

Additional Figures

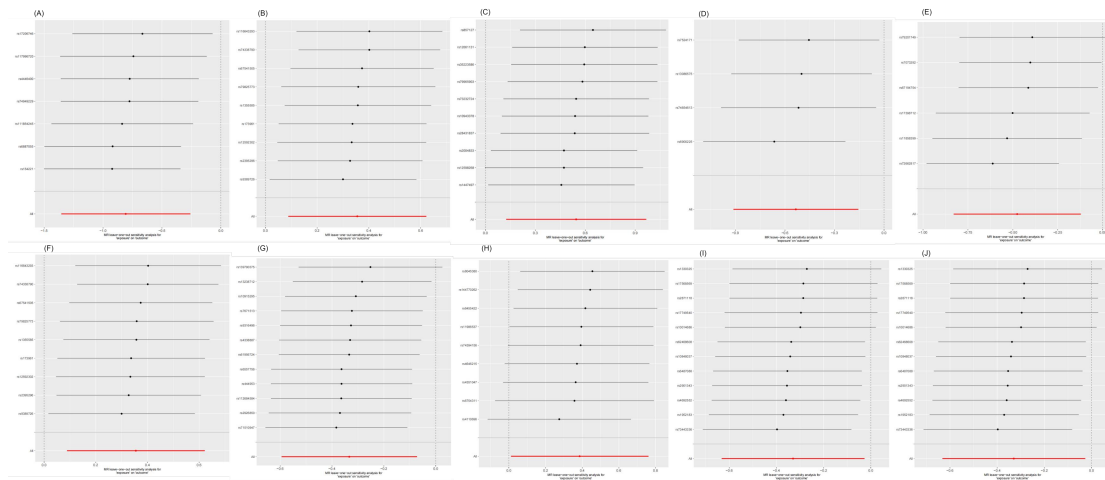
Figure S1. MR leave-one-out sensitivity analysis for Gut microbiota on esophageal cancer.

Figure S2. Scatter plots for the effect of Gut microbiota on esophageal cancer.

Figure S3. Funnel plots for the effect of Gut microbiota on esophageal cancer.

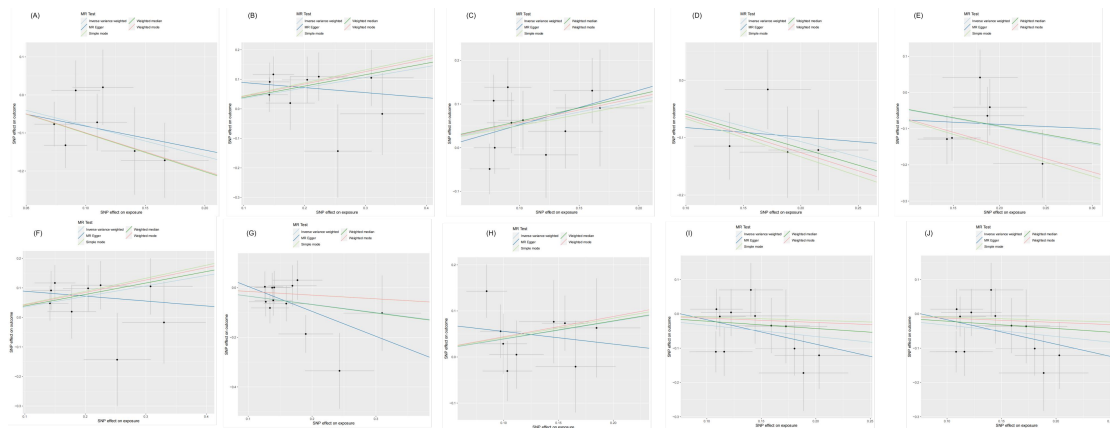
Figure S4. Forest plots for the effect of Gut microbiota on esophageal cancer.

Figure S1. MR leave-one-out sensitivity analysis for Gut microbiota on esophageal cancer.



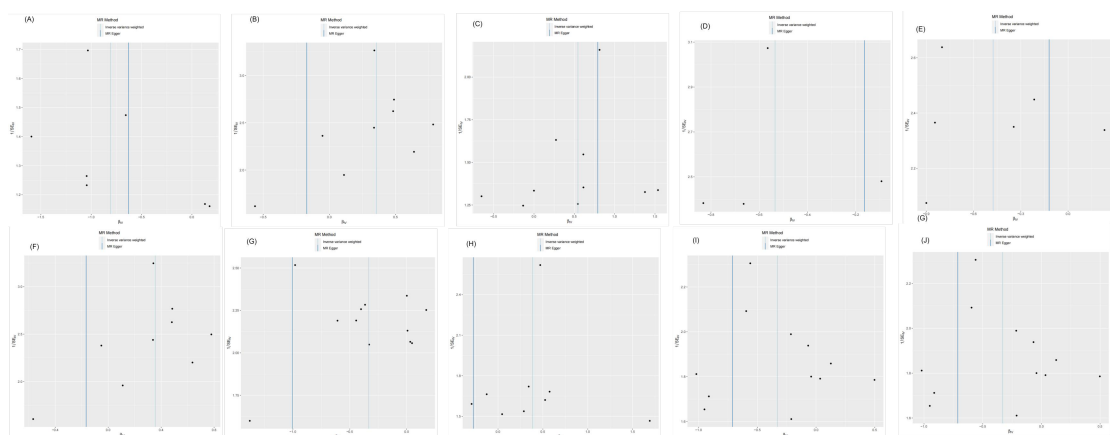
- (A) Analysis for "family Ruminococcaceae" on "esophageal cancer"
- (B) Analysis for "genus Phascolarctobacterium" on "esophageal cancer"
- (C) Analysis for "phylum Proteobacteria" on "esophageal cancer"
- (D) Analysis for "species Streptococcus thermophilus" on "esophageal cancer"
- (E) Analysis for "species Clostridium leptum" on "esophageal cancer"
- (F) Analysis for "species Phascolarctobacterium succinatutens" on "esophageal cancer"
- (G) Analysis for "genus Erysipelotrichaceae noname" on "esophageal cancer"
- (H) Analysis for "species Bifidobacterium esophageal cancerolescentis" on "esophageal cancer"
- (I) Analysis for "species Eubacterium hallii" on "esophageal cancer"
- (J) Analysis for "species Holdemania unclassified" on "esophageal cancer"

