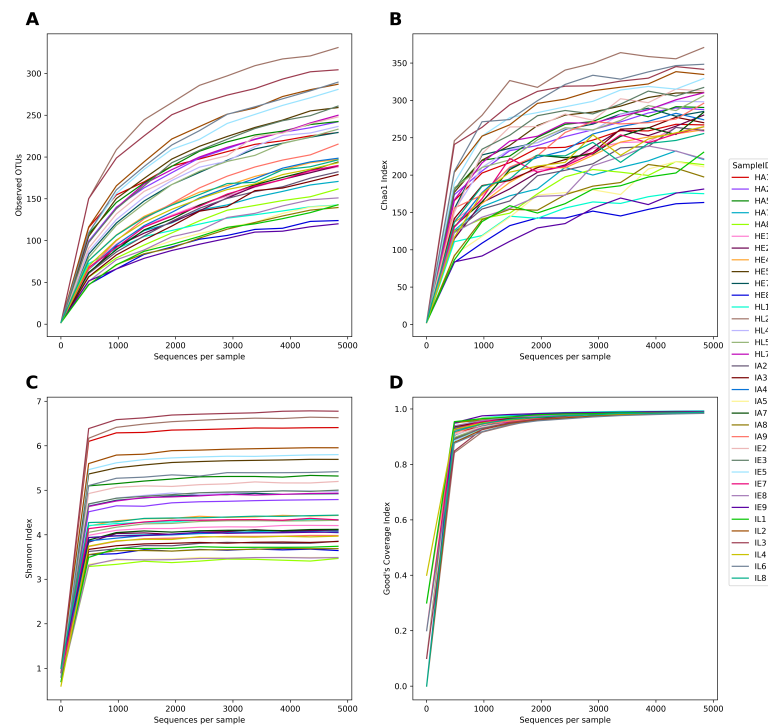


# Graphs shrimp genetics 2022

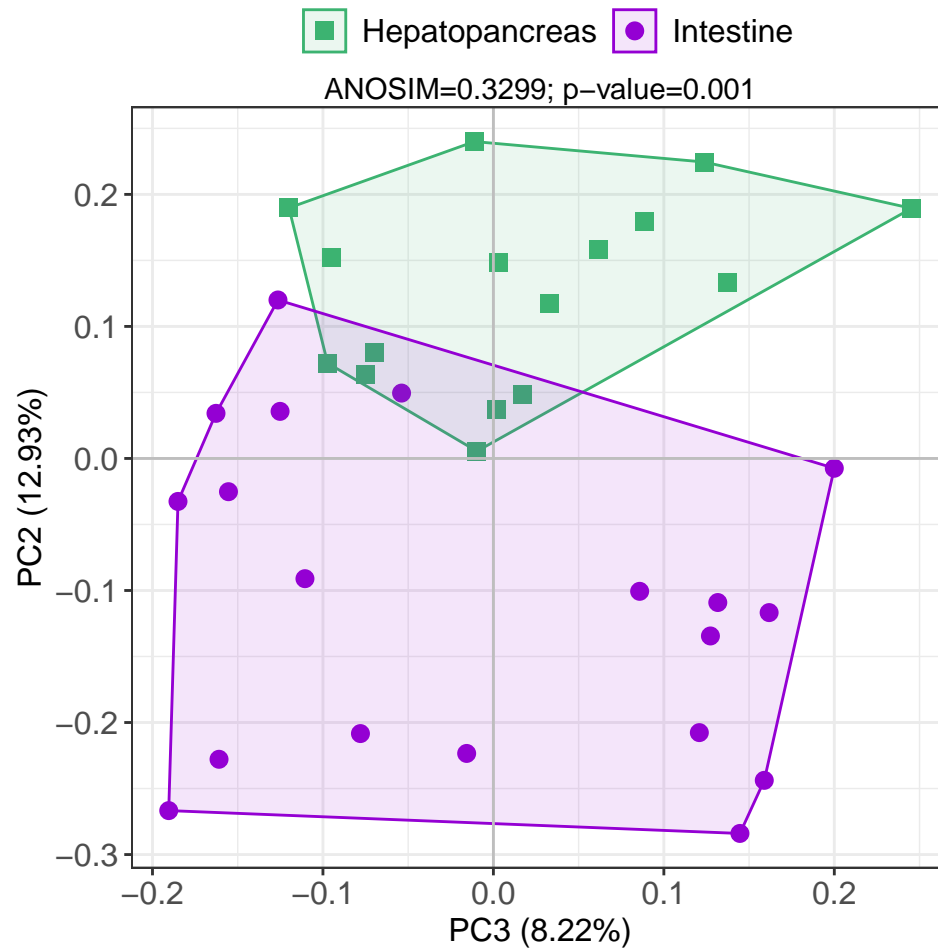
07/12/2022

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

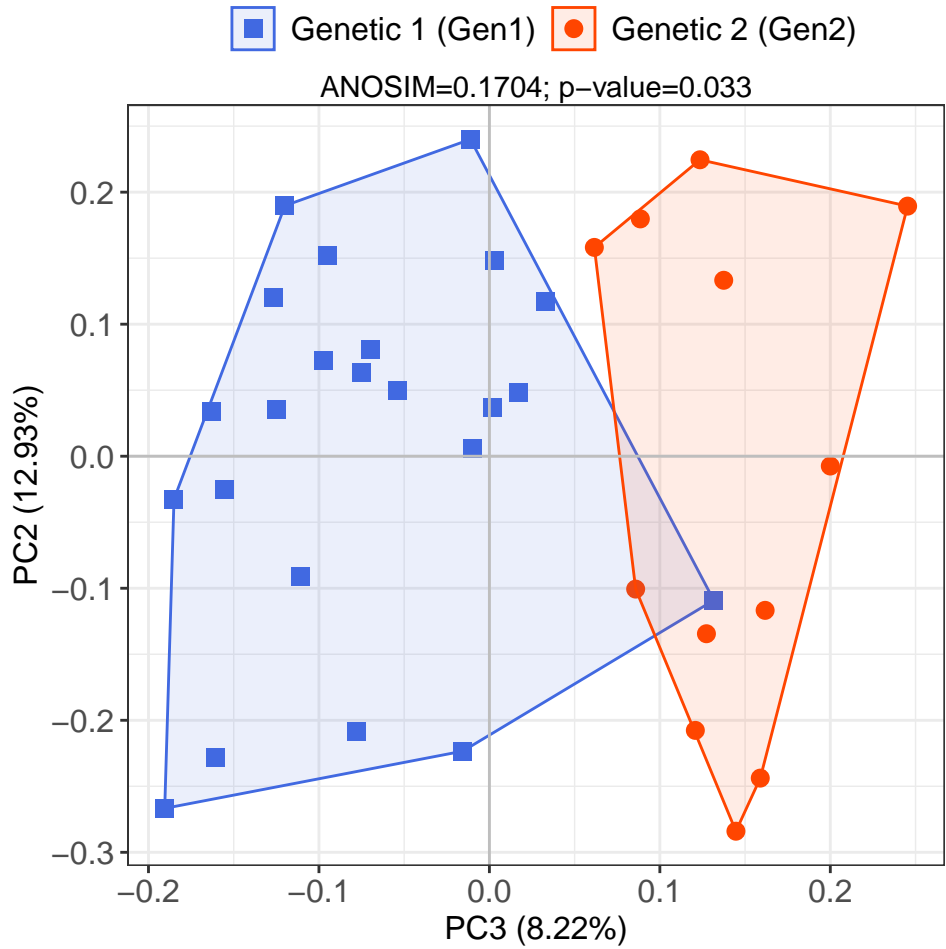


