

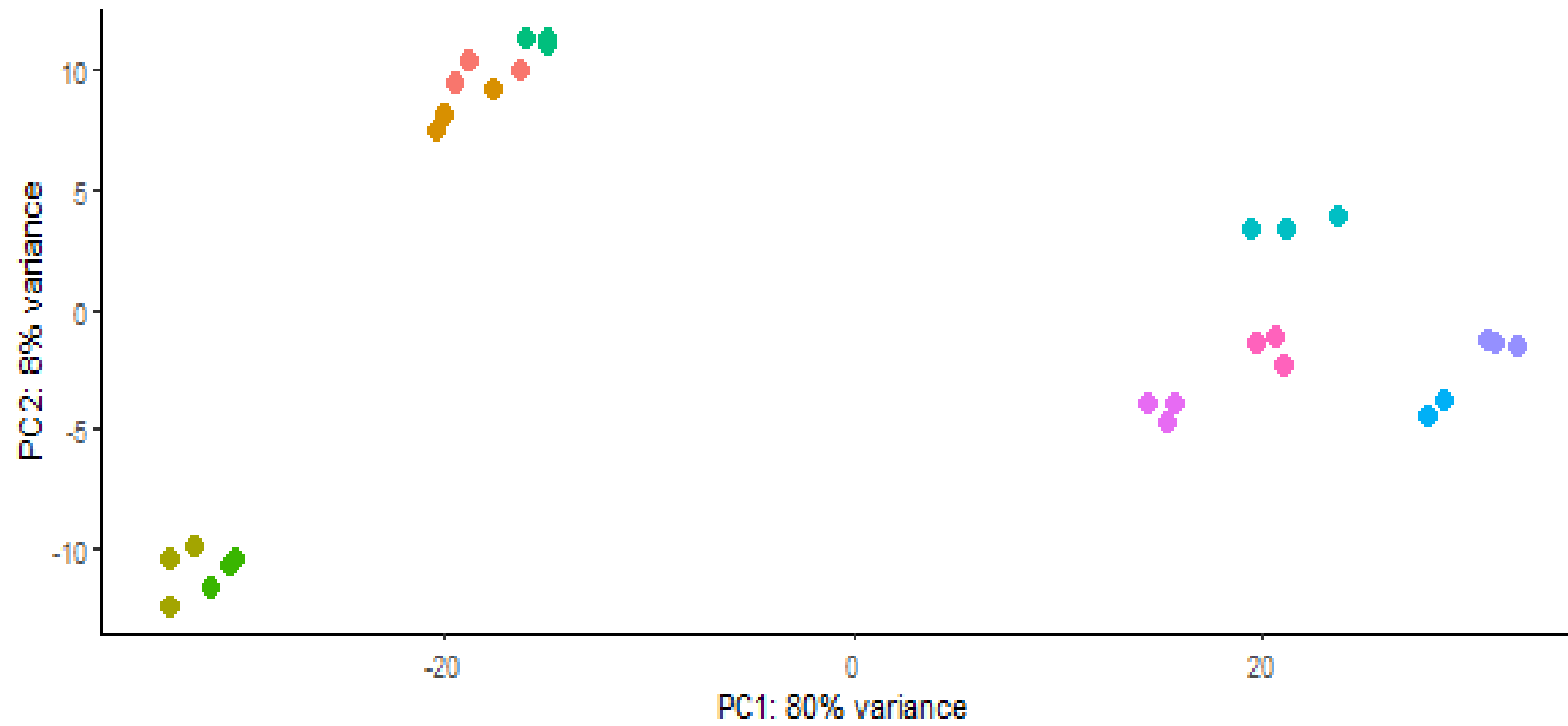
Data Visualization Menu

EICC Fall 2020

