

ESM Table 4. Quality control of the genotyping results in stage 2.

Chr	dbSNP ID	Gene	Minor / Major allele	Frequencies of minor allele for T2D in Chinese			Hong Kong replication 1 <u>Case-control study</u>			Shanghai replication 1 <u>Case-control study</u>			Hong Kong replication 2 <u>Family study</u>			Shanghai replication 2 <u>Family study</u>		
				HapMap CEU	HapMap CHB	SNP call rate	MAF in control	HWE $P_{control}$	SNP call rate	MAF in control	HWE $P_{control}$	SNP call rate	HWE $P_{founder}$	Mendel error	SNP call rate	HWE $P_{founder}$	Mendel error	
7	rs10229583	<i>PAX4</i>	A/G	0.261	0.202	0.996	0.170	0.3501	0.972	0.175	0.5036	0.990	0.0279	1	0.985	0.8633	0	
8	rs2721960	<i>TRPS1</i>	T/C	0.347	0.356	0.899	0.356	0.0656	0.965	0.362	0.4052	--	--	--	--	--	--	
8	rs2737250	<i>TRPS1</i>	G/A	0.308	0.339	0.943	0.380	0.0808	0.976	0.379	0.4339	0.985	0.8557	1	0.845	0.3024	0	
10	rs3858158	<i>COL13A1</i>	C/T	--	--	0.965	0.479	0.3148	0.975	0.439	0.8454	--	--	--	--	--	--	
10	rs2395272	<i>COL13A1</i>	A/G	--	--	0.959	0.466	0.0521	0.942	0.416	0.7150	--	--	--	--	--	--	
10	rs57703465	<i>COL13A1</i>	T/C	--	--	0.912	0.338	0.1079	0.974	0.344	0.9153	--	--	--	--	--	--	
12	rs11065441	<i>P2RX7</i>	C/T	0.062	0.244	0.893	0.276	0.9092	0.971	0.267	0.3252	--	--	--	--	--	--	
12	rs684201	<i>P2RX7</i>	A/G	0.070	0.244	0.944	0.274	0.2899	0.974	0.261	0.3832	--	--	--	--	--	--	
12	rs11065450	<i>P2RX7</i>	A/C	0.239	0.262	0.938	0.312	0.3192	0.970	0.293	0.6150	--	--	--	--	--	--	
12	rs208290	<i>P2RX7</i>	T/C	0.336	0.321	0.905	0.391	0.9262	0.971	0.355	0.7000	--	--	--	--	--	--	
12	rs10849851	<i>P2RX7</i>	G/A	0.062	0.244	0.943	0.280	0.6369	0.977	0.259	1.0000	--	--	--	--	--	--	