

Supplementary Table 1. Primary open-angle glaucoma (POAG) associated single nucleotide polymorphisms (SNPs) used to construct genetic risk scores. Effect sizes (β) and corresponding p-values were obtained from genome-wide association study summary statistics for POAG cases vs. controls.¹

TXNRD2

SNP rsID	Effect Size (β)	Standard Error	p-value
rs11705143	0.211	0.066	1.3E-3
rs3788304	0.097	0.043	2.3E-2
rs737855	0.115	0.040	4.4E-3
rs58210408	0.217	0.064	7.0E-4
rs113206516	0.126	0.057	2.6E-2
rs11913319	0.082	0.037	2.6E-2
rs35934224	0.239	0.049	1.4E-6
rs9606171	0.134	0.066	4.3E-2
rs1015471	0.098	0.038	9.7E-3
rs35681796	0.246	0.084	3.3E-3
rs1005873	0.150	0.053	4.9E-3
rs2073771	0.108	0.036	2.6E-3
rs4819850	0.077	0.034	2.3E-2
rs13057265	0.110	0.050	2.8E-2
rs12484727	0.176	0.082	3.3E-2
rs7289747	0.225	0.094	1.7E-2
rs9606181	0.119	0.051	2.0E-2
rs4333017	0.133	0.051	9.0E-3
rs1110479	0.206	0.079	9.0E-3
rs887200	0.106	0.051	3.9E-2

ME3

SNP rsID	Effect Size (β)	Standard Error	p-value
rs9645703	0.084	0.040	3.7E-2
rs7103271	0.106	0.042	1.2E-2
rs1824279	0.076	0.035	3.1E-2
rs183968995	0.161	0.064	1.2E-2
rs10898501	0.101	0.035	3.6E-3
rs7109521	0.079	0.037	3.3E-2
rs7109555	0.142	0.044	1.1E-3
rs949349	0.118	0.039	2.4E-3
rs11234705	0.096	0.035	5.7E-3
rs2051433	0.118	0.058	4.3E-2
rs12285344	0.114	0.049	1.9E-2
rs10792865	0.161	0.056	3.9E-3
rs17757676	0.096	0.035	6.2E-3
rs1938923	0.087	0.042	3.8E-2
rs56140354	0.128	0.044	3.9E-3
rs659301	0.193	0.062	1.8E-3
rs9943610	0.107	0.043	1.4E-2
rs528948	0.086	0.035	1.4E-2
rs575468	0.114	0.036	1.3E-3
rs7948924	0.131	0.043	2.5E-3
rs34227026	0.099	0.050	4.8E-2
rs1938930	0.080	0.036	2.7E-2
rs2512988	0.074	0.034	3.1E-2
rs6592313	0.089	0.042	3.4E-2

References

1. Bailey JN, Loomis SJ, Kang JH, et al. Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. *Nat Genet.* 2016;48(2):189-194.