

Table 1. Results of SV Meta-analysis

Closest gene(s)	Marker	dbSNP	Major/ minimum allele	MAF	Model 1 ^a				Model 2 ^b				NHW P value ^c		
					OR (95% CI)	P value	Direction ^d	P value for I ² , %	OR (95% CI)	P value	Direction ^d	P value for I ² , %	SV	Gene	
Novel common loci															
EDEN1	3:5302077	rs168193	A/G	0.25	0.79 (0.72-0.87)	8.9 × 10 ⁻⁷	-----+-----+	0.50	0.81 (0.74-0.90)	9.0 × 10 ⁻⁵	-----+-----+	.48	.47	.90	
ALCAM	3:104409208	rs2633682	C/A	0.33	0.78 (0.71-0.86)	9.3 × 10 ⁻⁷	----?-----	0.86	0.85 (0.78-0.92)	2.0 × 10 ⁻⁴	-----	.78	.61	.64	
GPC6	13:94159800	rs9516245	T/C	0.04	1.61 (1.32-1.96)	2.5 × 10 ⁻⁶	+++++	0.22	1.73 (1.39-2.15)	4.0 × 10 ⁻⁷	+++++	.15	.94	.04	
VRK3	19:50524332	rs3745495	A/G	0.10	1.32 (1.17-1.48)	7.4 × 10 ⁻⁶	-+-----+	0.21	1.39 (1.23-1.56)	3.5 × 10 ⁻⁷	-+-----+	.09	.37	.31	
Novel rare loci															
SIPA1L2	1:232376163	rs115684722	A/T	0.01	12.6 (4.66-34.45)	6.3 × 10 ⁻⁷	?+++?+?+?+?	0.70	3.70 (1.59-8.60)	2.4 × 10 ⁻³	?+?+?+?+?+?	.35	.29	.32	
WDR70	5:37483940	rs184179037	C/T	0.006	5.00 (2.27-9.18)	1.8 × 10 ⁻⁷	++?+?+?+?+?	0.64	5.41 (2.78-10.55)	4.6 × 10 ⁻⁷	++?+?+?+?+?	.38	.05	.18	
API5	11:43166842	rs569584007	T/G	0.01	3.06 (1.26-7.40)	.013	????+?+?+?+	0.92	10.48 (4.42-24.83)	8.8 × 10 ⁻⁸	????+?+?+?+	.07	NP	.98	
ACER3	11:76541840	rs115816806	A/G	0.01	4.71 (2.15-10.31)	1.0 × 10 ⁻⁴	?-+?+?+?+?+?	0.42	6.55 (3.17-13.53)	5.1 × 10 ⁻⁷	?-+?+?+?+?+?	.15	NP	.28	
PIK3C2G	12:18471546	rs75739461	G/A	0.01	2.45 (1.59-3.78)	3.0 × 10 ⁻⁵	++?+-+---+?+?	0.94	3.03 (1.93-4.76)	9.9 × 10 ⁻⁷	++?+-+---+?+?	.88	NP	.03	
ARRDC4	15:97992685	rs570487962	NA	0.01	0.20 (0.10-0.37)	6.4 × 10 ⁻⁷	??-?-+?-+?-?-?	0.32	0.10 (0.05-0.22)	1.6 × 10 ⁻⁹	??-?-+?-+?-?-?	.10	NP	0.25	
IGF1R							.93								
RBFOX1	16:8288401	rs79537509	G/T	0.007	3.85 (2.22-6.67)	1.5 × 10 ⁻⁶	--++++?+?+?+?	0.69	4.61 (2.51-8.47)	5.3 × 10 ⁻⁷	-?++++?+?+?+?	.67	.07	.84	
Loci reported in Reitz et al ¹⁴															
NSG2	5:174014114	rs145848414	G/A	0.03	1.78 (1.41-2.25)	1.5 × 10 ⁻⁶	++++++?+?	0.94	1.06 (0.83-1.34)	2.6 × 10 ⁻⁶	++++++?+?	.87	NP	0.04	
MSX2							.66								
ABCA7	19:1050420	rs115550680	A/G	0.07	1.41 (1.21-1.65)	3.2 × 10 ⁻⁵	+++---+-----	0.08	1.58 (1.32-1.88)	4.0 × 10 ⁻⁷	+++---+-----	.07	NP	1.8 × 10 ⁻¹²	
APOE	19:45423934	rs157591	G/A	0.12	1.93 (1.72-2.17)	1.8 × 10 ⁻²⁵	+++++-----	0.20	0.94 (0.80-1.10)	.485	++-+-----	.37	NP	1.4 × 10 ⁻¹⁵⁴	

Abbreviations: dbSNP, Single Nucleotide Polymorphism Database; MAF, minor allele frequency; NA, not applicable; NHW, non-Hispanic White; NP, not present; OR, odds ratio; SV, single variant.

^a Model 1 is adjusted for PCs, age, and sex.

^b Model 2 is adjusted for PCs, age, sex, and APOE genotype.

^c P value for NHW individuals' SV and gene-based tests adjusted for PCs, age, and sex.

^d Study-specific direction of the single-nucleotide variant β coefficient.

^e Variant was not assessed in Reitz et al.¹⁴