4	1.17	3.40E-05
CD109	CD109 molecule [Source:HGNC Symbol;Acc:HGNC:21685]	159.1	184.9	1.17	0.00565
KLF9	Kruppel like factor 9 [Source:HGNC Symbol;Acc:HGNC:1123]	24.0	28.0	1.17	7.40E-05
MGAT4A	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	11.8	13.8	1.17	0.00106
DIXDC1	DIX domain containing 1 [Source:HGNC Symbol;Acc:HGNC:23695]	15.3	17.7	1.17	0.007016
PAK1	p21 (RAC1) activated kinase 1 [Source:HGNC Symbol;Acc:HGNC:8590]	4.8	5.6	1.17	0.049249
ZNF468	zinc finger protein 468 [Source:HGNC Symbol;Acc:HGNC:33105]	9.3	10.7	1.17	0.037575
FLI1	Fli-1 proto-oncogene, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3749]	11.7	13.7	1.17	0.001943

SLC39A11	solute carrier family 39 member 11 [Source:HGNC Symbol;Acc:HGNC:14463]	10.7	12.4	1.17	0.011709
RAB11FIP4	RAB11 family interacting protein 4 [Source:HGNC Symbol;Acc:HGNC:30267]	37.7	43.5	1.17	0.002452
GBP4	guanylate binding protein 4 [Source:HGNC Symbol;Acc:HGNC:20480]	6.0	7.0	1.17	0.048084
KCTD12	potassium channel tetramerization domain containing 12 [Source:HGNC Symbol;Acc:HGNC:14678]	43.0	50.0	1.17	0.012466
TRIM3	tripartite motif containing 3 [Source:HGNC Symbol;Acc:HGNC:10064]	6.6	7.6	1.17	0.020821
ABCC5	ATP binding cassette subfamily C member 5 [Source:HGNC Symbol;Acc:HGNC:56]	12.5	14.6	1.17	0.012523
ZCCHC14	zinc finger CCHC-type containing 14 [Source:HGNC Symbol;Acc:HGNC:24134]	60.9	70.7	1.17	0.002623
TUBA1A	tubulin alpha 1a [Source:HGNC Symbol;Acc:HGNC:20766]	21.8	25.2	1.17	0.027339
PIM1	Pim-1 proto-oncogene, serine/threonine kinase [Source:HGNC Symbol;Acc:HGNC:8986]	59.5	68.9	1.17	0.000256
CELSR1	cadherin EGF LAG seven-pass G-type receptor 1 [Source:HGNC Symbol;Acc:HGNC:1850]	52.1	60.6	1.17	0.00435
MSI2	musashi RNA binding protein 2 [Source:HGNC Symbol;Acc:HGNC:18585]	79.5	92.0	1.17	0.000449
KCNQ1	potassium voltage-gated channel modifier subfamily G member 1 [Source:HGNC Symbol;Acc:HGNC:6248]	9.2	10.6	1.17	0.017175
PKD2	polycystin 2, transient receptor potential cation channel [Source:HGNC Symbol;Acc:HGNC:9009]	106.6	124.1	1.17	0.003631
HIP1	huntingtin interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:4913]	17.1	19.9	1.16	0.002106
FNIP2	folliculin interacting protein 2 [Source:HGNC Symbol;Acc:HGNC:29280]	38.0	43.7	1.16	0.001774
HAUS3	HAUS augmin like complex subunit 3 [Source:HGNC Symbol;Acc:HGNC:28719]	12.1	14.1	1.16	0.004115
HIST2H2BE	histone cluster 2 H2B family member e [Source:HGNC Symbol;Acc:HGNC:4760]	57.4	65.9	1.16	0.002773
SVIL	supervillin [Source:HGNC Symbol;Acc:HGNC:11480]	90.2	104.3	1.16	0.003928
CHST1	carbohydrate sulfotransferase 1 [Source:HGNC Symbol;Acc:HGNC:1969]	10.6	12.3	1.16	0.006247
RAD51D	RAD51 paralog D [Source:HGNC Symbol;Acc:HGNC:9823]	6.5	7.5	1.16	0.029053
LBH	limb bud and heart development [Source:HGNC Symbol;Acc:HGNC:29532]	37.1	43.0	1.16	0.000427
PLCB3	phospholipase C beta 3 [Source:HGNC Symbol;Acc:HGNC:9056]	10.2	11.8	1.16	0.007725
CCSER2	coiled-coil serine rich protein 2 [Source:HGNC Symbol;Acc:HGNC:29197]	50.7	58.3	1.16	0.001326
ELF4	E74 like ETS transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:3319]	17.8	20.7	1.16	0.007305
FZD1	frizzled class receptor 1 [Source:HGNC Symbol;Acc:HGNC:4038]	59.0	68.5	1.16	0.000101
TGM2	transglutaminase 2 [Source:HGNC Symbol;Acc:HGNC:11778]	698.3	804.5	1.16	3.00E-06
ATF3	activating transcription factor 3 [Source:HGNC Symbol;Acc:HGNC:785]	29.8	34.6	1.16	0.000732
CYR61	cysteine rich angiogenic inducer 61 [Source:HGNC Symbol;Acc:HGNC:2654]	397.8	464.2	1.16	0.000168
TRIM47	tripartite motif containing 47 [Source:HGNC Symbol;Acc:HGNC:19020]	31.6	36.5	1.16	0.000263
KLF4	Kruppel like factor 4 [Source:HGNC Symbol;Acc:HGNC:6348]	141.1	163.4	1.16	1.50E-05
DYRK2	dual specificity tyrosine phosphorylation regulated kinase 2 [Source:HGNC Symbol;Acc:HGNC:3093]	17.1	19.8	1.16	0.000821
