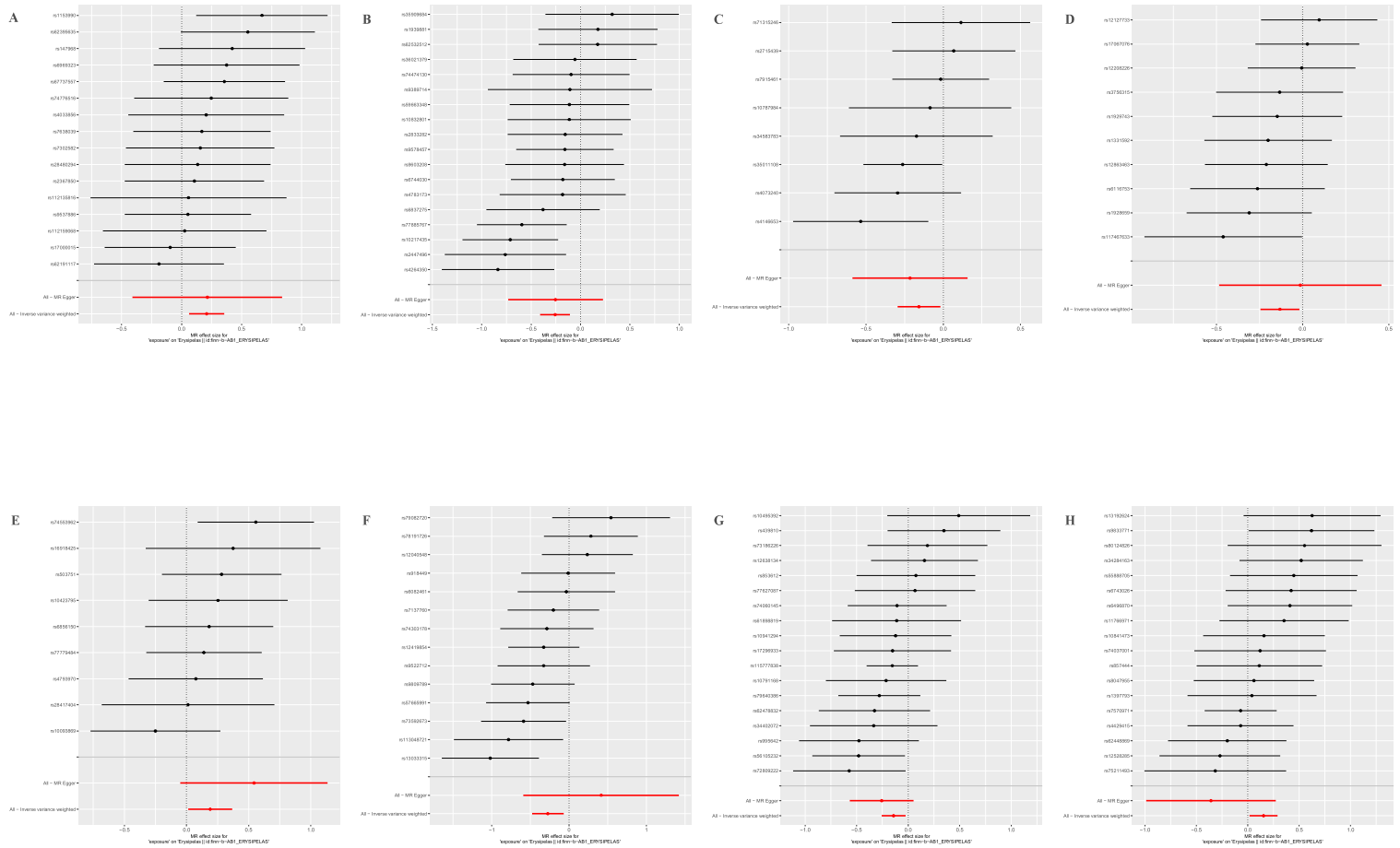
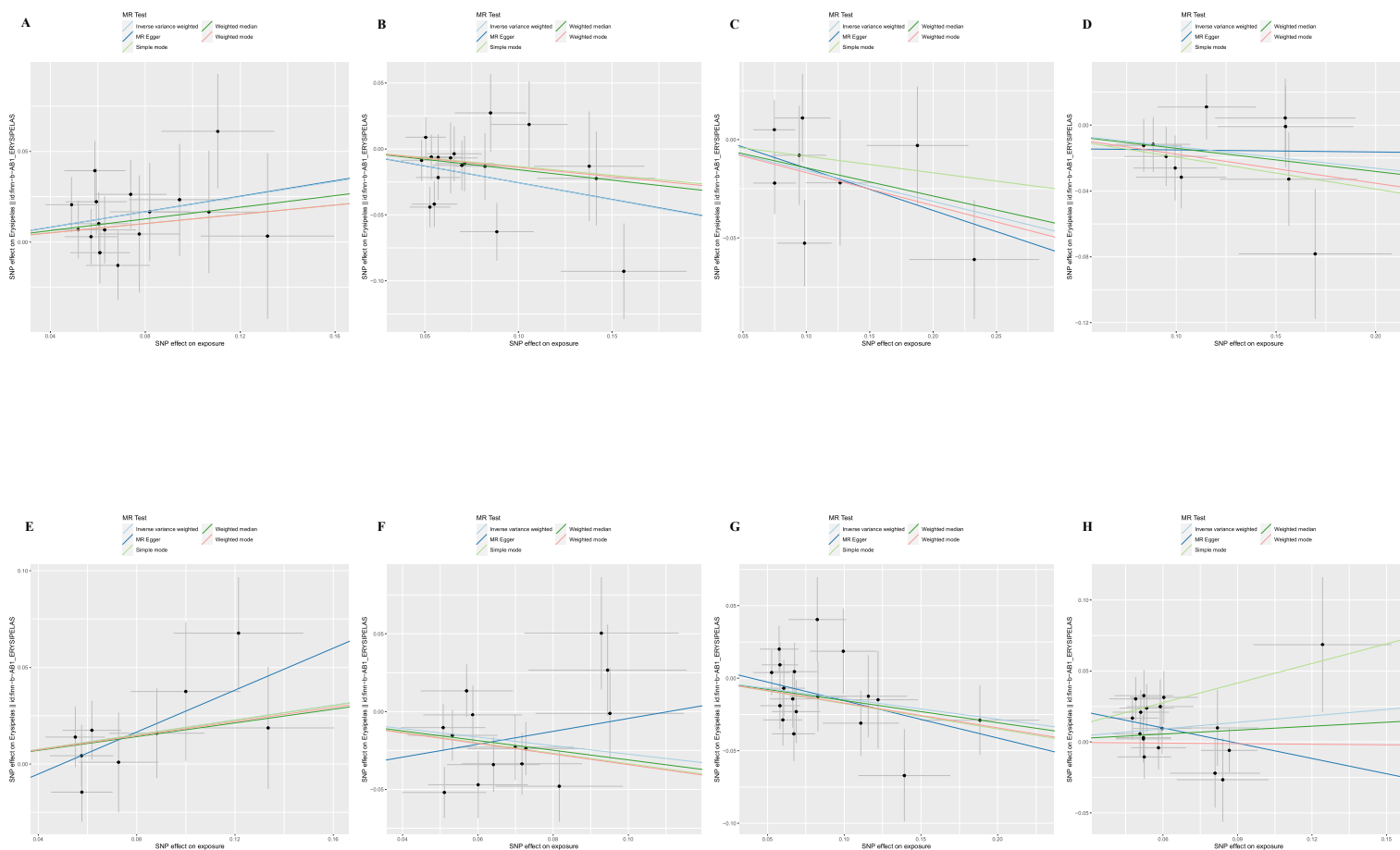


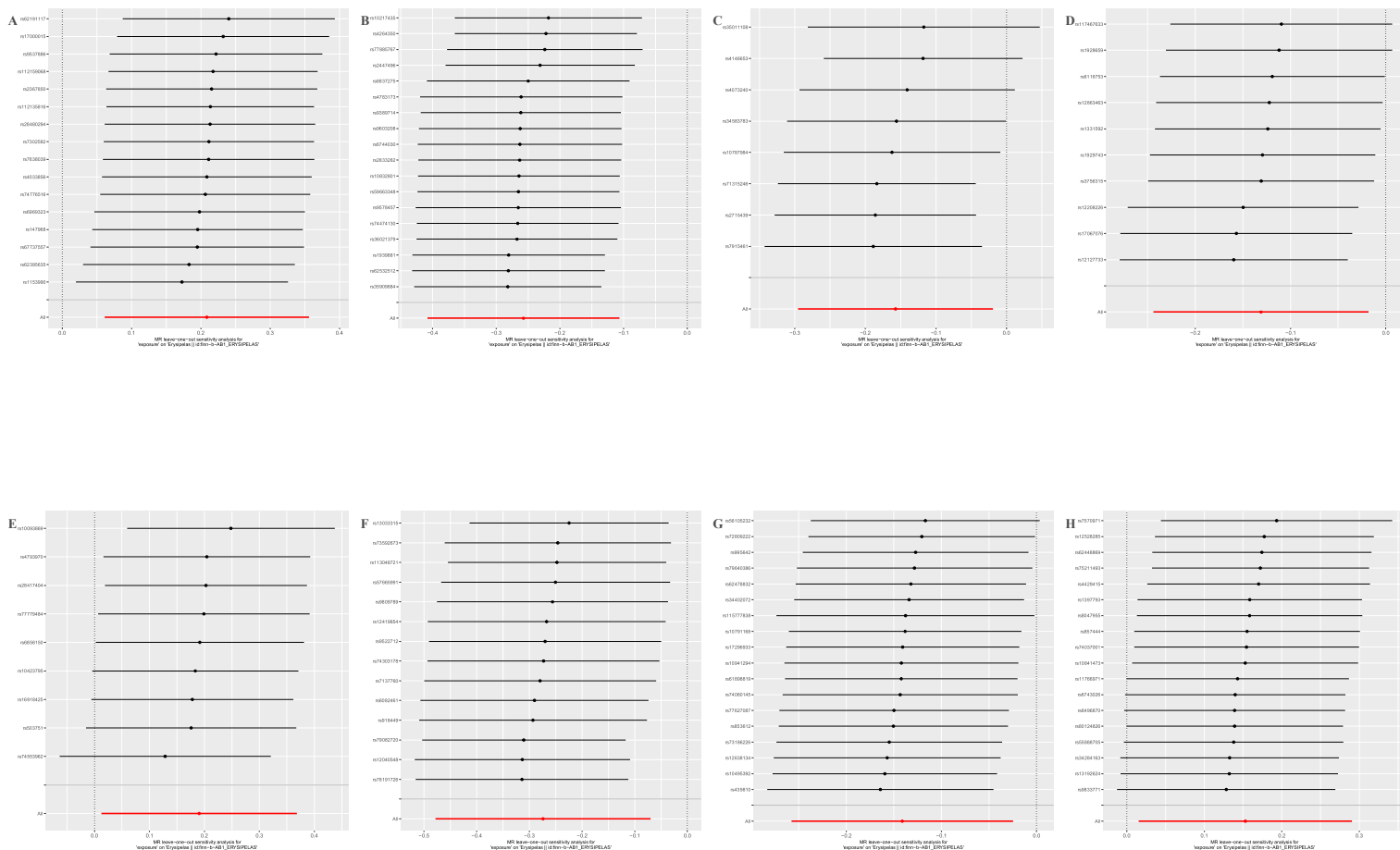
Supplementary Material



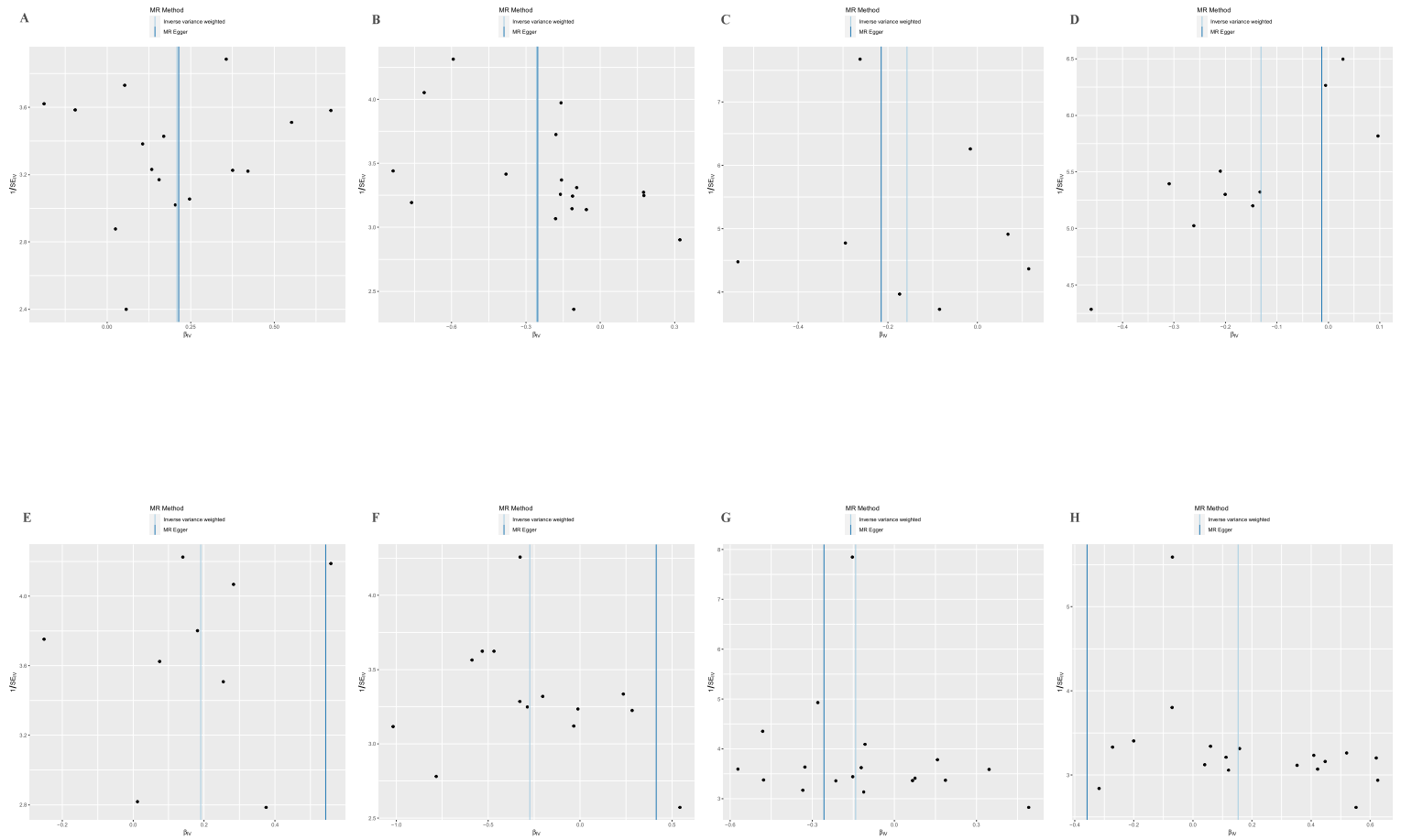
Supplementary Figure 1. Forest plots of the causal effects of gut microbiota on the risk of erysipelas. **(A)** Alcaligenaceae; **(B)** Rikenellaceae; **(C)** Actinomyces; **(D)** LachnospiraceaeNC2004group; **(E)** Odoribacter; **(F)** Ruminiclostridium9; **(G)** RuminococcaceaeUCG014; **(H)** Actinobacteria.



Supplementary Figure 2. Scatter plots of the causal effect of gut microbiota on the risk of erysipelas. **(A)** Alcaligenaceae; **(B)** Rikenellaceae; **(C)** Actinomyces; **(D)** LachnospiraceaeNC2004group; **(E)** Odoribacter; **(F)** Ruminiclostridium9; **(G)** RuminococcaceaeUCG014; **(H)** Actinobacteria.

