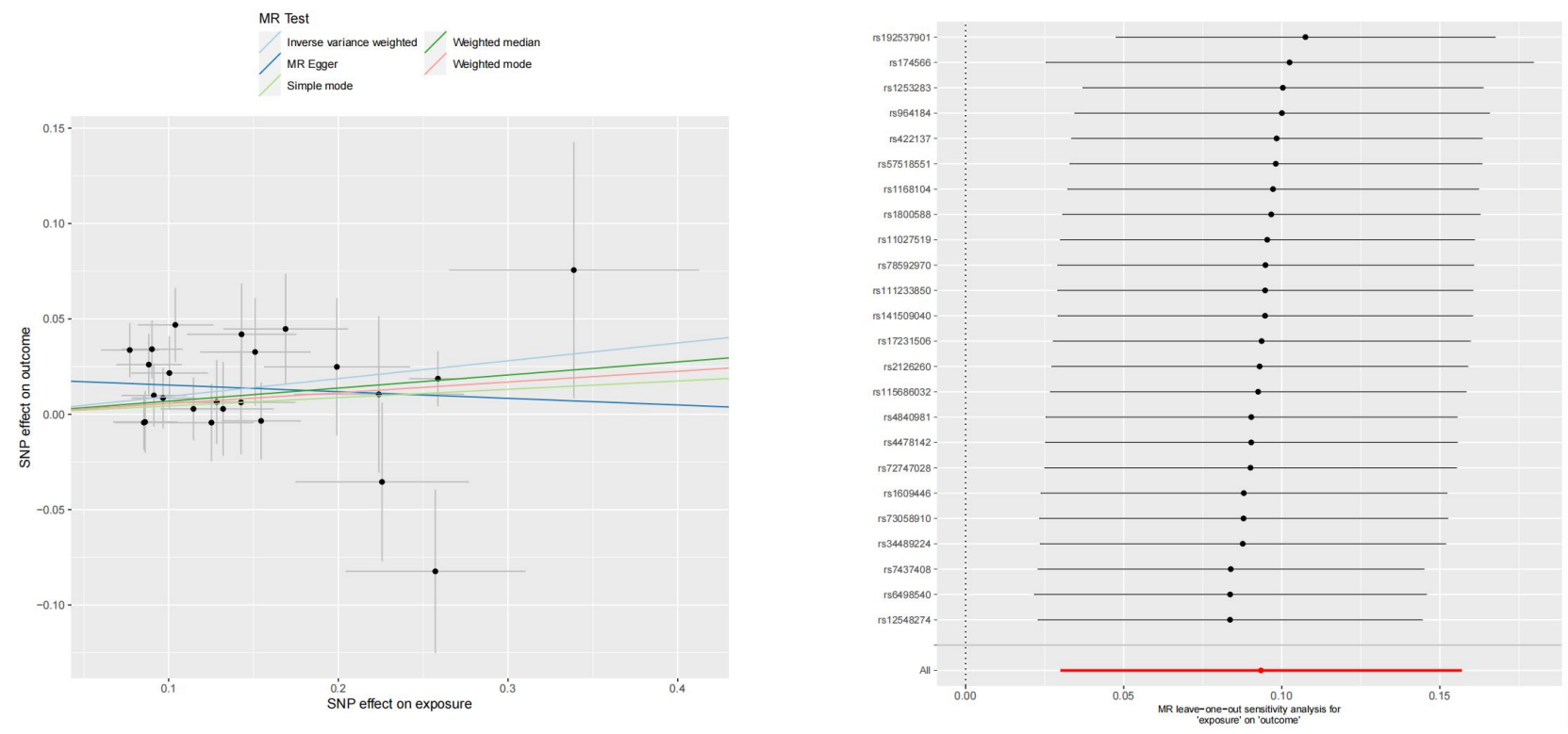
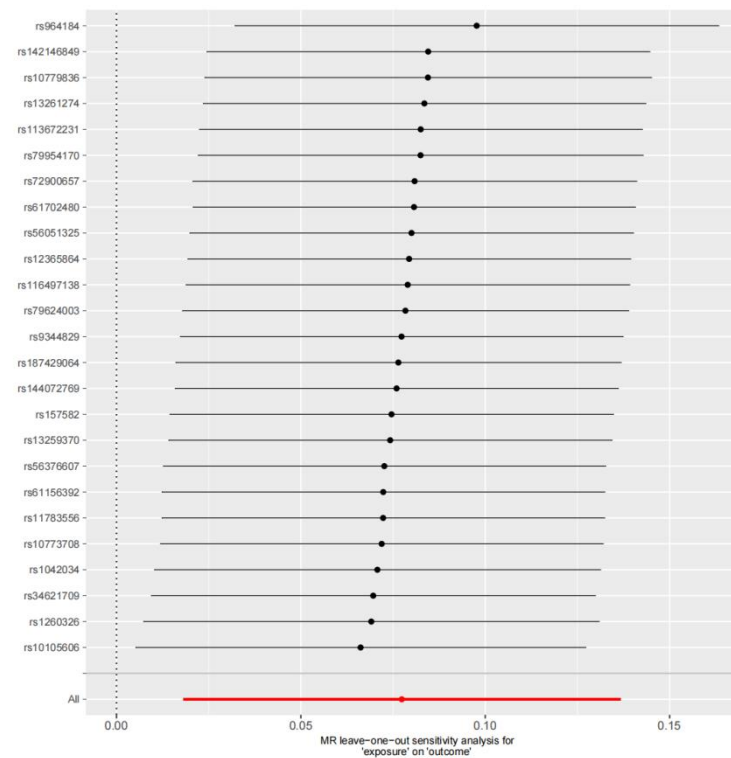
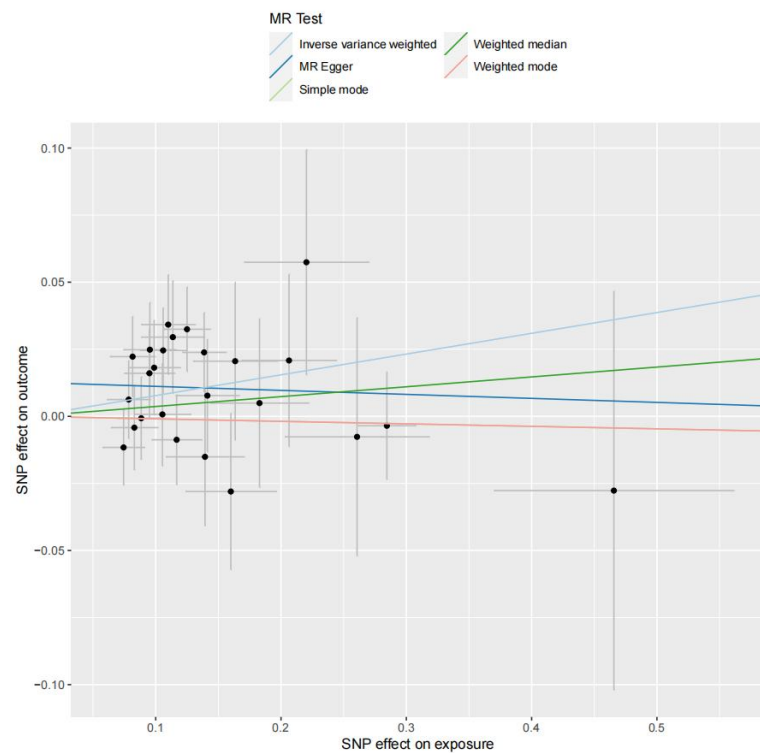


