

Additional Table 1. Three Instrumental variables (IVs) of GLP1R activity, and their estimates for HbA1c, mood disorders in MAGIC and UK Biobank. CHR: chromosome; POS: position; ID: rsid; OA: other allele; EA: effect allele; EAF: effect allele frequency; Mut: mutation type; F: F-statistics; N: number; SE: standard error; UKB: UK Biobank; BD: Bipolar disorder; MDD: major depressive disorder

CHR	POS	ID	OA	EA	EAF	Mut	F	MAGIC_HbA1c				UKB_HbA1c				UKB_BD(F31)				UKB_MDD(F32)			
								N	Beta	SE	P	N	Beta	SE	P	N	Beta	SE	P	N	Beta	SE	P
6	39016636	rs10305420	C	T	0.39	missense	10.12	128,609	-0.0038	0.0014	0.0035	344,182	-0.0509	0.0158	0.0013	361,194	3.85e ⁻⁵	8.30e ⁻⁵	0.6431	361,194	5.86e ⁻⁵	0.0001	0.632
6	39031592	rs75151020	A	C	0.09	intronic	19.36	128,610	0.0052	0.0024	0.0107	344,182	0.1189	0.0265	7.08e ⁻⁶	361,194	1.75e ⁻⁴	1.39e ⁻⁴	0.2084	361,194	8.23e ⁻⁵	0.0002	0.688
6	39043178	rs2268647	C	T	0.52	intronic	14.49	128,610	0.0030	0.0013	0.0056	344,182	0.0664	0.0154	1.51e ⁻⁵	361,194	1.70e ⁻⁴	8.06e ⁻⁵	0.0348	361,194	6.24e ⁻⁵	0.0001	0.599