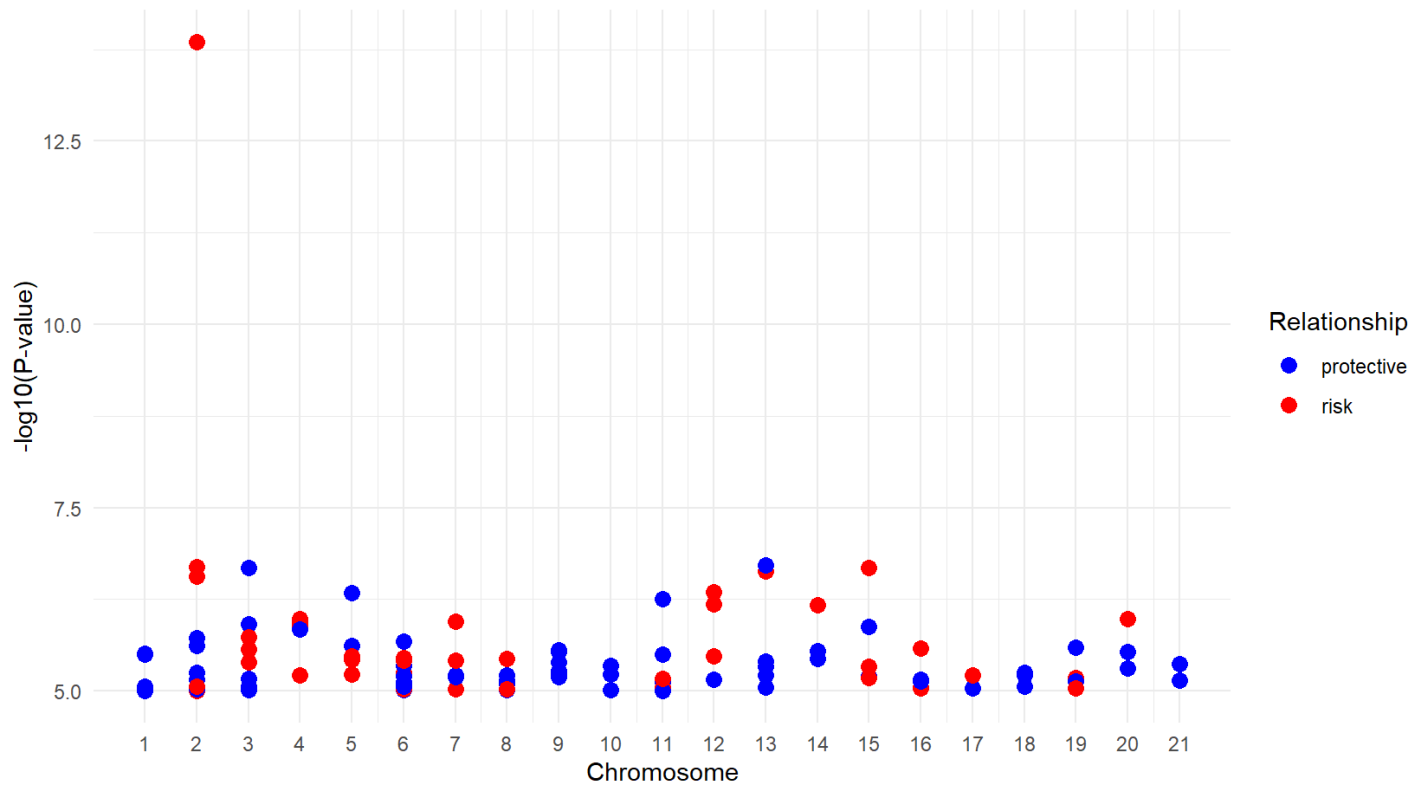


Supplementary Figure 3. Leave-one-out sensitivity analyses of the causal effects of gut microbiota on the risk of erysipelas. **(A)** Alcaligenaceae; **(B)** Rikenellaceae; **(C)** Actinomyces; **(D)** LachnospiraceaeNC2004group; **(E)** Odoribacter; **(F)** Ruminiclostridium9; **(G)** RuminococcaceaeUCG014; **(H)** Actinobacteria.



Supplementary Figure 4. Funnel-plot of the causal effects of gut microbiota on the risk of erysipelas. **(A)** Alcaligenaceae; **(B)** Rikenellaceae; **(C)** Actinomyces; **(D)** LachnospiraceaeNC2004group; **(E)** Odoribacter; **(F)** Ruminiclostridium9; **(G)** RuminococcaceaeUCG014; **(H)** Actinobacteria.

SNP Associations with Erysipelas Risk in Gut Microbiome Study



Supplementary Figure 5. SNP associations with Erysipelas risk in gut microbiome study.