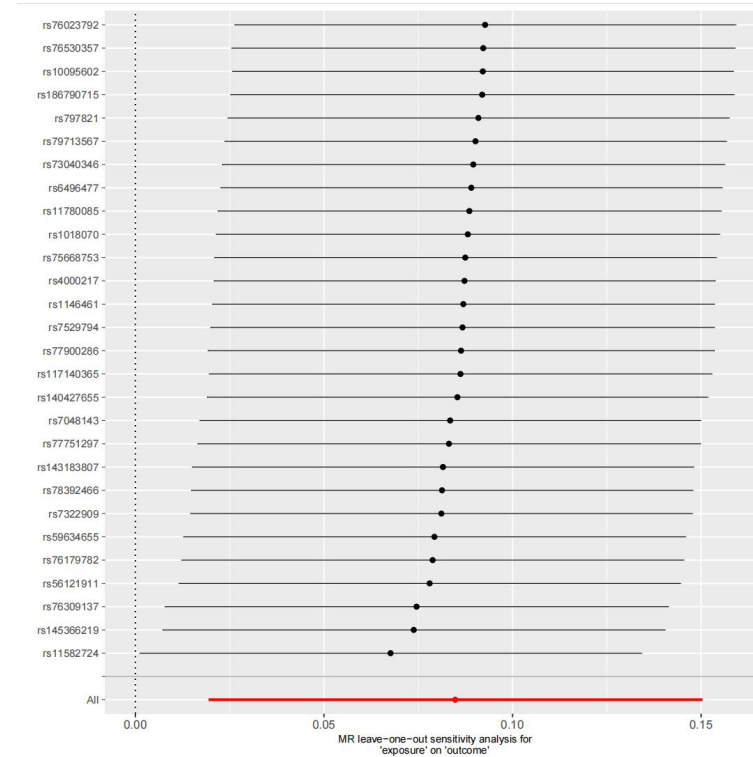
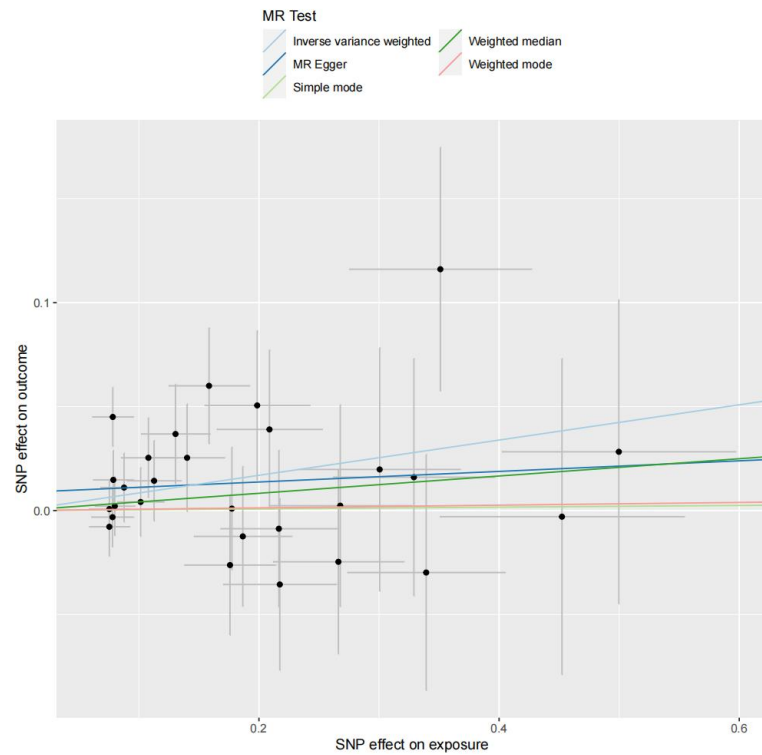
Supplementary Figure 1 Causal associations between 18 lipid species and female infertility.



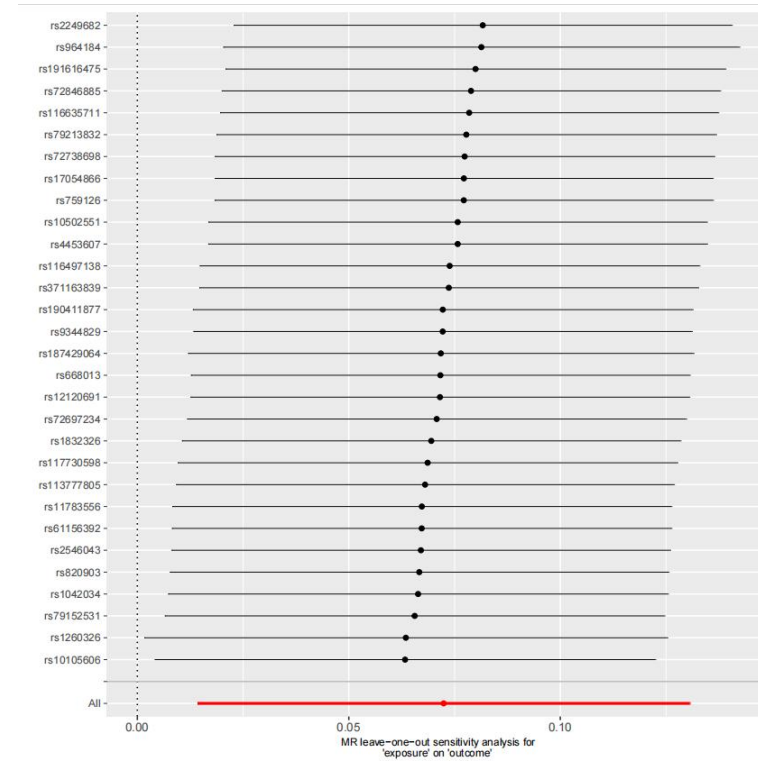
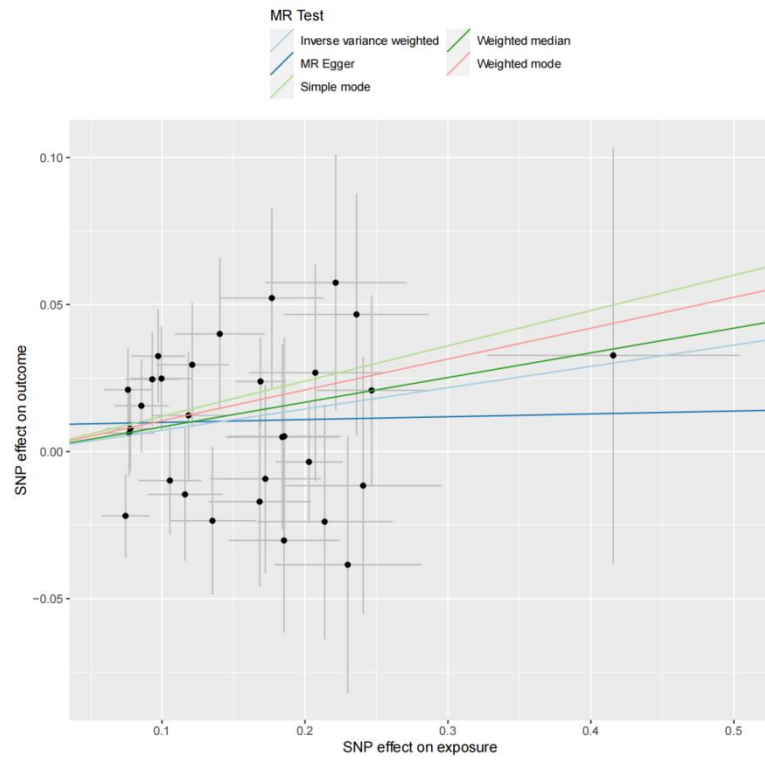
(A) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (17:0_18:2) in blood serum and female infertility risk



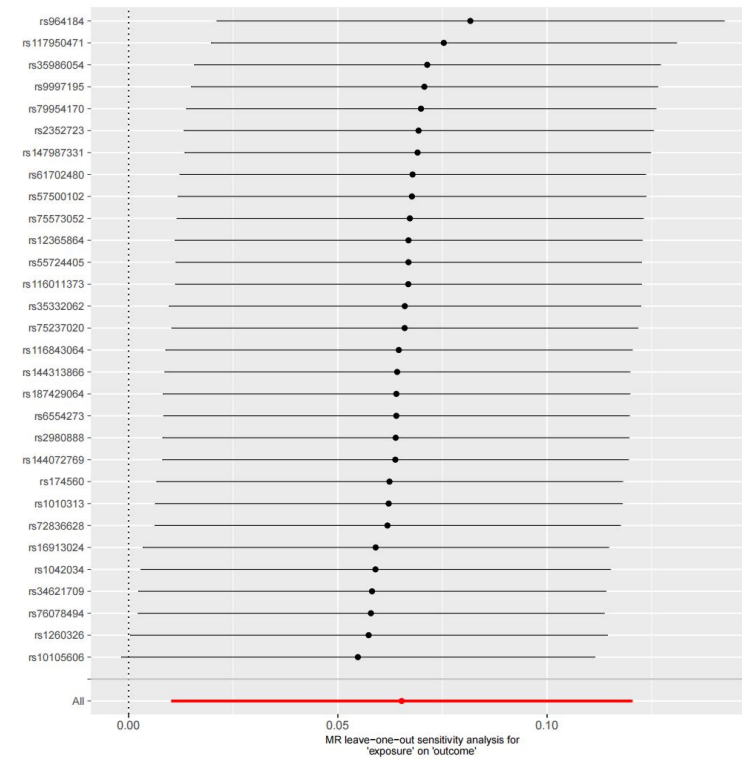
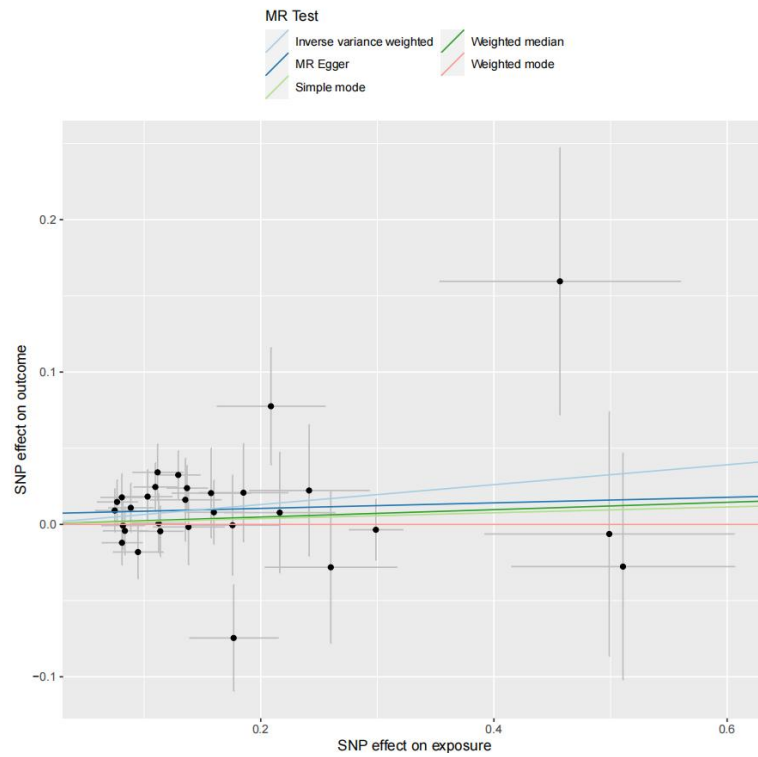
(B) Scatter plots and sensitivity analyses of Triacylglycerol (52:4) level and female infertility risk