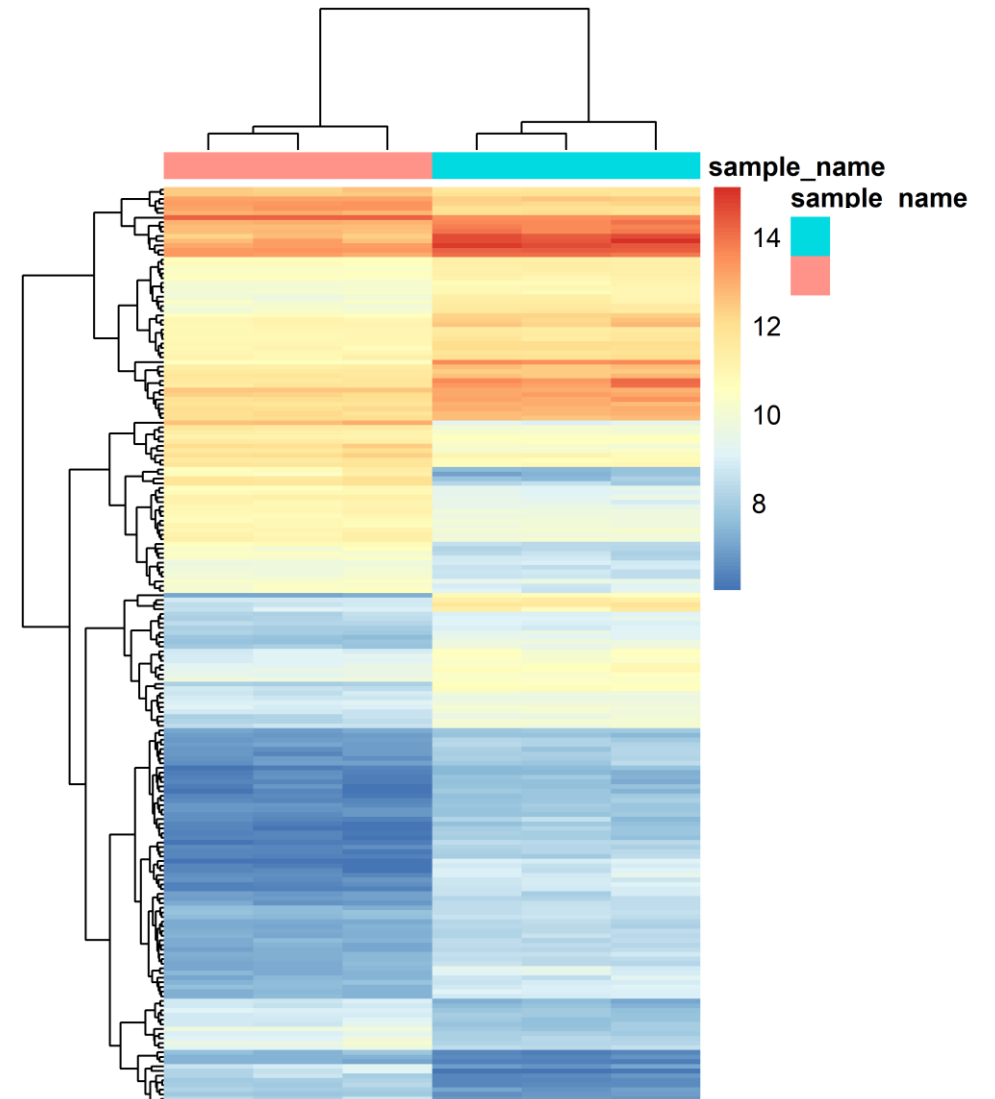
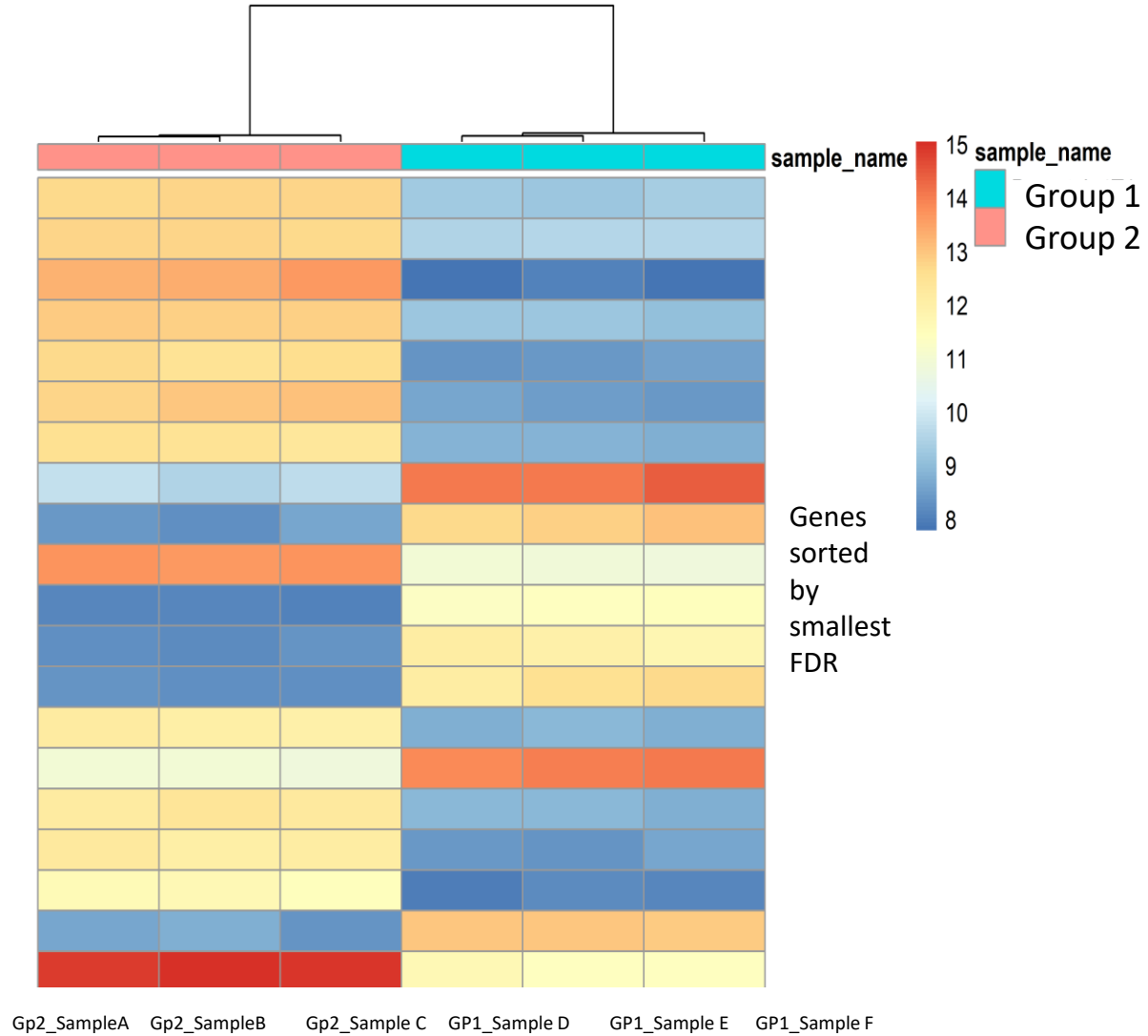
RNA Seq (bulk) analysis

