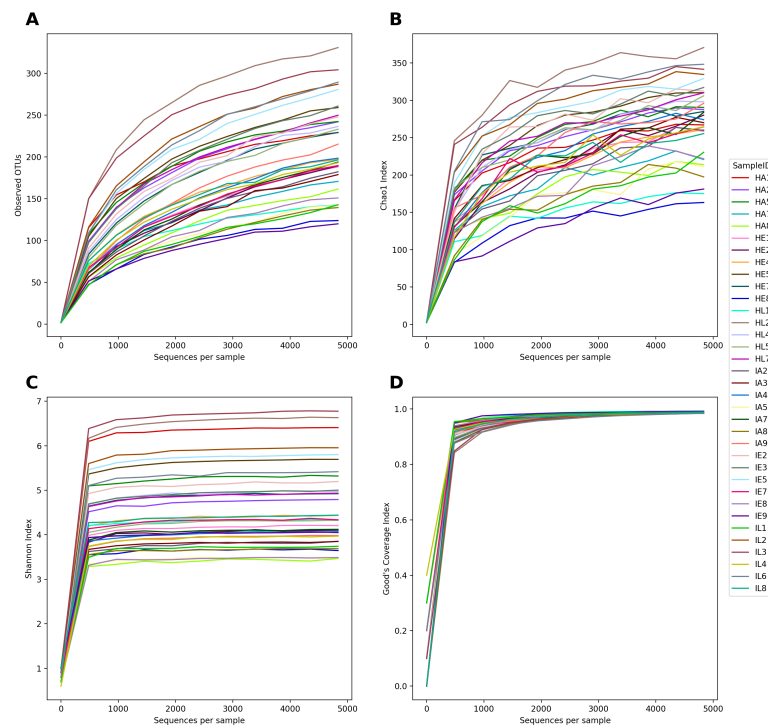


Graphs shrimp genetics 2022

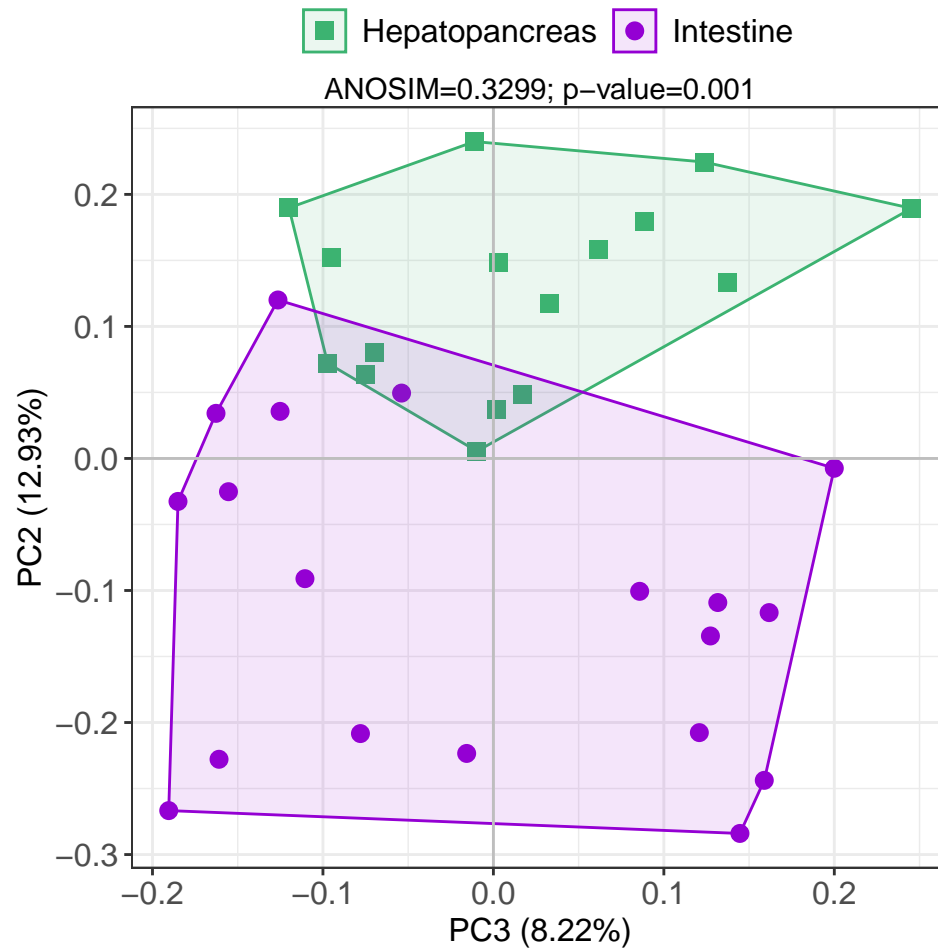
07/12/2022

Supplementary figure 1: Rarefaction curves with all samples. A) Observed OTUs, B) Chao1 Index, C) Shannon Index and D) Good's Coverage

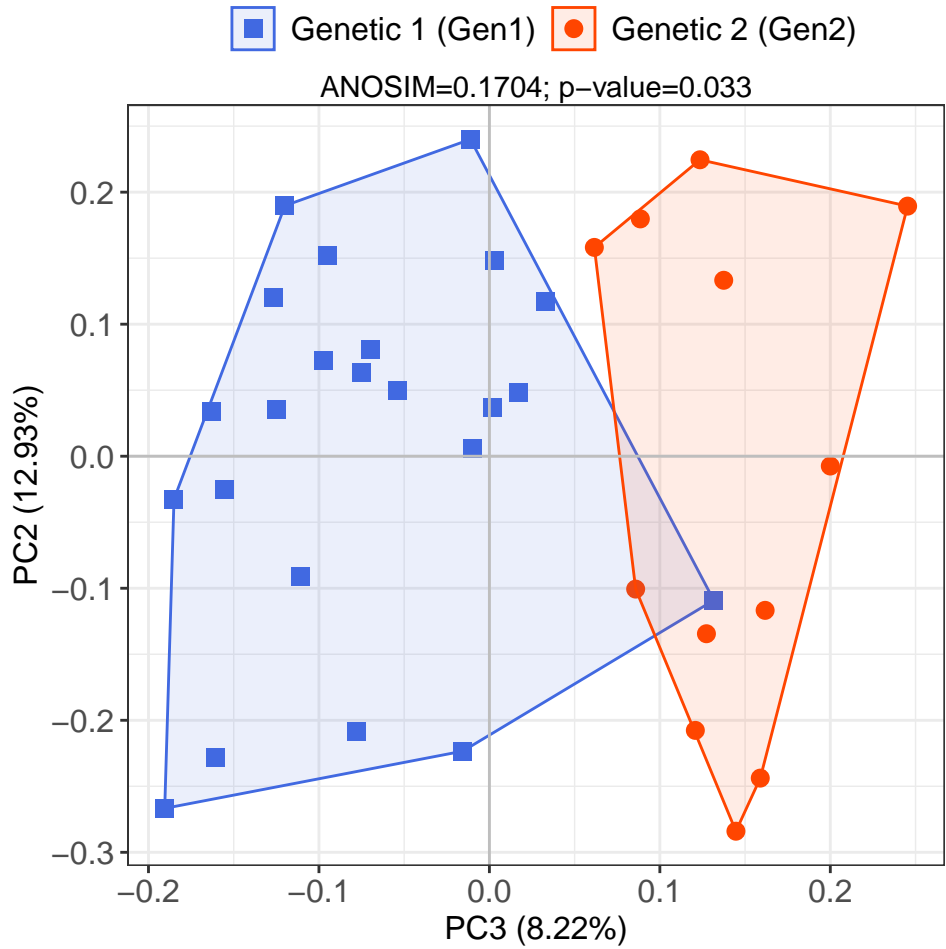


Supplementary figure 2: Beta diversity contrasting Organs, Genetics and Ponds (Jaccard Index)

