

ONLINE APPENDIX

Table 1. Summary of associations for *ELMO1* SNPs in the GoKinD collection

SNP	Position	Minor allele	Major allele	Minor allele frequency in controls	Minor allele frequency in cases	<i>P</i> -value	OR (95% CI)	Q	<i>r</i> ²
rs10277512	36,814,816	A	T	0.12	0.12	0.87	0.98 (0.80-1.21)	---	---
rs4720221	36,816,938	G	C	0.13	0.12	0.53	0.94 (0.77-1.15)	---	---
rs7787226	36,817,679	T	G	0.33	0.31	0.23	0.91 (0.79-1.06)	---	---
rs17329536	36,817,819	C	T	0.11	0.11	0.78	1.03 (0.83-1.28)	---	---
rs10951500	36,817,951	A	G	0.48	0.51	0.06	1.14 (1.00-1.31)	---	---
rs10274668	36,817,971	C	T	0.33	0.31	0.24	0.92 (0.79-1.06)	---	---
rs10255208	36,825,168	A	G	0.51	0.47	0.04	0.87 (0.76-0.99)	---	---
rs2006882	36,837,726	C	T	0.32	0.30	0.32	0.93 (0.80-1.07)	---	---
rs2392472	36,837,975	G	A	0.46	0.43	0.06	0.88 (0.77-1.01)	---	---
rs17330433	36,838,074	T	C	0.14	0.13	0.25	0.89 (0.73-1.09)	---	---
rs756507	36,844,270	T	C	0.13	0.13	0.99	1.00 (0.82-1.22)	---	---
rs2241152	36,858,933	T	C	0.13	0.12	0.64	0.95 (0.78-1.17)	---	---
rs7804092	36,859,757	A	T	0.17	0.16	0.38	0.92 (0.77-1.11)	1	0.99
rs7785934	36,868,104	C	T	0.43	0.48	4.4x10 ⁻⁰³	1.22 (1.06-1.40)	---	---
rs7782979	36,871,575	C	A	0.52	0.48	0.02	0.85 (0.74-0.97)	---	---
rs17170755	36,875,407	C	T	0.12	0.11	0.44	0.92 (0.74-1.14)	---	---
rs1558688	36,881,710	T	C	0.33	0.31	0.13	0.89 (0.77-1.03)	0.98	0.97
rs741301	36,884,520	C	T	0.35	0.32	0.06	0.87 (0.76-1.01)	0.99	0.98
rs741302	36,885,007	A	G	0.14	0.13	0.22	0.88 (0.73-1.08)	---	---
rs2041801	36,893,366	G	A	0.48	0.44	5.6x10 ⁻⁰³	0.83 (0.72-0.95)	---	---
rs7799004	36,895,489	C	T	0.21	0.18	0.02	0.81 (0.69-0.97)	0.99	0.98
rs998375	36,897,763	C	T	0.16	0.16	0.94	0.99 (0.82-1.20)	---	---
rs17392096	36,901,454	G	A	0.16	0.16	0.89	1.01 (0.84-1.22)	---	---
rs6966276	36,902,568	C	G	0.43	0.40	0.09	0.89 (0.77-1.02)	---	---
rs4723590	36,903,969	G	A	0.20	0.18	0.31	0.91 (0.77-1.09)	---	---
rs4723591	36,904,140	C	G	0.16	0.15	0.50	0.94 (0.78-1.13)	---	---
rs4723592	36,907,946	T	C	0.13	0.12	0.34	0.91 (0.74-1.11)	---	---
rs10488021	36,908,749	G	A	0.16	0.16	0.85	0.98 (0.82-1.18)	---	---
rs11769038	36,909,839	G	T	0.49	0.44	1.7x10 ⁻⁰³	0.80 (0.70-0.92)	---	---

