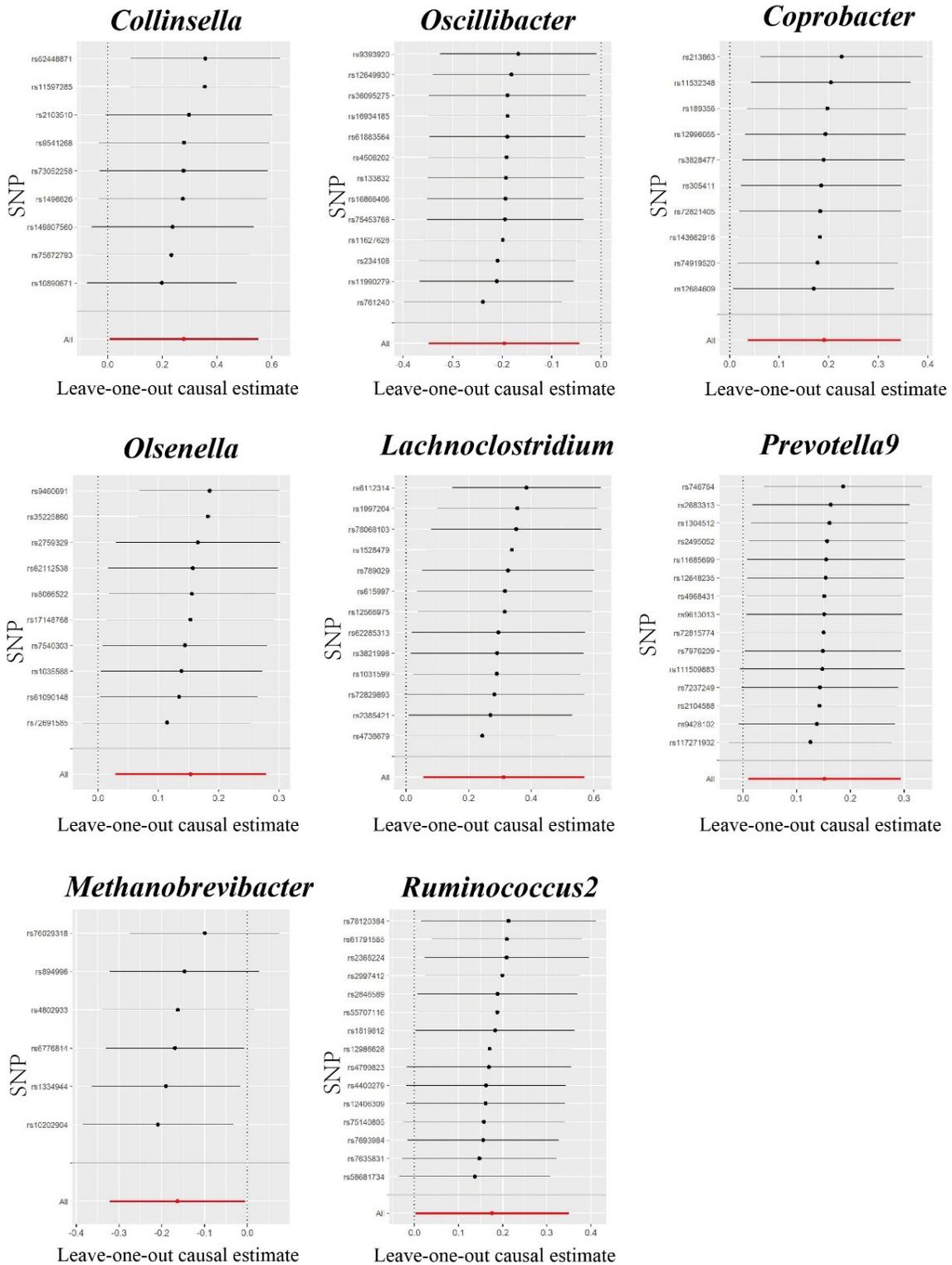
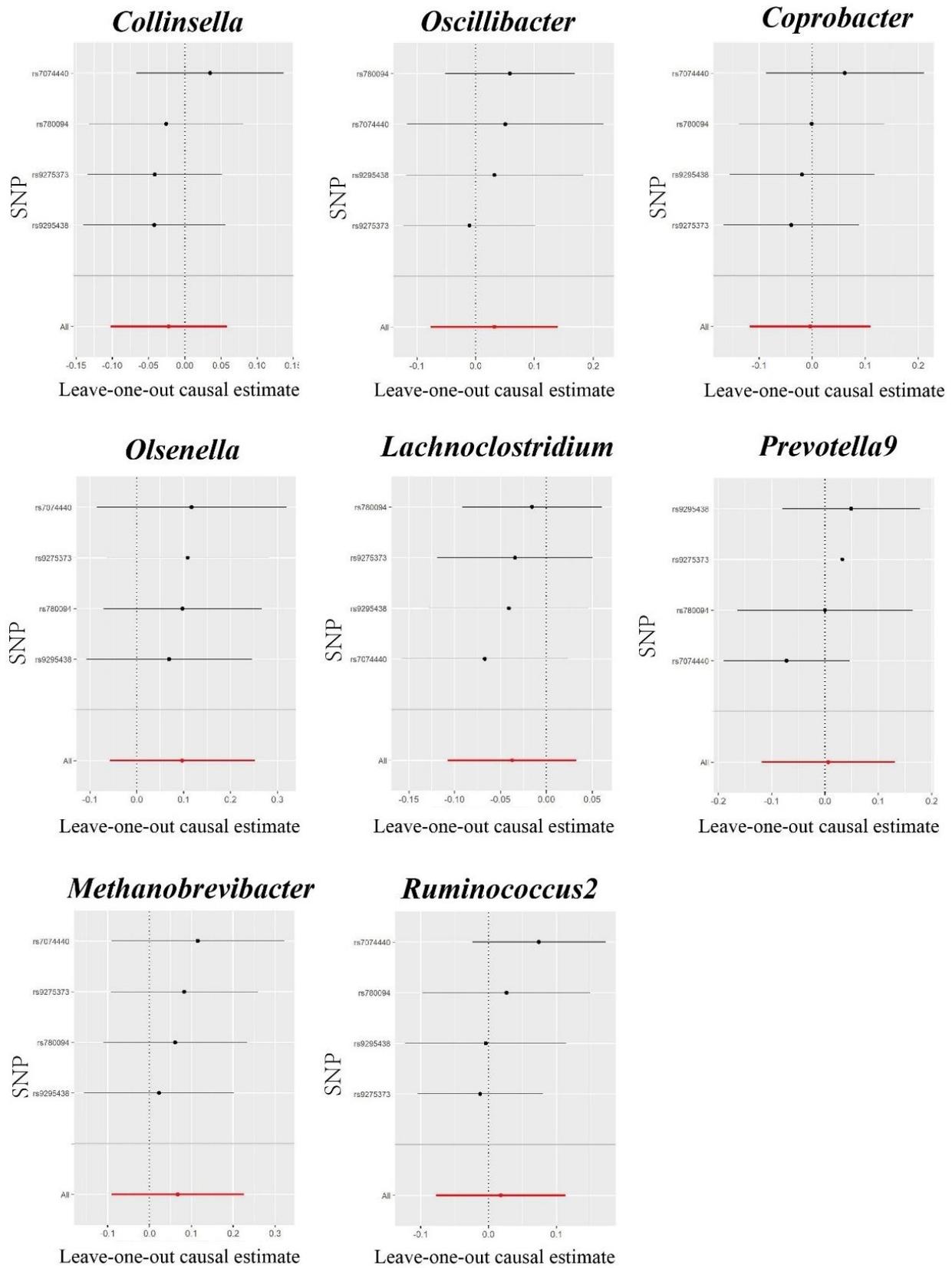


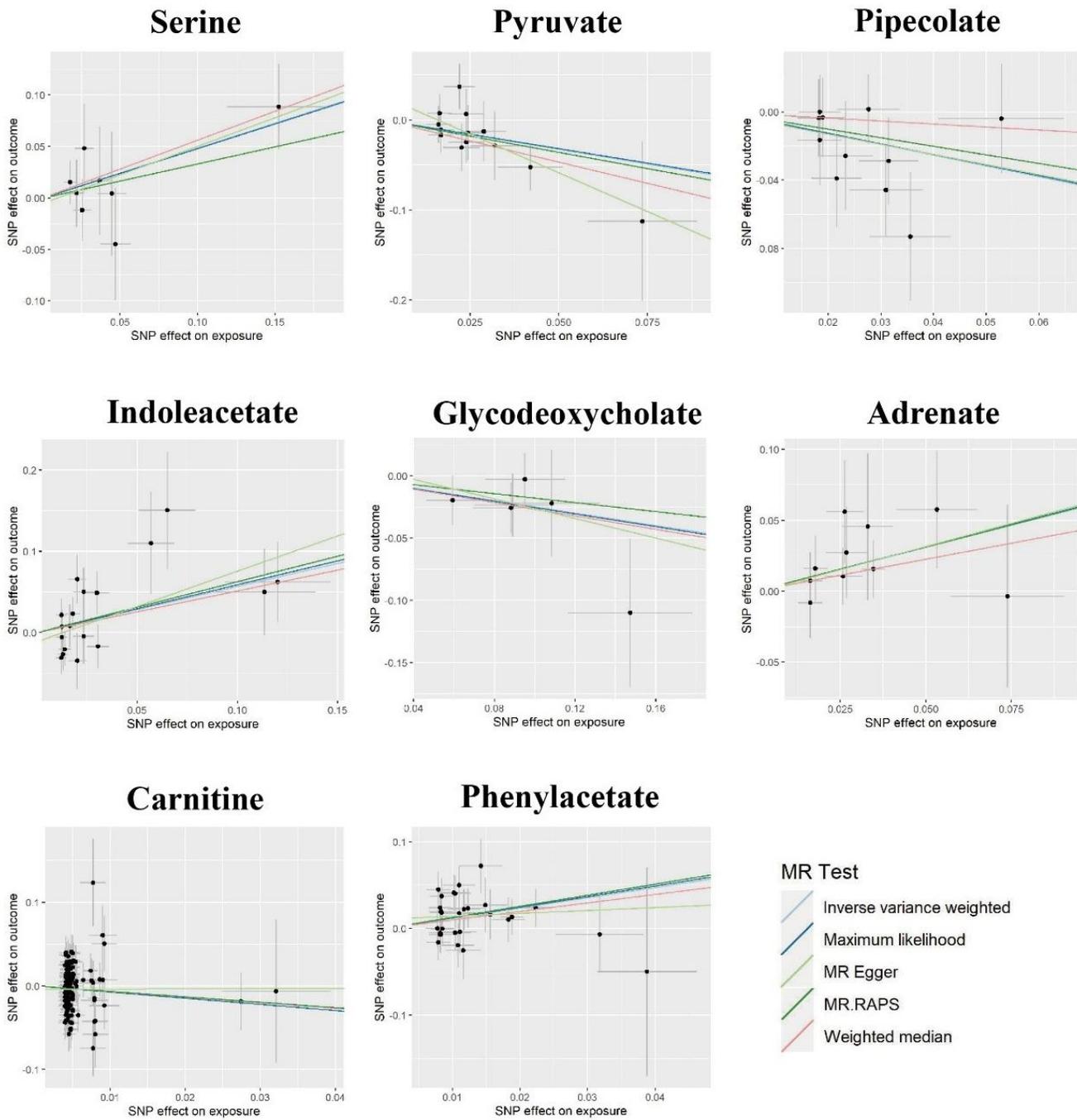
**SUPPLEMENTARY FIGURES**



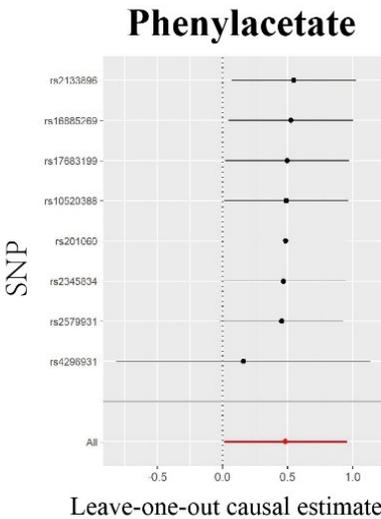
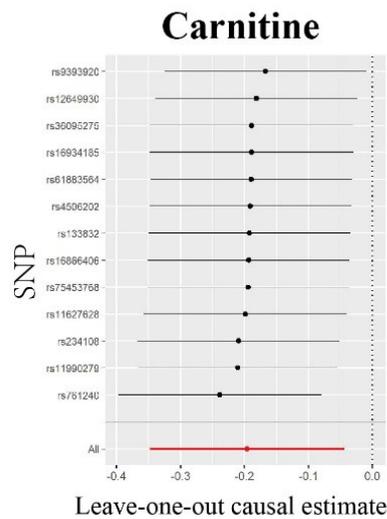