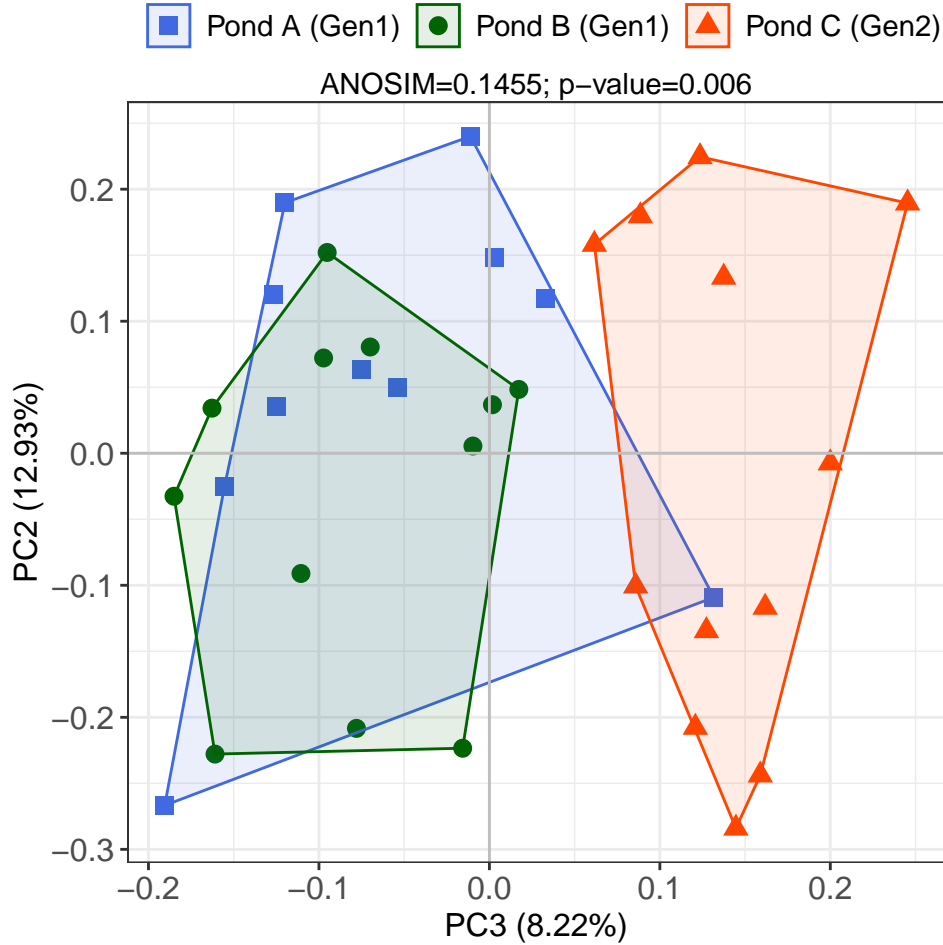
Module A: Beta diversity contrasting Organs



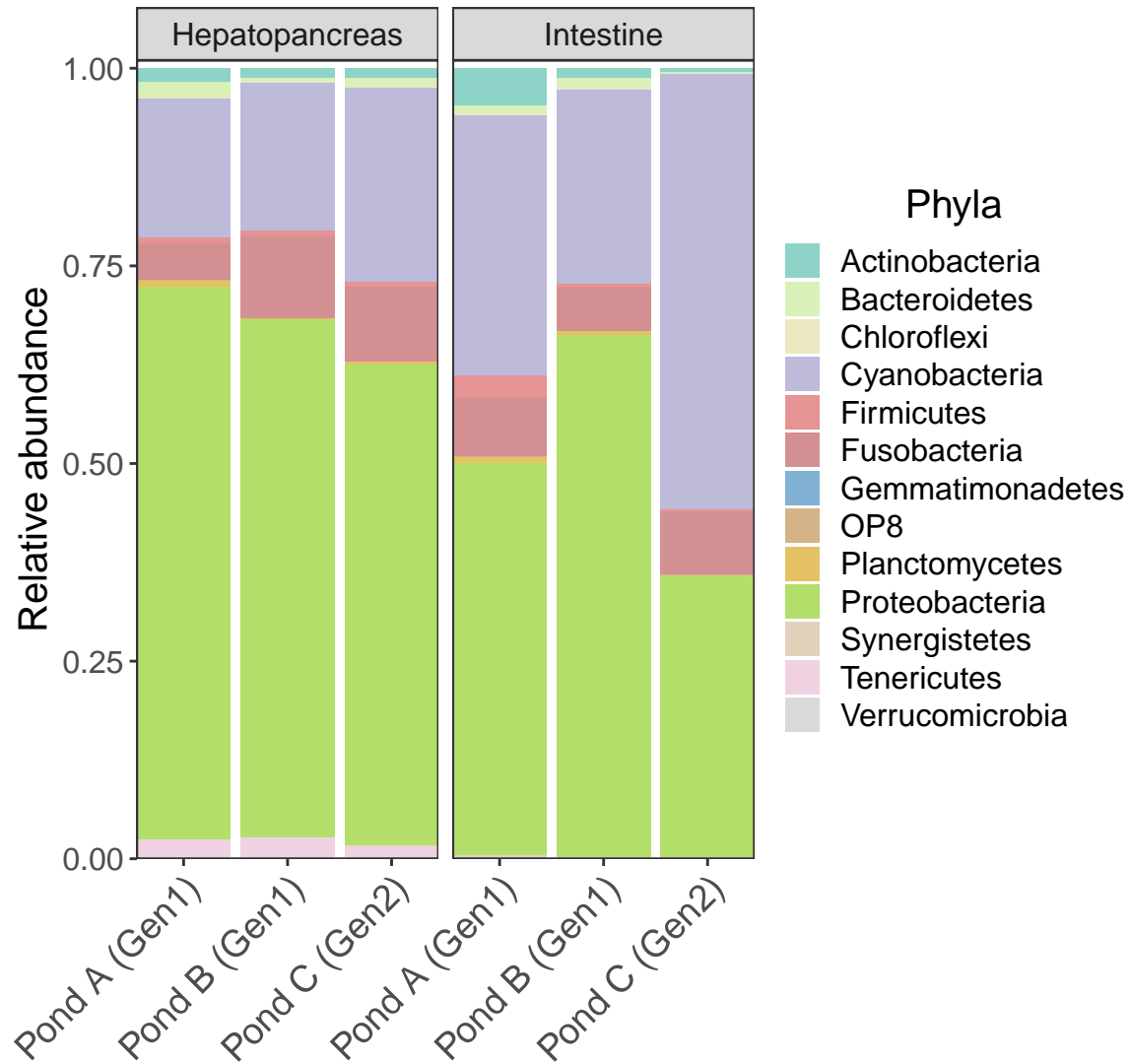
Module B: Beta diversity contrasting Genetics



