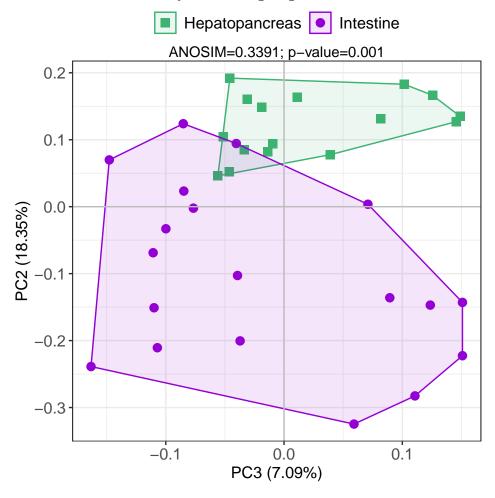
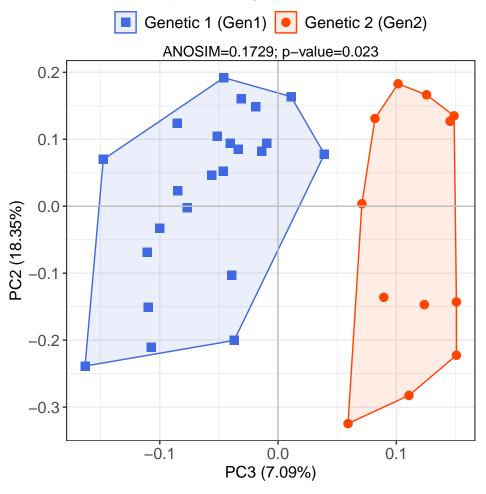
Graphs shrimp genetics 2022

07/12/2022

Figure 1: Beta diversity contrasting Organs, Genetics and Ponds Module A: Beta diversity contrasting Organs



Module B: Beta diversity contrasting Genetics



Module C: Beta diversity contrasting Ponds

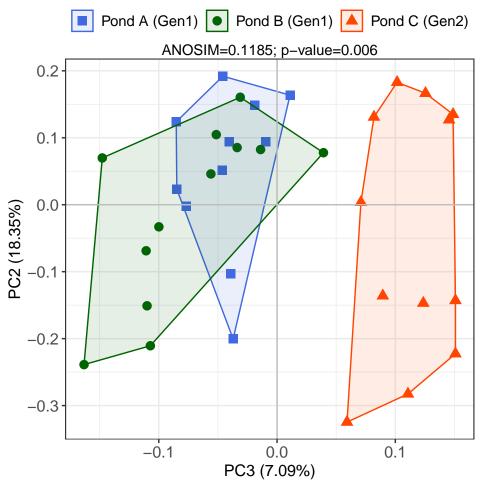
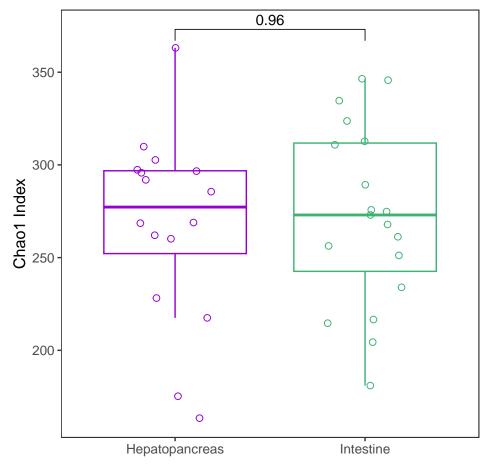
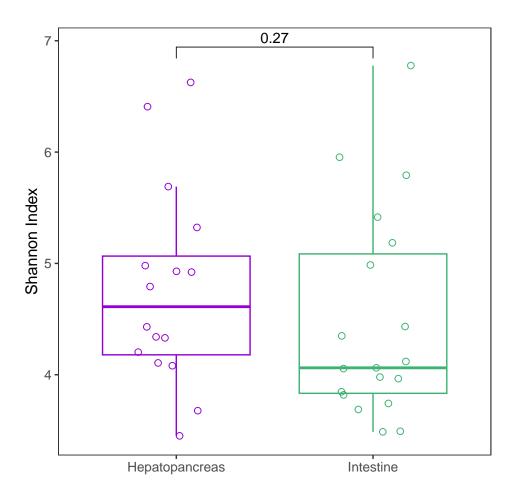


