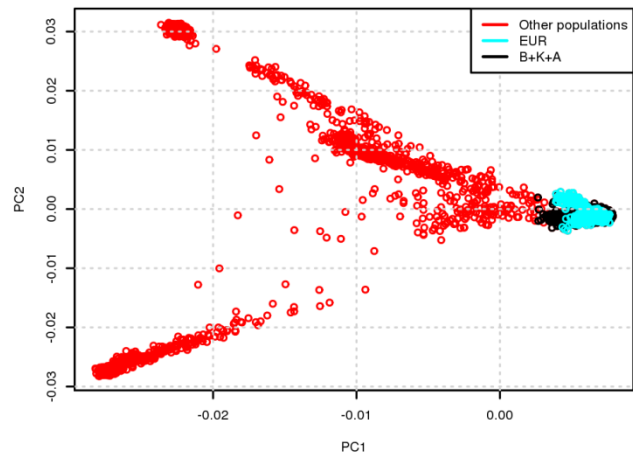


**Supplementary Material:**  
**Assessing the Genetic Predisposition of Education on Myopia: a Mendelian Randomization Study**



**Supplementary Figure 1.** Principal Component Analysis plot of the BMES, KORA and AREDS together with 1000 Genomes populations.

<b>Formula: SPHEQ ~ Sex + Age + Height + Smoking + BMI + PGRS + PC1 + PC2 + PC3</b>			
	<b>Estimate</b>	<b>s.e.</b>	<b>Pr(&gt; t )</b>
<b>Sex</b>	-0.10	0.12	4.43E-01
<b>Age</b>	0.04	0.01	1.04E-12
<b>Height</b>	-0.57	0.69	4.12E-01
<b>Smoking</b>	0.21	0.15	1.57E-01
<b>BMI</b>	0.00	0.01	8.44E-01
<b>PGRS</b>	-3727.00	1529.00	1.49E-02
<b>PC1</b>	2.27	13.40	8.65E-01
<b>PC2</b>	0.51	4.09	9.00E-01
<b>PC3</b>	-5.88	5.22	2.60E-01
<b>Formula: SPHEQ ~ Sex + Age + Height + Smoking + BMI</b>			
<b>Sex</b>	-0.09	0.12	4.94E-01
<b>Age</b>	0.04	0.01	2.68E-12
<b>Height</b>	-0.63	0.69	3.61E-01
<b>Smoking</b>	0.22	0.14	1.29E-01
<b>BMI</b>	0.00	0.01	7.98E-01
<b>Formula: Smoking ~ Sex + Age + PGRS + PC1 + PC2 + PC3</b>			
<b>Sex</b>	0.39	0.14	5.85E-03
<b>Age</b>	-0.05	0.01	6.85E-09
<b>PGRS</b>	<b>-5322.00</b>	<b>2585.00</b>	<b>3.95E-02</b>
<b>PC1</b>	-9.02	9.28	3.31E-01
<b>PC2</b>	-5.24	6.39	4.12E-01
<b>PC3</b>	5.41	7.42	4.66E-01
<b>Formula: Height ~ Sex + Age + PGRS + PC1 + PC2 + PC3</b>			
<b>Sex</b>	0.13	0.00	2.00E-16
<b>Age</b>	0.00	0.00	2.00E-16
<b>PGRS</b>	84.21	47.80	7.83E-02
<b>PC1</b>	-1.20	0.42	4.36E-03
<b>PC2</b>	0.06	0.13	6.15E-01
<b>PC3</b>	0.29	0.16	8.06E-02
<b>Formula: BMI ~ Sex + Age + PGRS + PC1 + PC2 + PC3</b>			
<b>Sex</b>	-0.25	0.20	2.25E-01
<b>Age</b>	-0.07	0.01	1.26E-10
<b>PGRS</b>	-3725.00	3640.00	3.06E-01
<b>PC1</b>	23.39	31.93	4.64E-01
<b>PC2</b>	-2.57	9.80	7.93E-01
<b>PC3</b>	2.21	12.50	8.60E-01

**Supplementary Table 1.** Examination of potential confounders: Height, Smoking and BMI in the BMES cohort. All the estimate are based on linear regressions except for Smoking where we apply a logistic regression.