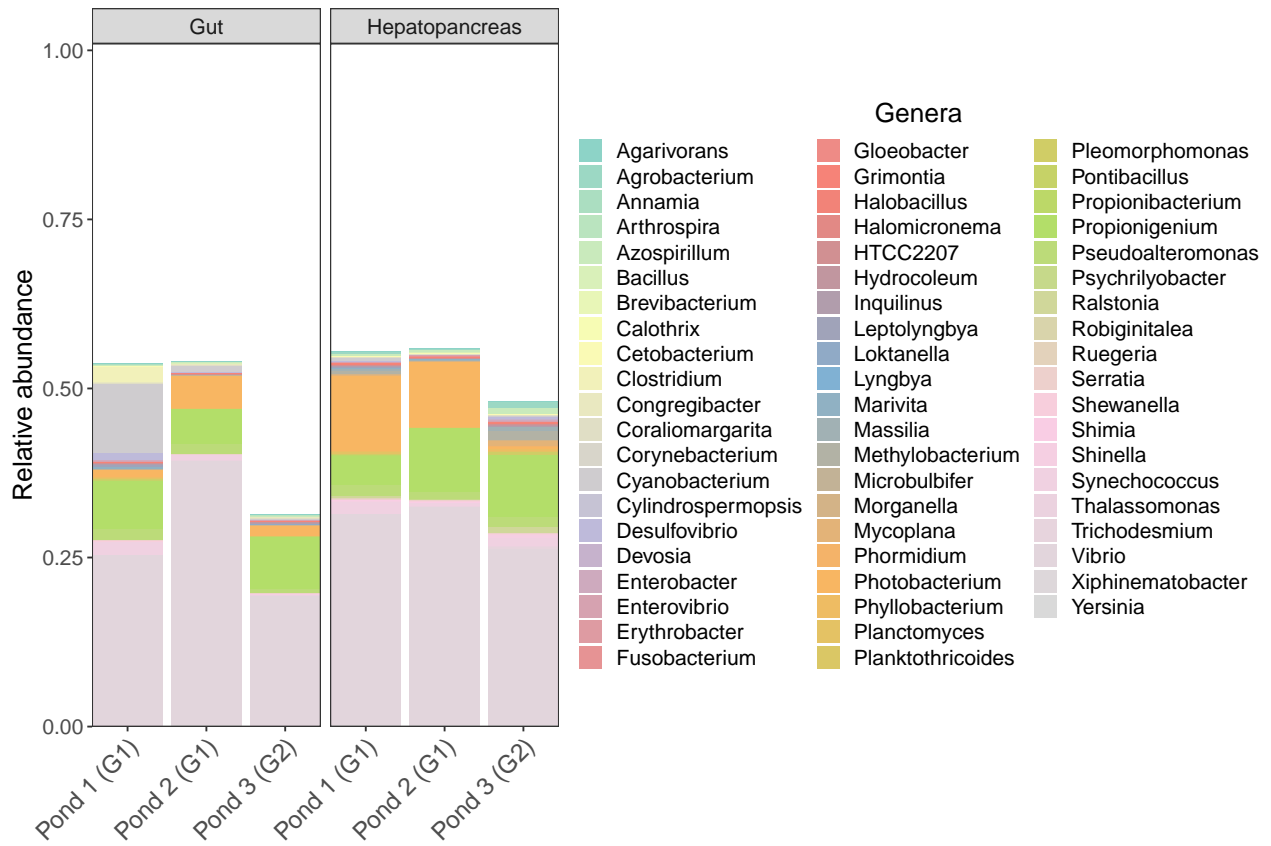
Module C: Beta diversity contrasting Ponds



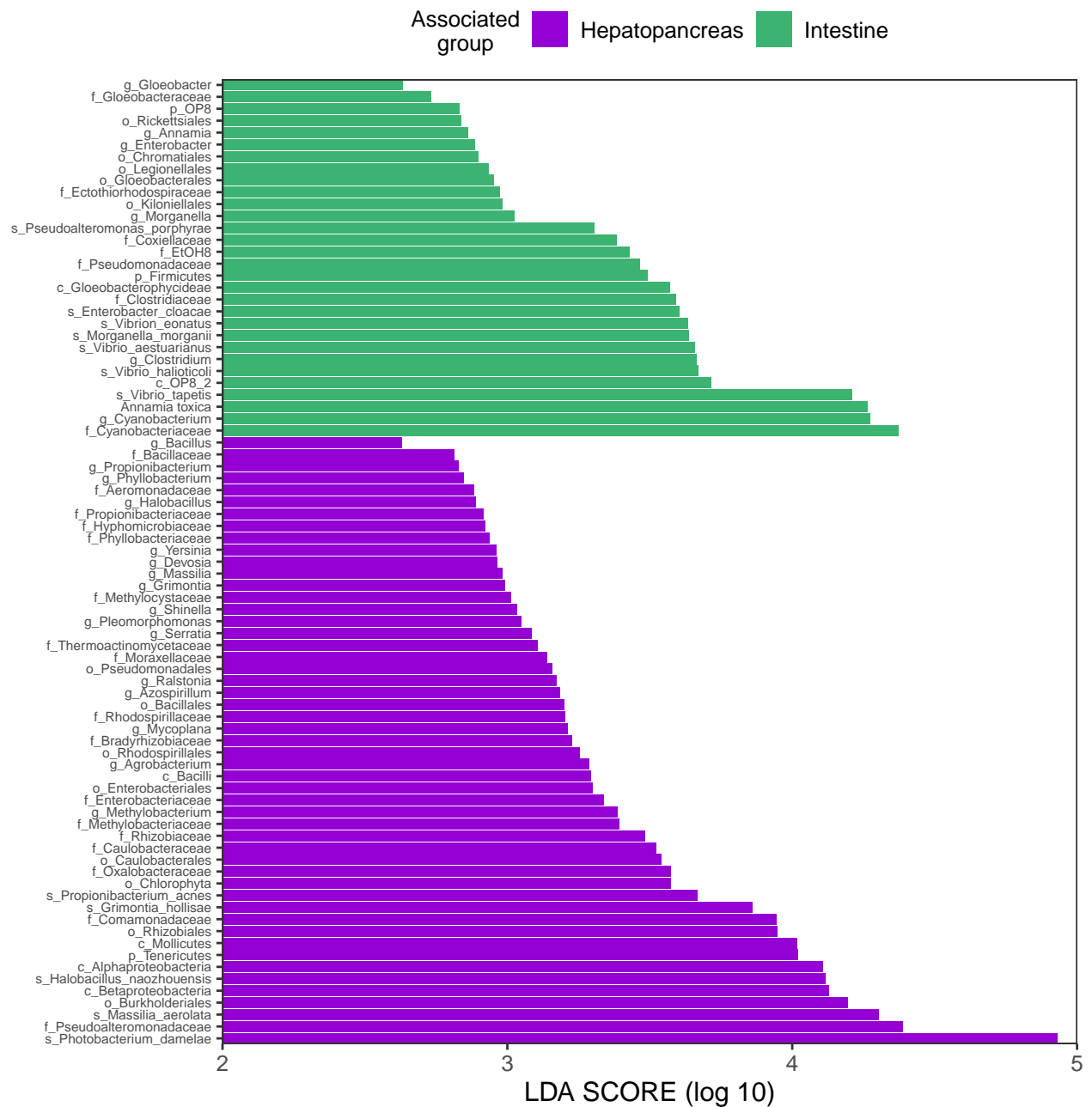
Supplementary figure 3: Taxonomy (>0.01%) at
Module A phyla level



