

Supplementary table 2: Influence of gene expression-modulating SNPs of *IL6*, *TNFA* and *IL8* on the expression of other genes.

SNP ID	Variant allele	P-value	ID of affected gene	Symbol of affected gene	Z-score	Assessed allele	Other allele	Number of Cohorts	Number of Samples	FDR
rs1800797	A	1.67E-16	ENSG00000105889	STEAP1B	8.2434	A	G	13	7931	0.000
		1.35E-15	ENSG00000179428	AC073072.5	7.9904	A	G	22	18941	0.000
		3.32E-13	ENSG00000232759	AC002480.3	7.2809	A	G	12	4994	0.000
		8.53E-07	ENSG00000230658	KLHL7-AS1	-4.9227	A	G	12	5164	0.003
rs1800796	C	1.30E-08	ENSG00000179428	AC073072.5	-5.6859	C	G	21	18612	0.000
		8.29E-08	ENSG00000196683	TOMM7	5.3609	C	G	35	31140	0.000
		1.04E-05	ENSG00000226816	AC005082.12	-4.4088	C	G	13	5501	0.027
rs1800795	C	1.13E-17	ENSG00000179428	AC073072.5	8.5604	C	G	22	18941	0.000
		2.72E-17	ENSG00000105889	STEAP1B	8.4584	C	G	13	7931	0.000
		2.26E-13	ENSG00000232759	AC002480.3	7.3324	C	G	12	4991	0.000
rs2069832	A	4.84E-18	ENSG00000179428	AC073072.5	8.6571	A	G	22	18941	0.000
		1.16E-17	ENSG00000105889	STEAP1B	8.5566	A	G	13	7931	0.000
		1.26E-13	ENSG00000232759	AC002480.3	7.41	A	G	12	4994	0.000
		5.81E-07	ENSG00000230658	KLHL7-AS1	-4.9974	A	G	12	5164	0.002
rs2069833	C	6.38E-18	ENSG00000179428	AC073072.5	8.6257	C	T	22	18941	0.000
		1.04E-17	ENSG00000105889	STEAP1B	8.5693	C	T	13	7931	0.000
		1.12E-13	ENSG00000232759	AC002480.3	7.4259	C	T	12	4994	0.000
		5.81E-07	ENSG00000230658	KLHL7-AS1	-4.9974	C	T	12	5164	0.002
rs1474348	C	7.09E-18	ENSG00000179428	AC073072.5	8.6135	C	G	22	18941	0.000
		9.26E-18	ENSG00000105889	STEAP1B	8.583	C	G	13	7931	0.000
		1.03E-13	ENSG00000232759	AC002480.3	7.4369	C	G	12	4994	0.000
		5.67E-07	ENSG00000230658	KLHL7-AS1	-5.002	C	G	12	5164	0.002
		1.68E-05	ENSG00000196683	TOMM7	-4.3032	C	G	35	31355	0.042
rs2069837	G	2.20E-10	ENSG00000232759	AC002480.3	-6.3466	G	A	10	4169	0.000
		5.55E-06	ENSG00000196683	TOMM7	-4.5428	G	A	34	30644	0.015
rs1474347	C	6.29E-18	ENSG00000179428	AC073072.5	8.6272	C	A	22	18941	0.000
		1.98E-17	ENSG00000105889	STEAP1B	8.495	C	A	13	7931	0.000
		9.93E-14	ENSG00000232759	AC002480.3	7.4419	C	A	12	4994	0.000
		3.84E-07	ENSG00000230658	KLHL7-AS1	-5.0767	C	A	12	5164	0.001
		1.40E-05	ENSG00000196683	TOMM7	-4.3434	C	A	35	31355	0.036
rs2066992	T	1.85E-08	ENSG00000179428	AC073072.5	-5.6253	T	G	21	18612	0.000
		7.73E-08	ENSG00000196683	TOMM7	5.3736	T	G	35	31141	0.000
		1.80E-06	ENSG00000226816	AC005082.12	-4.7748	T	G	13	5502	0.005
rs2069840	G	7.69E-08	ENSG00000105889	STEAP1B	-5.3741	G	C	13	7931	0.000
		8.02E-07	ENSG00000230658	KLHL7-AS1	4.935	G	C	12	5164	0.002
		4.64E-06	ENSG00000232759	AC002480.3	-4.5805	G	C	12	4989	0.012
rs1554606	T	8.54E-16	ENSG00000179428	AC073072.5	8.0462	T	G	22	18941	0.000
		5.27E-15	ENSG00000105889	STEAP1B	7.8203	T	G	13	7931	0.000
		2.93E-13	ENSG00000232759	AC002480.3	7.2979	T	G	12	4994	0.000
		8.21E-07	ENSG00000230658	KLHL7-AS1	-4.9304	T	G	12	5164	0.002
		6.81E-06	ENSG00000122591	FAM126A	4.4997	T	G	35	31529	0.018

