

SNP	Chr	N	A1	β	P	Rank	Genes (within 10kb)	Genes (within 100kb)
rs323937	1	94	A	-0.98	1.46E-05	17		
rs6682943	1	94	A	-0.98	1.56E-05	18		
rs1053413	2	94	G	1.31	5.22E-06	7.5	<i>SLC35F5</i>	<i>RABL2A,RPL23AP7</i>
rs12624301	2	94	G	1.31	5.22E-06	7.5	<i>SLC35F5</i>	<i>RABL2A</i>
rs4722321	7	91	A	1.08	1.59E-05	19		
rs11765705	7	94	A	1.42	6.77E-06	9	<i>POU6F2</i>	
rs834781	7	91	G	-0.99	7.26E-06	10		
rs834787	7	93	G	-1.19	9.61E-06	12		
rs2643268	8	81	G	-1.30	1.60E-05	20		
rs780159	10	94	A	1.30	1.41E-05	15	<i>ZMIZ1</i>	<i>LOC283050</i>
rs7120319	11	94	A	1.55	3.80E-06	4	<i>OR51B6,OR51B5</i>	<i>HBG1,HBBP1,OR51Q1,OR51I1, HBG2,OR51M1,OR51B2,HBE1,OR51B4</i>
rs12904003	15	94	G	0.96	2.19E-06	2		<i>MFGE8,ACAN,HAPLN3</i>
rs7164649	15	90	G	0.98	3.37E-06	3		<i>MFGE8,ACAN,HAPLN3</i>
rs7163586	15	90	G	-0.98	4.42E-06	6		<i>MFGE8,ACAN,HAPLN3</i>
rs12443377	15	84	G	-0.97	1.37E-05	14		<i>MFGE8,ACAN,HAPLN3</i>
rs12103697	17	94	A	1.39	7.87E-06	11	<i>SMTNL2</i>	<i>GGT6,MYBBP1A,ALOX15,SPNS2,PELP1</i>
rs894621	17	94	G	1.38	1.81E-06	1	<i>MSI2</i>	
rs13306374	18	85	G	0.97	1.23E-05	13	<i>GALR1</i>	
rs7276366	21	91	A	1.28	1.45E-05	16		
rs135195	22	75	G	-1.02	3.85E-06	5		

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