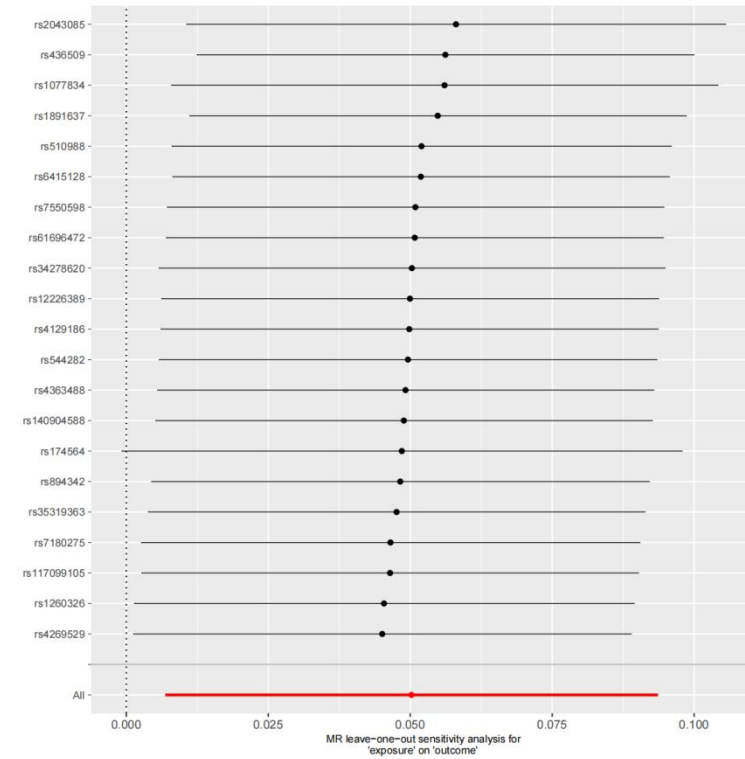
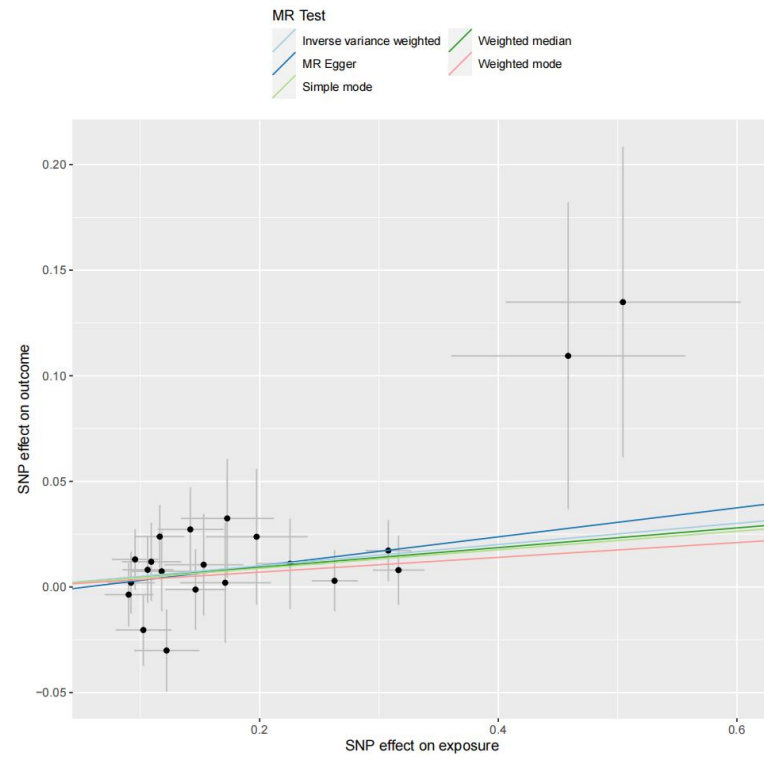
(C) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (18:0_0:0) in blood serum and female infertility risk



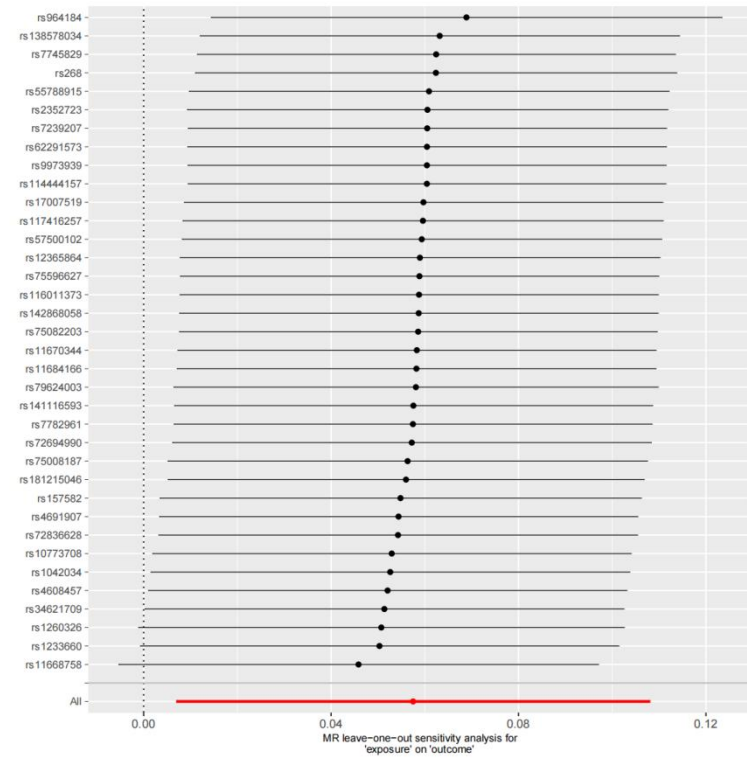
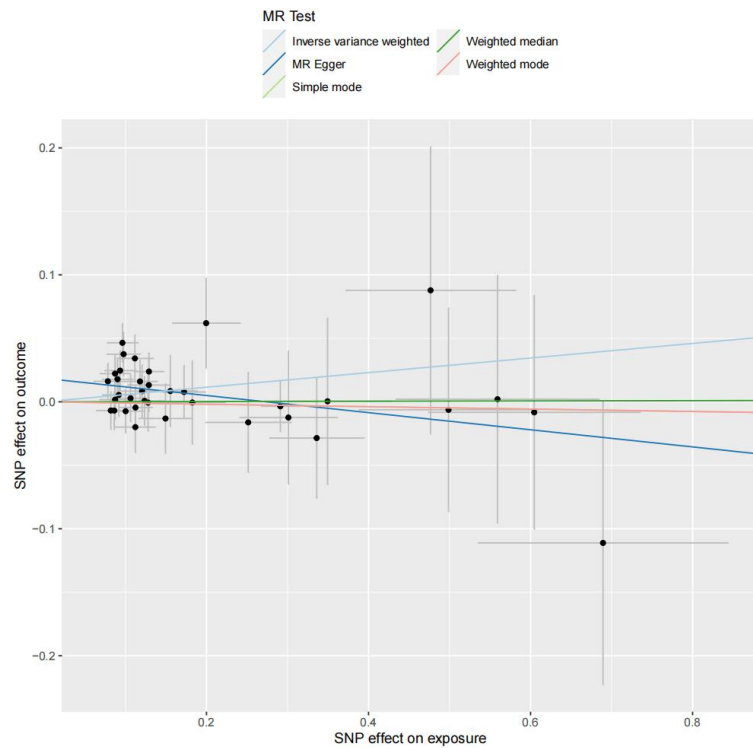
(D) Scatter plots and sensitivity analyses of Triacylglycerol (50:4) levels and female infertility risk