Figure S2. Scatter plots for the effect of Gut microbiota on esophageal cancer.



- (A) Analysis for "family Ruminococcaceae" on "esophageal cancer"
- (B) Analysis for "genus Phascolarctobacterium" on "esophageal cancer"
- (C) Analysis for "phylum Proteobacteria" on "esophageal cancer"
- (D) Analysis for "species Streptococcus thermophilus" on "esophageal cancer"
- (E) Analysis for "species Clostridium leptum" on "esophageal cancer"
- (F) Analysis for "species Phascolarctobacterium succinatutens" on "esophageal cancer"
- (G) Analysis for "genus Erysipelotrichaceae noname" on "esophageal cancer"
- (H) Analysis for "species Bifidobacterium esophageal cancerolescentis" on "esophageal cancer"
- (I) Analysis for "species Eubacterium hallii" on "esophageal cancer"
- (J) Analysis for "species Holdemanella unclassified" on "esophageal cancer"

Figure S3. Funnel plots for the effect of Gut microbiota on esophageal cancer.



- (A) Analysis for "family Ruminococcaceae" on "esophageal cancer"
- (B) Analysis for "genus Phascolarctobacterium" on "esophageal cancer"
- (C) Analysis for "phylum Proteobacteria" on "esophageal cancer"
- (D) Analysis for "species Streptococcus thermophilus" on "esophageal cancer"
- (E) Analysis for "species Clostridium leptum" on "esophageal cancer"

(F) Analysis for "species *Phascolarctobacterium succinatutens*" on "esophageal cancer"

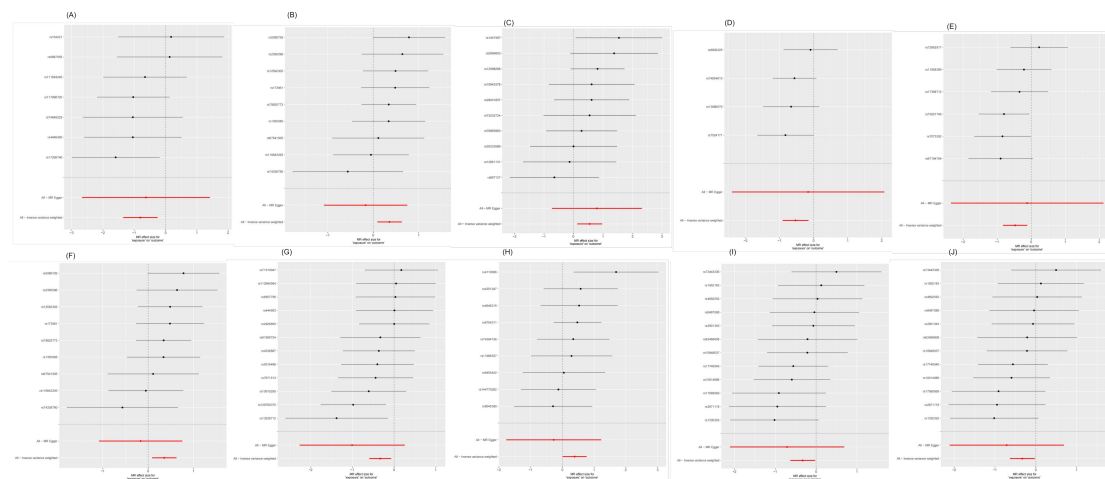
(G) Analysis for "genus *Erysipelotrichaceae* noname" on "esophageal cancer"

(H) Analysis for "species *Bifidobacterium esophageal cancerolescentis*" on "esophageal cancer"

(I) Analysis for "species *Eubacterium hallii*" on "esophageal cancer"

(J) Analysis for "species *Holdemania unclassified*" on "esophageal cancer"

Figure S4. Forest plots for the effect of Gut microbiota on esophageal cancer.



(A) Analysis for "family Ruminococcaceae" on "esophageal cancer"

(B) Analysis for "genus *Phascolarctobacterium*" on "esophageal cancer"

(C) Analysis for "phylum Proteobacteria" on "esophageal cancer"

(D) Analysis for "species *Streptococcus thermophilus*" on "esophageal cancer"

(E) Analysis for "species *Clostridium leptum*" on "esophageal cancer"

(F) Analysis for "species *Phascolarctobacterium succinatutens*" on "esophageal cancer"

(G) Analysis for "genus *Erysipelotrichaceae* noname" on "esophageal cancer"

(H) Analysis for "species *Bifidobacterium esophageal cancerolescentis*" on "esophageal cancer"

(I) Analysis for "species *Eubacterium hallii*" on "esophageal cancer"

(J) Analysis for "species *Holdemania unclassified*" on "esophageal cancer"