rs11983698	36,915,072	C	T	0.17	0.15	0.25	0.90 (0.75-1.08)	0.98	0.96
rs4723596	36,917,569	C	T	0.16	0.15	0.51	0.94 (0.78-1.13)	0.99	0.97
rs4723598	36,919,721	A	G	0.16	0.15	0.44	0.93 (0.77-1.12)	---	---
rs1882080	36,922,366	G	A	0.48	0.44	3.2×10^{-03}	0.82 (0.71-0.93)	---	---
rs1986619	36,933,441	C	T	0.10	0.09	0.19	0.86 (0.68-1.08)	---	---
rs10268319	36,937,360	T	C	0.47	0.43	0.03	0.86 (0.75-0.98)	---	---
rs17170799	36,946,401	C	T	0.05	0.05	0.92	0.99 (0.73-1.33)	---	---
rs6957979	36,949,008	A	G	0.23	0.21	0.15	0.89 (0.76-1.05)	---	---
rs2293628	36,962,868	A	G	0.12	0.13	0.89	1.02 (0.83-1.25)	---	---
rs17334729	36,978,413	C	G	0.10	0.10	0.88	1.02 (0.81-1.28)	---	---
rs999744	36,998,372	G	A	0.17	0.17	0.81	1.02 (0.85-1.23)	---	---
rs17170830	37,016,109	G	A	0.19	0.19	0.62	1.05 (0.88-1.24)	---	---
rs10488031	37,043,379	A	G	0.07	0.08	0.50	1.09 (0.84-1.42)	---	---
rs1364373	37,057,254	C	T	0.18	0.18	0.76	1.03 (0.86-1.22)	---	---
rs7785575	37,064,001	C	T	0.08	0.10	0.22	1.16 (0.92-1.47)	---	---
rs13233995	37,074,629	C	A	0.18	0.19	0.54	1.06 (0.89-1.26)	---	---
rs1559463	37,095,220	T	C	0.17	0.18	0.29	1.10 (0.92-1.32)	---	---
rs12701545	37,096,097	T	C	0.13	0.14	0.44	1.08 (0.89-1.32)	---	---
rs6957997	37,102,004	A	C	0.12	0.12	0.86	1.02 (0.83-1.26)	---	---
rs6971267	37,109,212	A	G	0.13	0.12	0.54	0.94 (0.76-1.15)	---	---
rs7809487	37,110,591	A	G	0.17	0.17	0.78	0.98 (0.81-1.17)	---	---
rs1035582	37,119,277	A	G	0.06	0.06	0.98	1.00 (0.76-1.33)	---	---
rs2541103	37,122,872	A	G	0.06	0.06	0.98	1.00 (0.76-1.33)	---	---
rs2541074	37,133,412	T	G	0.16	0.16	0.66	0.96 (0.80-1.15)	---	---
rs2541075	37,133,679	T	C	0.06	0.06	0.97	1.00 (0.75-1.32)	---	---
rs2551069	37,135,756	G	A	0.16	0.16	0.66	0.96 (0.80-1.15)	---	---
rs1420421	37,139,573	C	T	0.16	0.16	0.62	0.95 (0.79-1.15)	---	---
rs6958656	37,149,358	C	T	0.07	0.07	0.92	1.02 (0.77-1.33)	---	---
rs10257460	37,151,960	A	G	0.17	0.16	0.75	0.97 (0.81-1.17)	---	---
rs1345365	37,167,138	G	A	0.22	0.23	0.46	1.06 (0.90-1.25)	0.8	0.58
rs1981740	37,178,829	C	A	0.11	0.11	0.97	1.00 (0.81-1.25)	0.86	0.55
rs10951509	37,180,008	G	A	0.16	0.18	0.14	1.14 (0.96-1.37)	0.83	0.58
rs1420422	37,186,278	A	G	0.14	0.16	0.17	1.14 (0.95-1.38)	---	---
rs2058730	37,201,281	T	C	0.38	0.38	0.94	1.01 (0.87-1.16)	0.98	0.97
rs10224438	37,203,106	G	A	0.26	0.25	0.44	0.94 (0.81-1.10)	---	---
rs6967358	37,221,196	T	C	0.26	0.25	0.44	0.94 (0.81-1.10)	---	---
rs6967403	37,221,332	G	A	0.26	0.25	0.45	0.94 (0.81-1.10)	---	---