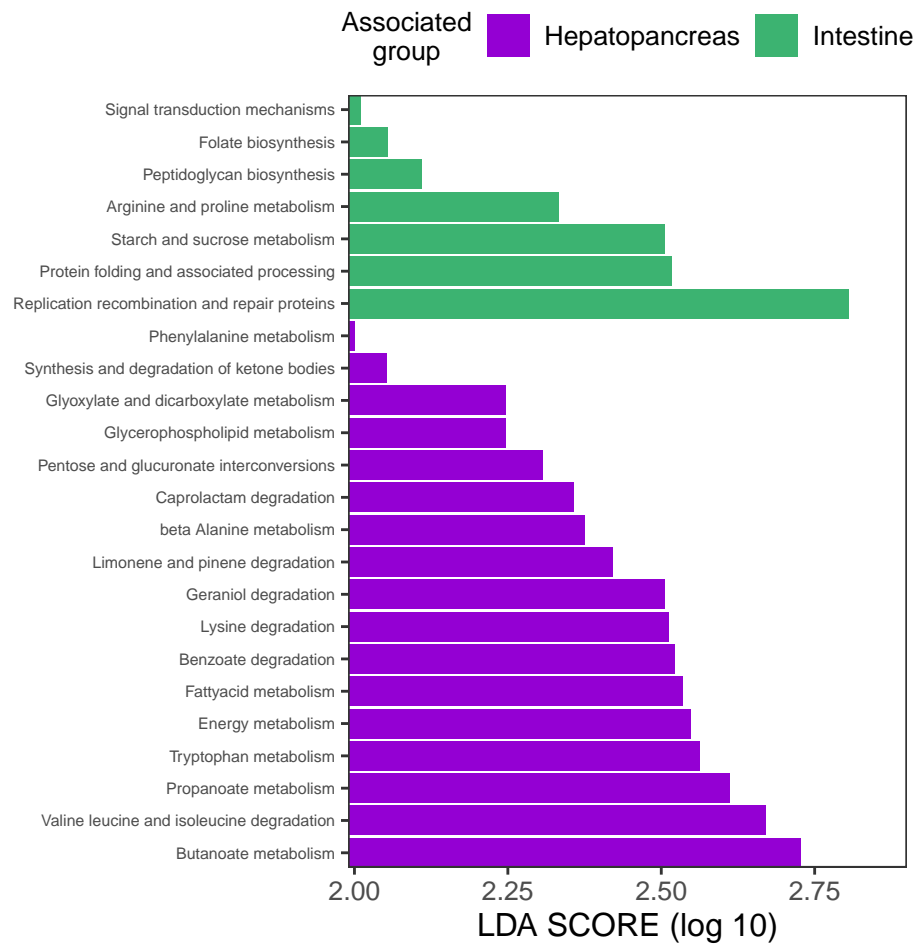
Module B genera level clustered by organ and pond



Supplementary figure 4: LEfSe of taxonomical classification contrasting gut and hepatopancreas samples

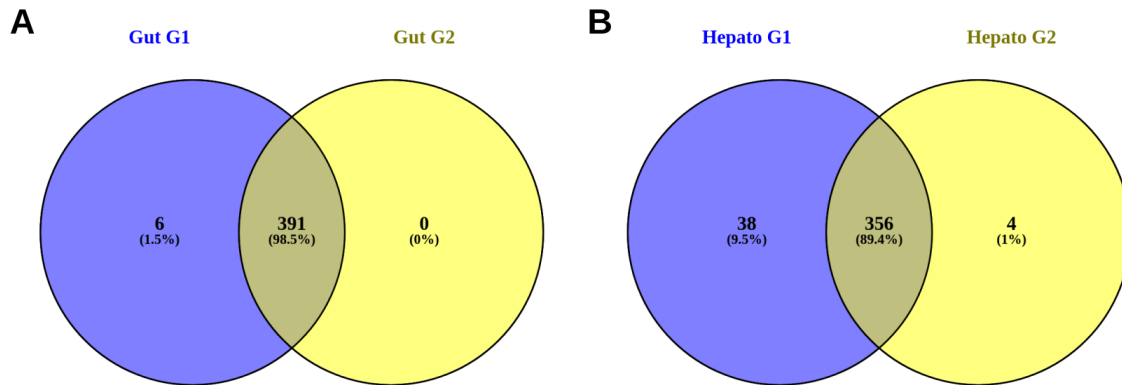


Supplementary figure 5: LEfSe of PICRUSt predicted functions contrasting gut and hepatopancreas samples. KEGG level 3



Supplementary figure 6: LEfSe of PICRUST predicted functions contrasting gut samples between genetics. A) KEGG level 2 and B) KEGG level 3.

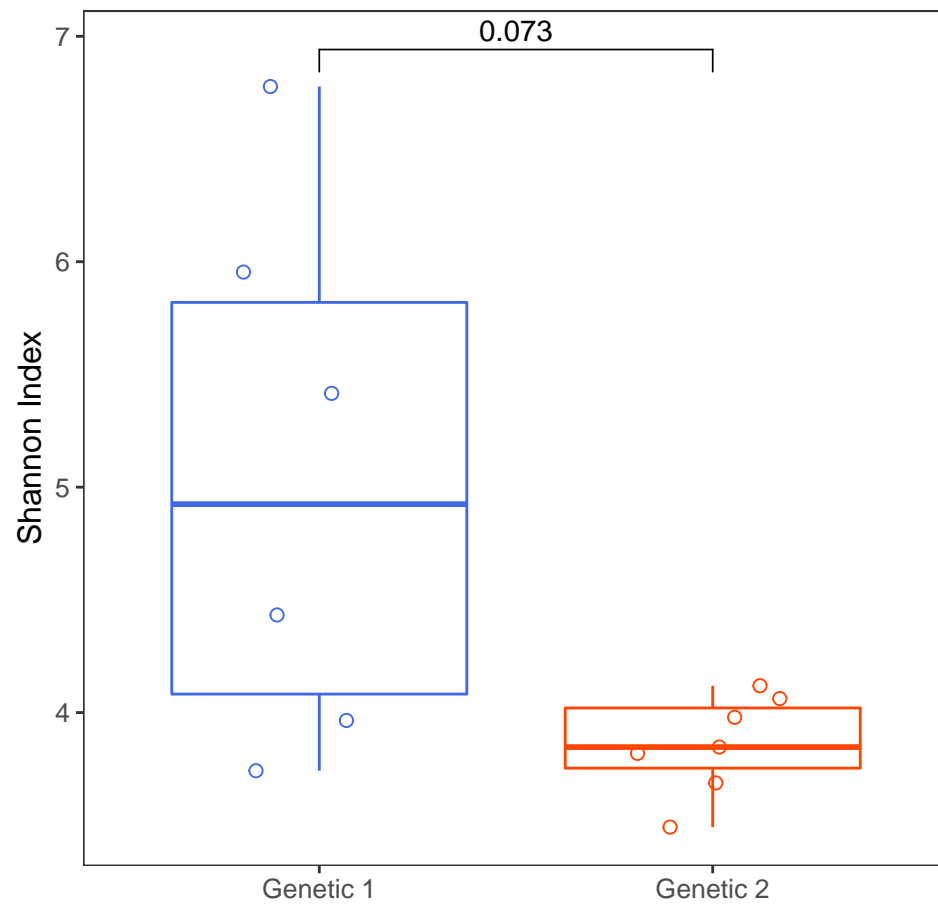
Supplementary figure 7: Venn diagrams of shared OTUs contrasting genetics. A) Intestine samples and B) hepatopancreas samples



