

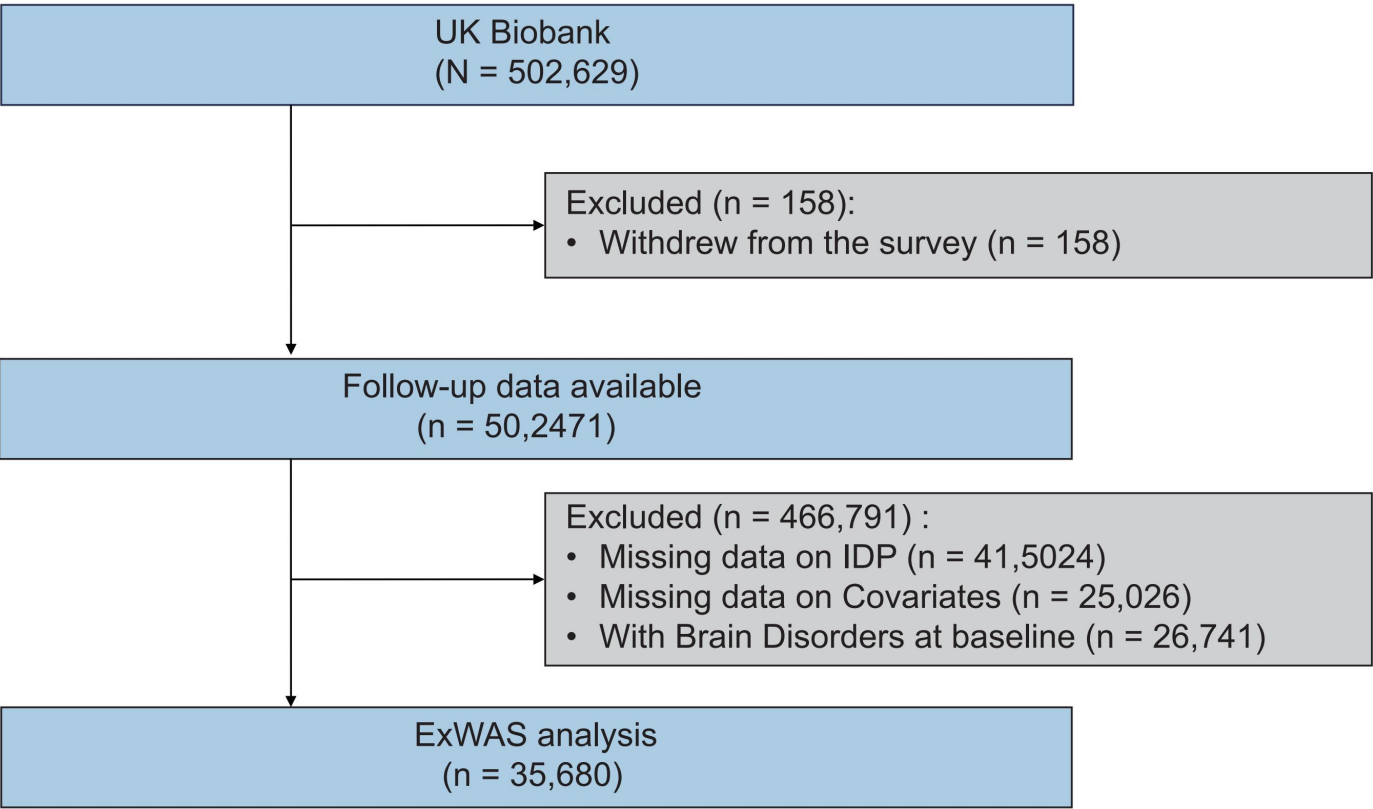


Figure S1: Flowchart of the UK Biobank participants included and excluded in ExWAS analysis.