MICAL2	MICAL like 2 [Source:HGNC Symbol;Acc:HGNC:29672]	21.2	24.8	1.16	0.022483
RARB	retinoic acid receptor beta [Source:HGNC Symbol;Acc:HGNC:9865]	19.9	23.0	1.16	0.001157
HAPLN3	hyaluronan and proteoglycan link protein 3 [Source:HGNC Symbol;Acc:HGNC:21446]	24.5	28.3	1.16	0.008289
AMPD3	adenosine monophosphate deaminase 3 [Source:HGNC Symbol;Acc:HGNC:470]	120.8	139.9	1.16	0.000351
ITGA5	integrin subunit alpha 5 [Source:HGNC Symbol;Acc:HGNC:6141]	796.5	919.3	1.16	9.30E-05
PKN3	protein kinase N3 [Source:HGNC Symbol;Acc:HGNC:17999]	41.4	47.8	1.16	0.000692
CNKSR3	CNKSR family member 3 [Source:HGNC Symbol;Acc:HGNC:23034]	13.8	16.1	1.16	0.004589
CHST2	carbohydrate sulfotransferase 2 [Source:HGNC Symbol;Acc:HGNC:1970]	87.2	101.8	1.16	0.000177

THRA	thyroid hormone receptor, alpha [Source:HGNC Symbol;Acc:HGNC:11796]	29.6	34.3	1.16	8.90E-05
NECTIN3	nectin cell adhesion molecule 3 [Source:HGNC Symbol;Acc:HGNC:17664]	25.1	29.0	1.16	0.000703
TPST2	tyrosylprotein sulfotransferase 2 [Source:HGNC Symbol;Acc:HGNC:12021]	15.9	18.2	1.16	0.013091
MAP3K8	mitogen-activated protein kinase kinase kinase 8 [Source:HGNC Symbol;Acc:HGNC:6860]	76.4	88.6	1.16	0.000126
RBM47	RNA binding motif protein 47 [Source:HGNC Symbol;Acc:HGNC:30358]	7.0	8.1	1.16	0.031474
SDHA	succinate dehydrogenase complex flavoprotein subunit A [Source:HGNC Symbol;Acc:HGNC:10680]	83.6	98.0	1.16	0.000302
STX2	syntaxin 2 [Source:HGNC Symbol;Acc:HGNC:3403]	13.2	15.2	1.16	0.001189
STEAP4	STEAP4 metalloredutase [Source:HGNC Symbol;Acc:HGNC:21923]	24.7	28.4	1.16	0.008763
SOCS2	suppressor of cytokine signaling 2 [Source:HGNC Symbol;Acc:HGNC:19382]	20.9	24.3	1.16	0.005459
ARHGAP10	Rho GTPase activating protein 10 [Source:HGNC Symbol;Acc:HGNC:26099]	16.2	18.8	1.16	0.012149
JUP	junction plakoglobin [Source:HGNC Symbol;Acc:HGNC:6207]	16.8	19.6	1.16	0.034295
KATNAL1	katanin catalytic subunit A1 like 1 [Source:HGNC Symbol;Acc:HGNC:28361]	17.2	19.7	1.16	0.006471
ACTN1	actinin alpha 1 [Source:HGNC Symbol;Acc:HGNC:163]	137.9	159.0	1.16	0.00157
EPHA2	EPH receptor A2 [Source:HGNC Symbol;Acc:HGNC:3386]	74.9	85.7	1.16	0.000242
SNN	stannin [Source:HGNC Symbol;Acc:HGNC:11149]	21.5	24.8	1.16	0.003974
CPEB2	cytoplasmic polyadenylation element binding protein 2 [Source:HGNC Symbol;Acc:HGNC:21745]	48.9	56.4	1.16	0.003531
FLNA	filamin A [Source:HGNC Symbol;Acc:HGNC:3754]	1264.7	1454.6	1.16	0.011284
RBM38	RNA binding motif protein 38 [Source:HGNC Symbol;Acc:HGNC:15818]	7.1	8.1	1.16	0.047239
ISM1	isthmin 1 [Source:HGNC Symbol;Acc:HGNC:16213]	68.0	78.2	1.16	9.80E-05
SEPT11	septin 11 [Source:HGNC Symbol;Acc:HGNC:25589]	44.8	51.6	1.16	0.002429
EPS8	epidermal growth factor receptor pathway substrate 8 [Source:HGNC Symbol;Acc:HGNC:3420]	460.5	529.6	1.16	0.000103
PHTF2	putative homeodomain transcription factor 2 [Source:HGNC Symbol;Acc:HGNC:13411]	31.4	36.0	1.16	0.001383
RAPGEF1	Rap guanine nucleotide exchange factor 1 [Source:HGNC Symbol;Acc:HGNC:4568]	52.3	60.2	1.15	0.001904
TSPAN14	tetraspanin 14 [Source:HGNC Symbol;Acc:HGNC:23303]	11.3	12.9	1.15	0.027364
DMPK	dystrophia myotonica protein kinase [Source:HGNC Symbol;Acc:HGNC:2933]	16.1	18.6	1.15	0.009818
RAB11FIP5	RAB11 family interacting protein 5 [Source:HGNC Symbol;Acc:HGNC:24845]	162.1	186.4	1.15	4.30E-05
JPT1	Jupiter microtubule associated homolog 1 [Source:HGNC Symbol;Acc:HGNC:14569]	11.6	13.1	1.15	0.031833
PTPRG	protein tyrosine phosphatase, receptor type G [Source:HGNC Symbol;Acc:HGNC:9671]	38.4	43.5	1.15	0.040105
JDP2	Jun dimerization protein 2 [Source:HGNC Symbol;Acc:HGNC:17546]	19.4	22.3	1.15	0.002213
CMTM7	CKLF like MARVEL transmembrane domain containing 7 [Source:HGNC Symbol;Acc:HGNC:19178]	25.4	29.0	1.15	0.015016
LRRC8A	leucine rich repeat containing 8 family member A [Source:HGNC Symbol;Acc:HGNC:19027]	76.1	87.4	1.15	0.000856
FRMD4B	FERM domain containing 4B [Source:HGNC Symbol;Acc:HGNC:24886]	13.7	15.6	1.15	0.029453