## Supplementary figure 2: Beta diversity contrasting Organs, Genetics and Ponds (Jaccard Index)

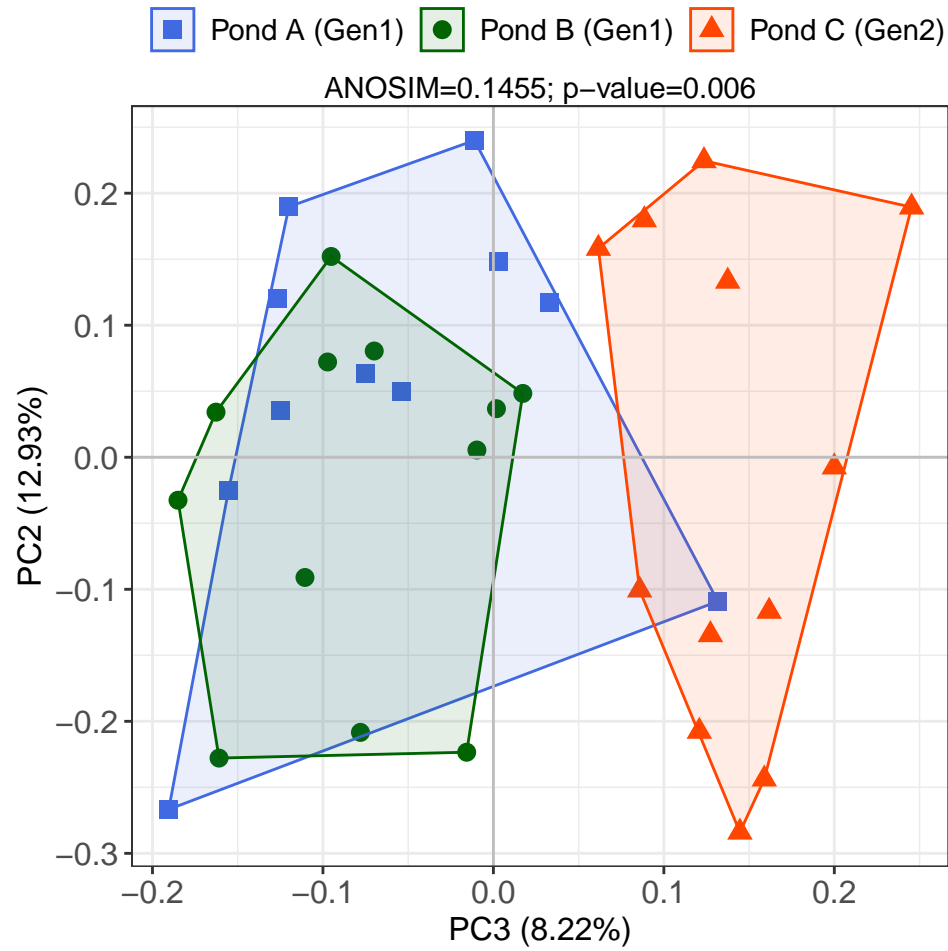
Module A: Beta diversity contrasting Organs