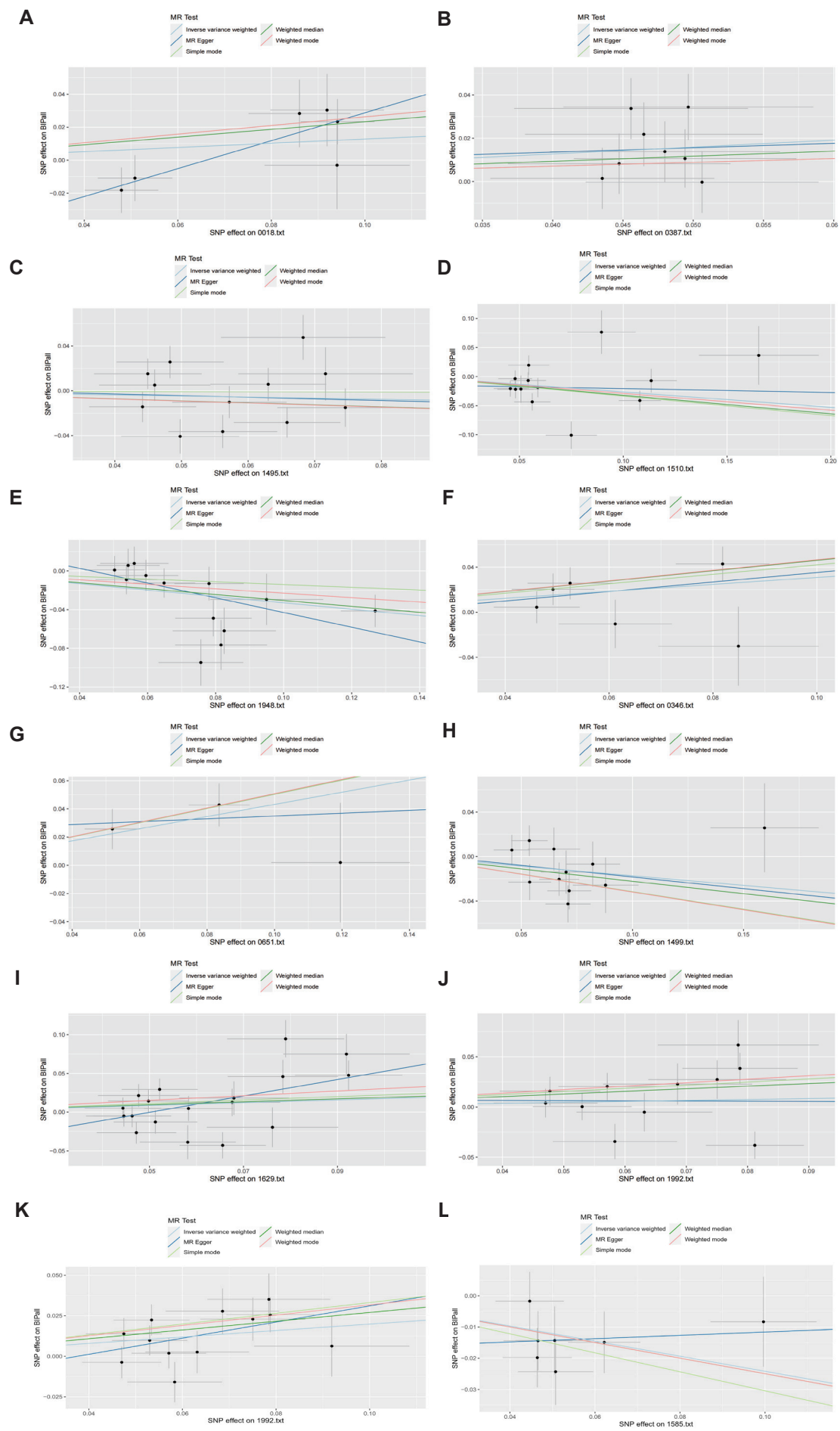


Figure S2: Scatter plots of MR analyses for associations between SNPs and IDPs.