rs2069845	G	8.19E-16	ENSG00000179428	AC073072.5	8.0516	G	A	22	18941	0.000
		7.74E-15	ENSG00000105889	STEAP1B	7.772	G	A	13	7931	0.000
		1.88E-13	ENSG00000232759	AC002480.3	7.3569	G	A	12	4993	0.000
		1.23E-06	ENSG00000230658	KLHL7-AS1	-4.8502	G	A	12	5164	0.003
		9.00E-06	ENSG00000122591	FAM126A	4.4398	G	A	35	31528	0.023
rs3093661	A	3.2717e-310	ENSG00000204516	MICB	-38.036	A	G	13	10799	0.000
		1.66E-55	ENSG00000204520	MICA	-15.694	A	G	12	5724	0.000
		3.82E-34	ENSG00000204482	LST1	-12.183	A	G	13	10799	0.000
		1.59E-29	ENSG00000234745	HLA-B	11.2834	A	G	11	4805	0.000
		3.21E-21	ENSG00000229391	HLA-DRB6	-9.4556	A	G	27	21469	0.000
		2.00E-15	ENSG00000204580	DDR1	7.9418	A	G	13	10799	0.000
		2.09E-13	ENSG00000240053	LY6G5B	7.3429	A	G	13	10799	0.000
		2.05E-11	ENSG00000204472	AIF1	6.7025	A	G	13	10799	0.000
		4.73E-11	ENSG00000204428	LY6G5C	6.5793	A	G	13	10799	0.000
		3.32E-10	ENSG00000137331	IER3	-6.2828	A	G	13	10799	0.000
		3.88E-06	ENSG00000227507	LTB	4.6177	A	G	13	10799	0.010
		4.44E-06	ENSG00000204528	PSORS1C3	-4.5898	A	G	12	5724	0.012
		5.89E-06	ENSG00000137312	FLOT1	-4.5301	A	G	12	5724	0.016
1.27E-05	ENSG00000248290	TNXA	4.365	A	G	7	3134	0.033		
rs1800610	A	4.11E-194	ENSG00000204475	NCR3	-29.721	A	G	14	13564	0.000
		4.31E-68	ENSG00000204520	MICA	-17.437	A	G	13	8489	0.000
		6.40E-33	ENSG00000204525	HLA-C	-11.951	A	G	32	24777	0.000
		9.59E-29	ENSG00000213760	ATP6V1G2	11.1242	A	G	14	13564	0.000
		3.11E-28	ENSG00000229391	HLA-DRB6	11.0188	A	G	29	24563	0.000
		2.07E-24	ENSG00000232810	TNF	10.1962	A	G	14	13564	0.000
		1.23E-17	ENSG00000204528	PSORS1C3	8.5499	A	G	13	8489	0.000
		5.79E-17	ENSG00000206344	HCG27	8.3695	A	G	13	10797	0.000
		1.12E-15	ENSG00000204472	AIF1	8.0127	A	G	14	13564	0.000
		6.30E-14	ENSG00000204463	BAG6	7.5016	A	G	13	8489	0.000
		2.05E-13	ENSG00000204531	POU5F1	7.3459	A	G	12	5722	0.000
		9.94E-11	ENSG00000204428	LY6G5C	6.4678	A	G	14	13564	0.000
		7.47E-10	ENSG00000204536	CCHCR1	-6.1557	A	G	14	13564	0.000
		1.16E-09	ENSG00000204516	MICB	6.0864	A	G	14	13564	0.000
		9.02E-09	ENSG00000204396	VWA7	5.7484	A	G	12	7570	0.000
		1.29E-07	ENSG00000225851	HLA-S	5.2808	A	G	9	3833	0.000
		3.94E-07	ENSG00000226979	LTA	5.0717	A	G	14	13564	0.001
		8.23E-07	ENSG00000199332	Y_RNA	-4.9297	A	G	8	3325	0.002
		1.41E-06	ENSG00000204435	CSNK2B	-4.8236	A	G	14	13564	0.004
2.31E-06	ENSG00000137411	VAR2	4.7245	A	G	14	13564	0.006		
rs3093662	G	6.52E-131	ENSG00000204516	MICB	-24.345	G	A	14	13566	0.000
		5.99E-46	ENSG00000204482	LST1	-14.23	G	A	14	13566	0.000
		3.12E-43	ENSG00000204520	MICA	-13.785	G	A	13	8491	0.000
		1.21E-23	ENSG00000234745	HLA-B	10.0227	G	A	12	7572	0.000
		5.52E-12	ENSG00000204580	DDR1	6.8917	G	A	14	13566	0.000
		1.90E-11	ENSG00000204525	HLA-C	-6.7131	G	A	31	24395	0.000
		7.08E-11	ENSG00000229391	HLA-DRB6	-6.5189	G	A	28	24181	0.000
		1.41E-09	ENSG00000204528	PSORS1C3	-6.0545	G	A	13	8491	0.000