WDR47	WD repeat domain 47 [Source:HGNC Symbol;Acc:HGNC:29141]	25.9	29.6	1.15	0.008
VPS37B	VPS37B, ESCRT-I subunit [Source:HGNC Symbol;Acc:HGNC:25754]	78.0	89.0	1.15	0.002002
ACKR3	atypical chemokine receptor 3 [Source:HGNC Symbol;Acc:HGNC:23692]	136.9	155.7	1.15	0.000829
NOP56	NOP56 ribonucleoprotein [Source:HGNC Symbol;Acc:HGNC:15911]	103.8	118.8	1.15	0.000139
GNA13	G protein subunit alpha 13 [Source:HGNC Symbol;Acc:HGNC:4381]	53.0	60.3	1.15	0.002425
MAP7D3	MAP7 domain containing 3 [Source:HGNC Symbol;Acc:HGNC:25742]	24.6	28.2	1.15	0.003701
SLC31A2	solute carrier family 31 member 2 [Source:HGNC Symbol;Acc:HGNC:11017]	67.2	76.8	1.15	0.006992

NR1D1	nuclear receptor subfamily 1 group D member 1 [Source:HGNC Symbol;Acc:HGNC:7962]	198.7	226.5	1.15	7.90E-05
HAPLN1	hyaluronan and proteoglycan link protein 1 [Source:HGNC Symbol;Acc:HGNC:2380]	631.4	731.7	1.15	0.000241
KALRN	kalirin, RhoGEF kinase [Source:HGNC Symbol;Acc:HGNC:4814]	24.5	28.2	1.15	0.033764
SAMD9L	sterile alpha motif domain containing 9 like [Source:HGNC Symbol;Acc:HGNC:1349]	27.1	30.3	1.15	0.043662
ACVR2A	activin A receptor type 2A [Source:HGNC Symbol;Acc:HGNC:173]	13.6	15.6	1.15	0.017611
AGAP3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3 [Source:HGNC Symbol;Acc:HGNC:16923]	27.8	31.7	1.15	0.001897
PLEKHO2	pleckstrin homology domain containing O2 [Source:HGNC Symbol;Acc:HGNC:30026]	62.3	71.0	1.15	0.001051
C2CD2	C2 calcium dependent domain containing 2 [Source:HGNC Symbol;Acc:HGNC:1266]	20.1	22.9	1.15	0.005696
KLF11	Kruppel like factor 11 [Source:HGNC Symbol;Acc:HGNC:11811]	11.6	13.2	1.15	0.014086
CEP112	centrosomal protein 112 [Source:HGNC Symbol;Acc:HGNC:28514]	19.4	22.1	1.15	0.012019
N4BP3	NEDD4 binding protein 3 [Source:HGNC Symbol;Acc:HGNC:29852]	6.8	7.8	1.15	0.036032
PICALM	phosphatidylinositol binding clathrin assembly protein [Source:HGNC Symbol;Acc:HGNC:15514]	198.3	225.6	1.15	0.003373
PRELP	proline and arginine rich end leucine rich repeat protein [Source:HGNC Symbol;Acc:HGNC:9357]	909.7	1044.4	1.15	0.000165
RASSF3	Ras association domain family member 3 [Source:HGNC Symbol;Acc:HGNC:14271]	8.0	9.2	1.15	0.021696
CRYAB	crystallin alpha B [Source:HGNC Symbol;Acc:HGNC:2389]	23.9	27.2	1.15	0.017746
ELOVL1	ELOVL fatty acid elongase 1 [Source:HGNC Symbol;Acc:HGNC:14418]	46.3	52.9	1.15	0.003855
SWAP70	SWAP switching B-cell complex subunit 70 [Source:HGNC Symbol;Acc:HGNC:17070]	100.7	114.6	1.15	0.000184
ACLY	ATP citrate lyase [Source:HGNC Symbol;Acc:HGNC:115]	132.7	152.9	1.15	0.013717
SPATA13	spermatogenesis associated 13 [Source:HGNC Symbol;Acc:HGNC:23222]	28.4	32.8	1.14	0.012793
CLIC2	chloride intracellular channel 2 [Source:HGNC Symbol;Acc:HGNC:2063]	10.4	12.0	1.14	0.027519
TIMP4	TIMP metalloproteinase inhibitor 4 [Source:HGNC Symbol;Acc:HGNC:11823]	24.0	27.2	1.14	0.020417
CHML	CHM like, Rab escort protein 2 [Source:HGNC Symbol;Acc:HGNC:1941]	9.0	10.3	1.14	0.049128
HDAC5	histone deacetylase 5 [Source:HGNC Symbol;Acc:HGNC:14068]	49.6	56.5	1.14	0.000701
PGM2	phosphoglucomutase 2 [Source:HGNC Symbol;Acc:HGNC:8906]	30.7	34.8	1.14	0.004057
EHD1	EH domain containing 1 [Source:HGNC Symbol;Acc:HGNC:3242]	131.8	150.1	1.14	0.001132
ADGRG1	adhesion G protein-coupled receptor G1 [Source:HGNC Symbol;Acc:HGNC:4512]	22.7	25.7	1.14	0.002706
PPP1R13B	protein phosphatase 1 regulatory subunit 13B [Source:HGNC Symbol;Acc:HGNC:14950]	21.8	24.8	1.14	0.022662
ITPRIPL2	inositol 1,4,5-trisphosphate receptor interacting protein like 2 [Source:HGNC Symbol;Acc:HGNC:27257]	193.5	220.0	1.14	0.005055
PLXNA1	plexin A1 [Source:HGNC Symbol;Acc:HGNC:9099]	89.9	102.3	1.14	0.003798
FOSL1	FOS like 1, AP-1 transcription factor subunit [Source:HGNC Symbol;Acc:HGNC:13718]	343.0	390.4	1.14	0.001055
HMGA2	high mobility group AT-hook 2 [Source:HGNC Symbol;Acc:HGNC:5009]	21.0	24.4	1.14	0.026029
