

Supplementary Table 1. Odds Ratios and Genetic Risk Scores of 18 SNPs Associated with T2D (N=6,045)

No.	SNP	Genotype	Total	Controls	Total T2D	OR	95% CI	<i>p</i>	HWE (<i>p</i>)
			(n=6045) N (%)	(n=3,538) N (%)	(n=2,507) N (%)				
1	rs831571	TT	862(14.3)	527(14.9)	335(13.4)	1.09	1.01-1.17	.032	.235
		TC	2,784(46.1)	1,641(46.4)	1,143(45.6)				
		CC	2,399(39.7)	1,370(38.7)	1,029(41.0)				
2	rs4402960	GG	3,073(50.8)	1,863(52.7)	1,210(48.3)	1.13	1.05-1.23	.002	.859
		GT	2,478(41.0)	1,396(39.5)	1,082(43.2)				
		TT	494(8.2)	279(7.9)	215(8.6)				
3	rs6815464	GG	902(14.9)	551(15.6)	351(14.0)	1.08	1.00-1.16	.048	.394
		GC	2,960(49.0)	1,738(49.1)	1,222(48.7)				
		CC	2,183(36.1)	1,249(35.3)	934(37.3)				
4	rs7756992	AA	1,248(20.6)	784(22.2)	464(18.5)	1.22	1.14-1.32	<.001	.308
		AG	2,954(48.9)	1,769(50.0)	1,185(47.3)				
		GG	1,843(30.5)	985(27.8)	858(34.2)				
5	rs6467136	AA	319(5.3)	201(5.7)	118(4.7)	1.06	0.98-1.16	.166	.031
		AG	2,269(37.5)	1,331(37.6)	938(37.4)				
		GG	3,457(57.2)	2,006(56.7)	1,451(57.9)				
6	rs791595	GG	4,698(77.7)	2,743(77.5)	1,955(78.0)	1.00	0.89-1.12	.963	.602
		GA	1,267(21.0)	754(21.3)	513(20.5)				
		AA	80(1.3)	41(1.2)	39(1.6)				
7	rs3802177	AA	996(16.5)	601(17.0)	395(15.8)	1.10	1.02-1.19	.011	.263
		AG	2,967(49.1)	1,768(50.0)	1,199(47.8)				
		GG	2,082(34.4)	1,169(33.0)	913(36.4)				
8	rs10811661	CC	3,491(57.8)	2,051(58.0)	1,440(57.4)	1.03	0.94-1.12	.526	.002
		CT	2,261(37.4)	1,322(37.4)	939(37.5)				
		TT	293(4.8)	165(4.7)	128(5.1)				
9	rs11257655	CC	1,628(26.9)	988(27.9)	640(25.5)	1.05	0.97-1.15	.243	<.001
		CT	3,814(63.1)	2,188(61.8)	1,626(64.9)				

		TT	603(10.0)	362(10.2)	241(9.6)				
10	rs1111875	TT	2,759(45.6)	1,684(47.6)	1,075(42.9)	1.16	1.07-1.25	<.001	.117
		TC	2,689(44.5)	1,528(43.2)	1,161(46.3)				
		CC	597(9.9)	326(9.2)	271(10.8)				
11	rs163184	TT	2,003(33.1)	1,237(35.0)	766(30.6)	1.20	1.11-1.29	<.001	.351
		TG	2,984(49.4)	1,744(49.3)	1,240(49.5)				
		GG	1,058(17.5)	557(15.7)	501(20.0)				
12	rs5215	TT	2,261(37.4)	1,361(38.5)	900(35.9)	1.12	1.04-1.20	.003	.973
		TC	2,873(47.5)	1,684(47.6)	1,189(47.4)				
		CC	911(15.1)	493(13.9)	418(16.7)				
13	rs1552224	CC	22(.4)	18(.5)	4(.2)	1.15	0.99-1.34	.065	.729
		CA	711(11.8)	430(12.2)	281(11.2)				
		AA	5,312(87.9)	3,090(87.3)	2,222(88.6)				
14	rs10830963	CC	1,986(32.9)	1,202(34.0)	784(31.3)	1.10	1.02-1.19	.010	.393
		CG	2,986(49.4)	1,737(49.1)	1,249(49.8)				
		GG	1,073(17.8)	599(16.9)	474(18.9)				
15	rs7403531	CC	2,005(33.2)	1,188(33.6)	817(32.6)	1.03	0.95-1.04	.497	.443
		CT	2,978(49.3)	1,732(49.0)	1,246(49.7)				
		TT	1,062(17.6)	618(17.5)	444(17.7)				
16	rs12970134	GG	3,860(63.9)	2,272(64.2)	1,588(63.3)	1.07	0.98-1.17	.157	.566
		GA	1,932(32.0)	1,136(32.1)	796(31.8)				
		AA	253(4.2)	130(3.7)	123(4.9)				
17	rs3786897	GG	1,093(18.1)	672(19.0)	421(16.8)	1.09	1.02-1.18	.018	.444
		GA	2,989(49.4)	1,748(49.4)	1,241(49.5)				
		AA	1,963(32.5)	1,118(31.6)	845(33.7)				
18	rs4812829	GG	1,761(29.1)	1,092(30.9)	669(26.7)	1.11	1.03-1.20	.005	.256
		GA	3,118(51.6)	1,777(50.2)	1,341(53.5)				
		AA	1,166(19.3)	669(18.9)	497(19.8)				

Sum score of 11 significant SNPs

	Mean ± SD	Mean ± SD	Mean ± SD	t	p
Genetic risk score	10.47±2.25	10.22±2.17	10.83±2.31	-10.44	<.001

CI=confidence interval; HWE=Hardy-Weinberg equilibrium test; OR=odds ratio; SD=standard deviation; SNP=single-nucleotide polymorphism; T2D=type 2 diabetes mellitus.