

Supplementary Table 2: Table showing genetic correlation and genome-wide significant bivariate GWAS results of broad depression with outcomes serving as negative controls: 1) age-related macular degeneration; 2) osteoporosis measured as bone mineral density of (i) femoral neck; (ii) lumbar spine and; (iii) forearm; 3) cancer of (i) breast and; (ii) prostate.

SNP	Chr	Position	Bivariate GWAS results		
			A1	A2	Bivariate P-value
Age-related macular degeneration ¹ & broad depression ² ($r_g=0.104$, $p=0.37$)					
rs17651057	10	124531450	G	A	2.72×10^{-8}
Osteoporosis (bone mineral density)					
(i) Femoral Neck ³ & broad depression ² ($r_g=-0.013$, $p=0.96$)					
(ii) Lumbar Spine ³ & broad depression ² ($r_g=-0.070$, $p=0.33$)					
(iii) Forearm ³ & broad depression ² ($r_g=-0.031$, $p=0.92$)					
rs7714851	5	164475774	T	C	1.29×10^{-10}
rs1483582	8	116480753	G	A	2.67×10^{-8}
Breast cancer UKB & broad depression ² ($r_g=0.10$, $p=0.10$)					
rs11208611	1	65684425	C	T	4.22×10^{-8}
rs10888582	1	150428819	G	A	4.16×10^{-9}
Prostate cancer UKB & broad depression ² ($r_g=0.054$, $p=0.93$)					
rs12477089	2	242265313	C	A	1.52×10^{-9}
rs2439644	8	96226764	C	T	7.01×10^{-9}

Abbreviations: r_g : genetic correlation

Source of data: UKB: UK biobank data

https://docs.google.com/spreadsheets/d/1b3oGI2IUt57BcuHttWaZotQcI0-mBRPyZihz87Ms_No/edit#gid=1209628142

Reference

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3. Zheng HF, Forgetta V, Hsu YH, Estrada K, Rosello-Diez A, Leo PJ *et al.* Whole-genome sequencing identifies EN1 as a determinant of bone density and fracture. *Nature* 2015; **526**(7571): 112-117.