

**Supplementary Table 1 Characteristics of the single nucleotide polymorphisms associated with education and type 2 diabetes mellitus**

SNP	EA	EAF	Associations with education			Associations with T2DM		
			Beta	SE	<i>P</i>	Beta	SE	<i>P</i>
rs1008078	T	0.3731	-0.016	0.003	7.88E-11	0.014607785	0.012114459	0.227878
rs111321694	T	0.1828	-0.018	0.003	4.23E-08	0.025637532	0.016298642	0.11571
rs12900061	A	0.1623	0.021	0.003	2.46E-10	-0.008024107	0.016369624	0.624027
rs12987662	A	0.3787	0.022	0.003	3.25E-18	-0.027175944	0.011781947	0.021098
rs1396967	T	0.6063	-0.015	0.003	2.90E-09	-0.003034392	0.012098829	0.801974
rs16845580	T	0.6306	0.016	0.003	2.07E-10	-0.022103899	0.012349784	0.073482
rs2456973	A	0.6791	-0.018	0.003	1.58E-12	0.007908187	0.015161603	0.601976
rs28792186	T	0.6045	-0.025	0.003	6.41E-22	0.021481075	0.011927424	0.071705
rs4493682	C	0.2034	0.019	0.003	2.27E-08	0.026469569	0.015965507	0.097329
rs4800490	A	0.5429	-0.015	0.002	2.13E-09	0.027706299	0.011976448	0.020723
rs538628	C	0.2444	-0.018	0.003	2.16E-08	0.004040825	0.014516043	0.780733
rs58694847	C	0.3097	-0.018	0.003	7.41E-11	0.008762497	0.012982037	0.499699
rs62263923	A	0.6437	-0.016	0.003	1.63E-09	0.018668171	0.015127617	0.217149
rs6839705	A	0.3601	0.017	0.003	1.72E-11	0.013173843	0.012472379	0.29084
rs766406	T	0.6194	0.014	0.003	1.89E-08	-0.015003877	0.012548309	0.231809

rs7757476	A	0.2313	0.02	0.003	9.37E-10	0.001192289	0.016005576	0.940589
rs7948975	T	0.6586	0.014	0.003	3.83E-08	-0.033372879	0.015186892	0.028007
rs8049439	T	0.6549	0.015	0.003	2.69E-09	-0.020658144	0.011898752	0.082537
rs9527702	A	0.7631	0.023	0.003	4.99E-17	-0.008119944	0.013384994	0.544128
rs9739070	A	0.2295	0.024	0.003	3.95E-16	-0.05893505	0.014723105	6.32E-05
rs10740118	C	0.431	0.022	0.004	4.51E-09	0.007533551	0.012114387	0.534035
rs1572198	T	0.2239	-0.023	0.004	2.87E-08	0.007539506	0.013907305	0.587767
rs62263923	A	0.6437	-0.021	0.004	4.42E-08	0.018668171	0.015127617	0.217149
rs9739070	A	0.2295	0.025	0.004	1.68E-08	-0.05893505	0.014723105	6.32E-05
rs4732129	T	0.6754	0.019	0.004	2.96E-08	-0.021131156	0.012572549	0.092819
rs6839705	A	0.3601	0.02	0.003	1.44E-08	0.013173843	0.012472379	0.29084
rs795980	A	0.6679	-0.023	0.004	1.40E-10	-0.000722739	0.012824072	0.955061
rs9527702	A	0.7631	0.026	0.004	1.03E-12	-0.008119944	0.013384994	0.544128

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EA: Effect allele; EAF: Effect allele frequency; SNP: Single-nucleotide polymorphism; T2DM: Type 2 diabetes mellitus.