- Principal Components Analysis plot
- Heat map
- Volcano plot
- Gene-specific dot plot
- Venn Diagram

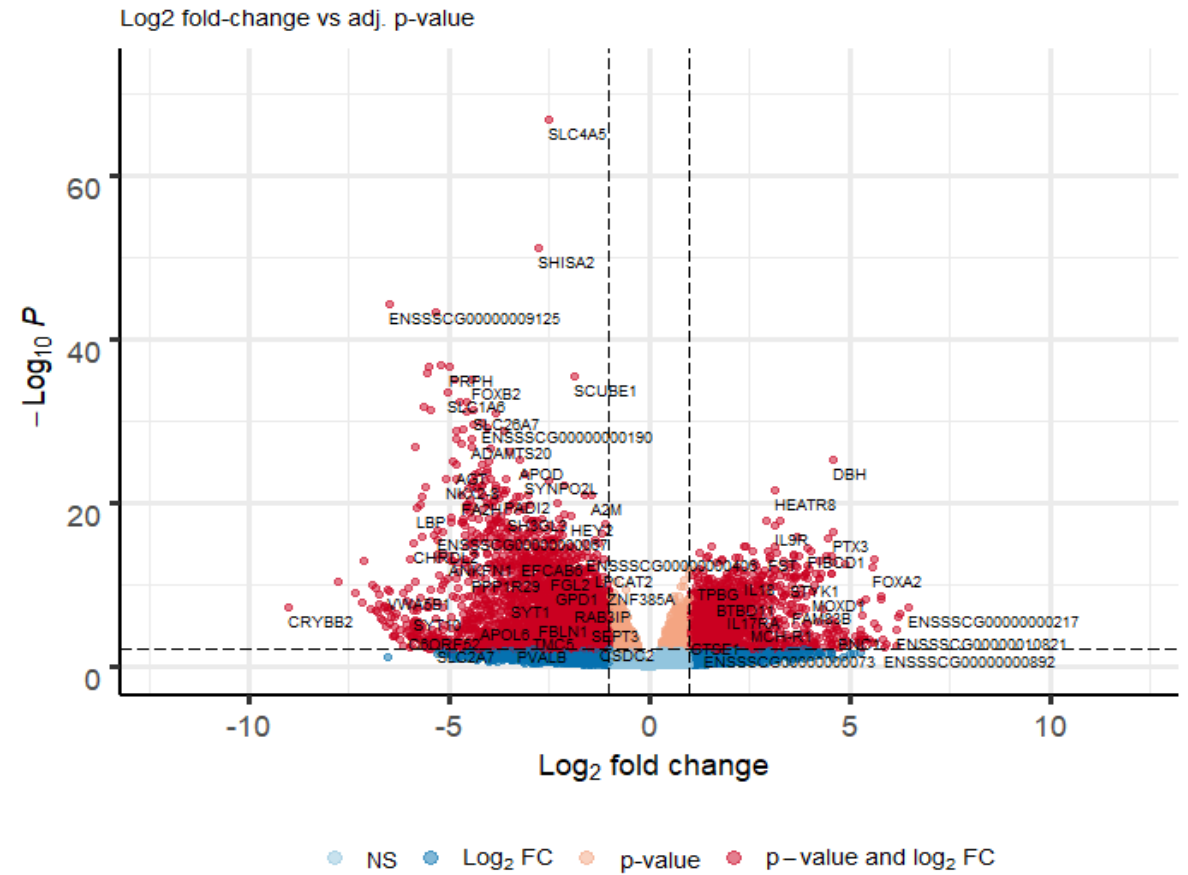
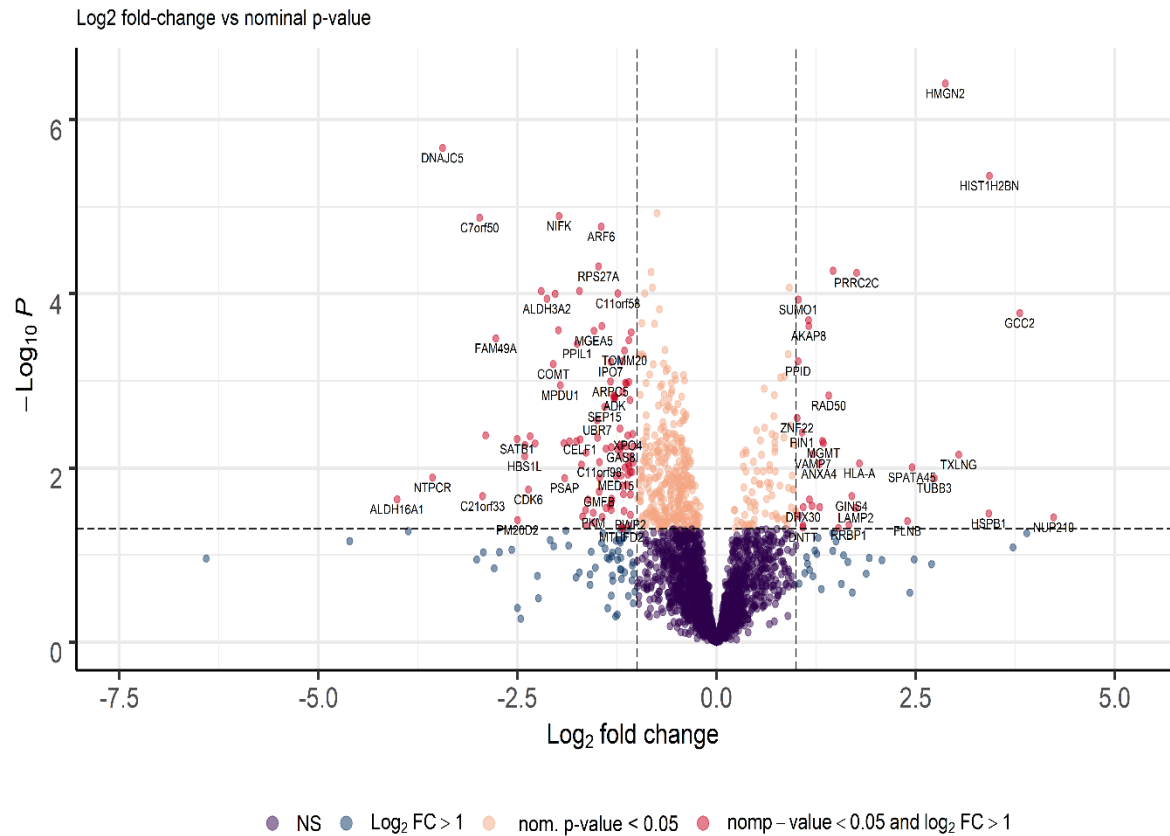