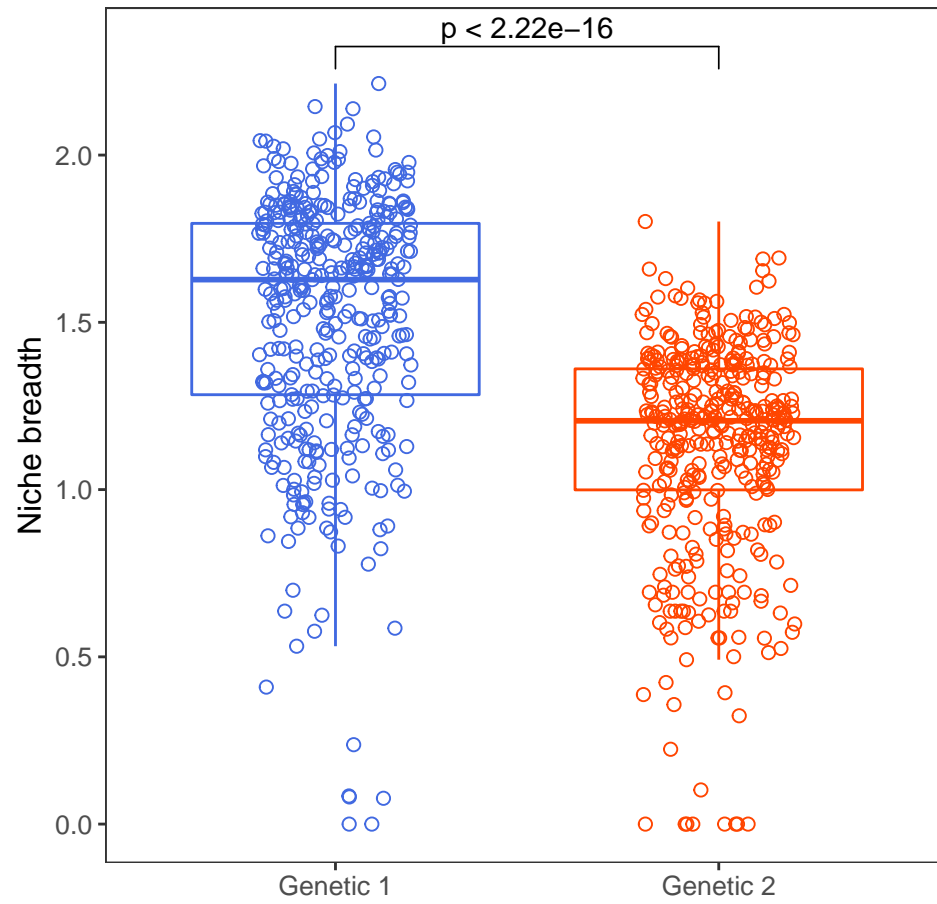
Module A Chao1



Module B Shannon

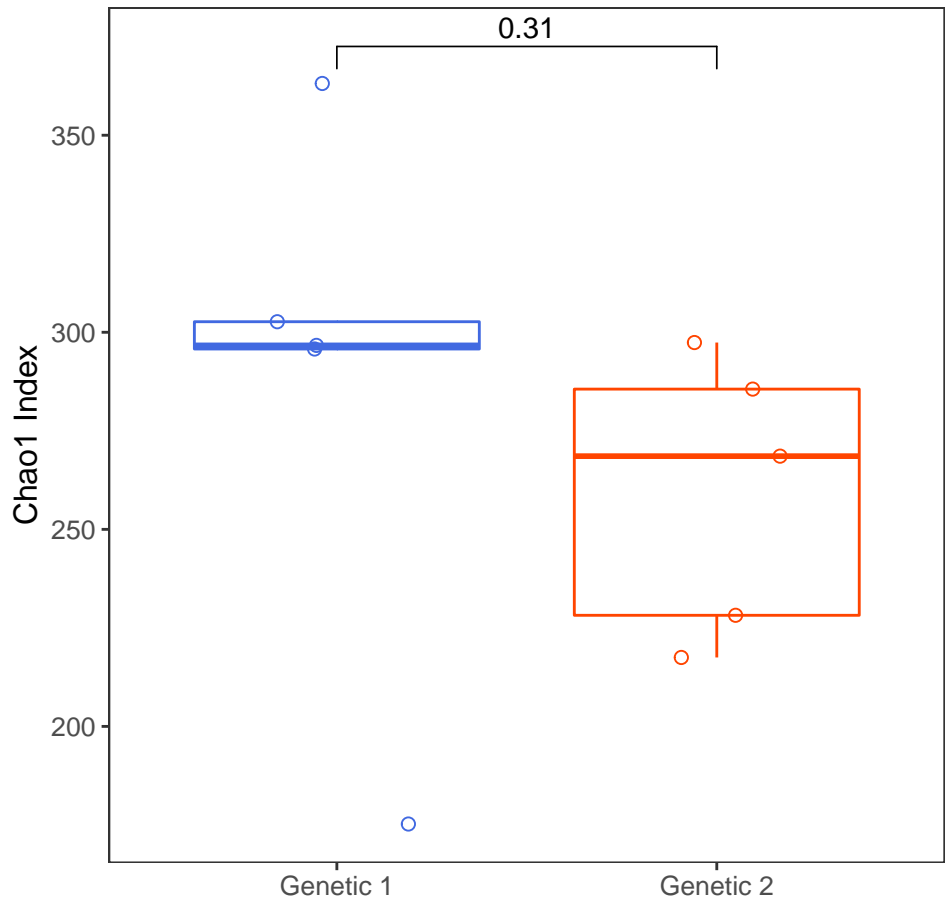


Module C niche breadth

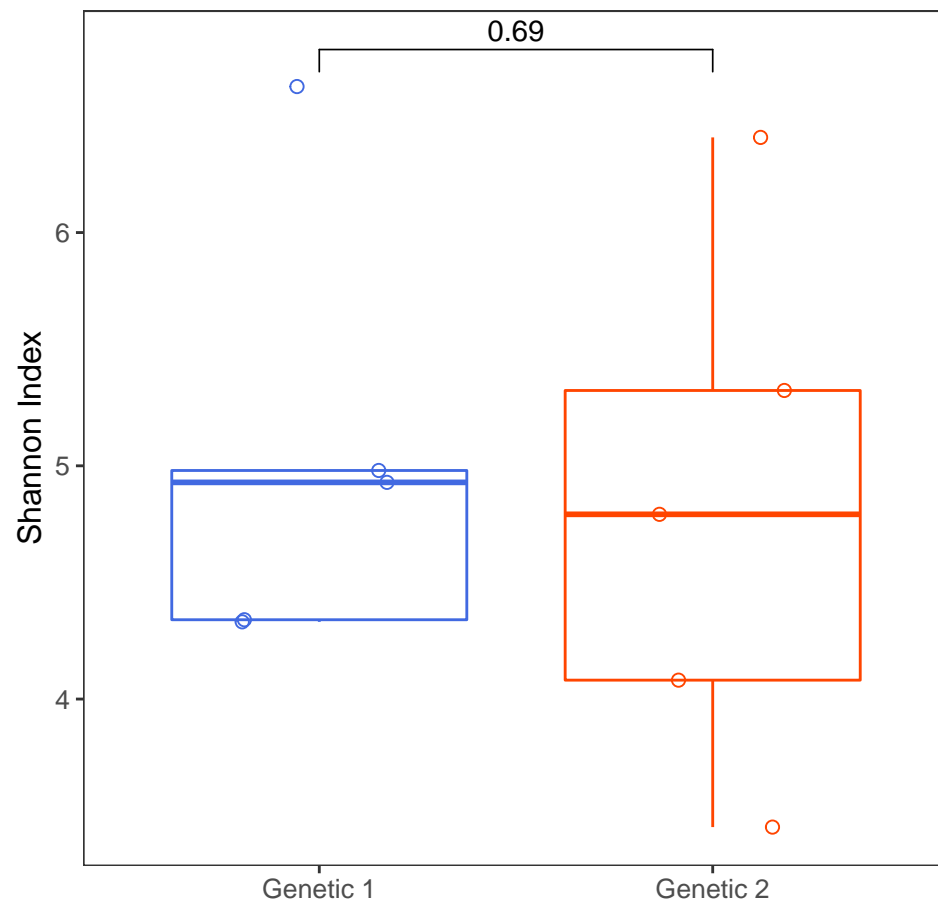


Supplementary figure 9: Alpha diversity and niche breadth contrasting genetics between hepatopancreas samples; A) Chao1 and B) Shannon and C) niche breadth.