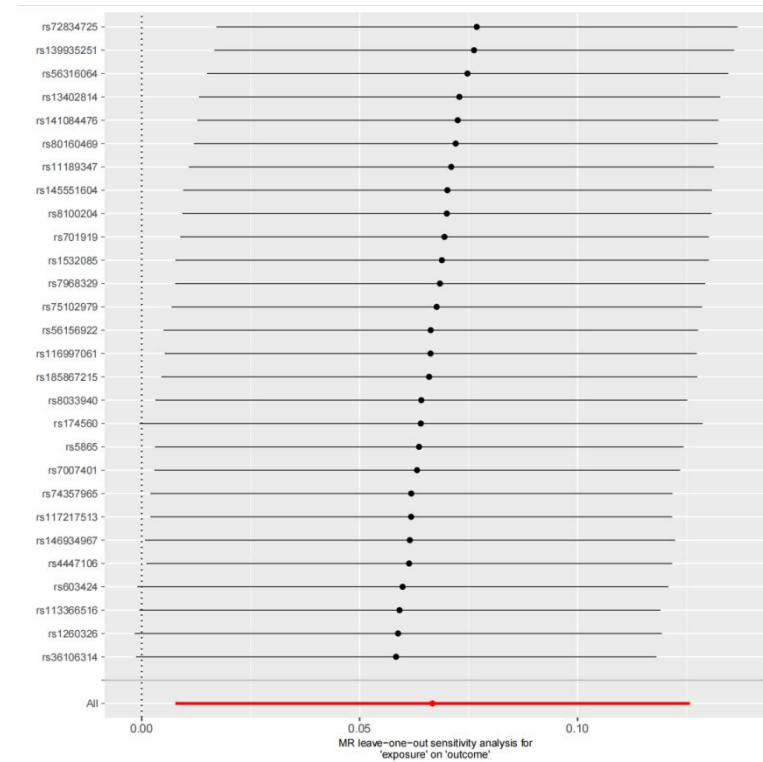
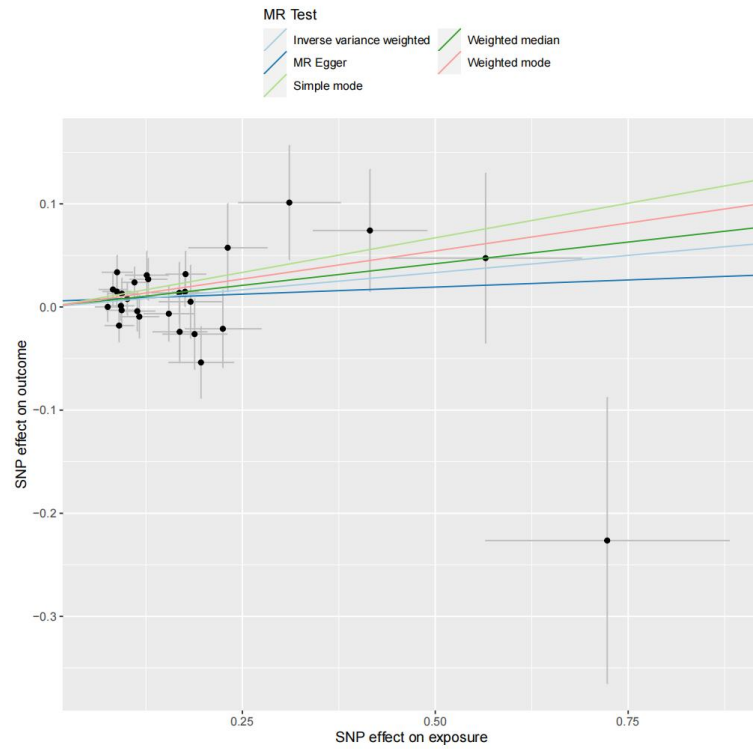
(E) Scatter plots and sensitivity analyses of Triacylglycerol (52:3) level and female infertility risk



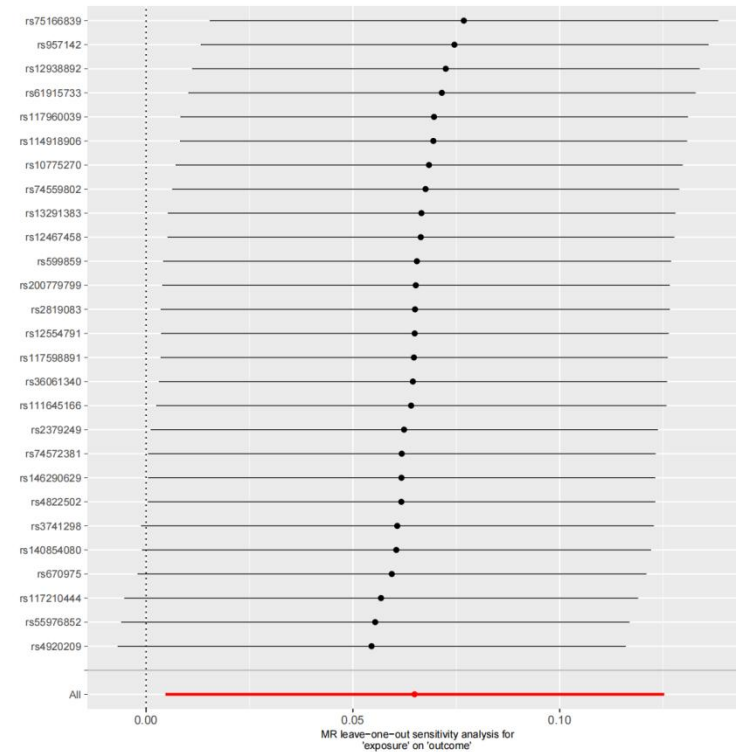
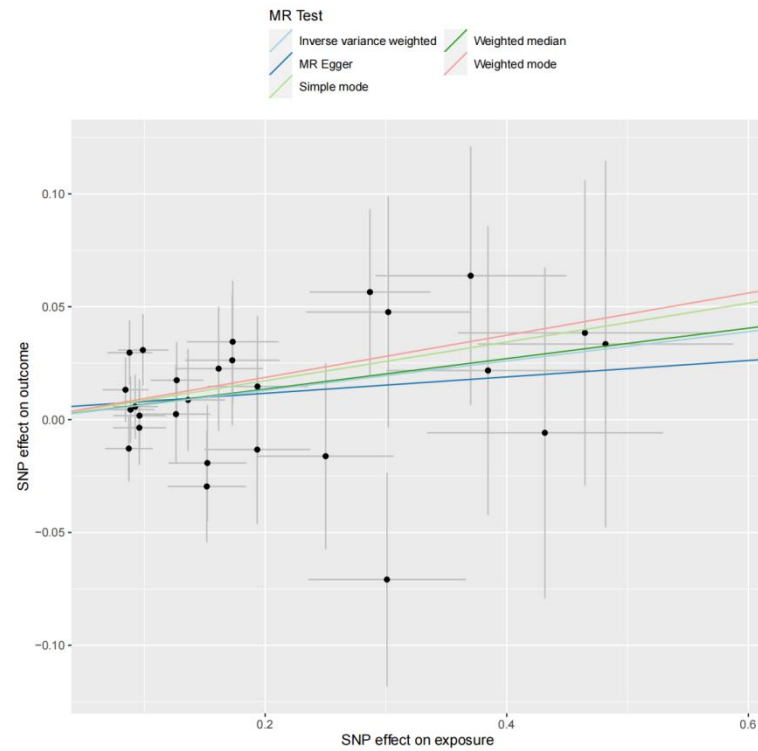
(F) Scatter plots and sensitivity analyses of level of Phosphatidylethanolamine (16:0_18:2) in blood serum and female infertility risk