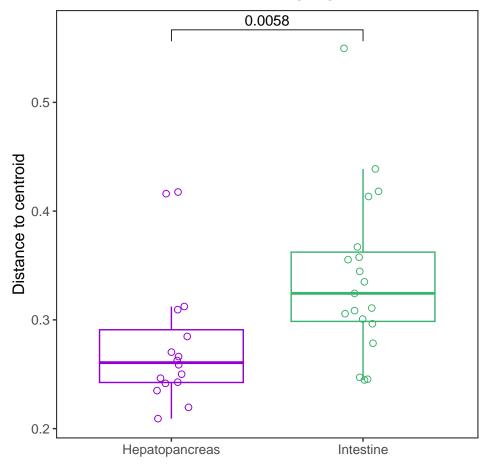
Figure 2: Alpha Diversity

Module A and B: Alpha diversity contrasting Organs, Chao1 and Shannon

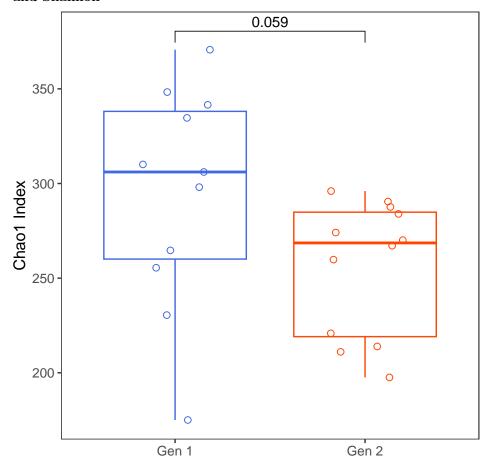


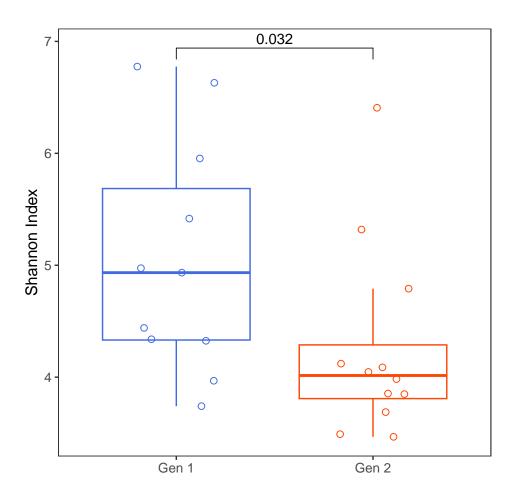


Module C: Distance to centroid contrasting Organs



 ${\bf Module\ D\ and\ E:\ Alpha\ diversity\ contrasting\ Genetics\ (Mazatlan\ and\ Lajitas\ only),\ Chao1\ and\ Shannon}$





Module F: Niche breadth contrasting Genetics (Mazatlan and Lajitas only)

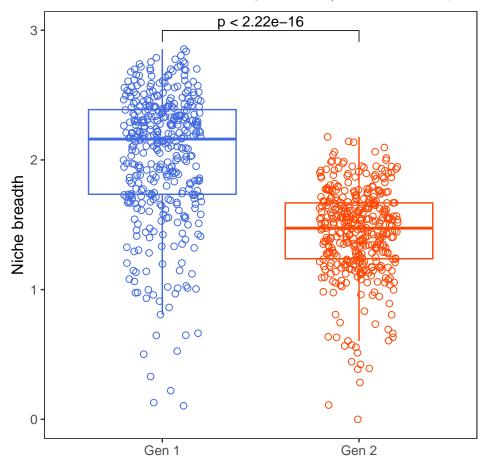


Figure 3: LEfSe heatmaps and barplots Module A: Intestine samples contrasting genetics

