

## Supplementary Materials

**Table S1:** Country of origin and sample size of AGA case-control data sets used within this study.

Study	Country of origin	Sample size	
		Cases	Controls
Replication I	Germany	177	272*
Replication II	USA	2,582	2,389
MAAN- meta-analysis	Australia, Germany, Greece, Iceland, Netherlands, Switzerland, USA	3,891	8,915
<b>combined</b>		<b>6,650</b>	<b>11,576</b>

\* supercontrols (men >60 years, no signs of AGA)

**Table S2:** Minor allele frequencies for the 24 SNPs analyzed in the replication study.

Genomic region	SNP <sup>1</sup>	Position <sup>2</sup>	OA <sup>3</sup> /EA <sup>4</sup>	Minor allele	Minor allele frequency					
					Meta-analysis		Replication I		Replication II	
					Cases (N=3,891)	Cases (N=8,915)	Cases (N=177)	Cases (N=272)	Cases (N=2,582)	Cases (N=2,389)
1q24.2	rs928462	170,290,129	C/T	C	0.19	0.21	0.16	0.20	0.18	0.18
	rs11589761	170,771,349	A/G	G	0.20	0.16	-	-	0.17	0.17
2q35	rs10193725	219,726,498	C/T	C	0.23	0.21	0.23	0.19	0.22	0.20
	rs7349332	219,756,383	C/T	T	0.25	0.16	0.18	0.11	0.30	0.23
3q25.1	rs7648585	151,639,765	A/G	G	0.40	0.37	0.37	0.36	0.39	0.36
	rs4679955	151,653,368	A/T	T	0.43	0.41	0.41	0.41	0.43	0.39
4p15.33	rs7699705	11,467,103	A/G	A	0.33	0.35	0.40	0.39	0.35	0.34
	rs7676958	11,467,552	A/C	C	0.31	0.33	-	-	0.33	0.33
5q33.3	rs929626	158,310,631	A/G	G	0.44	0.47	0.42	0.46	0.44	0.49
	rs1081073	158,381,512	A/T	A	0.44	0.45	0.44	0.48	0.46	0.51
7p22.1	rs2024122	7,261,751	A/G	A	0.31	0.36	0.34	0.34	0.37	0.37
	rs3807862	7,277,807	A/G	G	0.36	0.39	0.36	0.38	0.38	0.38
8p11.21	rs10958705	41,854,101	A/G	A	0.35	0.38	0.37	0.35	0.36	0.37
	rs13257590	41,878,091	C/T	T	0.35	0.38	0.36	0.34	0.37	0.37
10p13	rs1008733	14,042,814	A/G	G	0.28	0.29	0.24	0.30	0.29	0.32
	rs1001201	14,043,452	G/T	G	0.29	0.29	0.25	0.30	0.29	0.32
12p12.1	rs9668810	26,426,420	C/T	T	0.28	0.25	0.31	0.23	0.28	0.25
	rs7975017	26,428,793	C/T	T	0.26	0.23	0.25	0.19	0.24	0.21
12q14.2	rs342150	63,157,591	C/T	T	0.38	0.37	0.37	0.36	0.37	0.38
	rs342151	63,157,618	A/T	T	0.44	0.39	-	-	0.43	0.43
12q24.33	rs864327	130,567,756	A/C	A	0.13	0.14	0.13	0.14	0.13	0.15
	rs745077	130,568,656	A/G	A	0.11	0.13	0.13	0.14	0.13	0.15
19p13.3	rs1008076	3,968,605	G/T	T	0.43	0.39	0.38	0.44	0.40	0.41
	rs2304194	3,969,505	A/G	G	0.36	0.38	0.38	0.44	0.40	0.41

<sup>1</sup>single nucleotide polymorphism, <sup>2</sup>according to GRCh37/hg19, <sup>3</sup>other allele, <sup>4</sup>effect allele