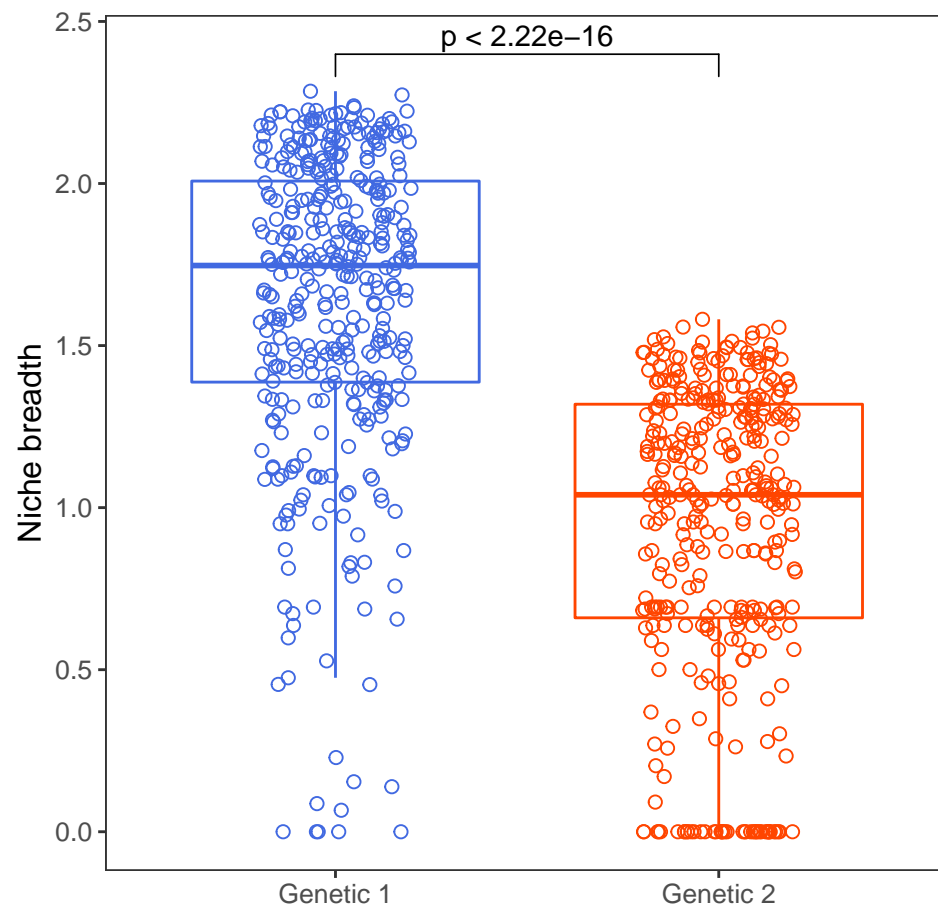
Module A Chao1



Module B Shannon

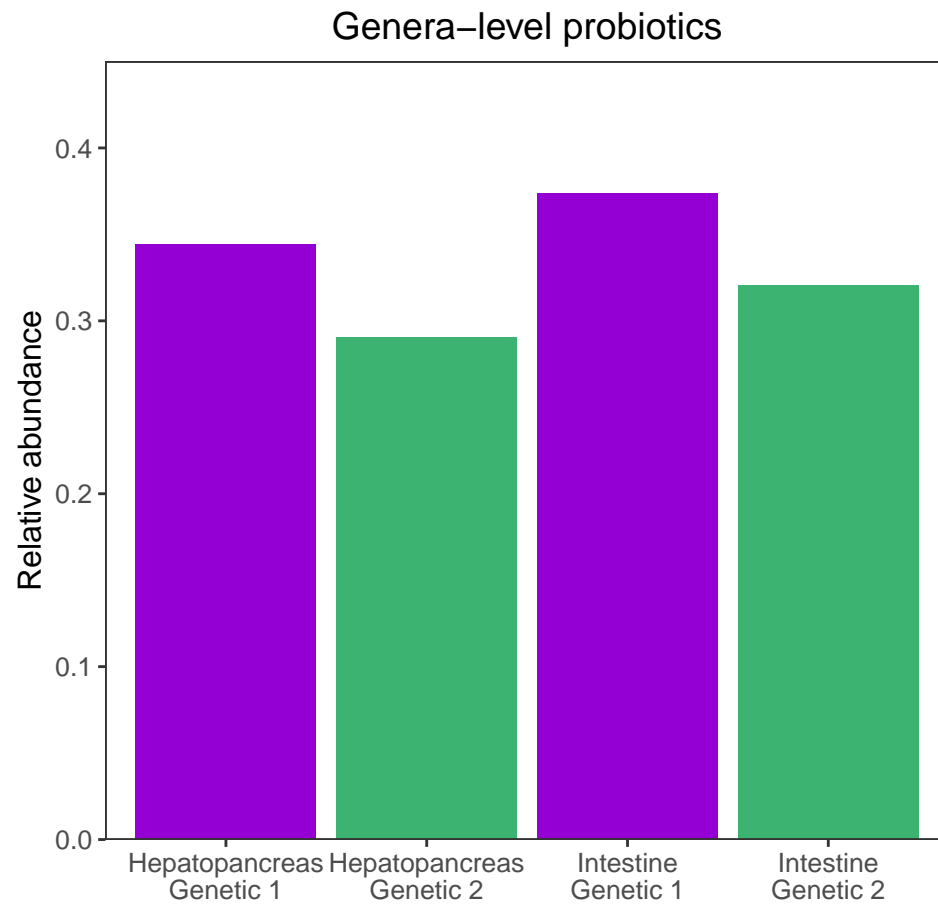


Module C niche breadth

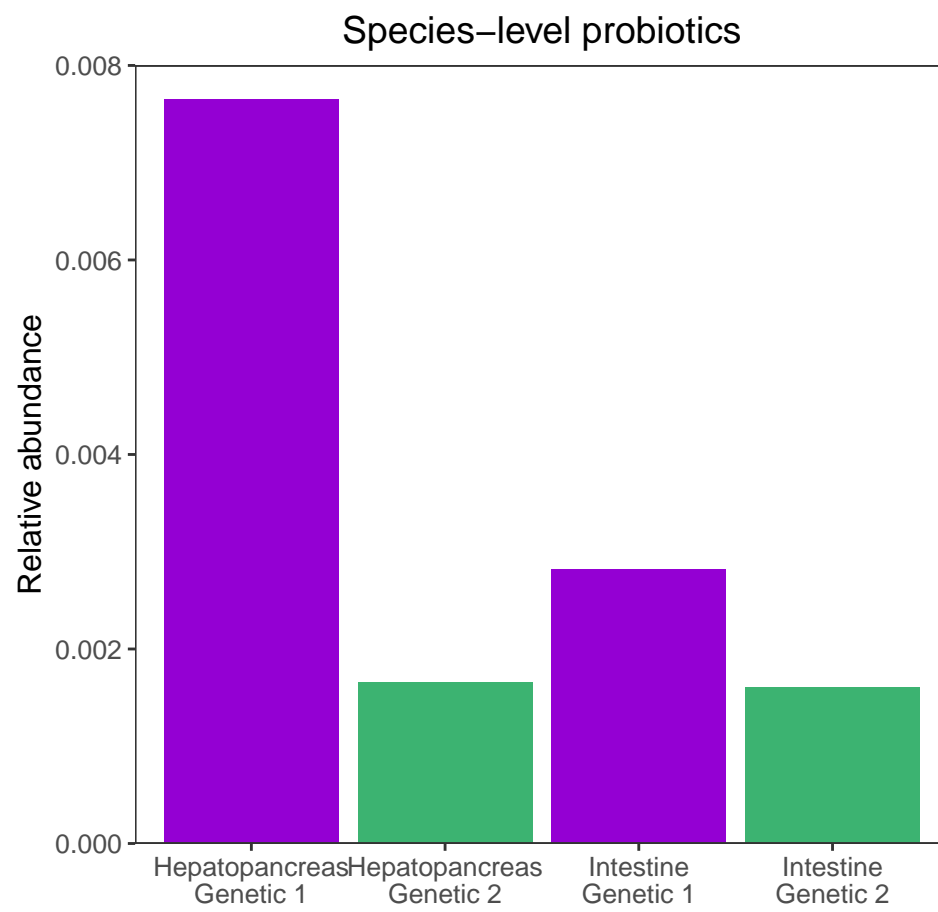


Supplementary figure 10: Probiotics