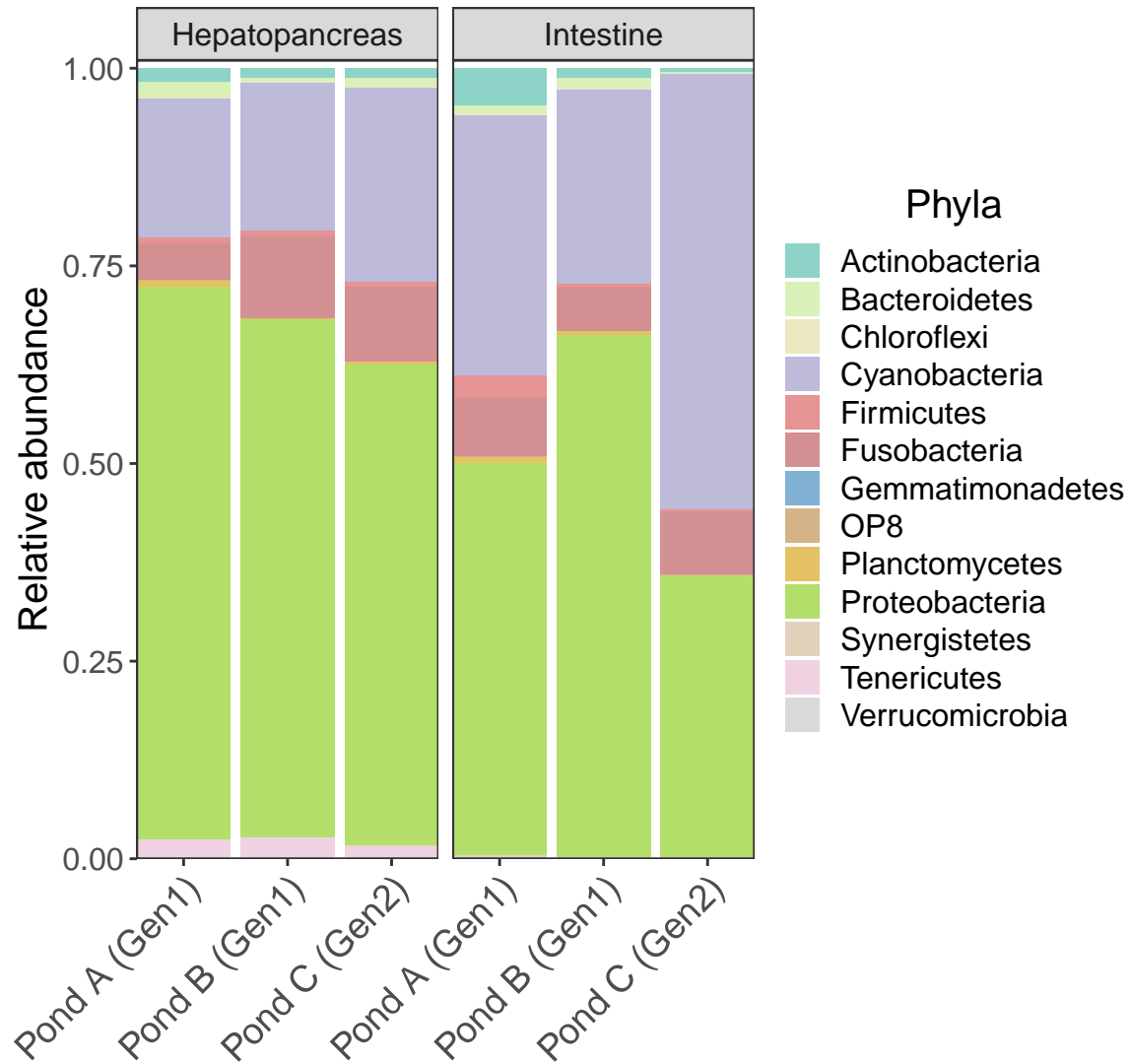
Module B: Beta diversity contrasting Genetics



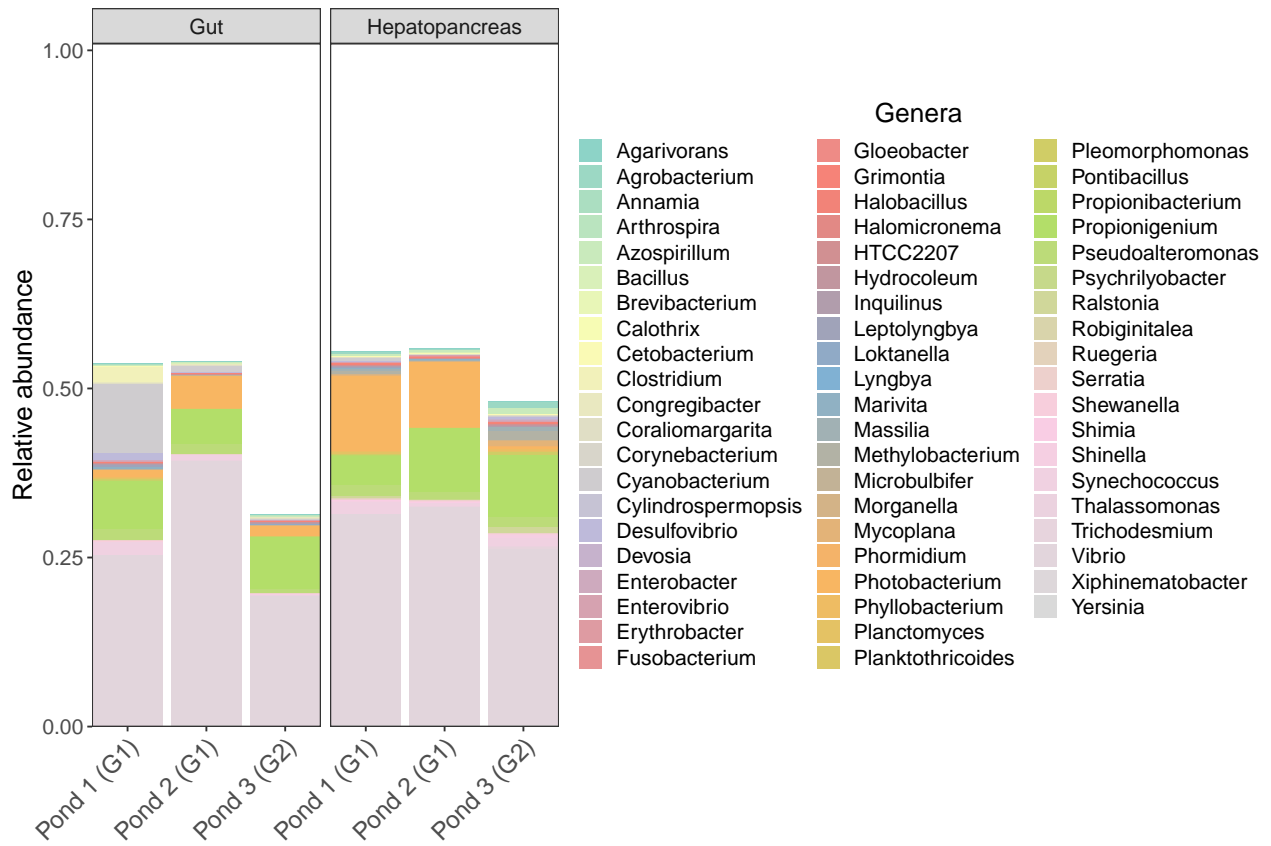
### Module C: Beta diversity contrasting Ponds