rs10279544	37,225,237	G	C	0.26	0.25	0.44	0.94 (0.81-1.10)	---	---
rs17170955	37,245,875	T	C	0.05	0.06	0.09	1.29 (0.96-1.73)	---	---
rs2723969	37,255,289	G	A	0.28	0.27	0.22	0.91 (0.78-1.06)	---	---
rs6944921	37,259,984	G	A	0.32	0.30	0.21	0.91 (0.79-1.05)	---	---
rs6462746	37,260,060	G	A	0.32	0.30	0.21	0.91 (0.79-1.05)	---	---
rs6954574	37,261,205	G	A	0.33	0.31	0.33	0.93 (0.81-1.08)	---	---
rs1016321	37,261,640	T	C	0.32	0.30	0.22	0.91 (0.79-1.06)	---	---
rs2717972	37,270,120	G	A	0.32	0.31	0.50	0.95 (0.82-1.10)	0.92	0.86
rs4723631	37,272,052	T	C	0.42	0.40	0.49	0.95 (0.83-1.09)	---	---
rs2717975	37,281,717	T	G	0.49	0.49	0.90	0.99 (0.87-1.14)	---	---
rs10238916	37,282,375	G	A	0.42	0.41	0.42	0.94 (0.82-1.08)	---	---
rs2723952	37,283,012	T	G	0.49	0.49	0.94	0.99 (0.87-1.14)	---	---
rs2724006	37,300,261	T	C	0.46	0.47	0.97	1.00 (0.88-1.15)	---	---
rs2717990	37,303,546	T	C	0.46	0.47	0.97	1.00 (0.88-1.15)	---	---
rs2724007	37,308,131	C	T	0.06	0.05	0.94	0.99 (0.74-1.33)	---	---
rs2717992	37,308,775	A	T	0.46	0.47	0.91	1.01 (0.88-1.15)	---	---
rs2723996	37,310,894	T	C	0.49	0.48	0.47	0.95 (0.83-1.09)	---	---
rs9655380	37,313,843	C	T	0.44	0.42	0.37	0.94 (0.82-1.08)	---	---
rs2701003	37,314,747	C	T	0.46	0.47	0.90	1.01 (0.88-1.16)	---	---
rs2717993	37,318,032	A	C	0.49	0.49	0.83	1.02 (0.89-1.16)	---	---
rs11973001	37,323,478	T	C	0.24	0.24	0.89	0.99 (0.84-1.16)	---	---
rs2724003	37,324,120	G	A	0.18	0.16	0.08	0.85 (0.71-1.02)	---	---
rs2723980	37,331,947	A	G	0.17	0.18	0.86	1.02 (0.85-1.21)	---	---
rs2723990	37,344,761	T	C	0.45	0.44	0.45	0.95 (0.83-1.09)	---	---
rs2717948	37,344,994	C	G	0.05	0.05	0.66	0.93 (0.67-1.28)	---	---
rs6462758	37,352,797	C	T	0.49	0.49	0.73	1.02 (0.89-1.17)	---	---
rs2724016	37,356,501	T	C	0.05	0.05	0.86	1.03 (0.75-1.42)	---	---
rs1882079	37,357,791	C	T	0.47	0.48	0.53	1.04 (0.91-1.20)	---	---
rs13247953	37,363,787	T	C	0.13	0.12	0.62	0.95 (0.77-1.17)	---	---
rs9969311	37,381,582	A	G	0.13	0.12	0.62	0.95 (0.77-1.17)	0.97	0.89
rs12532031	37,393,277	T	G	0.34	0.33	0.48	0.95 (0.82-1.10)	---	---
rs2724000	37,399,229	T	C	0.11	0.11	0.97	1.00 (0.81-1.25)	---	---
rs2701010	37,400,450	A	G	0.11	0.11	0.93	1.01 (0.81-1.25)	---	---
rs6947334	37,401,031	C	T	0.11	0.11	0.93	1.01 (0.81-1.25)	---	---
rs4720246	37,402,913	G	A	0.17	0.16	0.35	0.92 (0.76-1.10)	---	---
rs7782999	37,413,218	T	A	0.20	0.19	0.62	0.96 (0.81-1.14)	---	---
rs10282309	37,421,235	T	C	0.21	0.19	0.53	0.95 (0.80-1.12)	---	---