		1.63E-09	ENSG00000226979	LTA	-6.0309	G	A	14	13566	0.000
		8.05E-09	ENSG00000227507	LTB	5.7675	G	A	14	13566	0.000
		1.85E-08	ENSG00000204438	GPANK1	5.626	G	A	13	8491	0.000
		3.17E-08	ENSG00000198502	HLA-DRB5	-5.5317	G	A	32	24609	0.000
		3.77E-08	ENSG00000137331	IER3	-5.5011	G	A	14	13566	0.000
		1.03E-05	ENSG00000214894	LINC00243	-4.4098	G	A	11	4805	0.027
		1.21E-05	ENSG00000137312	FLOT1	-4.3753	G	A	13	8491	0.031
rs3093664	G	3.98E-149	ENSG00000204516	MICB	-26.008	G	A	13	10799	0.000
		1.23E-28	ENSG00000234745	HLA-B	11.1016	G	A	11	4805	0.000
		1.88E-22	ENSG00000204520	MICA	-9.7478	G	A	12	5724	0.000
		1.75E-17	ENSG00000204525	HLA-C	-8.5096	G	A	31	22012	0.000
		4.22E-14	ENSG00000198502	HLA-DRB5	-7.5539	G	A	32	22226	0.000
		1.24E-12	ENSG00000227507	LTB	7.1012	G	A	13	10799	0.000
		3.96E-12	ENSG00000204438	GPANK1	6.9387	G	A	12	5724	0.000
		7.26E-12	ENSG00000204580	DDR1	6.8524	G	A	13	10799	0.000
		6.85E-10	ENSG00000204482	LST1	-6.1695	G	A	13	10799	0.000
		9.08E-09	ENSG00000206344	HCG27	5.747	G	A	13	10799	0.000
		1.30E-08	ENSG00000204338	CYP21A1P	5.6866	G	A	10	4171	0.000
		1.98E-06	ENSG00000248290	TNXA	4.7559	G	A	7	3134	0.005
		2.74E-06	ENSG00000213760	ATP6V1G2	4.6898	G	A	13	10799	0.007
		7.10E-06	ENSG00000226979	LTA	-4.4906	G	A	13	10799	0.019
		7.44E-06	ENSG00000204528	PSORS1C3	4.4808	G	A	12	5724	0.020
		1.05E-05	ENSG00000213676	ATF6B	-4.4074	G	A	12	5724	0.027
		rs3093665	C	6.99E-29	ENSG00000204482	LST1	-11.152	C	A	11
2.11E-18	ENSG00000204438			GPANK1	8.7515	C	A	10	5131	0.000
1.78E-10	ENSG00000227507			LTB	6.3791	C	A	11	10206	0.000
1.61E-06	ENSG00000204428			LY6G5C	-4.7972	C	A	11	10206	0.004
4.05E-06	ENSG00000240053			LY6G5B	-4.6088	C	A	11	10206	0.011
1.62E-05	ENSG00000204301			NOTCH4	-4.3119	C	A	11	10206	0.041
rs2227307	G	3.36E-184	ENSG00000109272	PF4V1	28.9439	G	T	37	31682	0.000
		2.67E-66	ENSG00000169429	IL8	17.1996	G	T	34	25644	0.000
		3.73E-35	ENSG00000163735	CXCL5	12.3715	G	T	36	31468	0.000
		3.48E-16	ENSG00000124875	CXCL6	8.1556	G	T	36	31642	0.000
		9.12E-08	ENSG00000163739	CXCL1	5.3435	G	T	37	31682	0.000
rs2227549	G	3.50E-14	ENSG00000169429	IL8	7.5783	G	A	29	20523	0.000
		1.84E-12	ENSG00000109272	PF4V1	7.0458	G	A	32	26561	0.000
rs2227306	T	1.97E-176	ENSG00000109272	PF4V1	28.32	T	C	37	31683	0.000
		7.75E-79	ENSG00000169429	IL8	18.7986	T	C	34	25645	0.000
		1.50E-18	ENSG00000124875	CXCL6	8.7896	T	C	36	31643	0.000
		8.04E-18	ENSG00000163735	CXCL5	8.5991	T	C	36	31469	0.000
		1.36E-10	ENSG00000163739	CXCL1	6.4209	T	C	37	31683	0.000
rs2227543	T	5.62E-190	ENSG00000109272	PF4V1	29.3993	T	C	37	31684	0.000
		1.72E-76	ENSG00000169429	IL8	18.5102	T	C	34	25646	0.000
		1.29E-18	ENSG00000124875	CXCL6	8.8062	T	C	36	31644	0.000
		3.21E-17	ENSG00000163735	CXCL5	8.4388	T	C	36	31470	0.000
		3.19E-09	ENSG00000163739	CXCL1	5.9216	T	C	37	31684	0.000
rs1126647	T	2.66E-178	ENSG00000109272	PF4V1	28.4714	T	A	37	31683	0.000

		7.46E-77	ENSG00000169429	IL8	18.5549	T	A	34	25645	0.000
		8.12E-19	ENSG00000163735	CXCL5	8.8585	T	A	36	31469	0.000
		2.65E-15	ENSG00000124875	CXCL6	7.9066	T	A	36	31643	0.000
		3.27E-09	ENSG00000163739	CXCL1	5.9175	T	A	37	31683	0.000