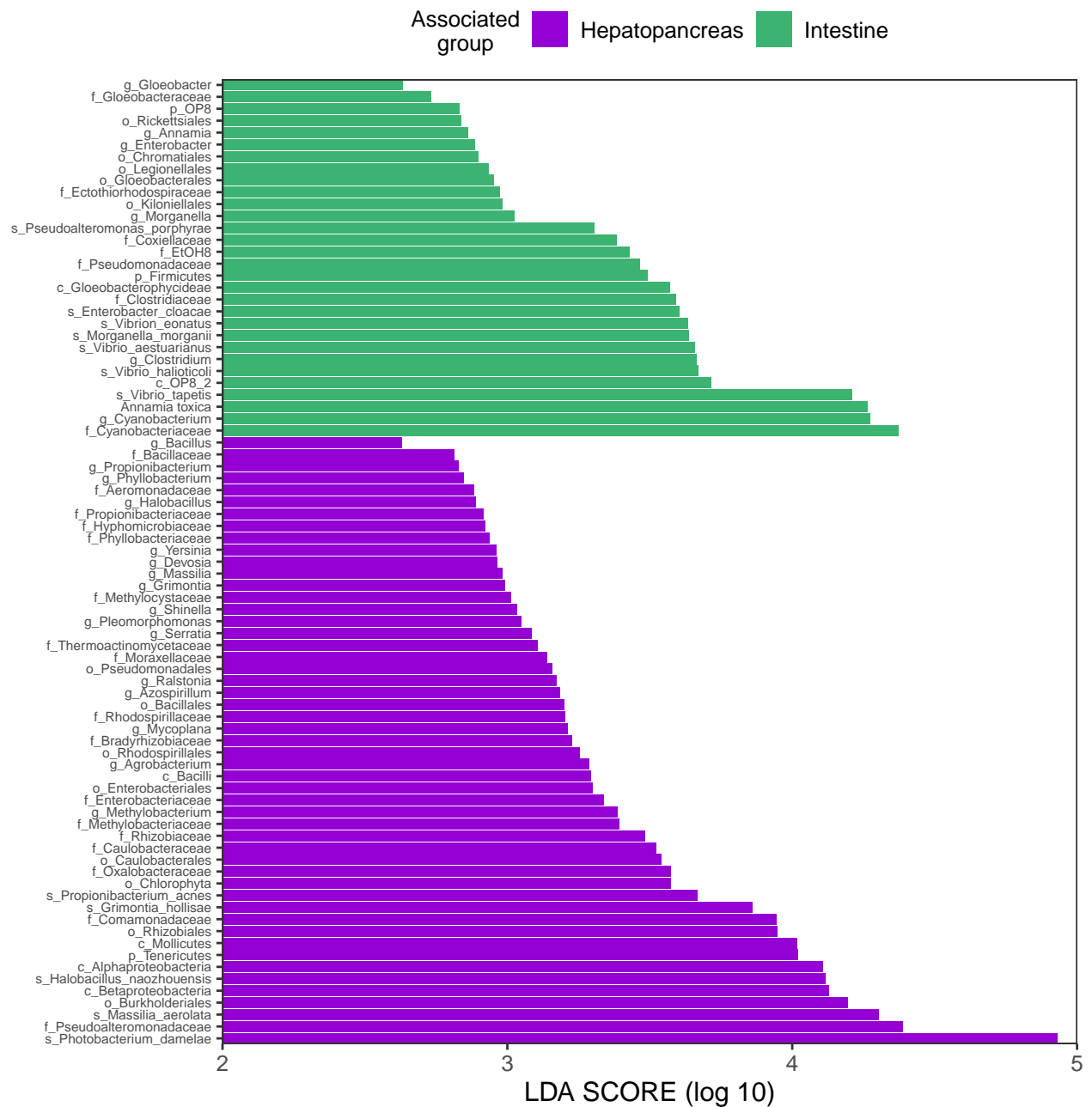
Supplementary figure 3: Taxonomy (>0.01%) at  
Module A phyla level



