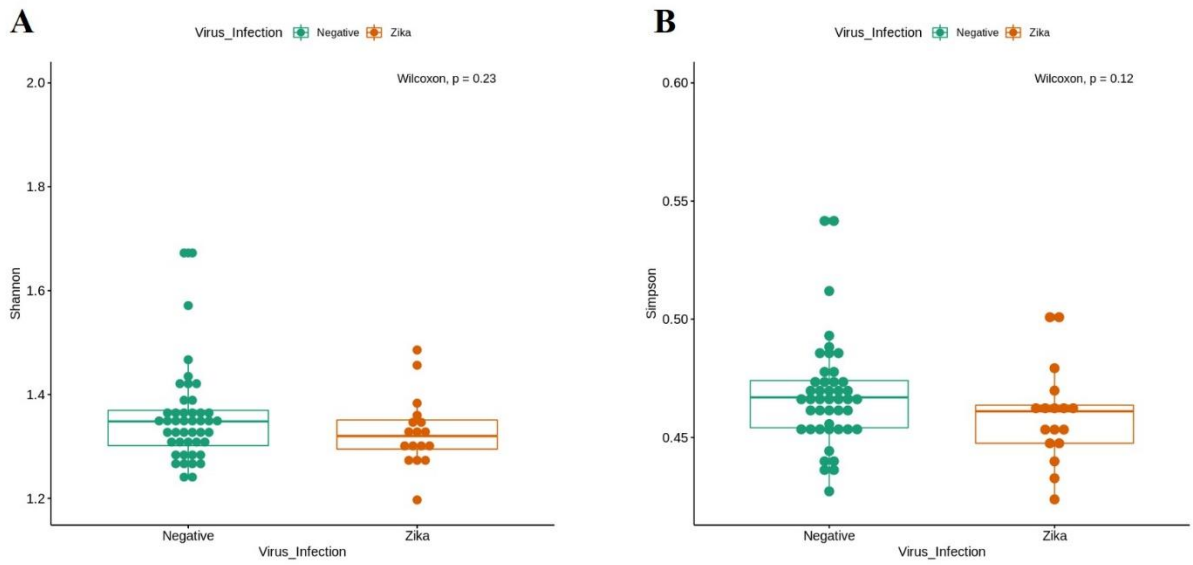
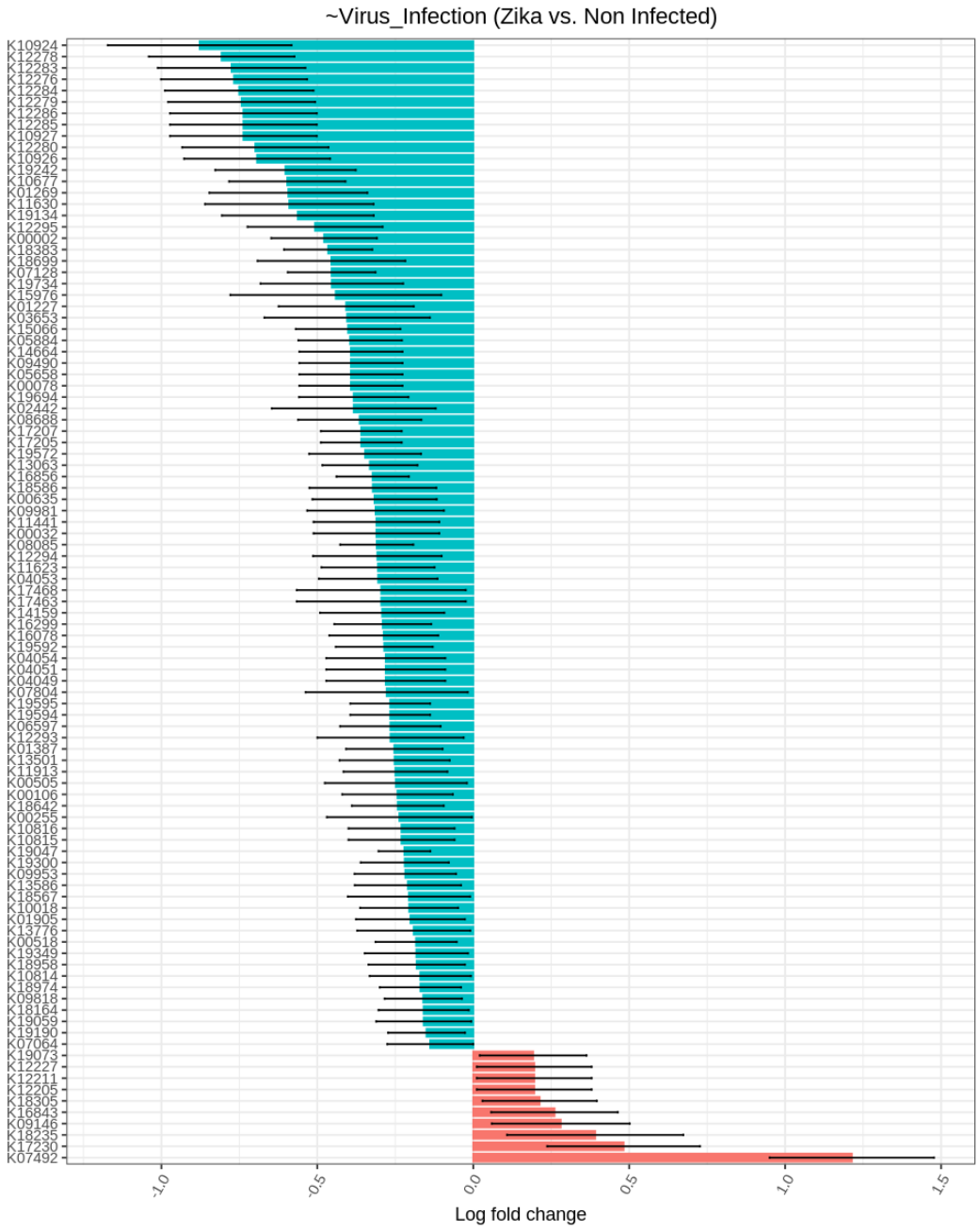
Supplementary Material