Principal Components Analysis plot (R- ggplot2)



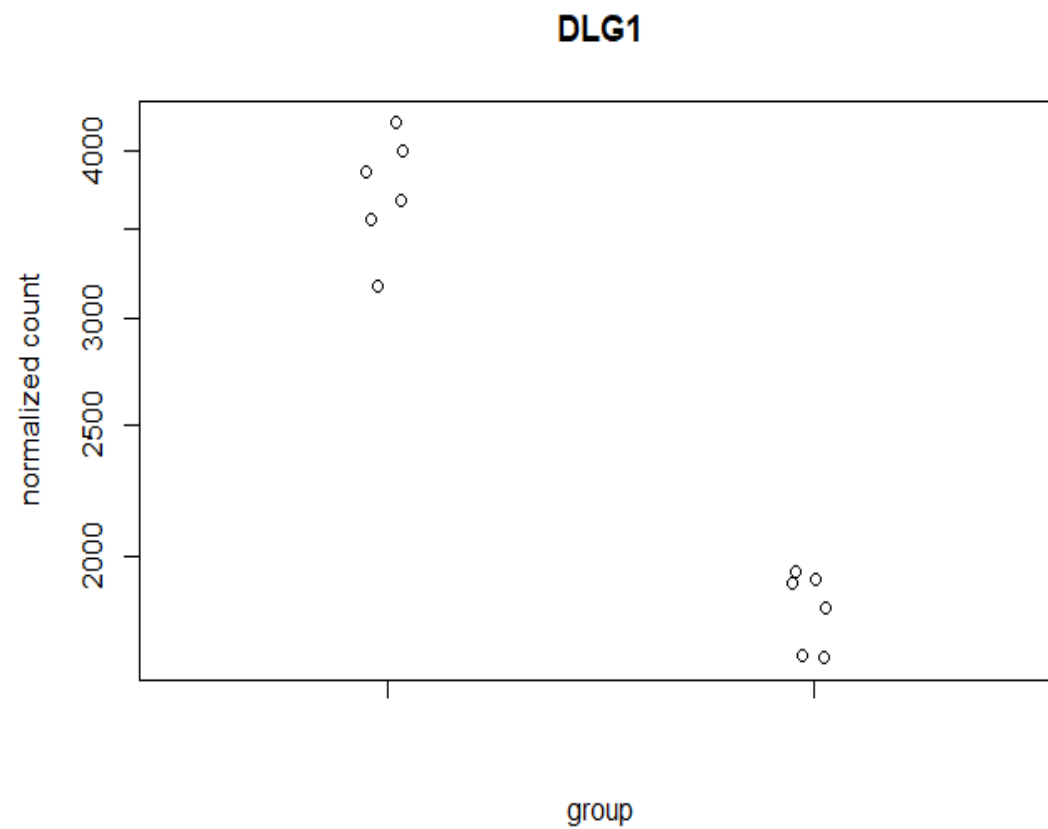