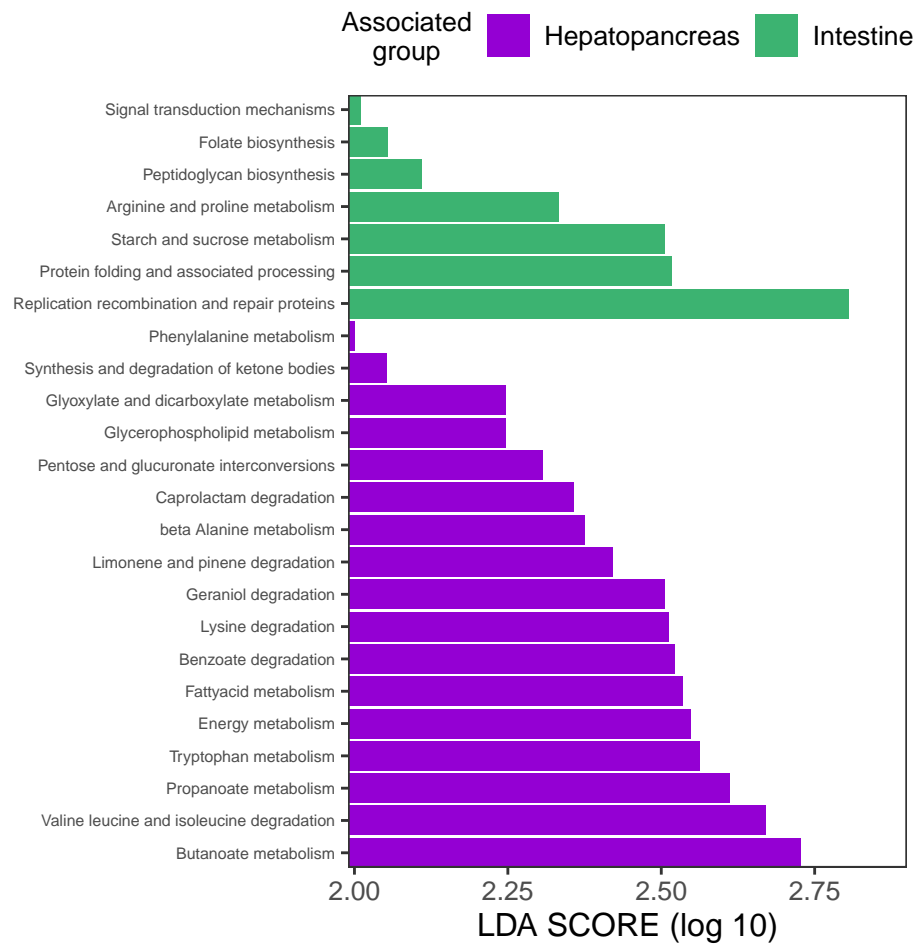
## Module B genera level clustered by organ and pond



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



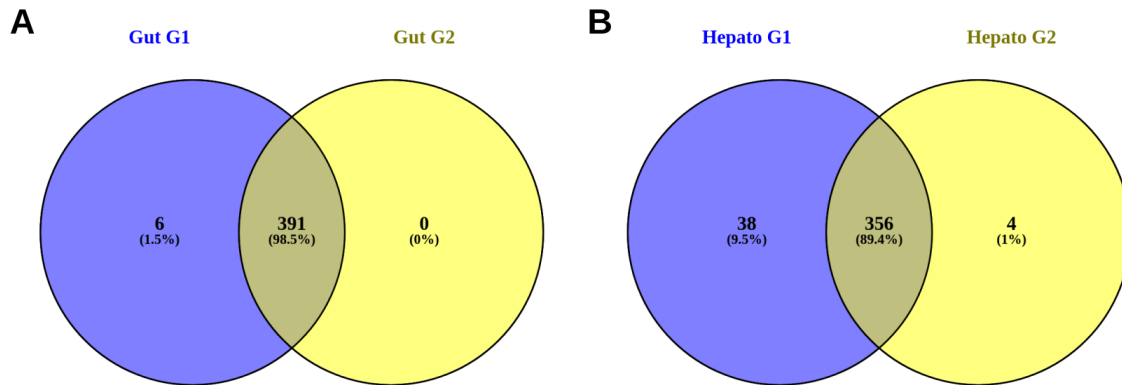
**Supplementary figure 5: LEfSe of PICRUST predicted functions contrasting gut and hepatopancreas samples. KEGG level 3**