JAK1	Janus kinase 1 [Source:HGNC Symbol;Acc:HGNC:6190]	189.4	215.4	1.14	0.001998
ENG	endoglin [Source:HGNC Symbol;Acc:HGNC:3349]	119.6	136.2	1.14	0.000595
FAM43A	family with sequence similarity 43 member A [Source:HGNC Symbol;Acc:HGNC:26888]	40.0	45.2	1.14	0.003974
ABCB9	ATP binding cassette subfamily B member 9 [Source:HGNC Symbol;Acc:HGNC:50]	75.8	85.5	1.14	0.007511
ARRDC4	arrestin domain containing 4 [Source:HGNC Symbol;Acc:HGNC:28087]	44.2	50.5	1.14	0.001241
GULP1	GULP, engulfment adaptor PTB domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18649]	44.7	51.8	1.14	0.018221
NEMP1	nuclear envelope integral membrane protein 1 [Source:HGNC Symbol;Acc:HGNC:29001]	23.0	26.1	1.14	0.015545
STK10	serine/threonine kinase 10 [Source:HGNC Symbol;Acc:HGNC:11388]	50.3	57.1	1.14	0.000848

PLA2G15	phospholipase A2 group XV [Source:HGNC Symbol;Acc:HGNC:17163]	18.3	20.8	1.14	0.005527
ERG	ERG, ETS transcription factor [Source:HGNC Symbol;Acc:HGNC:3446]	12.6	14.4	1.14	0.012531
TCF4	transcription factor 4 [Source:HGNC Symbol;Acc:HGNC:11634]	42.9	48.6	1.14	0.002945
C15orf39	chromosome 15 open reading frame 39 [Source:HGNC Symbol;Acc:HGNC:24497]	27.9	31.8	1.14	0.003486
TAF9B	TATA-box binding protein associated factor 9b [Source:HGNC Symbol;Acc:HGNC:17306]	8.4	9.6	1.14	0.049128
MMP10	matrix metalloproteinase 10 [Source:HGNC Symbol;Acc:HGNC:7156]	24.8	28.6	1.14	0.007024
SLC41A2	solute carrier family 41 member 2 [Source:HGNC Symbol;Acc:HGNC:31045]	42.0	47.6	1.14	0.003864
STK26	serine/threonine kinase 26 [Source:HGNC Symbol;Acc:HGNC:18174]	40.7	46.1	1.14	0.025769
VCL	vinculin [Source:HGNC Symbol;Acc:HGNC:12665]	81.2	91.7	1.14	0.022188
WLS	wntless Wnt ligand secretion mediator [Source:HGNC Symbol;Acc:HGNC:30238]	26.0	29.6	1.14	0.001333
SLC9A3R2	SLC9A3 regulator 2 [Source:HGNC Symbol;Acc:HGNC:11076]	65.4	75.8	1.14	0.027996
RAP2A	RAP2A, member of RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9861]	23.2	26.3	1.14	0.006554
HEXIM1	hexamethylene bisacetamide inducible 1 [Source:HGNC Symbol;Acc:HGNC:24953]	92.5	104.8	1.14	0.001079
GPRC5B	G protein-coupled receptor class C group 5 member B [Source:HGNC Symbol;Acc:HGNC:13308]	12.2	13.7	1.14	0.033576
DNAJB1	DnaJ heat shock protein family (Hsp40) member B1 [Source:HGNC Symbol;Acc:HGNC:5270]	88.0	100.0	1.14	0.002238
PRKCD	protein kinase C delta [Source:HGNC Symbol;Acc:HGNC:9399]	20.0	22.5	1.14	0.01009
HSPB8	heat shock protein family B (small) member 8 [Source:HGNC Symbol;Acc:HGNC:30171]	40.0	45.3	1.14	0.005094
SUN1	Sad1 and UNC84 domain containing 1 [Source:HGNC Symbol;Acc:HGNC:18587]	132.4	150.2	1.14	0.008242
AUTS2	AUTS2, activator of transcription and developmental regulator [Source:HGNC Symbol;Acc:HGNC:14262]	94.2	106.5	1.14	0.013094
PITPNB	phosphatidylinositol transfer protein beta [Source:HGNC Symbol;Acc:HGNC:9002]	55.0	62.3	1.14	0.000949
RAP2B	RAP2B, member of RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9862]	15.0	17.0	1.14	0.022753
GLS	glutaminase [Source:HGNC Symbol;Acc:HGNC:4331]	85.9	96.7	1.14	0.003974
HSPA2	heat shock protein family A (Hsp70) member 2 [Source:HGNC Symbol;Acc:HGNC:5235]	44.3	50.2	1.14	0.002252
ANKRD10	ankyrin repeat domain 10 [Source:HGNC Symbol;Acc:HGNC:20265]	60.1	68.7	1.14	0.016699
ASAP2	ArfGAP with SH3 domain, ankyrin repeat and PH domain 2 [Source:HGNC Symbol;Acc:HGNC:2721]	75.7	85.3	1.14	0.041791
INPP5A	inositol polyphosphate-5-phosphatase A [Source:HGNC Symbol;Acc:HGNC:6076]	12.7	14.3	1.13	0.014373
FADS3	fatty acid desaturase 3 [Source:HGNC Symbol;Acc:HGNC:3576]	58.9	66.5	1.13	0.011842
B3GNT2	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2 [Source:HGNC Symbol;Acc:HGNC:15629]	21.5	24.2	1.13	0.00452
CPA4	carboxypeptidase A4 [Source:HGNC Symbol;Acc:HGNC:15740]	96.1	106.4	1.13	0.009313
CUL4A	cullin 4A [Source:HGNC Symbol;Acc:HGNC:2554]	55.7	62.9	1.13	0.001412
