

Figure S1. Venn diagram comparing two sets of OTUs. Each circle represents a group, and the overlapping area between circles represent the common OTUs between groups. The numerical size of each area indicates the number of OTUs corresponding to that area. Group A (blue), esophageal cancer postoperative tissue group; Group B (orange), esophageal mucosa group. OTU, operational taxonomic unit.

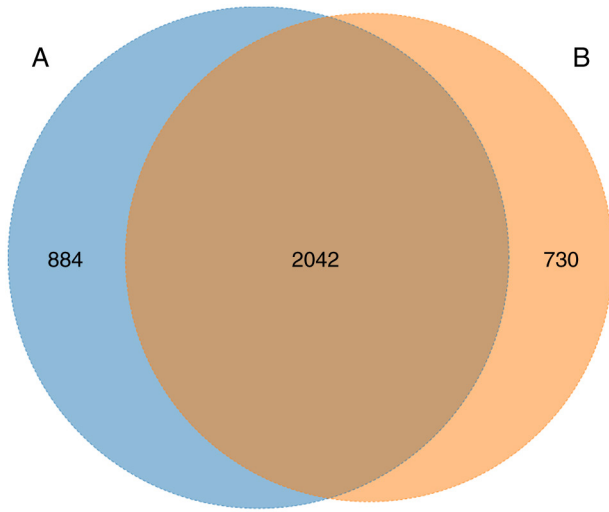


Figure S2. Scatter box plot of the phenotypic gene frequency based on BugBase in the postoperative tissue group (group A) and esophageal mucosa group (group B). (A) Relative abundance of Gram-positive bacteria in the two groups. (B) Relative abundance of Gram-negative bacteria in the two groups. Red represents the postoperative tissue group (group A) and blue represents the esophageal mucosa group (group B). The phenotypic gene frequencies of the two groups are also shown. The thick horizontal line represents the median of the scatter in the group, while the upper and lower horizontal lines denote the upper and lower quartiles of the scatter in the group.

