

Supplementary Table S1. Parameter estimate in the one susceptibility type (sporadic) models, incorporating 1-5 polygenic loci by FPMM

Parameters	Number of polygenic loci (ν) in the FPMM model				
	1	2	3	4	5
B (SE)	-4.78 (0.17)	-4.80 (0.05)	-4.81 (0.17)	-4.82 (0.17)	-4.82 (0.17)
ξ_{sex}^* (SE)	-1.11 (0.22)	-1.11 (0.01)	-1.11 (0.22)	-1.11 (0.22)	-1.11 (0.22)
$\xi_{founder}^\dagger$ (SE)	-1.64 (0.34)	-1.63 (0.02)	-1.63 (0.34)	-1.62 (0.34)	-1.62 (0.34)
$\sigma_\nu^2 \ddagger$ (SE)	0.49 (0.25)	0.54 (0.01)	0.56 (0.24)	0.57 (0.24)	0.58 (0.24)
-2ln(L)	1083.80	1082.89	1082.49	1082.27	1082.13
AIC	1091.80	1090.89	1090.49	1090.27	1090.13

* Sex value for male is 0 and for female is 1

† Founder value for founder is 1 and for non-founder is 0

‡ Polygenic variance of the logit