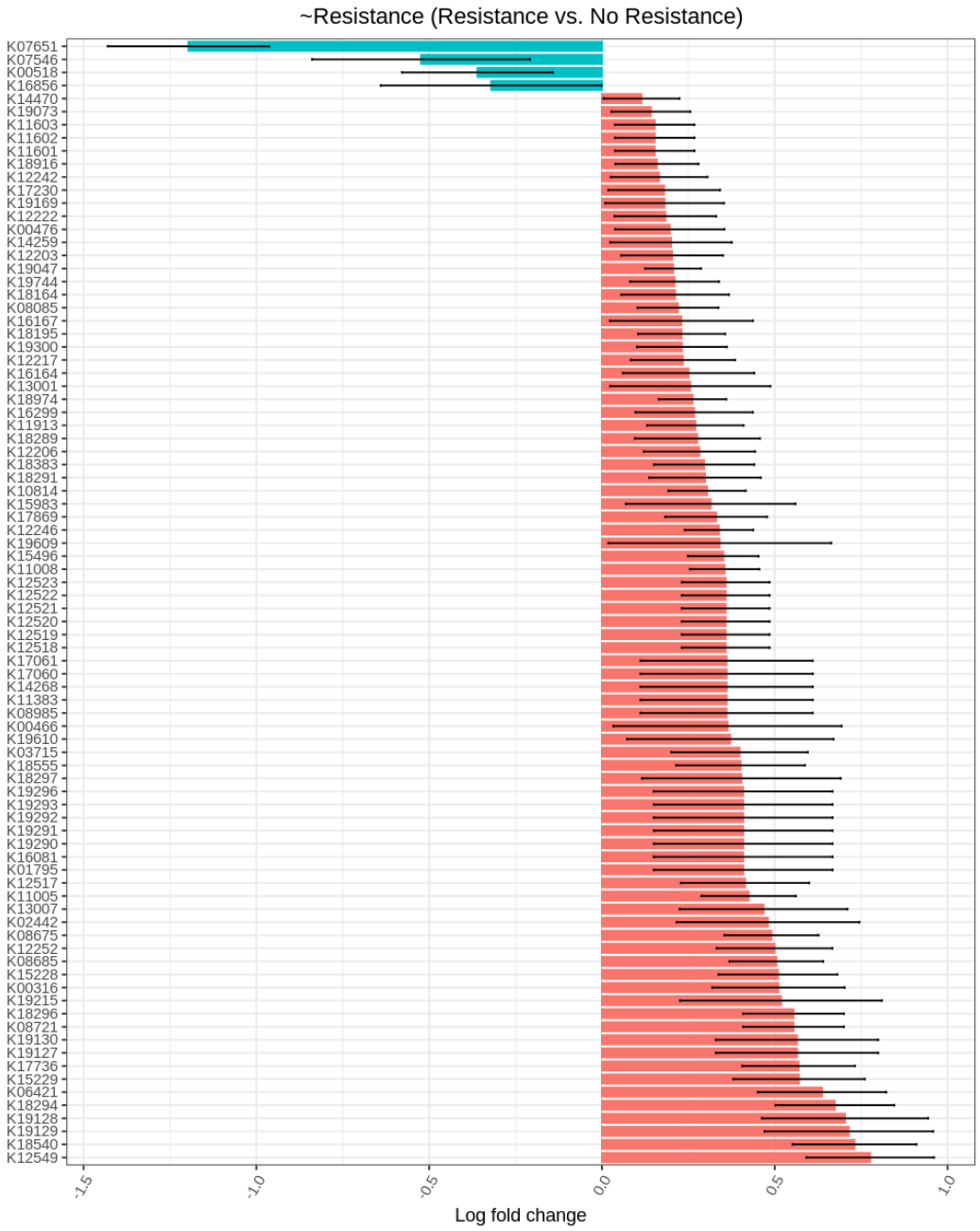
Supplementary Figures



Supplementary Figure S1. Comparison of bacterial diversity in the midgut of ZIKV-infected and non-infected *Ae. aegypti*. Shannon (A) and Simpson (B) alpha diversity indices are shown. Wilcoxon rank-sum tests were conducted under R statistical software version 4.1.2. Groups were not significantly different when $p > 0.05$.



Supplementary Figure S2. KEGG genes with significantly different abundance in *Ae. aegypti* midguts stratified by ZIKV infection using ANCOM-BC ($p < 0.05$).



Supplementary Figure S3. KEGG genes with significantly different abundance in *Ae. aegypti* midguts stratified by lambda-cyhalothrin resistance using ANCOM-BC ($p < 0.05$).

Supplementary Tables

Supplementary Table S1. Principal KEGG pathways associated with ZIKV infection in *Ae. aegypti* midguts.

Supplementary Table S2. Principal KEGG pathways associated with lambda-cyhalothrin resistance in *Ae. aegypti* midguts.