constrasting between organs and genetics

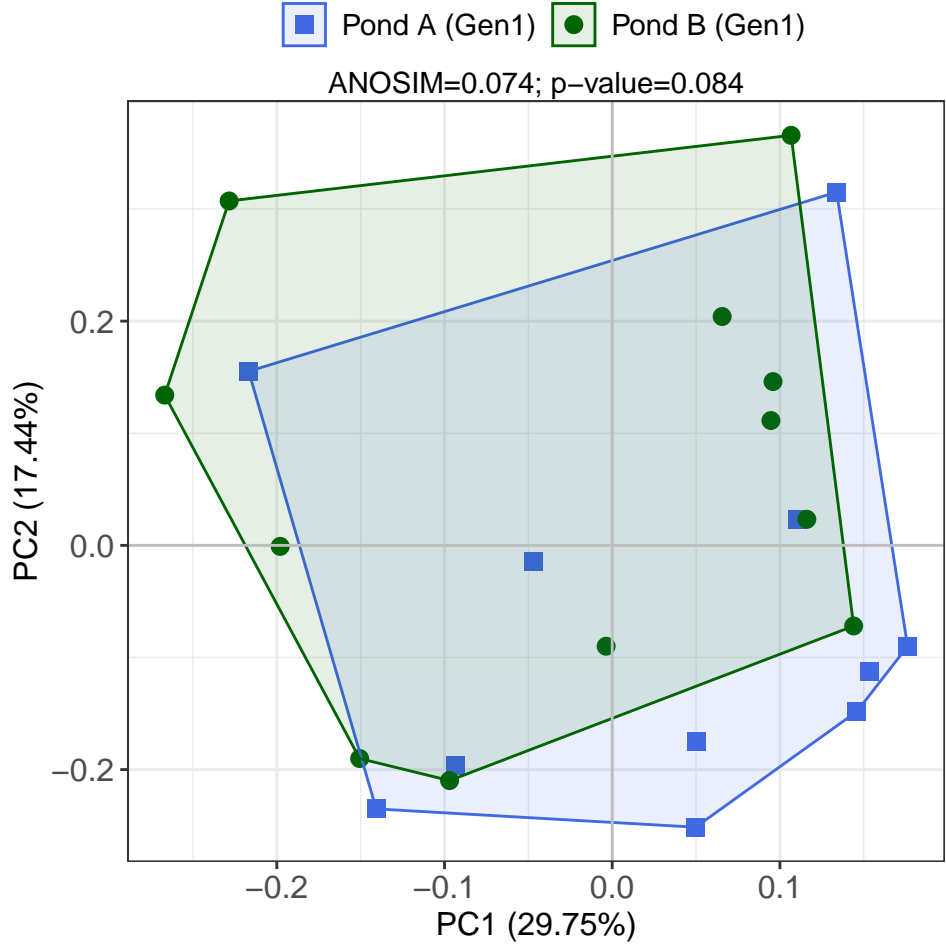
Module A: Barplots with probiotics genera-level



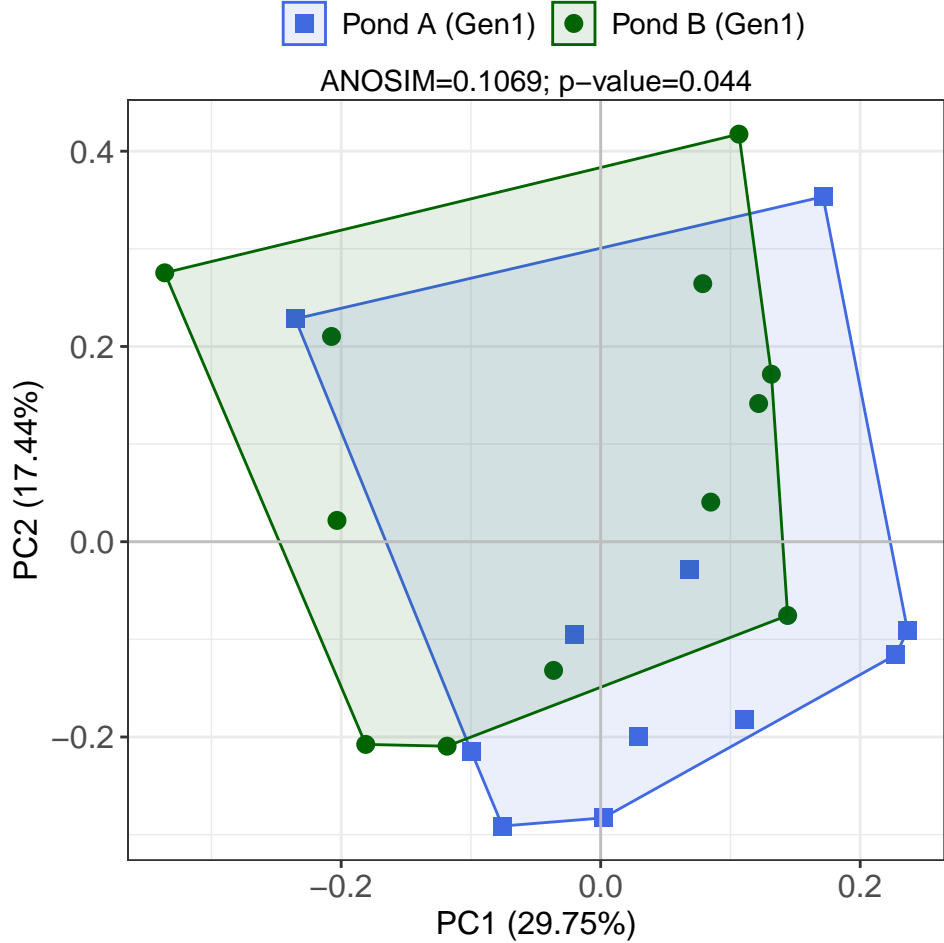
Module B: Barplots with probiotics species-level