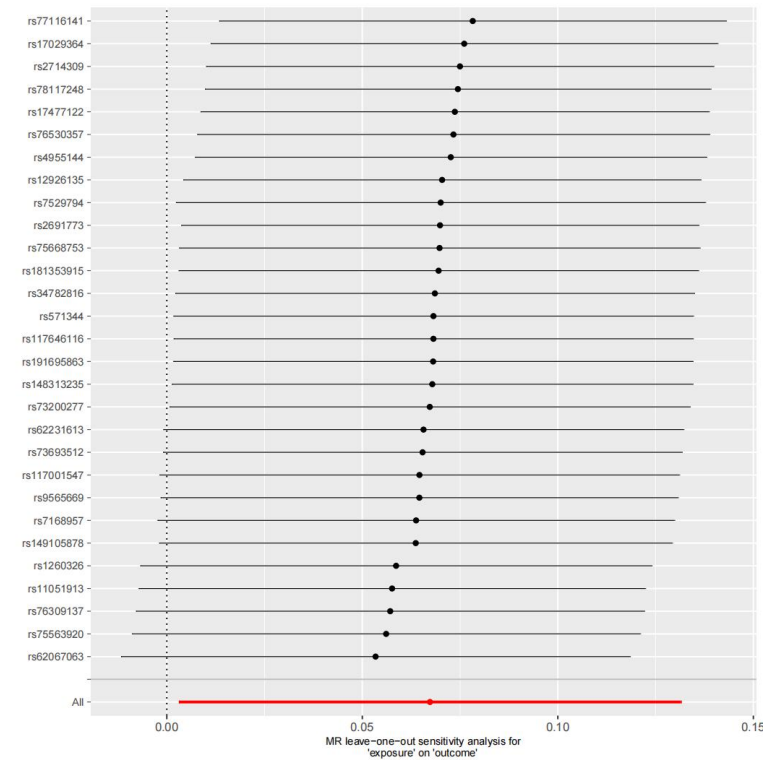
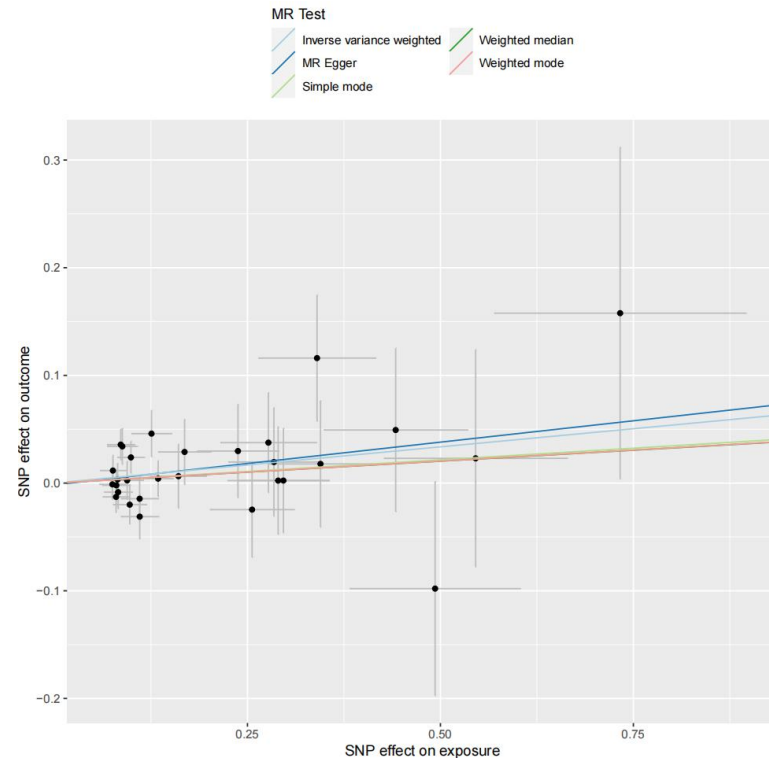
(G) Scatter plots and sensitivity analyses of level of Diacylglycerol (18:1_18:2) in blood serum and female infertility risk



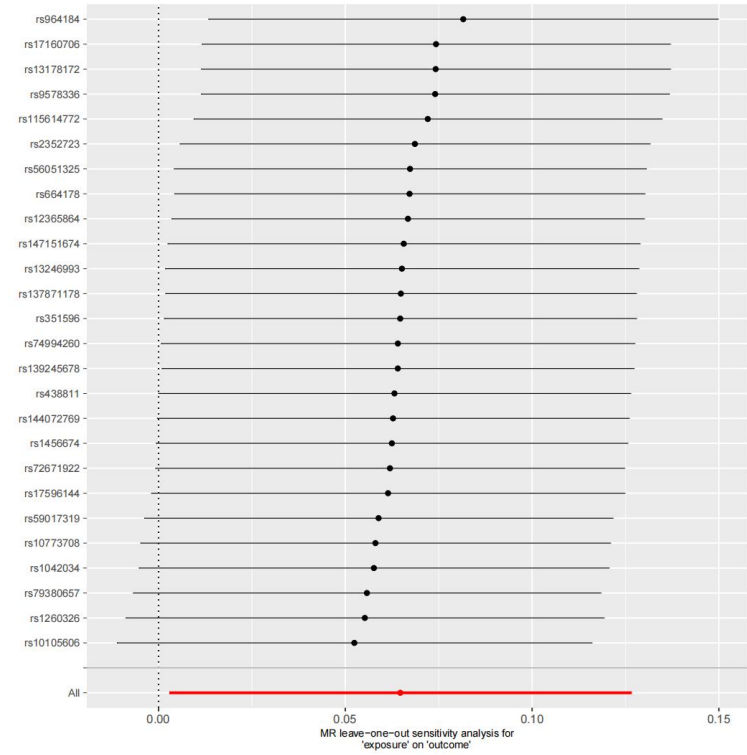
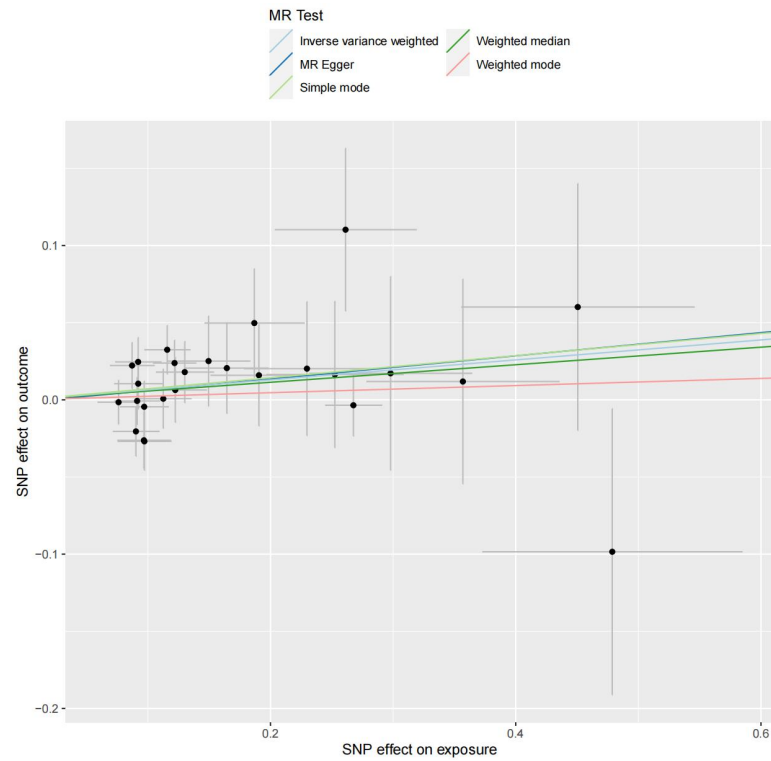
(H) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (16:1_18:1) in blood serum and female infertility risk



