

SNP	Chr	N	A1	β	P	Rank	Genes (within 10kb)	Genes (within 100kb)
rs6690390	1	95	A	1.16	8.52E-06	8		
rs11582141	1	95	G	0.97	8.61E-06	9		
rs2792251	1	95	G	0.84	1.42E-05	14	<i>PBX1</i>	
rs4551629	1	74	G	-1.20	7.85E-06	7		<i>LOC441931,ZNF496,ZNF124,VN1R5,FLJ45717</i>
rs7581685	2	90	G	-1.00	1.82E-05	19		<i>SPAG16</i>
rs10458166	6	95	G	-0.93	1.17E-05	11	<i>PRPF4B</i>	<i>C6orf146,C6orf201</i>
rs980962	6	91	G	-1.15	8.51E-07	2	<i>ZNF391</i>	<i>FKSG83,ZNF184,ZNF204</i>
rs9373984	6	76	G	0.88	5.88E-06	5	<i>SCML4</i>	<i>SEC63</i>
rs7784712	7	90	A	-0.98	1.78E-05	17		<i>HDAC9,TWIST1</i>
rs2392591	7	90	A	-0.82	6.03E-06	6		<i>AMPH,LOC340286,VPS41</i>
rs16890858	8	95	A	-1.04	8.80E-06	10	<i>SAMD12</i>	
rs10988467	9	95	A	-0.80	4.83E-06	4	<i>PRRX2</i>	<i>C9orf32,ASB6,C9orf50,PTGES</i>
rs10786940	10	85	G	0.95	1.89E-05	20		
rs7970151	12	95	A	-1.21	1.78E-05	18		
rs8038032	15	90	G	0.82	1.50E-05	15		<i>ZNF770,AQR,hCG_1787519</i>
rs11083340	18	95	A	-0.86	1.61E-05	16		
rs4369752	18	88	A	-0.88	2.16E-06	3		
rs183049	19	92	A	-0.88	1.41E-05	13	<i>SLC6A16</i>	<i>FLJ32658,DKKL1,TEAD2,CD37</i>
rs659555	19	91	A	-0.90	1.25E-05	12	<i>SLC6A16,CD37</i>	<i>FLJ32658,DKKL1,TEAD2,PTH2</i>
rs35270176	19	89	A	-1.27	1.73E-07	1	<i>LOC199800,CPT1C,PRMT1</i>	<i>AP2A1,SCAF1,IRF3,PRR12,RRAS,BCL2L12,TSKS,PRRG2</i>

Only SNPs with MAF <10% and imputation accuracy > 0.9 were tested. Age, sex, BMI (body mass index), collection year and ethnicity were used as covariates.