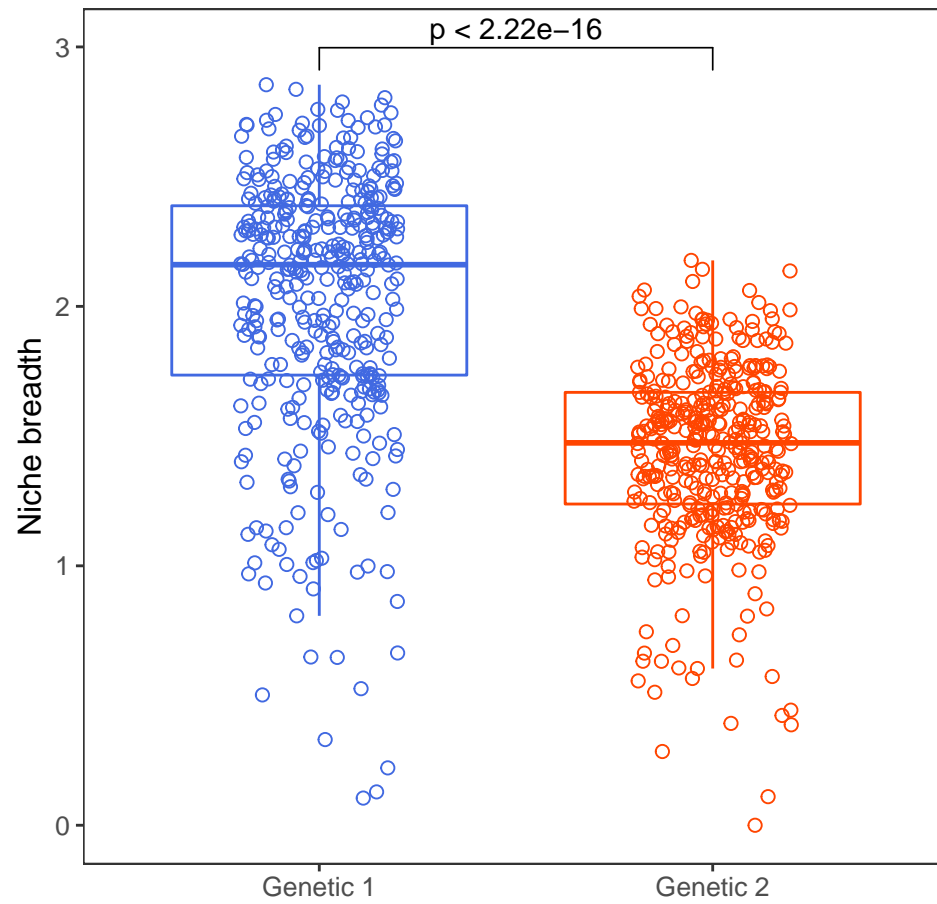
Supplementary figure 11: Beta diversity contrasting Ponds A and B (Unweighted UniFrac)



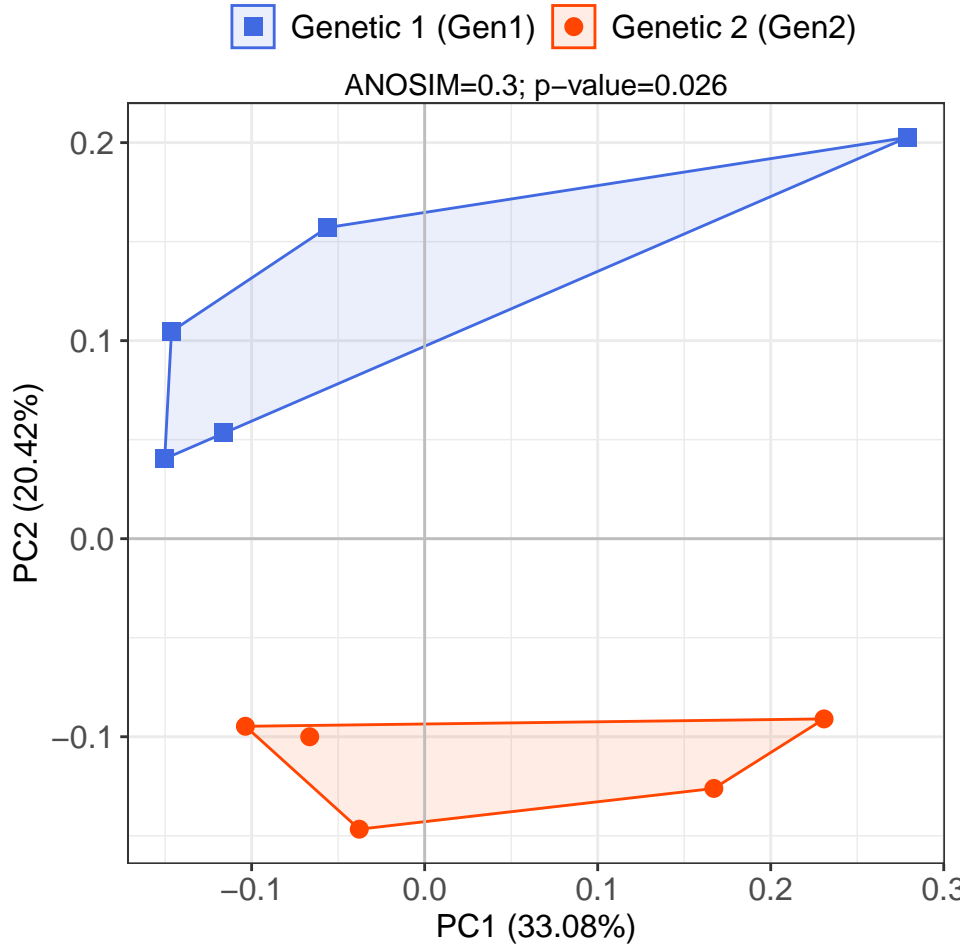
Supplementary figure 12: Beta diversity contrasting Ponds A and B (Jaccard)



Supplementary figure 13: Niche breadth contrasting Gen 1 and Gen 2 (both organs)



Supplementary figure 14: Beta diversity contrasting Gen 1 and Gen 2 (hepatopancreas samples)



Supplementary figure 15: Beta diversity contrasting Gen 1 and Gen 2 (intestine samples)