STK39	serine/threonine kinase 39 [Source:HGNC Symbol;Acc:HGNC:17717]	18.6	21.0	1.13	0.004057
FAM102A	family with sequence similarity 102 member A [Source:HGNC Symbol;Acc:HGNC:31419]	23.9	27.0	1.13	0.005596
ZCCHC24	zinc finger CCHC-type containing 24 [Source:HGNC Symbol;Acc:HGNC:26911]	30.9	35.0	1.13	0.002134
CTBP2	C-terminal binding protein 2 [Source:HGNC Symbol;Acc:HGNC:2495]	33.8	38.1	1.13	0.001692
THBS1	thrombospondin 1 [Source:HGNC Symbol;Acc:HGNC:11785]	344.2	391.4	1.13	0.036084
AP1S2	adaptor related protein complex 1 sigma 2 subunit [Source:HGNC Symbol;Acc:HGNC:560]	19.4	21.8	1.13	0.007144
FGD5	FYVE, RhoGEF and PH domain containing 5 [Source:HGNC Symbol;Acc:HGNC:19117]	35.5	39.8	1.13	0.015295
CCNYL1	cyclin Y like 1 [Source:HGNC Symbol;Acc:HGNC:26868]	29.0	32.7	1.13	0.005407
INF2	inverted formin, FH2 and WH2 domain containing [Source:HGNC Symbol;Acc:HGNC:23791]	146.7	165.3	1.13	0.001897

RECK	reversion inducing cysteine rich protein with kazal motifs [Source:HGNC Symbol;Acc:HGNC:11345]	24.6	27.7	1.13	0.011386
ZNF703	zinc finger protein 703 [Source:HGNC Symbol;Acc:HGNC:25883]	30.2	33.9	1.13	0.007926
CYB5R2	cytochrome b5 reductase 2 [Source:HGNC Symbol;Acc:HGNC:24376]	42.2	47.3	1.13	0.015048
RAP1A	RAP1A, member of RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9855]	66.2	74.2	1.13	0.011386
DDIT4L	DNA damage inducible transcript 4 like [Source:HGNC Symbol;Acc:HGNC:30555]	88.4	100.6	1.13	0.003928
FNDC1	fibronectin type III domain containing 1 [Source:HGNC Symbol;Acc:HGNC:21184]	115.7	129.8	1.13	0.025998
CAB39	calcium binding protein 39 [Source:HGNC Symbol;Acc:HGNC:20292]	91.2	102.8	1.13	0.002452
PEA15	phosphoprotein enriched in astrocytes 15 [Source:HGNC Symbol;Acc:HGNC:8822]	141.9	159.7	1.13	0.001875
RIPOR1	RHO family interacting cell polarization regulator 1 [Source:HGNC Symbol;Acc:HGNC:25836]	41.8	46.9	1.13	0.003351
TMBIM1	transmembrane BAX inhibitor motif containing 1 [Source:HGNC Symbol;Acc:HGNC:23410]	240.5	270.0	1.13	0.006614
CDC42SE1	CDC42 small effector 1 [Source:HGNC Symbol;Acc:HGNC:17719]	170.5	191.5	1.13	0.002992
DDX58	DEXD/H-box helicase 58 [Source:HGNC Symbol;Acc:HGNC:19102]	25.7	28.9	1.13	0.01262
SSBP3	single stranded DNA binding protein 3 [Source:HGNC Symbol;Acc:HGNC:15674]	23.1	25.9	1.13	0.012019
ATP2B1	ATPase plasma membrane Ca ²⁺ transporting 1 [Source:HGNC Symbol;Acc:HGNC:814]	602.5	674.7	1.13	0.002084
WDR1	WD repeat domain 1 [Source:HGNC Symbol;Acc:HGNC:12754]	254.8	287.3	1.13	0.001481
ZNFX1	zinc finger NFX1-type containing 1 [Source:HGNC Symbol;Acc:HGNC:29271]	159.4	178.0	1.13	0.04069
CD55	CD55 molecule (Cromer blood group) [Source:HGNC Symbol;Acc:HGNC:2665]	2040.8	2277.2	1.13	0.000188
LPIN1	lipin 1 [Source:HGNC Symbol;Acc:HGNC:13345]	40.2	45.2	1.13	0.016574
FOXP4	forkhead box P4 [Source:HGNC Symbol;Acc:HGNC:20842]	47.8	53.6	1.13	0.003085
UCK2	uridine-cytidine kinase 2 [Source:HGNC Symbol;Acc:HGNC:12562]	17.7	20.0	1.13	0.014086
RAI14	retinoic acid induced 14 [Source:HGNC Symbol;Acc:HGNC:14873]	47.9	54.0	1.13	0.019034
NIPAL3	NIPA like domain containing 3 [Source:HGNC Symbol;Acc:HGNC:25233]	26.6	29.6	1.13	0.022826
TBC1D12	TBC1 domain family member 12 [Source:HGNC Symbol;Acc:HGNC:29082]	15.5	17.3	1.13	0.012101
OSBPL9	oxysterol binding protein like 9 [Source:HGNC Symbol;Acc:HGNC:16386]	29.2	32.6	1.12	0.017175
GLRX2	glutaredoxin 2 [Source:HGNC Symbol;Acc:HGNC:16065]	23.1	25.8	1.12	0.03237
KLF10	Kruppel like factor 10 [Source:HGNC Symbol;Acc:HGNC:11810]	67.7	75.7	1.12	0.003124
SPATS2L	spermatogenesis associated serine rich 2 like [Source:HGNC Symbol;Acc:HGNC:24574]	47.0	52.7	1.12	0.008246
SVIL-AS1	SVIL antisense RNA 1 [Source:HGNC Symbol;Acc:HGNC:51219]	24.7	27.7	1.12	0.026579
GCNT1	glucosaminyl (N-acetyl) transferase 1, core 2 [Source:HGNC Symbol;Acc:HGNC:4203]	35.2	39.5	1.12	0.00507