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

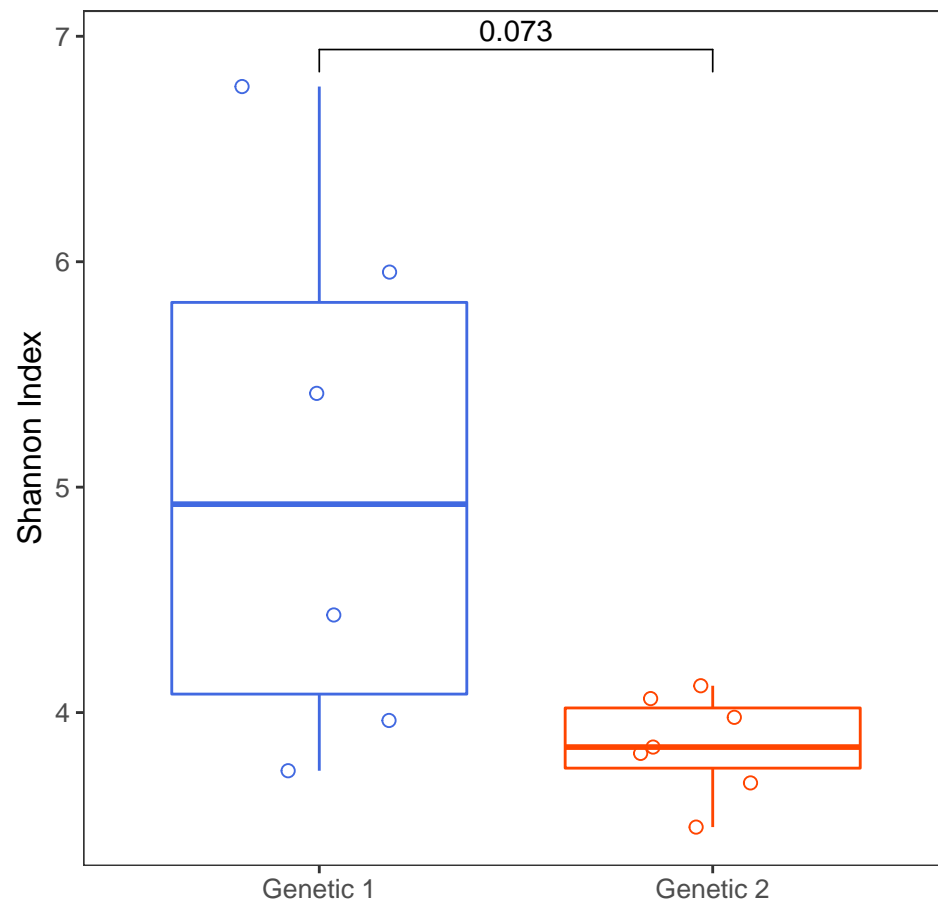
Supplementary figure 7: Venn diagrams of shared OTUs contrasting genetics. A) Intestine samples and B) hepatopancreas samples