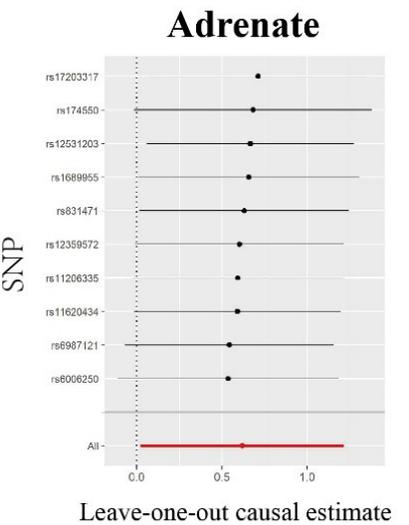
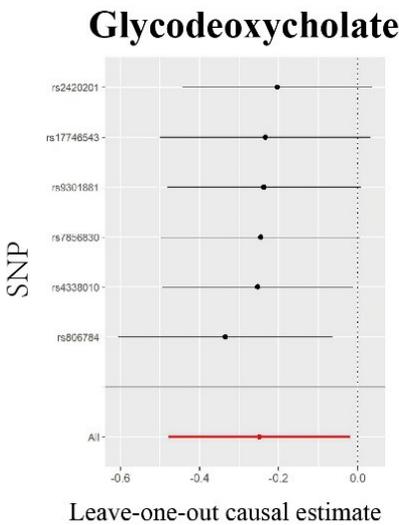
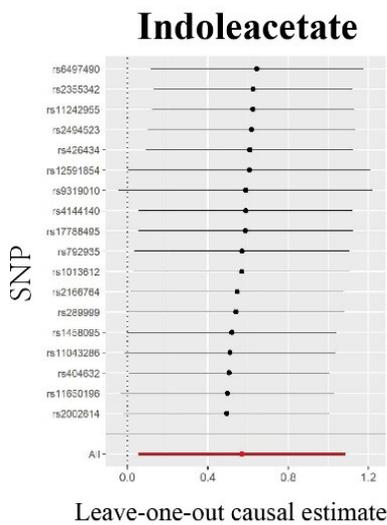
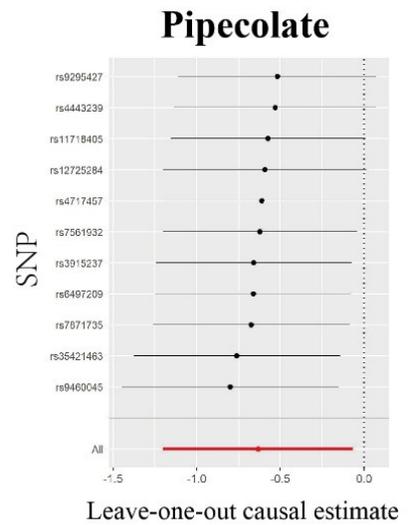
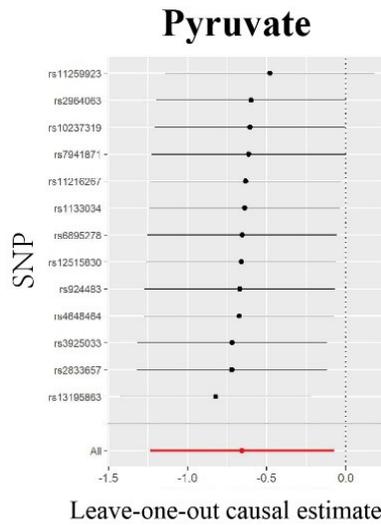
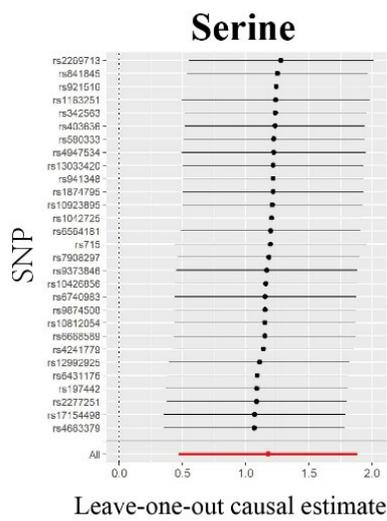