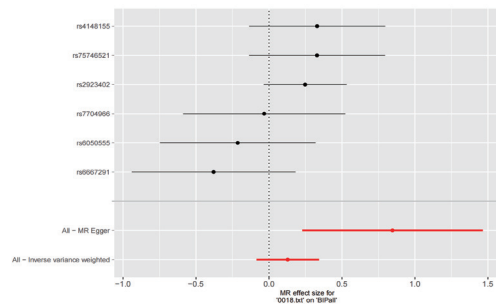
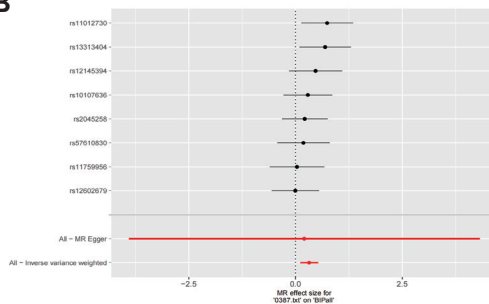
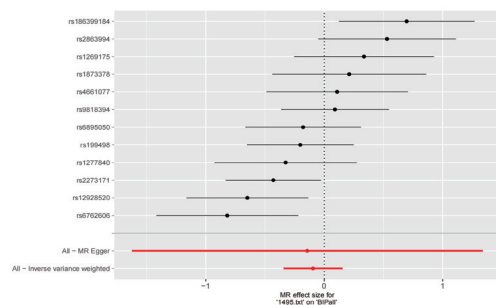
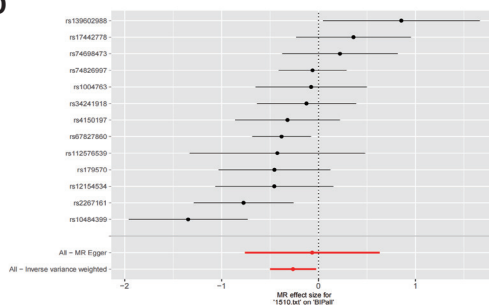
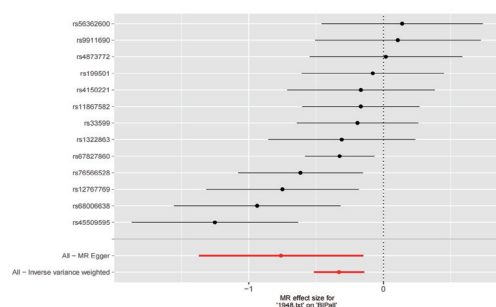
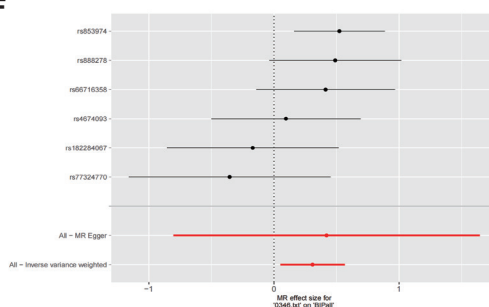
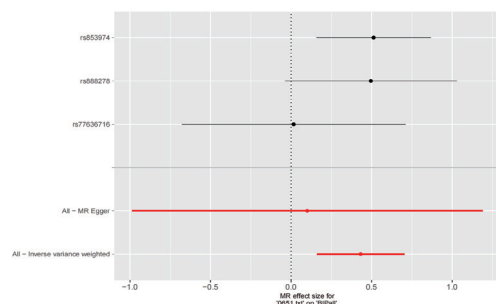