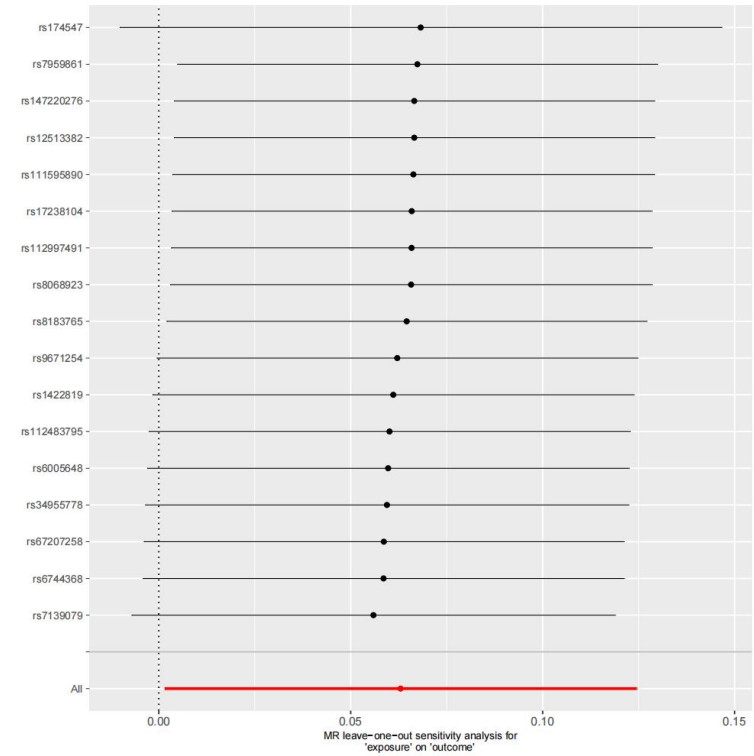
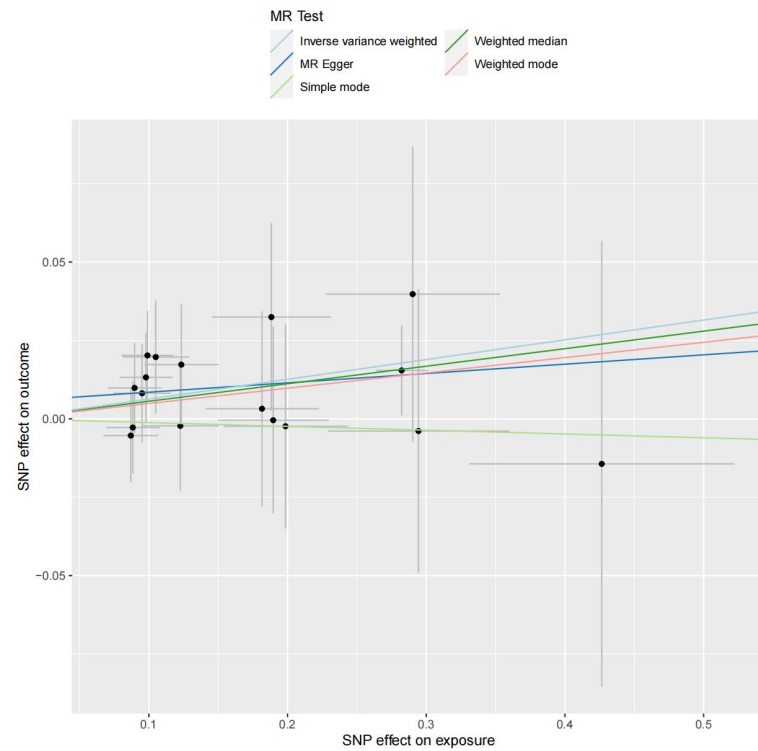
(I) Scatter plots and sensitivity analyses of level of Phosphatidylinositol (18:1_20:4) in blood serum and female infertility risk



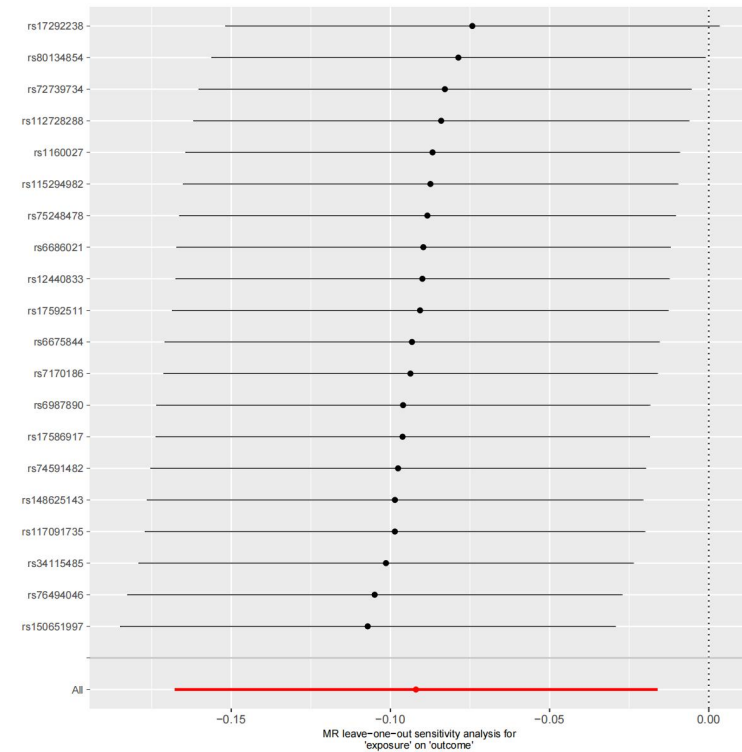
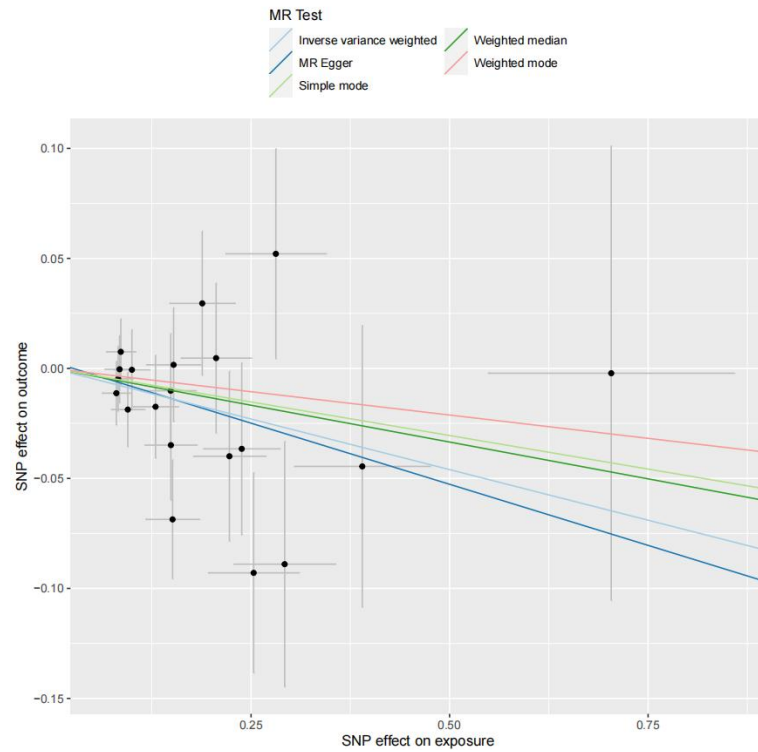
(J) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (16:0_0:0) in blood serum and female infertility risk



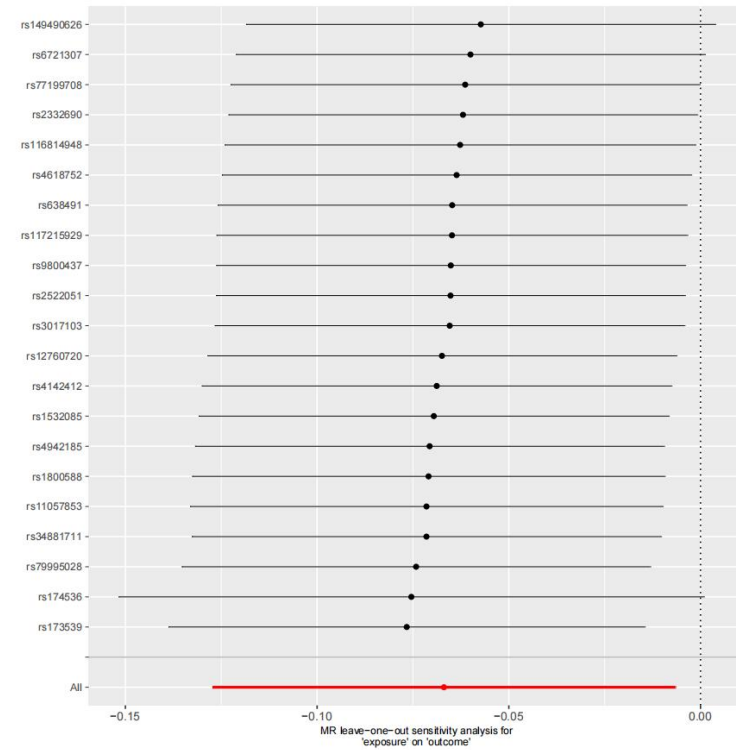
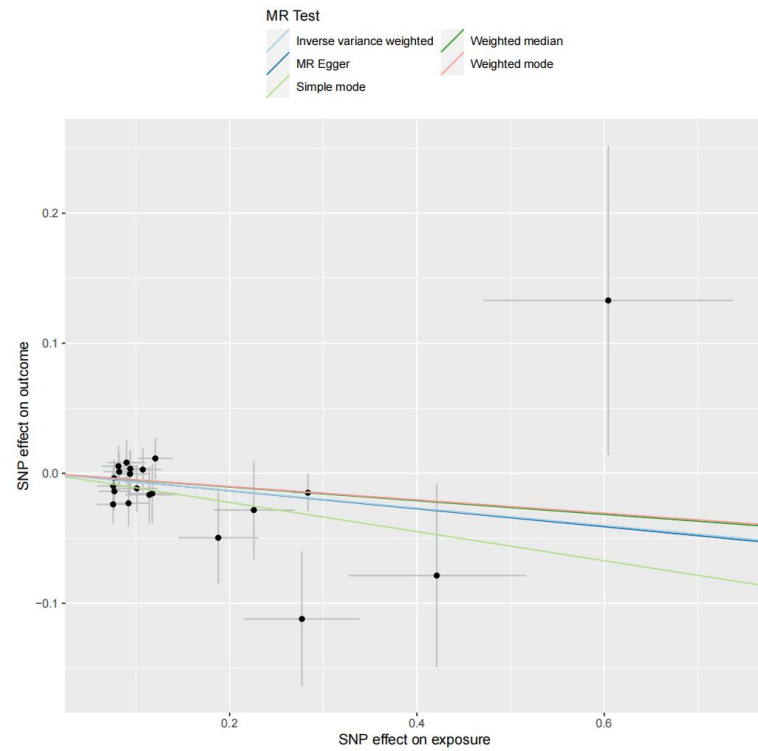
(K) Scatter plots and sensitivity analyses of Triacylglycerol (54:5) levels and female infertility risk