rs10239693	37,421,790	C	T	0.21	0.19	0.55	0.95 (0.80-1.13)	---	---
rs10224389	37,421,806	A	G	0.21	0.20	0.61	0.96 (0.81-1.13)	---	---
rs17261508	37,424,458	C	A	0.20	0.20	0.69	0.97 (0.82-1.14)	---	---
rs10267165	37,433,495	C	T	0.40	0.41	0.40	1.06 (0.92-1.22)	---	---
rs918979	37,436,809	T	G	0.45	0.43	0.37	0.94 (0.82-1.08)	---	---
rs7777258	37,438,649	C	T	0.25	0.23	0.16	0.89 (0.76-1.05)	---	---
rs11767227	37,439,323	G	C	0.26	0.23	0.17	0.90 (0.76-1.05)	---	---
rs1647791	37,439,596	A	G	0.40	0.39	0.80	0.98 (0.86-1.13)	---	---
rs1732001	37,441,949	T	C	0.39	0.38	0.60	0.96 (0.84-1.11)	---	---
rs17171045	37,442,954	C	G	0.19	0.19	0.84	1.02 (0.86-1.21)	---	---
rs1647786	37,449,605	C	G	0.16	0.17	0.61	1.05 (0.87-1.26)	---	---
rs9655382	37,449,700	T	C	0.23	0.22	0.82	0.98 (0.84-1.15)	---	---
rs6952260	37,453,002	A	T	0.25	0.24	0.92	0.99 (0.85-1.16)	---	---
rs4142165	37,482,590	A	T	0.48	0.47	0.50	0.95 (0.83-1.09)	---	---
rs3928422	37,495,022	A	G	0.48	0.47	0.47	0.95 (0.83-1.09)	---	---

Minor allele frequencies, along with *P*-values and odds ratios (ORs), calculated using stratified additive tests of association using the Cochran-Mantel-Haenszel method (adjusting for both gender and JDC/GWU strata), are presented for all cases versus controls. Imputed SNPs are indicated in **bold**, along with their imputation quality score (Q) and r^2 value. SNP positions are in reference to NCBI Build 36.1.

Table 2. Comparison of genotype distributions of rs1558688, rs741301, and rs7799004 in the Shimazaki et al. study (10) and the GoKinD collection

SNP	Genotype distribution (%)		
<i>Shimazaki et al.</i> , Japanese, type 2 diabetes, diabetic nephropathy (10)			
rs1558688	CC	CT	TT
Controls	182 (42.9)	215 (50.7)	27 (6.4)
Cases	239 (37.6)	306 (48.1)	91 (14.3)
rs741301	TT	TC	CC
Controls	178 (41.8)	221 (51.9)	27 (6.3)
Cases	244 (37.7)	304 (47.0)	99 (15.3)
rs7799004	TT	TC	CC
Controls	212 (49.9)	197 (46.3)	16 (3.8)
Cases	286 (45.1)	278 (43.9)	69 (10.9)
GoKinD collection			
rs1558688	CC	CT	TT
Controls	409 (46.2)	365 (41.2)	111 (12.5)
Cases	391 (47.7)	353 (43.0)	76 (9.3)
rs741301	TT	TC	CC
Controls	385 (43.5)	379 (42.8)	121 (13.7)
Cases	376 (45.9)	360 (43.9)	84 (10.2)
rs7799004	TT	TC	CC
Controls	550 (62.1)	296 (33.4)	39 (4.4)
Cases	545 (66.5)	253 (30.9)	22 (2.7)