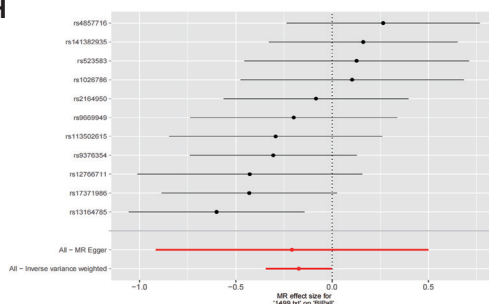
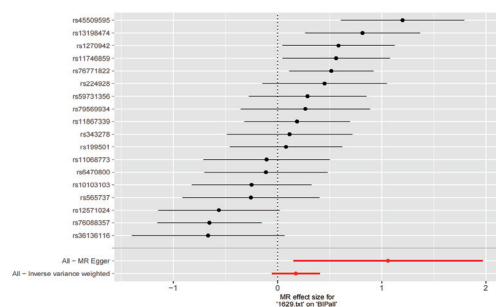
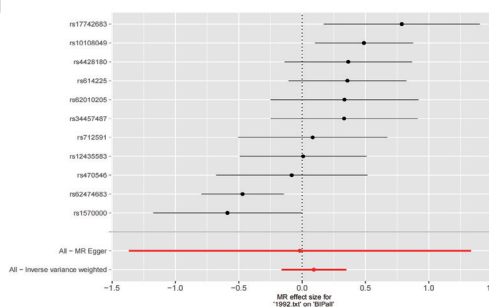
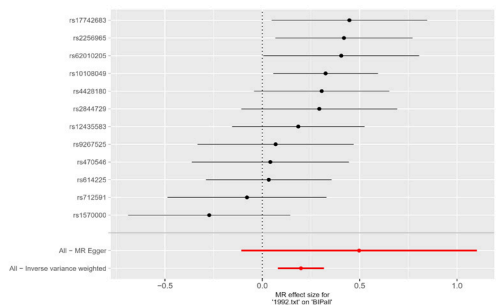
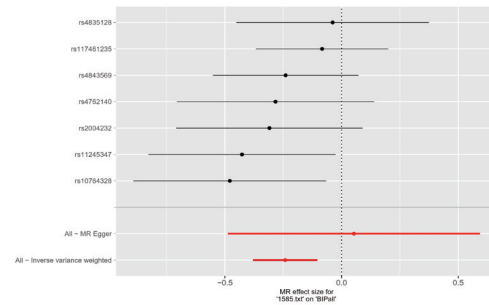
A**B****C****D****E****F****G****H****I****J****K****L**