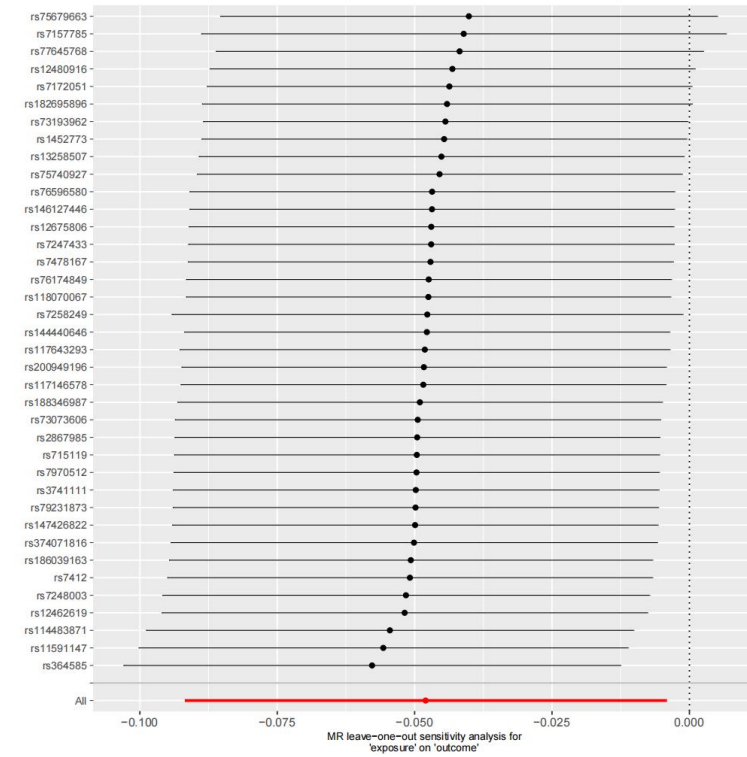
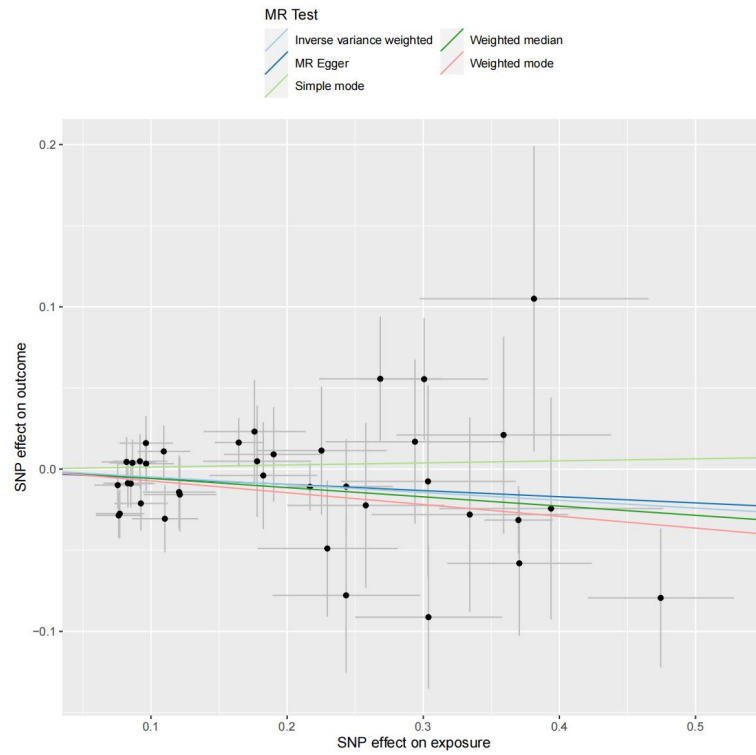
(L) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (18:0_20:2) in blood serum and female infertility risk



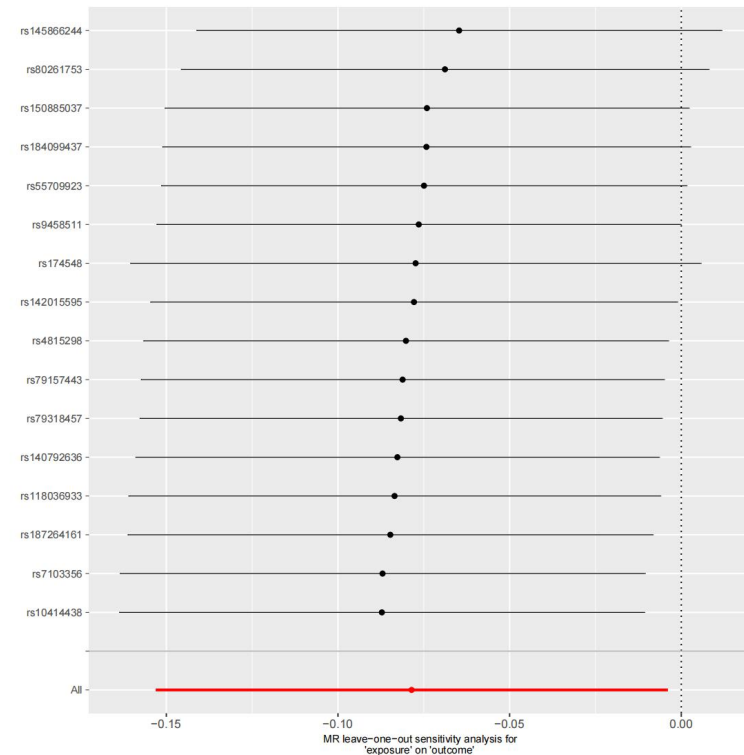
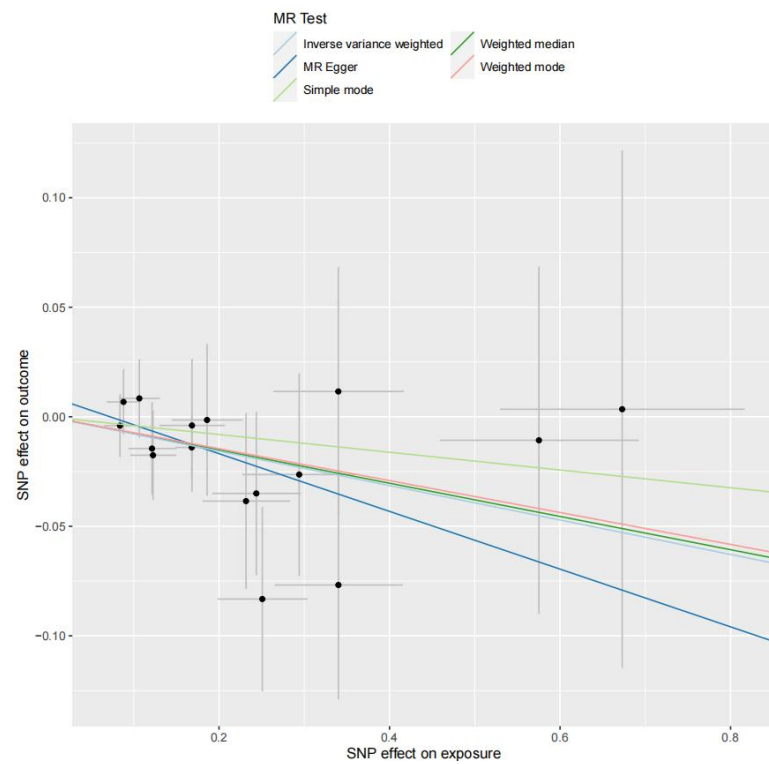
(M) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (O-16:0_16:0) in blood serum and female infertility risk



