

Supplementary Table S3 Genetic variants associated with the level of fatigue at suggestive significance ($p < 1.0E-05$) in patients with primary Sjögren's syndrome in the Swedish cohort (n=138)

SNP ID	Chr	Position (hg19)	A1	A2	MAF	P-value	Beta (SE) [‡]	Gene symbol	Closest gene
rs10039856	5	142252549	C	T	0.07	9.39E-09	-32.84 (5.29)	ARHGAP26	ARHGAP26
rs9664595	10	2561902	T	C	0.2	7.63E-07	-16.89 (3.27)	LOC105376350	LOC105376350
rs9665559	10	2562837	G	T	0.2	7.66E-07	-16.88 (3.27)	LOC105376350	LOC105376350
rs60344347	3	187072951	CCT CT	C	0.23	1.07E-06	-14.96 (2.94)	NA	RTP4/MASPI
rs1985269	3	187072267	C	T	0.23	1.08E-06	-14.95 (2.94)	NA	RTP4/MASPI
rs7611640	3	187078402	G	A	0.23	1.08E-06	-14.95 (2.94)	NA	RTP4/MASPI
rs73182503	3	187081659	A	G	0.23	1.09E-06	-14.95 (2.94)	NA	RTP4/MASPI
rs7626469	3	187082771	C	G	0.23	1.09E-06	-14.96 (2.94)	NA	RTP4/MASPI
rs73197561	3	187066709	A	G	0.23	1.28E-06	-15.00 (2.96)	NA	RTP4/MASPI
rs7594173	2	32900330	A	G	0.22	1.38E-06	17.15 (3.40)	TTC27	TTC27
rs73197558	3	187066579	G	T	0.23	1.50E-06	-14.92 (2.96)	NA	RTP4/MASPI
rs73197560	3	187066603	T	A	0.23	1.65E-06	-14.86 (2.97)	NA	RTP4/MASPI
rs2630361	12	51335587	A	T	0.42	3.15E-06	13.03 (2.68)	HIGD1C	HIGD1C/ SLC11A2
rs2554863	12	51335589	G	C	0.42	3.15E-06	13.03 (2.68)	HIGD1C	HIGD1C/ SLC11A2
rs10783409	12	51336363	A	G	0.41	3.64E-06	13.03 (2.71)	HIGD1C	HIGD1C /SLC11A2
rs2630370	12	51337257	A	G	0.41	3.64E-06	13.03 (2.71)	HIGD1C	HIGD1C/ SLC11A2
rs2630371	12	51341632	C	T	0.41	3.65E-06	13.03 (2.71)	HIGD1C	HIGD1C/ SLC11A2
rs829015	12	51344443	T	C	0.41	3.65E-06	13.03 (2.71)	HIGD1C	HIGD1C/ SLC11A2
rs17094837	10	118248358	T	A	0.08	4.49E-06	-25.10 (5.28)	NA	PNLIPRP3
rs7895539	10	118248572	A	C	0.08	4.49E-06	-25.10 (5.28)	NA	PNLIPRP3
rs56347627	10	118248730	G	C	0.08	4.62E-06	-25.13 (5.28)	NA	PNLIPRP3
rs146542175	10	118244960	G	A	0.08	4.70E-06	-25.03 (5.28)	NA	PNLIPRP3
rs141179670	10	118245117	C	T	0.08	4.70E-06	-25.03 (5.28)	NA	PNLIPRP3
rs4751973	10	118243975	C	T	0.08	4.71E-06	-25.03 (5.28)	NA	PNLIPRP3
rs12569863	10	118243242	C	T	0.08	4.73E-06	-25.03 (5.28)	NA	PNLIPRP3
rs4751972	10	118241933	G	A	0.08	4.76E-06	-25.01 (5.28)	NA	PNLIPRP3
rs1544373	7	19241953	G	A	0.07	4.86E-06	-26.15 (5.52)	NA	FERD3L
rs76706280	2	32898214	A	G	0.21	4.87E-06	16.35 (3.44)	TTC27	TTC27
rs224448	12	51391334	G	C	0.42	5.48E-06	-12.87 (2.72)	SLC11A2	HIGD1C/ SLC11A2
rs1549827	10	118188503	T	A	0.1	5.72E-06	20.72 (4.40)	NA	PNLIPRP3
rs66695429	6	124718790	TA	T	0.06	5.75E-06	-27.09 (5.77)	NKAIN2	NKAIN2
rs72509439	10	118195787	AT	A	0.1	5.95E-06	20.83 (4.43)	NA	PNLIPRP3
rs144072128	6	124729790	T	G	0.05	6.13E-06	-28.57 (6.13)	NKAIN2	NKAIN2
6:124729823	6	124729823	T	C	0.05	6.13E-06	-28.57 (6.13)	NKAIN2	NKAIN2
rs182746228	6	124729824	G	A	0.05	6.13E-06	-28.57 (6.13)	NKAIN2	NKAIN2
rs11251287	10	2558821	C	T	0.23	6.16E-06	-15.03 (3.20)	LOC105376350	LOC105376350
rs9665581	10	2559558	C	A	0.23	6.16E-06	-15.03 (3.20)	LOC105376350	LOC105376350
rs10885930	10	118187936	C	A	0.1	6.17E-06	20.67 (4.41)	NA	PNLIPRP3
rs60988615	10	2555434	TGA G	T	0.23	6.19E-06	-15.03 (3.20)	LOC105376350	LOC105376350
rs17012060	2	32905437	A	G	0.2	6.24E-06	16.30 (3.47)	TTC27	TTC27
rs713252	10	118185230	C	T	0.1	6.34E-06	20.63 (4.40)	NA	PNLIPRP3
rs10903786	10	2555629	G	A	0.23	6.45E-06	-15.03 (3.21)	LOC105376350	LOC105376350
rs62436341	6	124754498	C	A	0.06	6.51E-06	-24.70 (5.22)	NKAIN2	NKAIN2
rs17051780	6	124710492	T	C	0.06	6.74E-06	-27.72 (5.94)	NKAIN2	NKAIN2

