

**Supplementary Table S5** Genetic variants associated with the level of fatigue at suggestive significance ( $p < 1.0E-05$ ) in patients with primary Sjögren's syndrome in the USA cohort ( $n=191$ )

SNP ID	Chr	Position (hg19)	A1	A2	MAF	P-value	Beta (SE) <sup>‡</sup>	Gene symbol	Closest gene
rs7605830	2	167879812	G	C	0.06	2.58E-06	-28.18 (5.76)	<i>XIRP2</i>	<i>XIRP2</i>
rs9879002	3	59444928	T	A	0.50	4.14E-06	12.15 (2.56)	<i>LOC105377110</i>	<i>LOC105377110</i>
rs9821495	3	59445128	A	T	0.50	4.14E-06	12.14 (2.56)	<i>LOC105377110</i>	<i>LOC105377110</i>
rs151316276	16	2934887	C	CA	0.27	4.98E-06	-13.49 (2.88)	<i>FLYWCH2</i>	<i>FLYWCH2</i>
rs10431893	16	20618902	G	A	0.06	5.19E-06	-23.98 (5.12)	NA	<i>LOC112267906/ACSM5P1</i>
rs7855677	9	16271083	G	A	0.17	7.28E-06	-16.10 (3.50)	<i>C9orf92</i>	<i>C9orf92</i>
rs140637621	1	39080347	GA	G	0.12	7.29E-06	-18.08 (3.91)	NA	<i>LOC100996442</i>
rs11041581	11	7833008	G	A	0.07	8.15E-06	24.37 (5.35)	NA	<i>OR5P2/OR5P3</i>
rs34574317	16	20614488	C	T	0.06	8.22E-06	-22.86 (4.99)	NA	<i>LOC112267906/ACSM5P1</i>
rs7163945	15	67231181	G	T	0.12	8.44E-06	-17.81 (3.9)	<i>LINC02206</i>	<i>LINC02206</i>
rs9406604	9	16273634	C	A	0.17	8.53E-06	-16.00 (3.50)	<i>C9orf92</i>	<i>C9orf92</i>
rs1842820	11	7831731	G	A	0.06	8.91E-06	24.87 (5.42)	NA	<i>OR5P2/OR5P3</i>
rs1842822	11	7831819	G	A	0.06	8.91E-06	24.87 (5.42)	NA	<i>OR5P2/OR5P3</i>
rs1842823	11	7831882	C	T	0.06	8.91E-06	24.87 (5.42)	NA	<i>OR5P2/OR5P3</i>
rs2885149	11	7832075	T	C	0.06	8.91E-06	24.87 (5.42)	NA	<i>OR5P2/OR5P3</i>
rs4310601	11	7832087	G	C	0.06	8.91E-06	24.87 (5.42)	NA	<i>OR5P2/OR5P3</i>
rs11041580	11	7833007	T	C	0.06	8.91E-06	24.87 (5.42)	NA	<i>OR5P2/OR5P3</i>
rs71374818	16	20610402	G	A	0.07	8.91E-06	-21.8 (4.79)	NA	<i>LOC112267906/ACSM5P1</i>
rs9406603	9	16270602	G	C	0.17	9.01E-06	-15.89 (3.49)	<i>C9orf92</i>	<i>C9orf92</i>
rs58069103	15	67231333	C	T	0.12	9.25E-06	-18.15 (3.99)	<i>LINC02206</i>	<i>LINC02206</i>
rs61317848	15	67231344	T	A	0.12	9.32E-06	-18.17 (3.99)	<i>LINC02206</i>	<i>LINC02206</i>
rs17060647	3	59415930	G	T	0.42	9.33E-06	11.56 (2.54)	<i>LOC105377110</i>	<i>LOC105377110</i>
rs367600499	1	39077036	ACAT	A	0.13	9.88E-06	-17.59 (3.88)	NA	<i>LOC100996442</i>
rs35156056	19	47173993	A	AAAAC	0.42	9.88E-06	11.52 (2.54)	<i>DACT3-AS1</i>	<i>DACT3-AS1</i>

<sup>‡</sup>Regression coefficient of the minor allele and standard error.

MAF, minor allele frequency