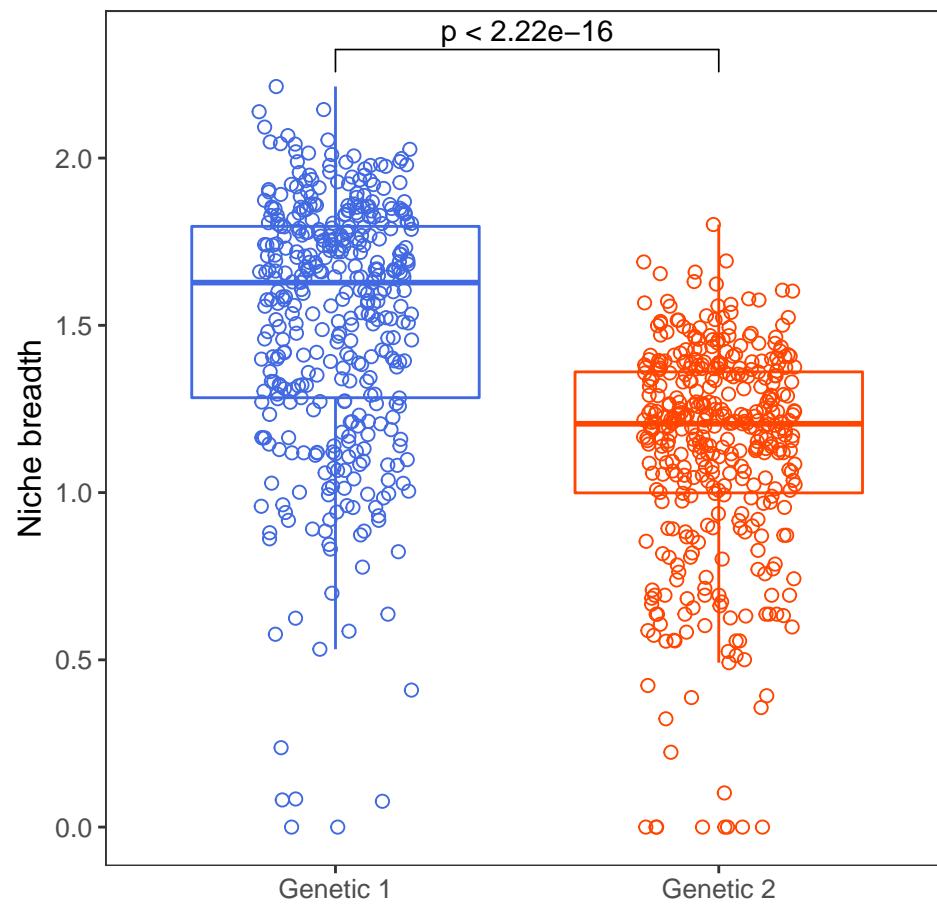
## Module A Chao1



# Module B Shannon

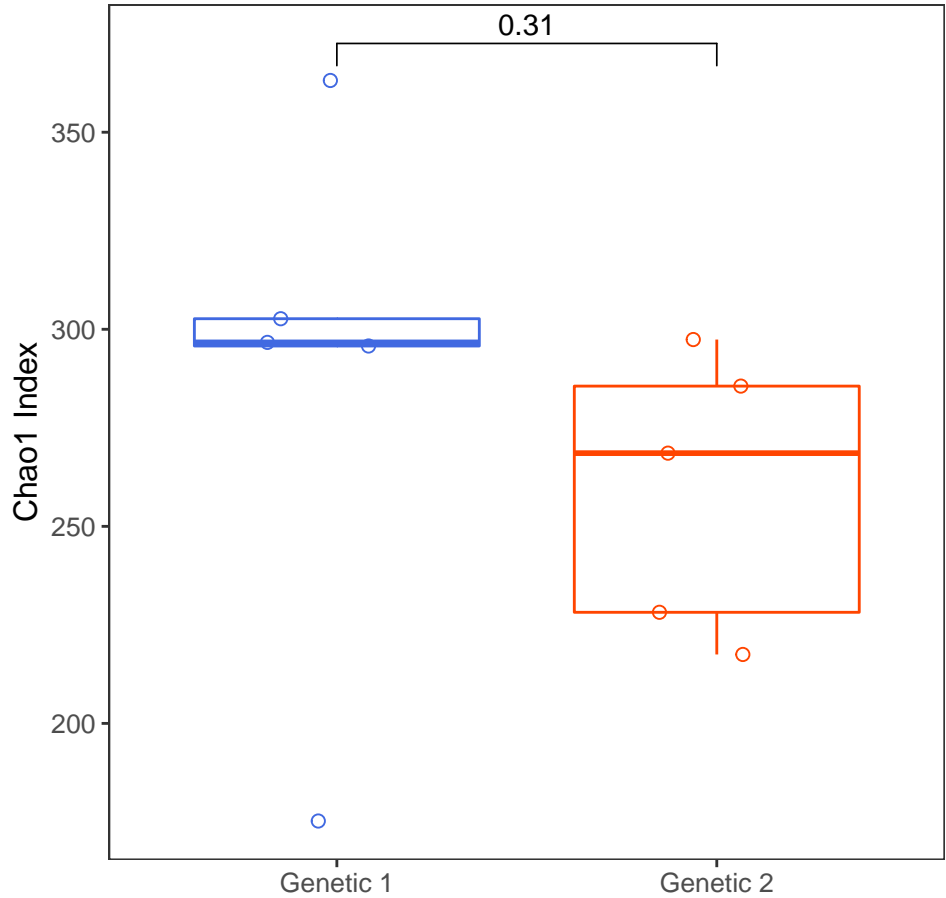


# Module C niche breadth

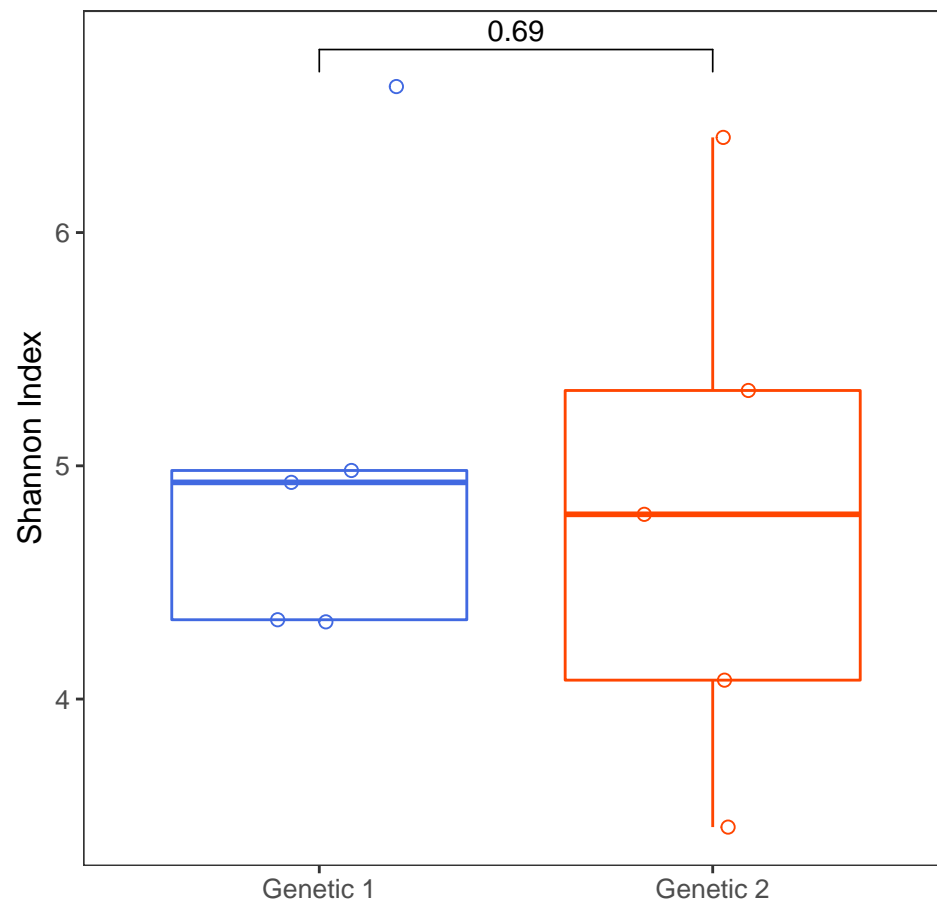


Supplementary figure 9: Alpha diversity and niche breadth contrasting genetics between hepatopancreas samples; A) Chao1 and B) Shannon and C) niche breadth.

