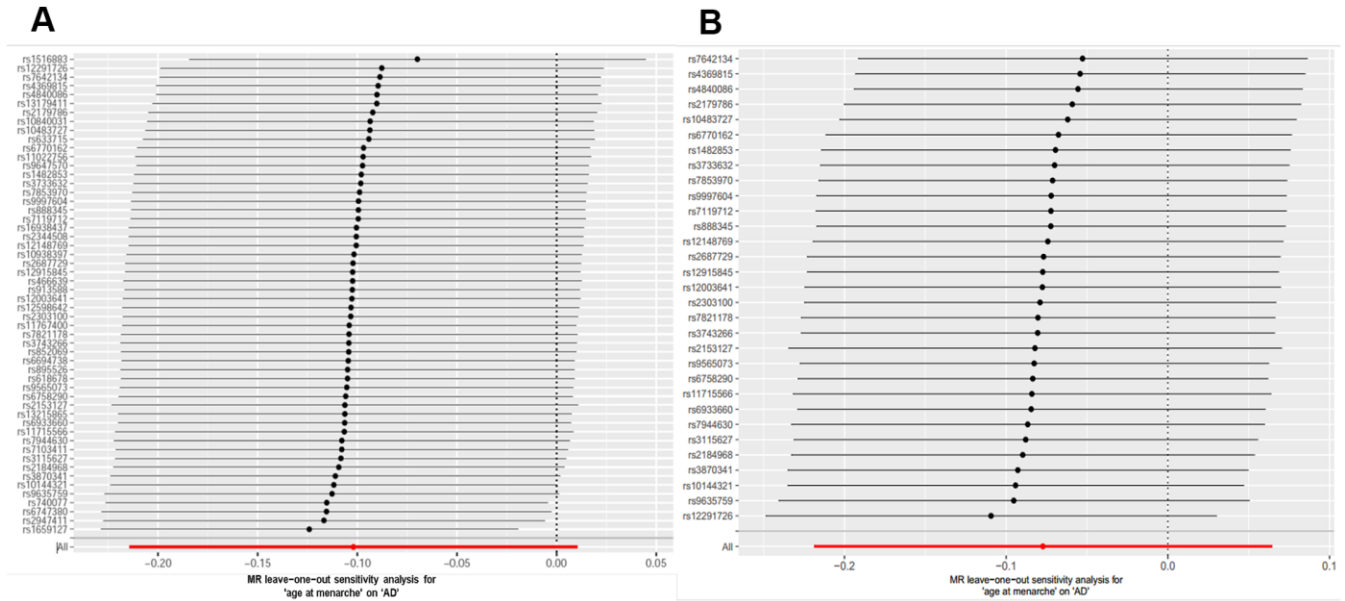
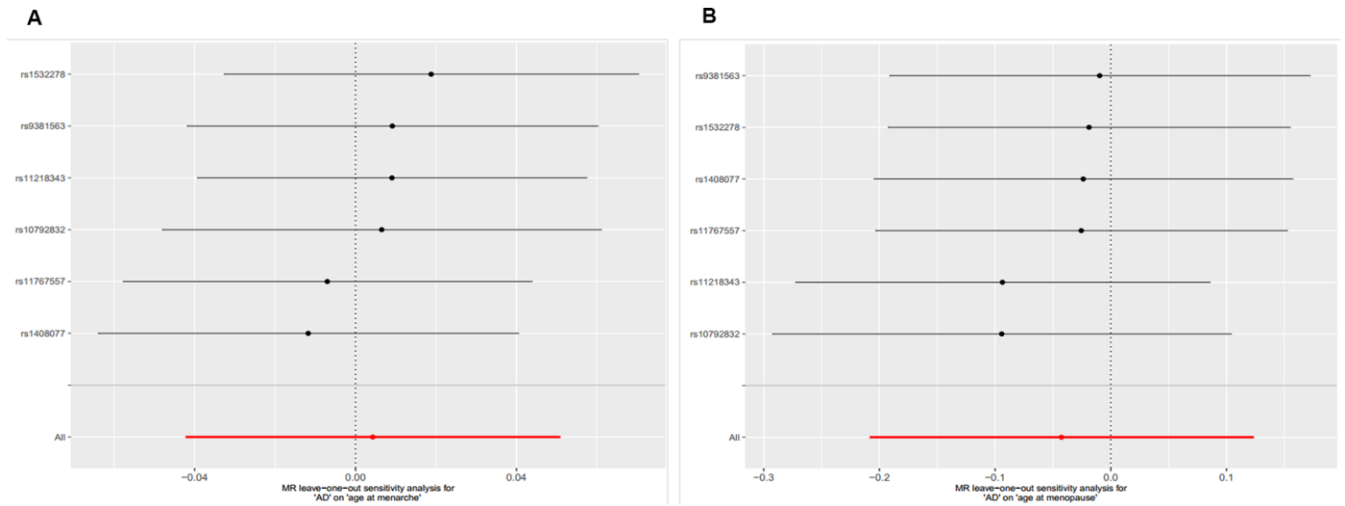