Figure S3: Forest plot of Mendelian randomization analysis assessing the causal effect of brain IDPs on the risk of BD.

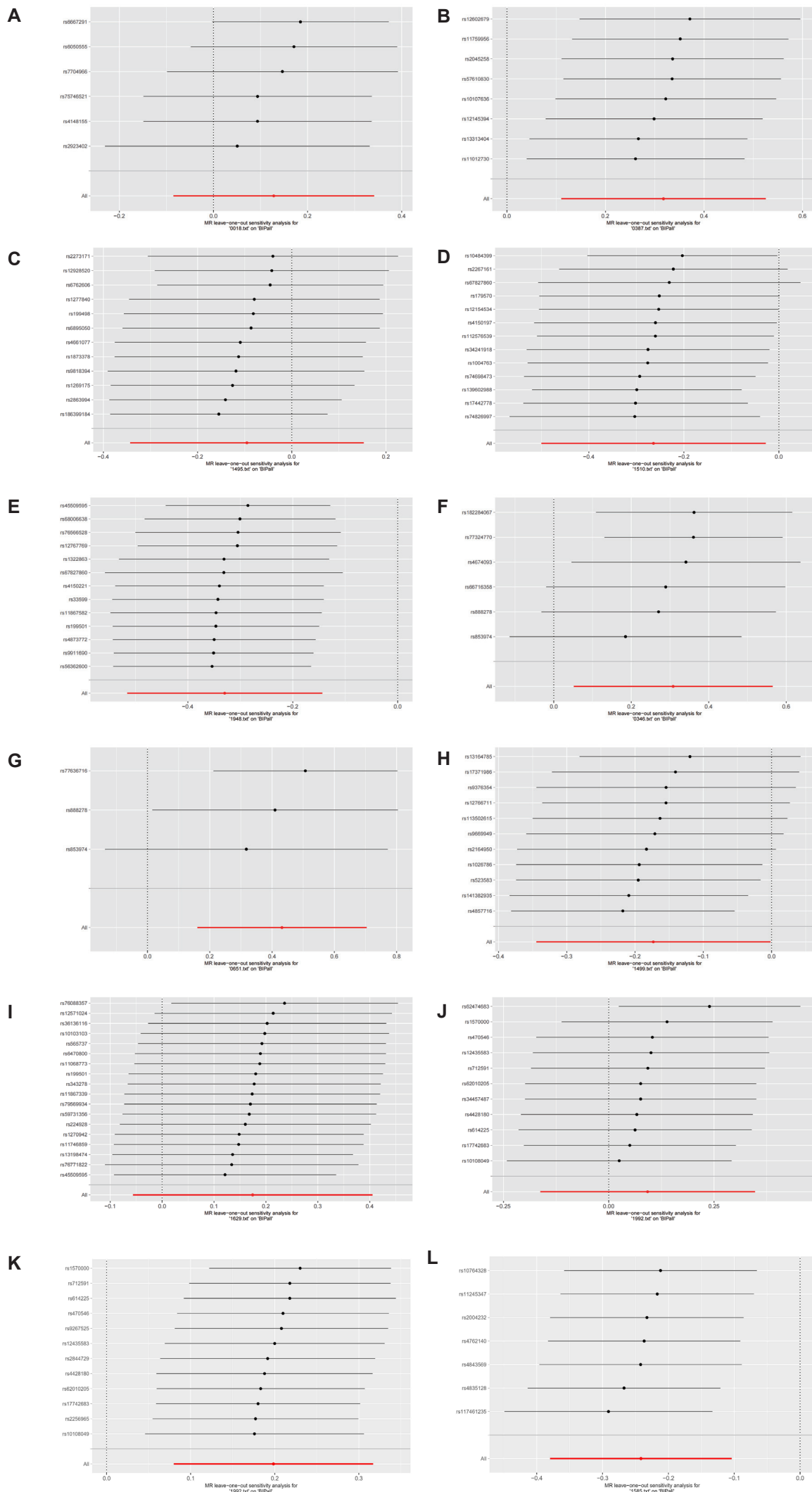


Figure S4: Forest plot of Mendelian randomization leave-one-out sensitivity analysis for the causal effect of brain IDPs on BD.

