

**Supplementary Table S4. The top SNPs for the GWAS on the phenotypes of DM (regardless of visual acuity, 1,240 cases) against the controls (1,374 samples).**

Chromosome	SNP	Positions	Test	NMISS	OR	SE	L95	U95	<i>P</i>
1	rs3818329	192627760	ADD	2324	1.865	0.1202	1.474	2.361	2.12x10 <sup>-7</sup>
3	rs12629668	147209179	ADD	2061	1.397	0.06611	1.228	1.591	4.15x10 <sup>-7</sup>
6	rs117482282	165511471	ADD	2361	3.079	0.2224	1.991	4.762	4.27x10 <sup>-7</sup>
13	rs1149833	50750876	ADD	2557	0.747	0.05813	0.6666	0.8372	5.23x10 <sup>-7</sup>
2	rs1406230	29583321	ADD	1943	0.6923	0.07334	0.5996	0.7994	5.35x10 <sup>-7</sup>
1	rs2296022	192627124	ADD	2324	1.799	0.1183	1.427	2.269	6.92x10 <sup>-7</sup>
16	rs35498131	9120809	ADD	1493	0.5596	0.117	0.445	0.7038	6.94x10 <sup>-7</sup>
7	rs140306040	62321151	ADD	2171	0.509	0.1365	0.3895	0.6651	7.47x10 <sup>-7</sup>
7	rs73121760	62313911	ADD	2155	0.5131	0.135	0.3938	0.6685	7.71x10 <sup>-7</sup>
16	rs34300094	9120719	ADD	1487	0.5589	0.1184	0.4431	0.7049	8.98x10 <sup>-7</sup>
2	rs34954281	152225877	ADD	2021	0.6739	0.08045	0.5756	0.789	9.34x10 <sup>-7</sup>

SNP: single nucleotide polymorphism

NMISS: number of individuals for the logistic regression analysis of a specific SNP

OR: odds ratio

SE: standard error

ADD: additive model