**Supplementary Figure 1. Leave-one-out plots for the causal association between gut microbiota and GDM in forward MR analyses.**



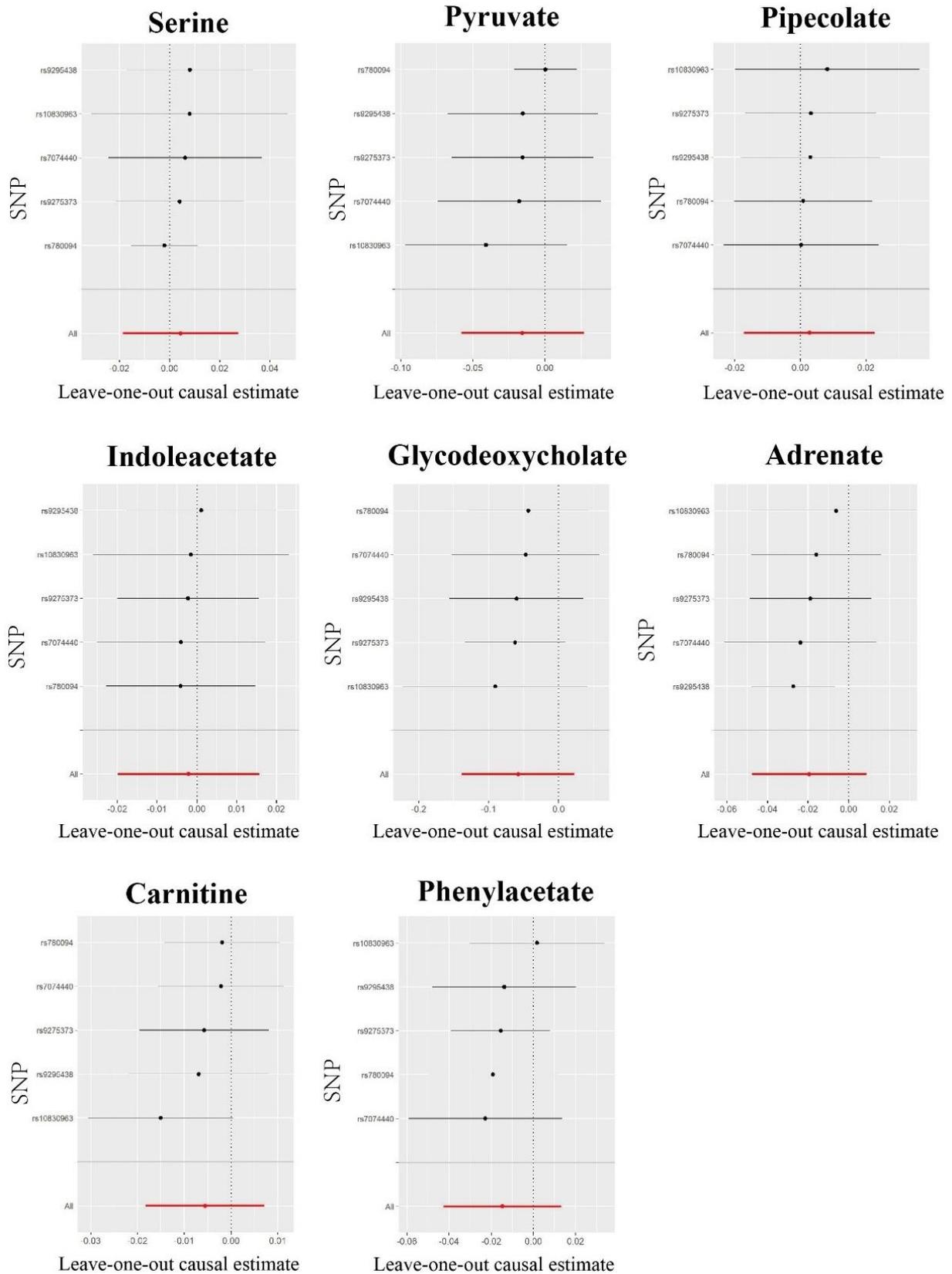
Supplementary Figure 2. Leave-one-out plots for the causal association between GDM and gut microbiota in reverse MR analyses.



Supplementary Figure 3. Scatter plots for the causal association between gut microbiota-derived metabolites and GDM.



Supplementary Figure 4. Leave-one-out plots for the causal association between gut microbiota-derived metabolites and GDM in forward MR analyses.



Supplementary Figure 5. Leave-one-out plots for the causal association between gut microbiota-derived metabolites and GDM in reverse MR analyses.