

Table S1 SNP associated with FPG, 2hPG, HbA1c and BMI from the genome-wide association study after imputation analysis for prediabetes

SNP	Chr (BP)	Gene	Minor/Major allele	MAF	$\beta$ (SE)	<i>p</i> Value
Dominant model						
2hPG associated						
rs9550371	13 (30690780)	USPL1, ALOX5AP	G/A	0.167	-1.149 (1.637)	3.88E-06
rs13052524	21 (34075614)	MRPS6, SLC5A3	A/T	0.061	-0.914 (1.635)	2.09E-06
rs62212118	21 (34093207)	MRPS6, SLC5A3	A/G	0.033	-0.927 (1.637)	4.03E-06
HbA1c associated						
rs142013708	1 (30115880)	LINC01648, MATN1	C/A	0.030	-1.341 (1.547)	3.20E-06
rs140071694	1 (30116213)	LINC01648, MATN1	C/T	0.030	-1.341 (1.547)	3.20E-06
rs150306839	1 (30116277)	LINC01648, MATN1	T/C	0.030	-1.341 (1.547)	3.20E-06
rs138084074	1 (30116278)	LINC01648, MATN1	G/A	0.030	-1.341 (1.547)	3.20E-06
rs142002616	1 (30116659)	LINC01648, MATN1	G/A	0.031	-1.357 (1.545)	1.60E-06
rs1371810	5 (34503247)	NONE, RAI14	T/C	0.347	-1.172 (1.547)	2.70E-06
rs1371809	5 (34503441)	NONE, RAI14	G/T	0.349	-1.156 (1.547)	2.59E-06
rs4146607	5 (34503676)	NONE, RAI14	C/A	0.349	-1.156 (1.547)	2.59E-06
rs4146606	5 (34503902)	NONE, RAI14	C/T	0.349	-1.156 (1.547)	2.59E-06
rs13157326	5 (34504172)	NONE, RAI14	A/G	0.349	-1.156 (1.547)	2.59E-06
rs6880621	5 (34504277)	NONE, RAI14	G/A	0.349	-1.162 (1.547)	2.49E-06
rs11745300	5 (34504563)	NONE, RAI14	G/C	0.349	-1.156 (1.547)	2.59E-06
BMI associated						
rs7624734	3 (39067012)	WDR48	A/G	0.340	-0.184 (1.471)	2.58E-06
rs11142842	9 (71478193)	TRPM3;TMEM2	G/A	0.306	-0.121 (1.465)	5.31E-07
rs1891298	9 (71479613)	TRPM3;TMEM2	A/G	0.310	-0.124 (1.469)	2.13E-06
rs1891299	9 (71479750)	TRPM3;TMEM2	G/T	0.310	-0.125 (1.469)	1.96E-06
rs11142843	9 (71479866)	TRPM3;TMEM2	A/T	0.310	-0.125 (1.469)	1.96E-06
Recessive model						

FPG associated							
rs4661250	1 (223225986)	SUSD4	G/A	0.204	-1.243 (0.843)	4.64E-06	
rs3095307	6 (31124272)	PSORS1C1	G/C	0.351	-1.304 (0.842)	2.92E-06	
rs3094203	6 (31124764)	PSORS1C1	A/G	0.351	-1.304 (0.842)	2.92E-06	
rs3094202	6 (31124770)	PSORS1C1	A/G	0.338	-1.313 (0.842)	4.31E-06	
rs3094201	6 (31124986)	PSORS1C1	A/G	0.352	-1.304 (0.842)	2.92E-06	
rs3095302	6 (31125289)	PSORS1C1	G/A	0.352	-1.304 (0.842)	2.92E-06	
rs3094200	6 (31125355)	PSORS1C1	A/G	0.352	-1.304 (0.842)	2.92E-06	
rs3094198	6 (31125550)	PSORS1C1	A/G	0.352	-1.304 (0.842)	2.92E-06	
rs3095301	6 (31125579)	PSORS1C1	T/C	0.338	-1.313 (0.842)	4.31E-06	
rs3131003	6 (31125705)	PSORS1C1	G/A	0.336	-1.313 (0.842)	4.31E-06	
2hPG associated							
rs201438706	4 (77421653)	CCNG2, CXCL13	T/A	0.301	-0.906 (1.635)	2.66E-06	
rs12649862	4 (77422666)	CCNG2, CXCL13	A/G	0.301	-0.906 (1.635)	2.66E-06	
rs41476645	4 (77423231)	CCNG2, CXCL13	T/G	0.301	-0.906 (1.635)	2.66E-06	
rs12647991	4 (77423575)	CCNG2, CXCL13	C/A	0.301	-0.906 (1.635)	2.66E-06	
rs12644845	4 (77423590)	CCNG2, CXCL13	T/C	0.301	-0.906 (1.635)	2.66E-06	
rs12648073	4 (77423855)	CCNG2, CXCL13	G/A	0.301	-0.906 (1.635)	2.66E-06	
rs12644936	4 (77423966)	CCNG2, CXCL13	T/C	0.301	-0.906 (1.635)	2.66E-06	
rs12504012	4 (77424479)	CCNG2, CXCL13	G/A	0.300	-0.906 (1.635)	2.66E-06	
rs34938732	4 (77424709)	CCNG2, CXCL13	A/G	0.302	-0.895 (1.634)	1.61E-06	
rs13119926	4 (77425298)	CCNG2, CXCL13	A/G	0.302	-0.895 (1.634)	1.61E-06	
HbA1c associated							
rs946911	14 (38039549)	LINC00517, SSTR1	C/T	0.200	-1.466 (1.544)	1.26E-06	
rs2415427	14 (38040029)	LINC00517, SSTR1	G/A	0.200	-1.466 (1.544)	1.26E-06	
BMI associated							
rs62006357	15 (80252110)	LINC01314	G/A	0.453	0.074 (1.471)	4.36E-06	
rs62008861	15 (80253711)	LINC01314;LINC00927	G/A	0.451	0.085 (1.47)	3.39E-06	

FPG: fasting plasma glucose, HbA1c: glycosylated hemoglobin, 2hPG: 2-hour postprandial glucose, BMI: body mass index.  
 $p < 5 \times 10^{-6}$