

Supplementary Materials:

Supplementary Table S1. Variance of the first six principal components in PCA.

	VE	PVE	CVE
1	6,673	24,715	24,715
2	5,588	20,696	45,410
3	2,625	9,723	55,134
4	1,593	5,902	61,035
5	1,378	5,103	66,138
6	1,141	4,226	70,364

Supplementary table Legend: principal component (PC); Variance Explained (VE); Percentual Variance Explained (PVE); Cumulative Variance Explained (CVE).

Supplementary Table S2. Logistic regression analysis between PCs and SNP rs1818879 group.

PC	p value	β -coefficient	SE
PC1	0.018*	0.27	0.11
PC2	0.70	0.03	0.075
PC3	0.89	-0.02	0.11
PC4	0.33	-0.14	0.15
PC5	0.62	-0.09	0.18
PC6	0.66	0.08	0.19

Supplementary table Legend: logistic regression to assess the association between rs1818879 and the first six PCs. () denotes statistical significance ($p < 0.05$). Abbreviations: principal component (PC), standard error (SE).*