Intestine log10 (relative abundance) -2 -5 -3 Gen 1 Gen 2 Gen 1 Gen 2 p_Actinobacteria o_Actinomycetales c_Actinomycetales c_Actinobacteria s_Propionibacterium acnes f_Microbacteria case c_Spartobacteria p_Bacteroidetes f_Marinicellaceae o_Marinicellales c_Deltaproteobacteria o_Alteromonadales c_Deltaproteobacteria c_Bacteroidia g_Erythrobacter f_Golden o_Sphingomonadales o_Bacteroidia g_Erythrobacter f_Colwelliaceae f_Conyebacteriaceae g_Corynebacterium g_Enterobacter f_Erythrobacter f_Erythrobacter f_Erythrobacter f_Golden o_Sphingomonadales o_Bacteroidiaes f_Colwelliaceae f_Conyebacteriaceae g_Corynebacterium g_Enterobacter f_Erythrobacteraceae o_Chionibacteraceae o_Chionibacteraceae o_Chionibacteraceae o_Chionibacterales f_Flavobacteriales f_Elavobacteriaceae g_Shewanella f_Shewanellaceae g_Loktanella o_Aeromonadales g_Narivita f_Flammeovirgaceae g_Congregibacter o_Kiloniellales g_Propionibacterium g_Narivita f_Chioniobacteraceae g_Congregibacter o_Scillotiriales s_Arthrospira platensis s_Lyngbya hieronymusii o_Rhodophyta g_Phormidium g_Lyngbya g_Hydrocoleum g_Planktothricoides g_Arthrospira o_Nostocales f_Nostocaeae g_Cylindrospermopsis 3

LDA SCORE (log10)

Module B: Hepatopancreas samples contrasting genetics

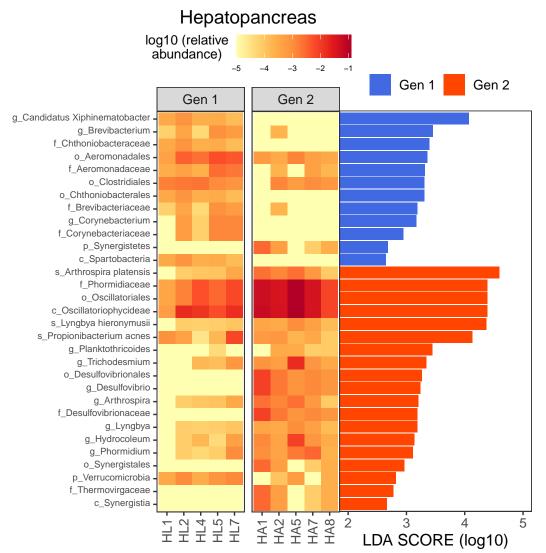
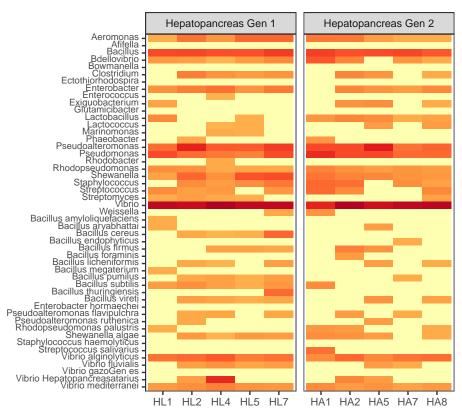


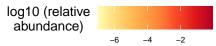
Figure 4: Heatmap probiotics

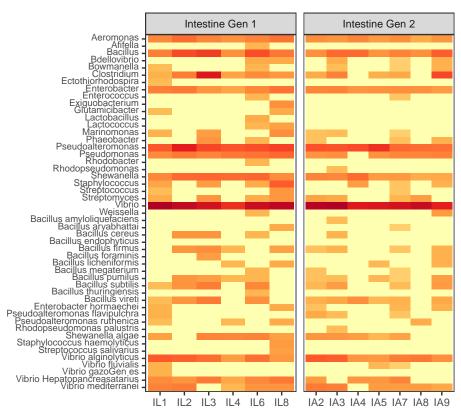
Module A: Intestine samples





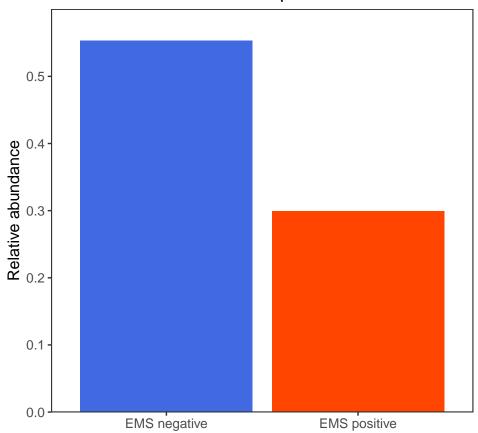
Module B: Hepatopancreas samples





Module C: Barplots with probiotics genera-level.

Genera-level probiotics



Module C: Barplots with probiotics species-level.