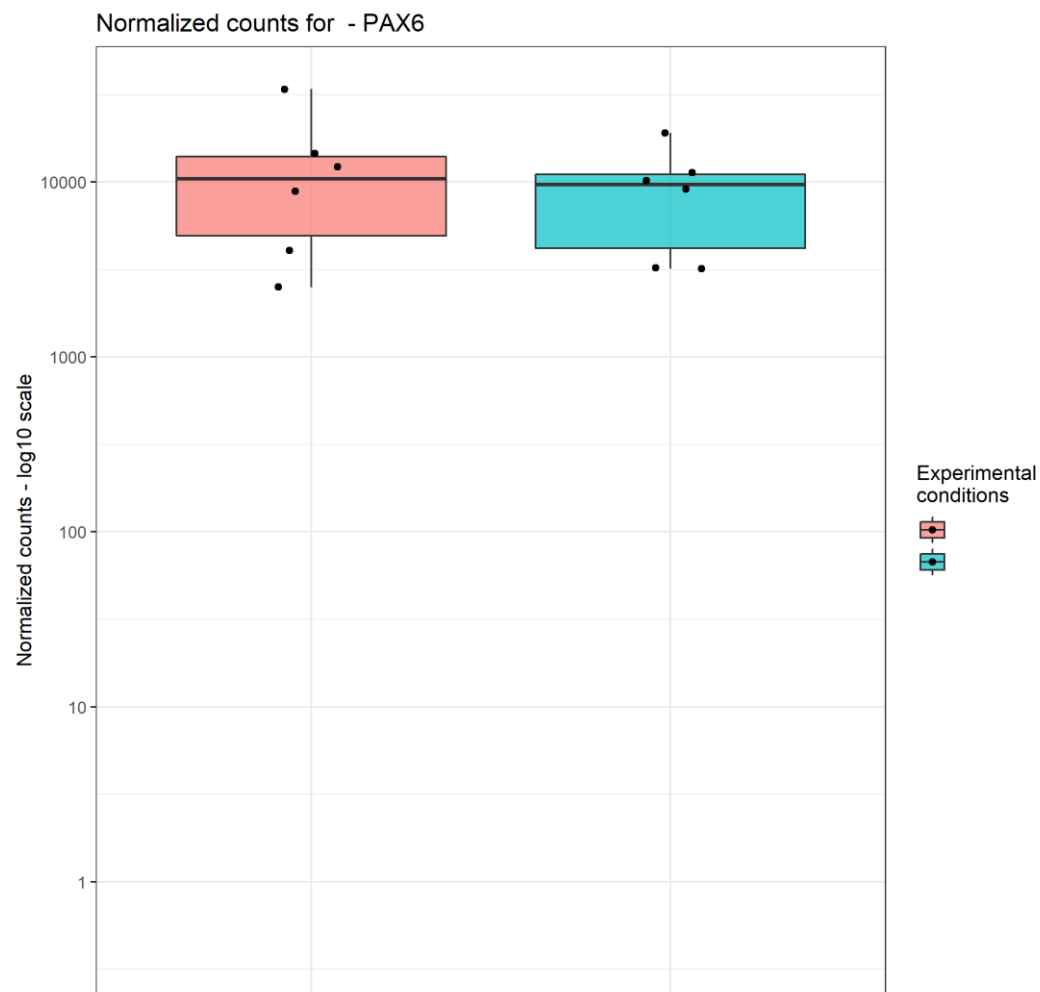
Heat map (R-pheatmap)



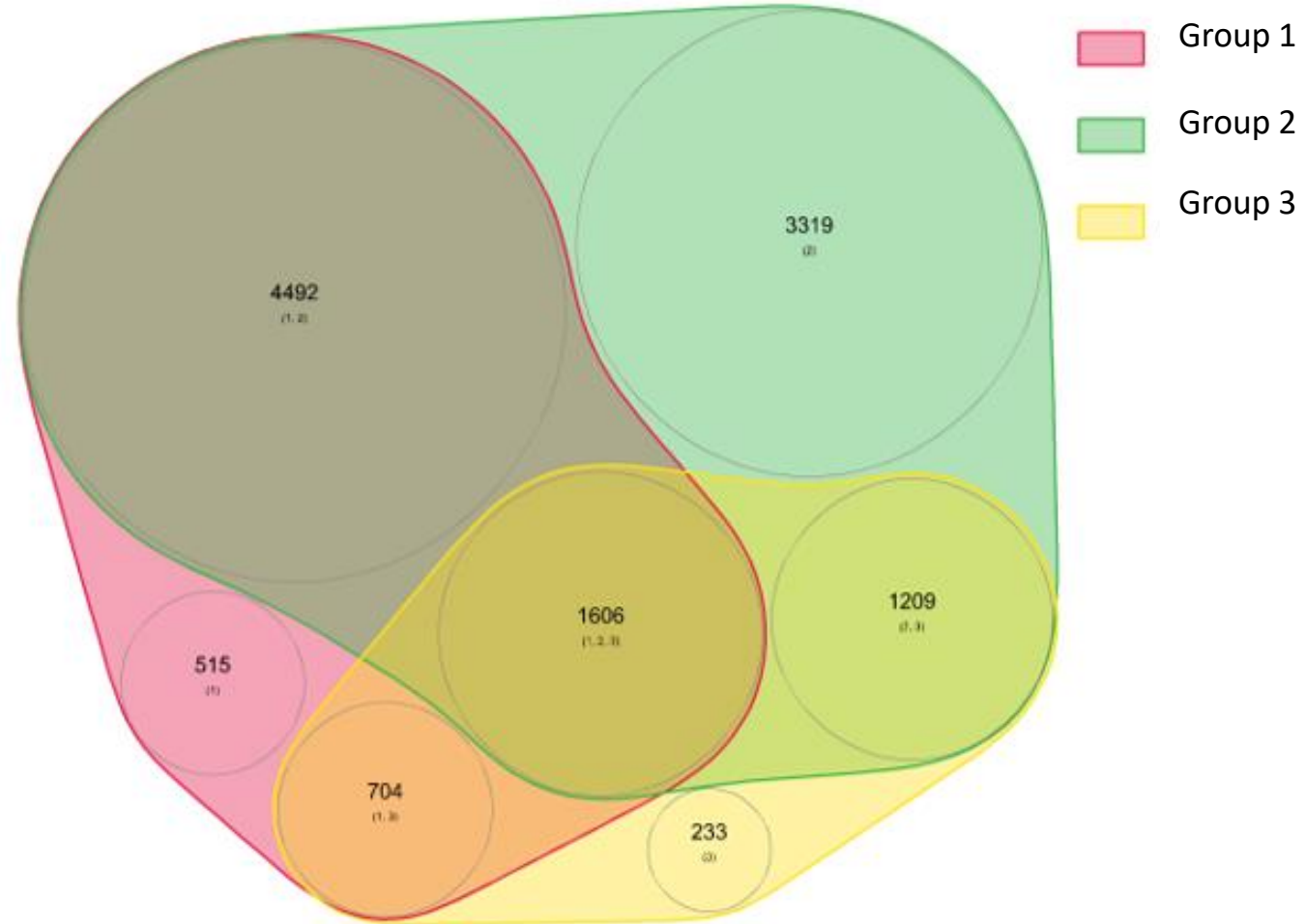