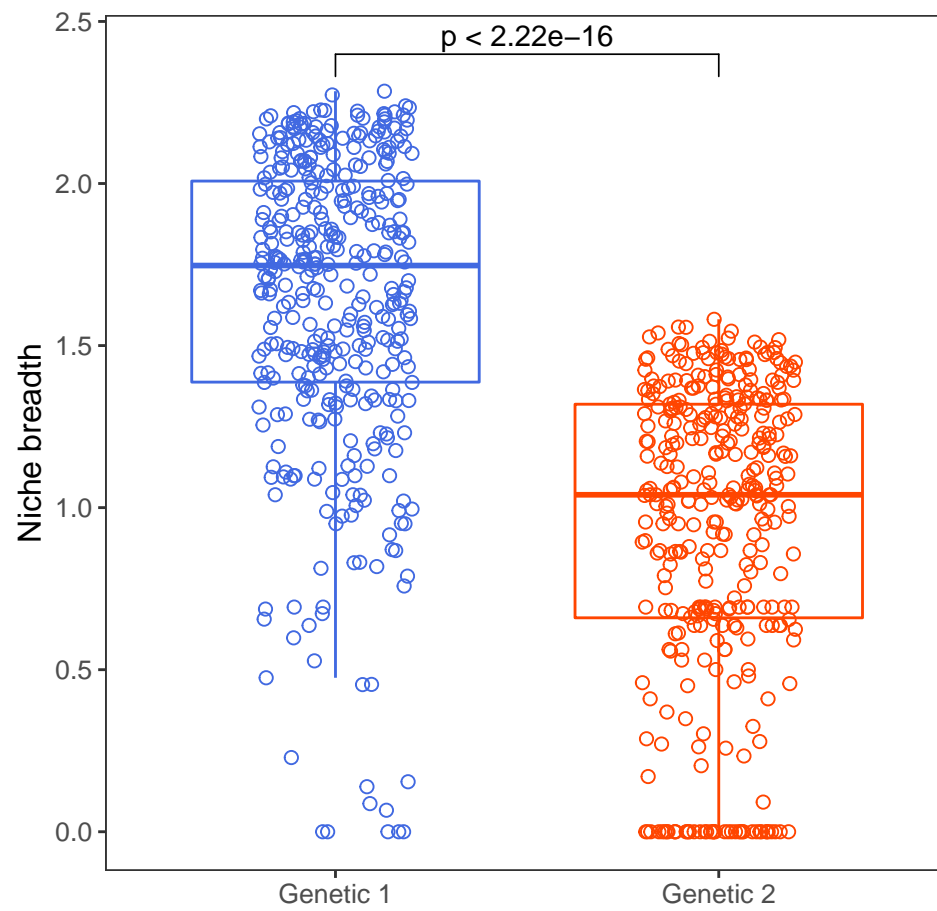
Module A Chao1



# Module B Shannon

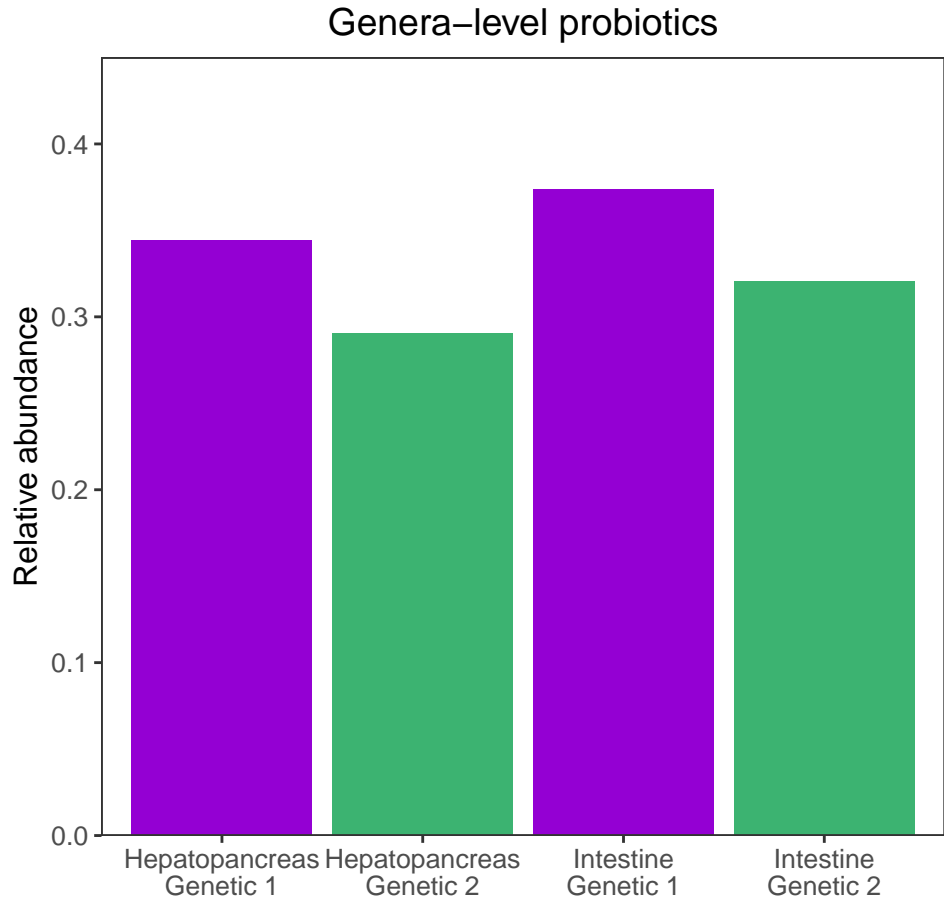


### Module C niche breadth



Supplementary figure 10: Probiotics constrasting between organs and genetics

Module A: Barplots with probiotics genera-level





Module B: Barplots with probiotics species-level

