

Table S2 Variant- and study-specific break-down of *TM2D3*, *SKAP2*, and *APOE* results

Gene	SNP	SKAT	AF	Annotation	META			AGES		CHS		FHS		RS	
		(%) ^a	(%)		p	beta	se	beta	se	beta	se	beta	se	Beta	se
<i>TM2D3</i>	rs80221524	0.00	0.00	NS											
<i>TM2D3</i>	rs139709573	91.18	0.15	NS	2.02e-06	4.09	0.86	5.09	0.94			-1.15	2.14		
<i>TM2D3</i>	rs145296809	0.00	0.00	NS											
<i>TM2D3</i>	rs151143463	0.00	0.00	NS											
<i>TM2D3</i>	rs150334018	8.76	0.08	NS	0.159	-1.18	0.84	-1.07	2.43	-1.20	1.37	-1.08	2.31	-1.23	1.37
<i>TM2D3</i>	rs146538174	0.03	0.01	NS	0.733	-1.12	3.28			-1.12	3.28				
<i>TM2D3</i>	rs181135440	0.02	0.01	NS	0.76	-1.09	3.58							-1.09	3.58
<i>TM2D3</i>	rs148089973	0.00	0.00	NS											
<i>TM2D3</i>	rs184326854	0.00	0.00	NS											
<i>SKAP2</i>	rs7804356	0.00	25.15	intronic	0.752	-0.02	0.05	-0.03	0.14	0.09	0.08	-0.07	0.12	-0.10	0.09
<i>SKAP2</i>	rs199915571	0.00	0.00	NS											
<i>SKAP2</i>	rs200813179	0.00	0.00	NS											
<i>SKAP2</i>	rs17154402	99.84	0.03	NS	2.12e-07	5.51	1.06			6.16	1.57	5.53	2.60	4.69	1.74
<i>SKAP2</i>	rs1129771	0.00	8.89	NS	0.305	-0.08	0.08	-0.13	0.21	-0.18	0.13	-0.05	0.17	0.04	0.14
<i>SKAP2</i>	rs147926422	0.00	0.00	NS											
<i>SKAP2</i>	rs145659190	0.08	0.01	NS	0.685	-1.17	2.88			-1.17	2.88				
<i>SKAP2</i>	rs137938529	0.08	0.02	NS	0.862	0.22	1.29			-1.14	3.04			0.52	1.42
<i>APOE</i>	rs769449	0.00	11.29	intronic	5.82e-38	0.92	0.07	0.98	0.20	0.74	0.12	1.23	0.19	0.94	0.11
<i>APOE</i>	rs769452	90.52	0.34	NS	0.801	0.09	0.37	-0.13	0.98	0.39	0.65	0.02	1.13	-0.04	0.57
<i>APOE</i>	rs769455	3.22	0.01	NS	0.722	-1.07	3.00					-1.07	3.00		
<i>APOE</i>	exm1479365	6.26	0.01	NS	0.656	-1.20	2.69			-1.20	2.69				
<i>APOE</i>	rs7412	0.00	7.38	NS	0.000732	-0.34	0.10	-0.17	0.26			-0.27	0.20	-0.42	0.13
<i>APOE</i>	exm1479367	0.00	0.00	NS											

a % contribution to the set-based SKAT statistic.

b NS = non-synonymous