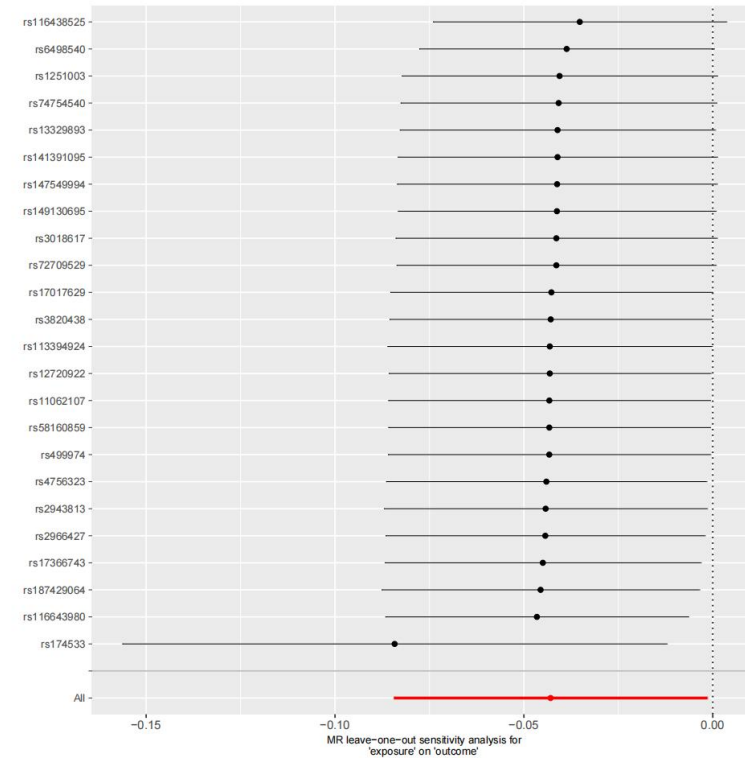
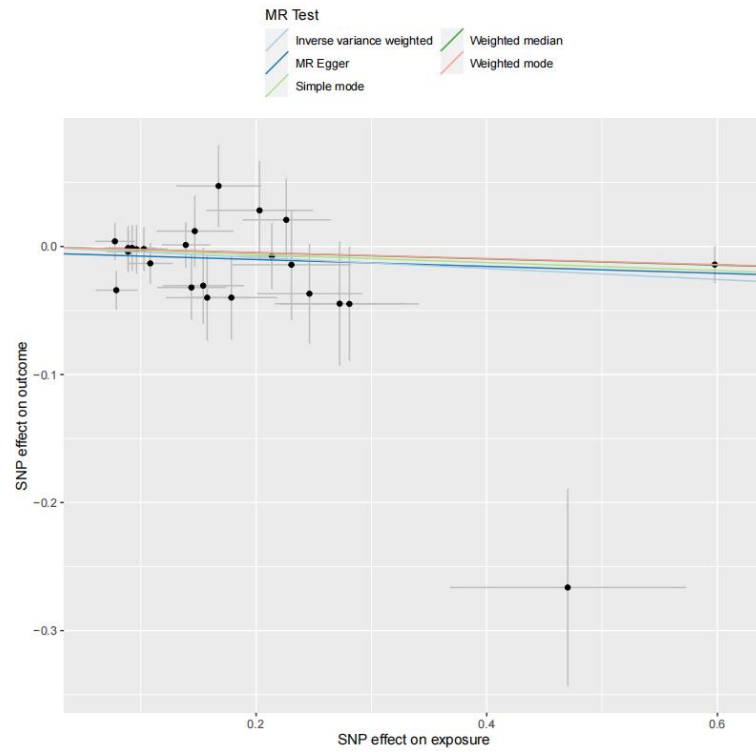
(N) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (O-18:1_20:4) in blood serum and female infertility risk



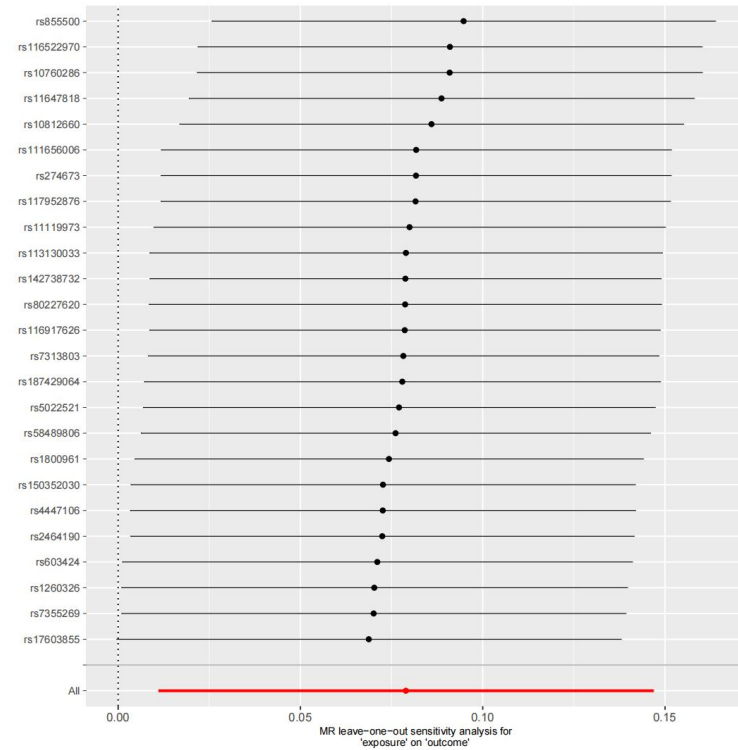
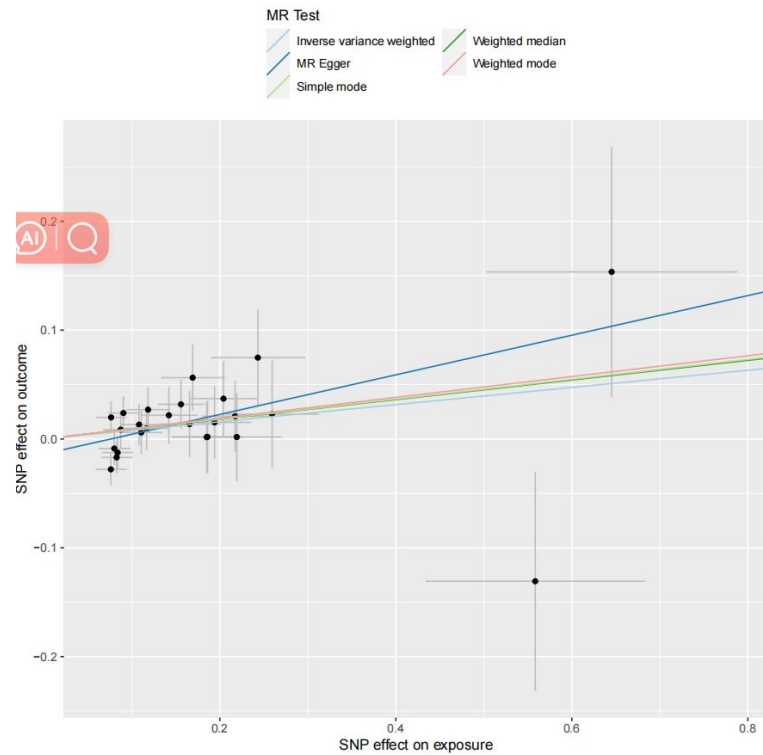
(O) Scatter plots and sensitivity analyses of level of Sphingomyelin (d38:1) in blood serum and female infertility risk



(P) Scatter plots and sensitivity analyses of level of Phosphatidylcholine (O-16:0_22:5) in blood serum and female infertility risk



(Q) Scatter plots and sensitivity analyses of Phosphatidylcholine (16:0_20:4) levels and female infertility risk



(R) Scatter plots and sensitivity analyses of level of Sterol ester (27:1/16:1) in blood serum and female infertility risk