SUPPLEMENTAL FIGURES

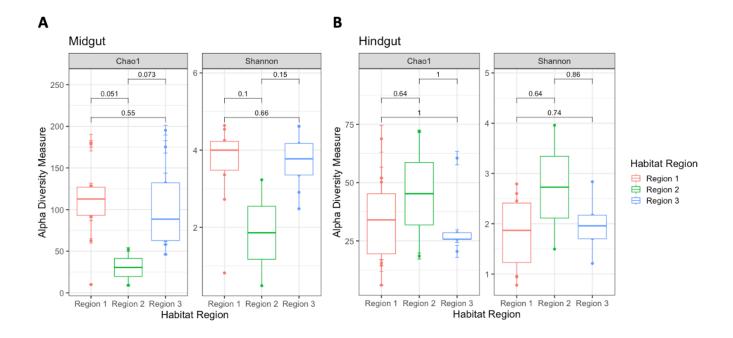


Figure S1. Alpha diversity does not significantly differ by habitat region in the midgut or hindgut. Chao1 and Shannon Diversity Indices were determined for midgut (A) and hindgut (B) microbiomes collected from Regions 1, 2, and 3. Chao1 considers a count of how many unique taxa there are per rarified sample, and Shannon diversity considers both richness or evenness. Boxplots and error bars represent mean \pm SEM. Statistical significance (p < 0.05) was determined via Wilcoxon test.

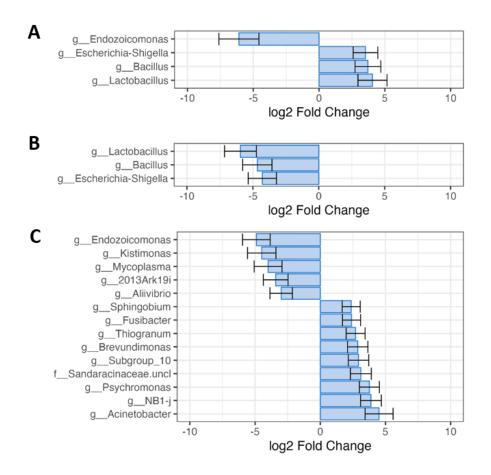


Figure S2. Few differentially abundant taxa are observed in different habitat regions in the hindgut. Differentially abundant taxa in Region 2 compared to Region 1 (A), Region 3 compared to Region 2 (B), and Region 3 compared to Region 1 (C) were assessed by differential abundance analysis using DESeq2/Phyloseq. Significance was defined as differentially abundant genera with an adjusted Wald Chi-Squared Test p-value of <0.01.

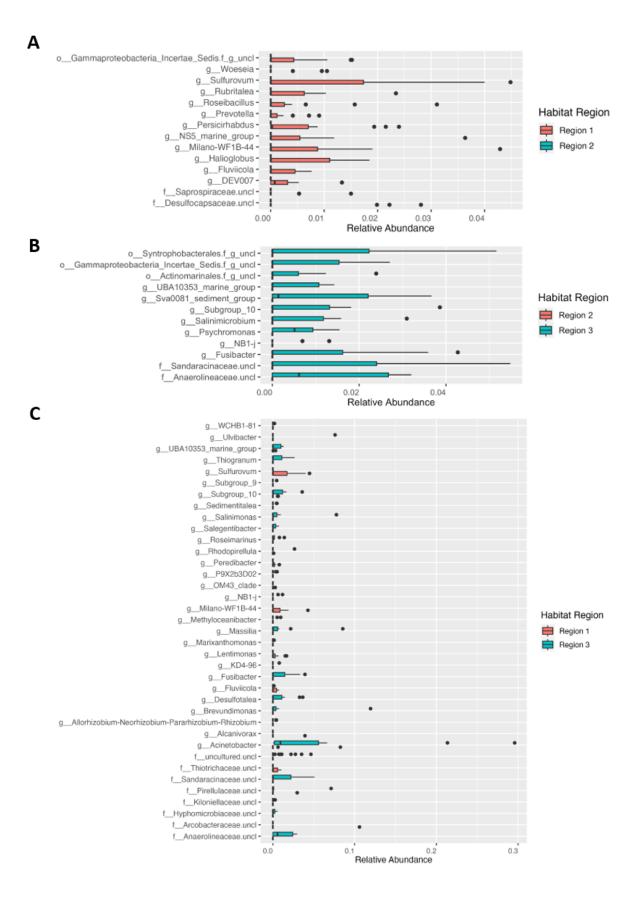


Figure S3. Relatively abundant taxa are observed in different habitat regions in the midgut. Relative abundance of differentially abundant taxa between regions: Region 2 compared to Region 1 (A), Region 3 compared to Region 2 (B), and Region 3 compared to Region 1 (C) were prepared using ggplot2 and phyloseq, using differentially abundant taxa identified using DESeq2.