ABHD3	abhydrolase domain containing 3 [Source:HGNC Symbol;Acc:HGNC:18718]	11.7	13.1	1.12	0.031474
YPEL2	yippee like 2 [Source:HGNC Symbol;Acc:HGNC:18326]	18.8	21.1	1.12	0.015531
SLC8B1	solute carrier family 8 member B1 [Source:HGNC Symbol;Acc:HGNC:26175]	36.6	40.8	1.12	0.012793
NKX3-1	NK3 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:7838]	170.2	190.6	1.12	0.00223
MAPKBP1	mitogen-activated protein kinase binding protein 1 [Source:HGNC Symbol;Acc:HGNC:29536]	46.7	52.1	1.12	0.026822
BACE1	beta-secretase 1 [Source:HGNC Symbol;Acc:HGNC:933]	25.2	28.2	1.12	0.040092
COL8A2	collagen type VIII alpha 2 chain [Source:HGNC Symbol;Acc:HGNC:2216]	79.5	89.1	1.12	0.003118
ABHD2	abhydrolase domain containing 2 [Source:HGNC Symbol;Acc:HGNC:18717]	263.2	291.6	1.12	0.046516
DLGAP4	DLG associated protein 4 [Source:HGNC Symbol;Acc:HGNC:24476]	146.6	164.1	1.12	0.00507
GXYLT1	glucoside xylosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:27482]	37.5	42.1	1.12	0.023883

AGFG2	ArfGAP with FG repeats 2 [Source:HGNC Symbol;Acc:HGNC:5177]	41.7	46.5	1.12	0.016083
LRRFIP1	LRR binding FLII interacting protein 1 [Source:HGNC Symbol;Acc:HGNC:6702]	155.1	173.6	1.12	0.011709
SEMA3E	semaphorin 3E [Source:HGNC Symbol;Acc:HGNC:10727]	19.1	21.3	1.12	0.046504
KIAA0040	KIAA0040 [Source:HGNC Symbol;Acc:HGNC:28950]	80.1	89.5	1.12	0.017136
CSK	CSK, non-receptor tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:2444]	59.6	66.7	1.12	0.004413
PNP	purine nucleoside phosphorylase [Source:HGNC Symbol;Acc:HGNC:7892]	89.1	100.8	1.12	0.018521
ZBTB46	zinc finger and BTB domain containing 46 [Source:HGNC Symbol;Acc:HGNC:16094]	13.7	15.3	1.12	0.035041
POLG	DNA polymerase gamma, catalytic subunit [Source:HGNC Symbol;Acc:HGNC:9179]	64.3	71.9	1.12	0.00507
NDRG1	N-myc downstream regulated 1 [Source:HGNC Symbol;Acc:HGNC:7679]	1050.7	1173.8	1.12	0.004711
TUBA1B	tubulin alpha 1b [Source:HGNC Symbol;Acc:HGNC:18809]	131.4	146.7	1.12	0.009047
RRAS2	related RAS viral (r-ras) oncogene homolog 2 [Source:HGNC Symbol;Acc:HGNC:17271]	35.5	39.5	1.12	0.030575
CHAC1	ChaC glutathione specific gamma-glutamylcyclotransferase 1 [Source:HGNC Symbol;Acc:HGNC:28680]	32.9	36.8	1.12	0.016368
ATP1B1	ATPase Na ⁺ /K ⁺ transporting subunit beta 1 [Source:HGNC Symbol;Acc:HGNC:804]	342.2	379.5	1.12	0.00503
TLDC1	TBC/LysM-associated domain containing 1 [Source:HGNC Symbol;Acc:HGNC:29325]	21.9	24.3	1.12	0.038131
BCL10	B-cell CLL/lymphoma 10 [Source:HGNC Symbol;Acc:HGNC:989]	38.0	42.4	1.12	0.037017
BAMBI	BMP and activin membrane bound inhibitor [Source:HGNC Symbol;Acc:HGNC:30251]	44.7	49.8	1.12	0.005198
CDC42EP4	CDC42 effector protein 4 [Source:HGNC Symbol;Acc:HGNC:17147]	32.9	36.6	1.12	0.016826
RAB35	RAB35, member RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9774]	53.0	59.2	1.12	0.004153
PPARD	peroxisome proliferator activated receptor delta [Source:HGNC Symbol;Acc:HGNC:9235]	50.0	55.8	1.12	0.00386
MAP3K3	mitogen-activated protein kinase kinase kinase 3 [Source:HGNC Symbol;Acc:HGNC:6855]	45.4	50.6	1.12	0.016196
CPT1A	carnitine palmitoyltransferase 1A [Source:HGNC Symbol;Acc:HGNC:2328]	22.4	24.9	1.12	0.042557
CCDC127	coiled-coil domain containing 127 [Source:HGNC Symbol;Acc:HGNC:30520]	37.8	42.1	1.12	0.020411
MSN	moesin [Source:HGNC Symbol;Acc:HGNC:7373]	497.2	556.8	1.12	0.032727
STAT5A	signal transducer and activator of transcription 5A [Source:HGNC Symbol;Acc:HGNC:11366]	35.4	39.5	1.12	0.006377
MSRB3	methionine sulfoxide reductase B3 [Source:HGNC Symbol;Acc:HGNC:27375]	34.7	38.5	1.12	0.027495
GIT1	GIT ArfGAP 1 [Source:HGNC Symbol;Acc:HGNC:4272]	26.3	29.3	1.12	0.008046
EHD2	EH domain containing 2 [Source:HGNC Symbol;Acc:HGNC:3243]	235.7	263.8	1.12	0.004069
MYO1D	myosin ID [Source:HGNC Symbol;Acc:HGNC:7598]	169.9	189.1	1.12	0.021083
SH2D4A	SH2 domain containing 4A [Source:HGNC Symbol;Acc:HGNC:26102]	40.0	44.5	1.12	0.005894