rs9491153	6	124711068	G	C	0.06	6.74E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs1322582	6	124716314	A	G	0.06	6.74E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs73770477	6	124716570	A	C	0.06	6.74E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436275	6	124716766	T	C	0.06	6.74E-06	-27.72 (5.94)	NKAIN2	NKAIN2
chr6:124718792	6	124718792	A	T	0.06	6.75E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs9482544	6	124718806	A	G	0.06	6.75E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436281	6	124719277	T	C	0.06	6.75E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs4259762	10	2556981	G	A	0.23	6.85E-06	-15.00 (3.21)	LOC105376350	LOC105376350
rs62436338	6	124745833	G	A	0.06	6.86E-06	-24.95 (5.32)	NKAIN2	NKAIN2
rs118002838	6	124746721	A	G	0.06	6.88E-06	-24.95 (5.32)	NKAIN2	NKAIN2
rs6903115	6	124724198	A	G	0.06	6.93E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436301	6	124727649	T	C	0.06	7.00E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs141120443	6	124731892	A	G	0.06	7.01E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs142837807	6	124732726	G	T	0.06	7.01E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs141710474	6	124732850	A	G	0.06	7.01E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs139603834	6	124733088	C	G	0.06	7.01E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436311	6	124733166	T	G	0.06	7.01E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436313	6	124733321	A	G	0.06	7.01E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436314	6	124733340	C	T	0.06	7.01E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436316	6	124734122	G	A	0.06	7.02E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436317	6	124734451	C	A	0.06	7.02E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs9482551	6	124734588	C	T	0.06	7.02E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436318	6	124735898	C	G	0.06	7.02E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436320	6	124736233	T	G	0.06	7.02E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs200707930	6	124739269	C	CA	0.06	7.02E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs140590728	6	124733767	G	A	0.06	7.03E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436321	6	124739581	C	G	0.06	7.03E-06	-27.72 (5.94)	NKAIN2	NKAIN2
rs62436339	6	124748269	T	C	0.06	7.20E-06	-24.93 (5.32)	NKAIN2	NKAIN2
rs62436340	6	124749990	C	T	0.07	7.25E-06	-24.18 (5.15)	NKAIN2	NKAIN2
rs9491175	6	124748686	C	T	0.06	7.28E-06	-24.93 (5.33)	NKAIN2	NKAIN2
rs919613	10	118179575	T	A	0.1	7.35E-06	20.56 (4.41)	NA	PNLIPRP3
rs201785350	6	124735167	GT	G	0.06	7.42E-06	-27.66 (5.95)	NKAIN2	NKAIN2
rs12262444	10	2557018	C	A	0.23	7.61E-06	-14.94 (3.22)	LOC105376350	LOC105376350
rs62436344	6	124758796	A	G	0.06	7.67E-06	-24.67 (5.24)	NKAIN2	NKAIN2
rs4768947	12	51362161	T	C	0.42	7.71E-06	12.64 (2.72)	SLC11A2	HIGD1C/ SLC11A2
chr12:51404679	12	51404679	CCT	TCT	0.42	7.75E-06	-12.65 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs1095999	12	51367350	A	T	0.42	7.81E-06	12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs829025	12	51371797	A	G	0.42	7.81E-06	-12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs706805	12	51383787	A	G	0.42	7.81E-06	-12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs1632791	12	51386872	C	T	0.42	7.81E-06	-12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs11169657	12	51388125	C	T	0.42	7.81E-06	-12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs7977740	12	51401218	A	G	0.42	7.81E-06	-12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs427020	12	51404467	C	T	0.42	7.82E-06	-12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs224572	12	51416520	T	C	0.42	7.82E-06	-12.64 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs62436335	6	124743902	T	C	0.06	8.01E-06	-27.67 (5.95)	NKAIN2	NKAIN2
rs12424509	12	51422326	T	A	0.42	8.08E-06	-12.62 (2.73)	SLC11A2	HIGD1C/ SLC11A2
rs62436337	6	124744746	A	G	0.06	8.11E-06	-27.68 (5.95)	NKAIN2	NKAIN2

rs80082716	6	124744811	G	A	0.06	8.11E-06	-27.68 (5.95)	<i>NKAIN2</i>	<i>NKAIN2</i>
chr6:124760516	6	124760516	T	A	0.06	8.22E-06	-24.66 (5.26)	<i>NKAIN2</i>	<i>NKAIN2</i>
rs62436273	6	124715083	A	G	0.06	8.35E-06	-27.62 (5.96)	<i>NKAIN2</i>	<i>NKAIN2</i>
rs62436274	6	124715086	C	G	0.06	8.35E-06	-27.62 (5.96)	<i>NKAIN2</i>	<i>NKAIN2</i>

‡ Regression coefficient of the minor allele and standard error.

Variant exceeding genome-wide significance ($p < 5.0E-08$) is marked in bold.

MAF, minor allele frequency