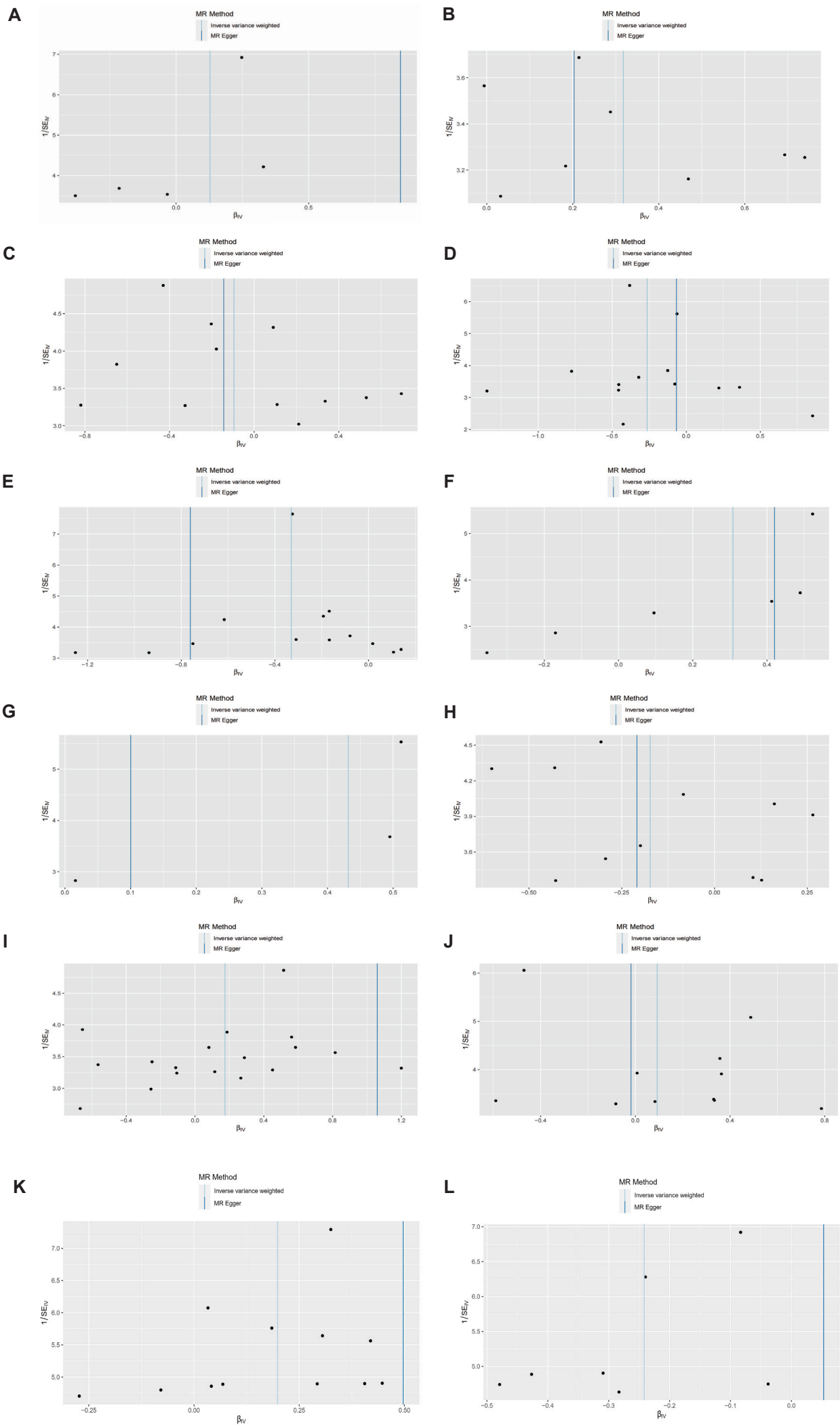
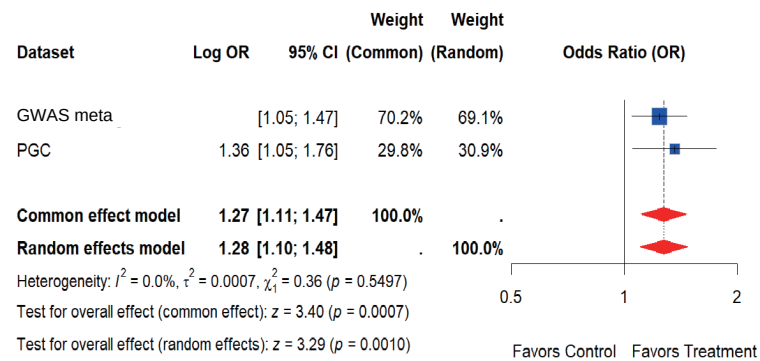
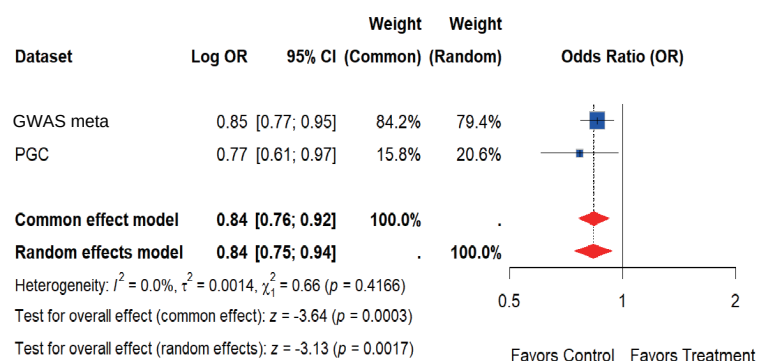