TMX4	thioredoxin related transmembrane protein 4 [Source:HGNC Symbol;Acc:HGNC:25237]	186.6	208.4	1.12	0.039846
MAT2A	methionine adenosyltransferase 2A [Source:HGNC Symbol;Acc:HGNC:6904]	191.3	213.7	1.12	0.022691
PLCD3	phospholipase C delta 3 [Source:HGNC Symbol;Acc:HGNC:9061]	27.4	30.5	1.12	0.02659
CORO1C	coronin 1C [Source:HGNC Symbol;Acc:HGNC:2254]	60.1	66.5	1.12	0.034257
GIPC1	GIPC PDZ domain containing family member 1 [Source:HGNC Symbol;Acc:HGNC:1226]	31.7	35.4	1.12	0.045173
BAZ1A	bromodomain adjacent to zinc finger domain 1A [Source:HGNC Symbol;Acc:HGNC:960]	35.0	38.7	1.12	0.044841
MXD4	MAX dimerization protein 4 [Source:HGNC Symbol;Acc:HGNC:13906]	44.7	49.5	1.11	0.021487
SMURF1	SMAD specific E3 ubiquitin protein ligase 1 [Source:HGNC Symbol;Acc:HGNC:16807]	45.6	50.5	1.11	0.023846
CYLD	CYLD lysine 63 deubiquitinase [Source:HGNC Symbol;Acc:HGNC:2584]	195.7	217.8	1.11	0.013515
SLC43A3	solute carrier family 43 member 3 [Source:HGNC Symbol;Acc:HGNC:17466]	112.4	125.0	1.11	0.044038

ESRRA	estrogen related receptor alpha [Source:HGNC Symbol;Acc:HGNC:3471]	21.6	23.9	1.11	0.044775
TNPO1	transportin 1 [Source:HGNC Symbol;Acc:HGNC:6401]	139.8	153.5	1.11	0.033682
INSIG1	insulin induced gene 1 [Source:HGNC Symbol;Acc:HGNC:6083]	170.7	189.9	1.11	0.009745
SCRN1	secernin 1 [Source:HGNC Symbol;Acc:HGNC:22192]	61.2	67.4	1.11	0.010891
FYTTD1	forty-two-three domain containing 1 [Source:HGNC Symbol;Acc:HGNC:25407]	61.5	68.1	1.11	0.005777
CAV1	caveolin 1 [Source:HGNC Symbol;Acc:HGNC:1527]	662.7	734.5	1.11	0.008602
ANXA11	annexin A11 [Source:HGNC Symbol;Acc:HGNC:535]	148.4	164.9	1.11	0.008782
SIPA1	signal-induced proliferation-associated 1 [Source:HGNC Symbol;Acc:HGNC:10885]	18.9	21.0	1.11	0.033576
PPP2R5A	protein phosphatase 2 regulatory subunit B'alpha [Source:HGNC Symbol;Acc:HGNC:9309]	37.0	41.0	1.11	0.009486
PKNOX1	PBX/knotted 1 homeobox 1 [Source:HGNC Symbol;Acc:HGNC:9022]	16.7	18.4	1.11	0.033909
ANXA2	annexin A2 [Source:HGNC Symbol;Acc:HGNC:537]	656.8	726.5	1.11	0.010522
STX7	syntaxin 7 [Source:HGNC Symbol;Acc:HGNC:11442]	47.2	52.3	1.11	0.007897
CTDSPL	CTD small phosphatase like [Source:HGNC Symbol;Acc:HGNC:16890]	31.4	34.9	1.11	0.010838
CPAMD8	C3 and PZP like, alpha-2-macroglobulin domain containing 8 [Source:HGNC Symbol;Acc:HGNC:23228]	111.3	123.9	1.11	0.009533
TAGLN2	transgelin 2 [Source:HGNC Symbol;Acc:HGNC:11554]	224.9	249.2	1.11	0.043992
ANO10	anoctamin 10 [Source:HGNC Symbol;Acc:HGNC:25519]	52.8	58.6	1.11	0.014038
UXS1	UDP-glucuronate decarboxylase 1 [Source:HGNC Symbol;Acc:HGNC:17729]	92.1	101.3	1.11	0.020686
ACTR3	ARP3 actin related protein 3 homolog [Source:HGNC Symbol;Acc:HGNC:170]	207.9	230.0	1.11	0.016792
CSRNP2	cysteine and serine rich nuclear protein 2 [Source:HGNC Symbol;Acc:HGNC:16006]	40.4	44.6	1.11	0.026509
IDH3A	isocitrate dehydrogenase 3 (NAD(+)) alpha [Source:HGNC Symbol;Acc:HGNC:5384]	30.4	33.6	1.11	0.018663
ARHGEF40	Rho guanine nucleotide exchange factor 40 [Source:HGNC Symbol;Acc:HGNC:25516]	84.4	93.2	1.11	0.007947
TNFRSF11B	TNF receptor superfamily member 11b [Source:HGNC Symbol;Acc:HGNC:11909]	4350.9	4832.2	1.11	0.004264
CLIC4	chloride intracellular channel 4 [Source:HGNC Symbol;Acc:HGNC:13518]	866.0	955.2	1.11	0.022797
TMEM47	transmembrane protein 47 [Source:HGNC Symbol;Acc:HGNC:18515]	109.3	120.2	1.11	0.045173
EHBP1L1	EH domain binding protein 1 like 1 [Source:HGNC Symbol;Acc:HGNC:30682]	106.5	117.4	1.11	0.026589
CLDN12	claudin 12 [Source:HGNC Symbol;Acc:HGNC:2034]	85.0	93.9	1.11	0.025034
PNRC2	proline rich nuclear receptor coactivator 2 [Source:HGNC Symbol;Acc:HGNC:23158]	109.2	120.3	1.11	0.017781
FAM53C	family with sequence similarity 53 member C [Source:HGNC Symbol;Acc:HGNC:1336]	41.4	45.6	1.11	0.047949
FYN	FYN proto-oncogene, Src family tyrosine kinase [Source:HGNC Symbol;Acc:HGNC:4037]	31.3	34.4	1.11	0.044841