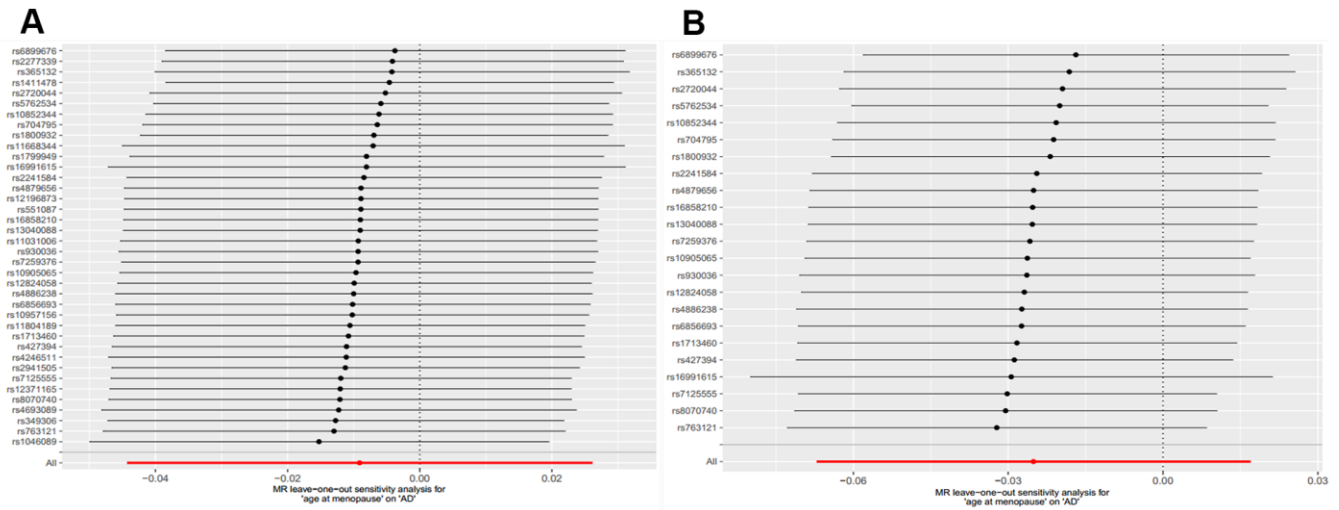
SUPPLEMENTARY FIGURES



Supplementary Figure 1. MR leave-one-out analysis plots for the relationships of age at menarche with AD. (A) MR leave-one-out analysis plots before removing pleiotropic IVs. (B) MR leave-one-out analysis plots after removing pleiotropic IVs. Abbreviation: MR, mendelian randomization; AD, Alzheimer’s disease; IVs, instrument variables.



Supplementary Figure 2. MR leave-one-out analysis plots for the relationships of AD with age at menarche/menopause. (A) MR leave-one-out analysis plot for the relationships of AD with age at menarche. (B) MR leave-one-out analysis plot for the relationships of AD with age at menopause. Abbreviation: MR, mendelian randomization; AD, Alzheimer’s disease.



Supplementary Figure 3. MR leave-one-out analysis plots for the relationships of age at menopause with AD. (A) MR leave-one-out analysis plots before removing pleiotropic IVs. **(B)** MR leave-one-out analyses plots after removing pleiotropic IVs. Abbreviation: MR, mendelian randomization; AD, Alzheimer’s disease; IVs, instrument variables.