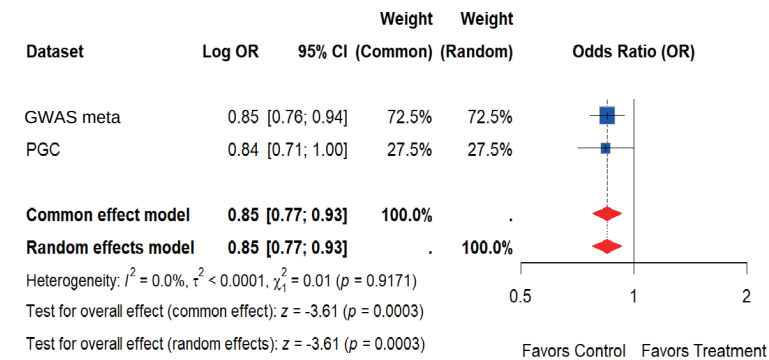
Figure S5: Funnel plots of the IVW and MR Egger methods in MR analysis for the causal effect of IDP on BD.



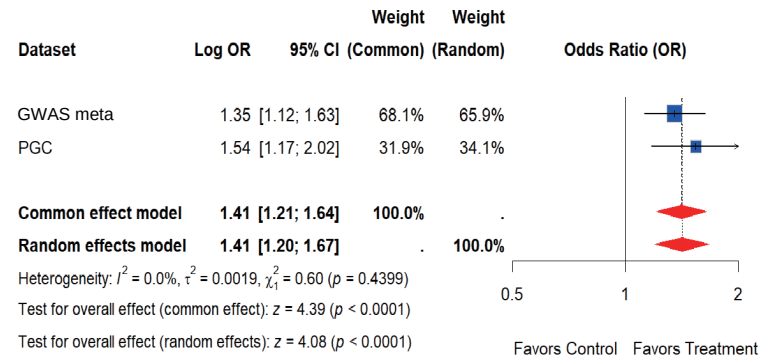
IDP0346



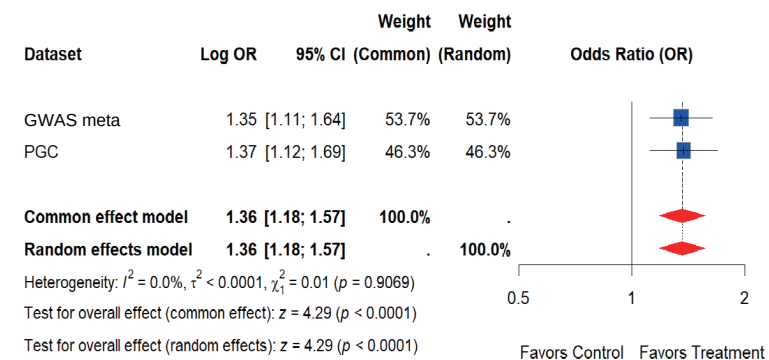
IDP1510



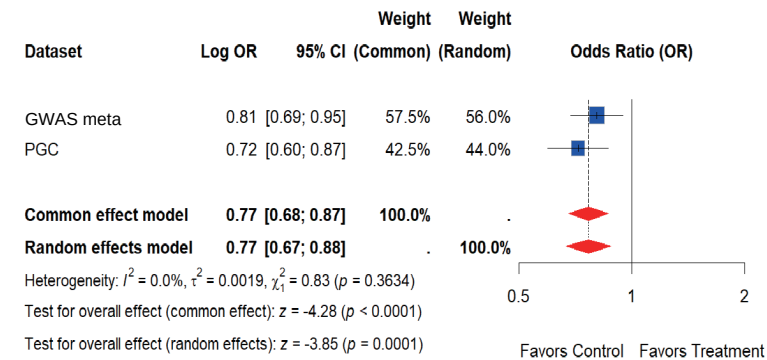
IDP1499



IDP0651



IDP0387



IDP1948

Figure S6: Forest plots presenting the association between six imaging-derived phenotypes (IDPs: IDP0346, IDP1510, IDP1499, IDP0651, IDP0387, IDP1948) and BD.