LASP1	LIM and SH3 protein 1 [Source:HGNC Symbol;Acc:HGNC:6513]	109.6	121.4	1.11	0.019366
RARG	retinoic acid receptor gamma [Source:HGNC Symbol;Acc:HGNC:9866]	123.0	135.1	1.11	0.016083
FGFBP2	fibroblast growth factor binding protein 2 [Source:HGNC Symbol;Acc:HGNC:29451]	1001.9	1094.9	1.10	0.024258
TIMP2	TIMP metalloproteinase inhibitor 2 [Source:HGNC Symbol;Acc:HGNC:11821]	387.9	423.2	1.10	0.016083
COTL1	coactosin like F-actin binding protein 1 [Source:HGNC Symbol;Acc:HGNC:18304]	97.1	106.2	1.10	0.045217
RAP1B	RAP1B, member of RAS oncogene family [Source:HGNC Symbol;Acc:HGNC:9857]	58.6	64.5	1.10	0.036966
PARM1	prostate androgen-regulated mucin-like protein 1 [Source:HGNC Symbol;Acc:HGNC:24536]	107.7	117.2	1.10	0.027364
SLC6A8	solute carrier family 6 member 8 [Source:HGNC Symbol;Acc:HGNC:11055]	97.7	107.1	1.10	0.023471
PIEZO1	piezo type mechanosensitive ion channel component 1 [Source:HGNC Symbol;Acc:HGNC:28993]	731.2	802.1	1.10	0.028085
KCNMA1	potassium calcium-activated channel subfamily M alpha 1 [Source:HGNC Symbol;Acc:HGNC:6284]	313.3	343.5	1.10	0.018574

EPS8L2	EPS8 like 2 [Source:HGNC Symbol;Acc:HGNC:21296]	150.7	165.7	1.10	0.021377
SERPINB1	serpin family B member 1 [Source:HGNC Symbol;Acc:HGNC:3311]	51.4	56.5	1.10	0.021731
NTN1	netrin 1 [Source:HGNC Symbol;Acc:HGNC:8029]	165.6	181.6	1.10	0.01673
CYBRD1	cytochrome b reductase 1 [Source:HGNC Symbol;Acc:HGNC:20797]	144.8	159.3	1.10	0.022678
SMAD3	SMAD family member 3 [Source:HGNC Symbol;Acc:HGNC:6769]	129.2	139.6	1.10	0.04679
TCIRG1	T-cell immune regulator 1, ATPase H ⁺ transporting V0 subunit a3 [Source:HGNC Symbol;Acc:HGNC:11647]	32.2	35.3	1.10	0.039114
RAP1GAP2	RAP1 GTPase activating protein 2 [Source:HGNC Symbol;Acc:HGNC:29176]	40.7	44.7	1.10	0.048203
SOCS5	suppressor of cytokine signaling 5 [Source:HGNC Symbol;Acc:HGNC:16852]	57.4	62.7	1.10	0.031826
STX11	syntaxin 11 [Source:HGNC Symbol;Acc:HGNC:11429]	24.7	27.2	1.10	0.043321
SUN2	Sad1 and UNC84 domain containing 2 [Source:HGNC Symbol;Acc:HGNC:14210]	185.5	203.4	1.10	0.031565
TOB1	transducer of ERBB2, 1 [Source:HGNC Symbol;Acc:HGNC:11979]	61.0	66.9	1.10	0.032939
CD276	CD276 molecule [Source:HGNC Symbol;Acc:HGNC:19137]	96.8	106.1	1.10	0.023553
RHBDF1	rhomboid 5 homolog 1 [Source:HGNC Symbol;Acc:HGNC:20561]	41.0	45.0	1.10	0.028405
ZFAND5	zinc finger AN1-type containing 5 [Source:HGNC Symbol;Acc:HGNC:13008]	205.1	225.2	1.10	0.01907
EIF4EBP2	eukaryotic translation initiation factor 4E binding protein 2 [Source:HGNC Symbol;Acc:HGNC:3289]	128.5	140.7	1.10	0.034019
ITGB5	integrin subunit beta 5 [Source:HGNC Symbol;Acc:HGNC:6160]	866.8	948.6	1.10	0.008879
COLGALT1	collagen beta(1-O)galactosyltransferase 1 [Source:HGNC Symbol;Acc:HGNC:26182]	99.0	108.7	1.10	0.037505
IPO13	importin 13 [Source:HGNC Symbol;Acc:HGNC:16853]	28.3	30.9	1.10	0.028131
DHCR24	24-dehydrocholesterol reductase [Source:HGNC Symbol;Acc:HGNC:2859]	66.8	73.4	1.10	0.047115
BHLHE40	basic helix-loop-helix family member e40 [Source:HGNC Symbol;Acc:HGNC:1046]	196.1	214.3	1.10	0.038458
RNF19B	ring finger protein 19B [Source:HGNC Symbol;Acc:HGNC:26886]	151.8	164.5	1.10	0.042528
PLXNB2	plexin B2 [Source:HGNC Symbol;Acc:HGNC:9104]	356.3	387.8	1.09	0.033995
CDV3	CDV3 homolog [Source:HGNC Symbol;Acc:HGNC:26928]	152.5	166.4	1.09	0.038602
NCK2	NCK adaptor protein 2 [Source:HGNC Symbol;Acc:HGNC:7665]	88.2	96.3	1.09	0.047115
CALM1	calmodulin 1 [Source:HGNC Symbol;Acc:HGNC:1442]	236.0	256.1	1.09	0.04234
HK1	hexokinase 1 [Source:HGNC Symbol;Acc:HGNC:4922]	189.2	205.8	1.09	0.04497
SMAD7	SMAD family member 7 [Source:HGNC Symbol;Acc:HGNC:6773]	70.9	77.3	1.09	0.03485
ABI1	abl interactor 1 [Source:HGNC Symbol;Acc:HGNC:11320]	85.3	93.0	1.09	0.044617
RTN4	reticulon 4 [Source:HGNC Symbol;Acc:HGNC:14085]	641.1	699.0	1.09	0.030882

Mean = trimmed mean of M-values (TMM) normalized counts

adj. p = FDR-adjusted p-value