Volcano plot (R-EnhancedVolcano)



Gene-specific plots (R-ggplot2)



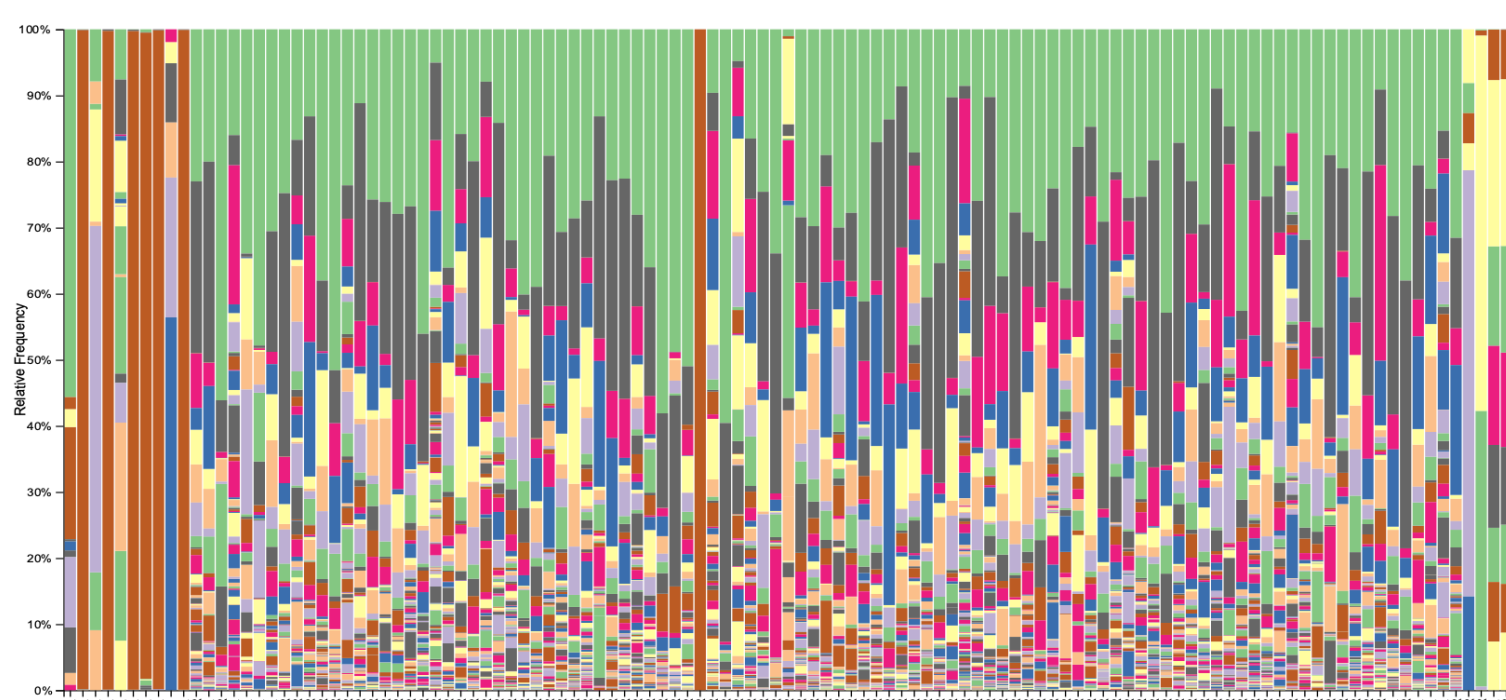
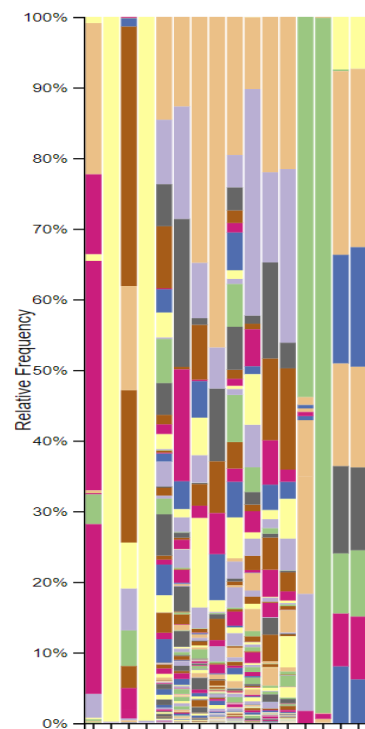
Venn Diagram



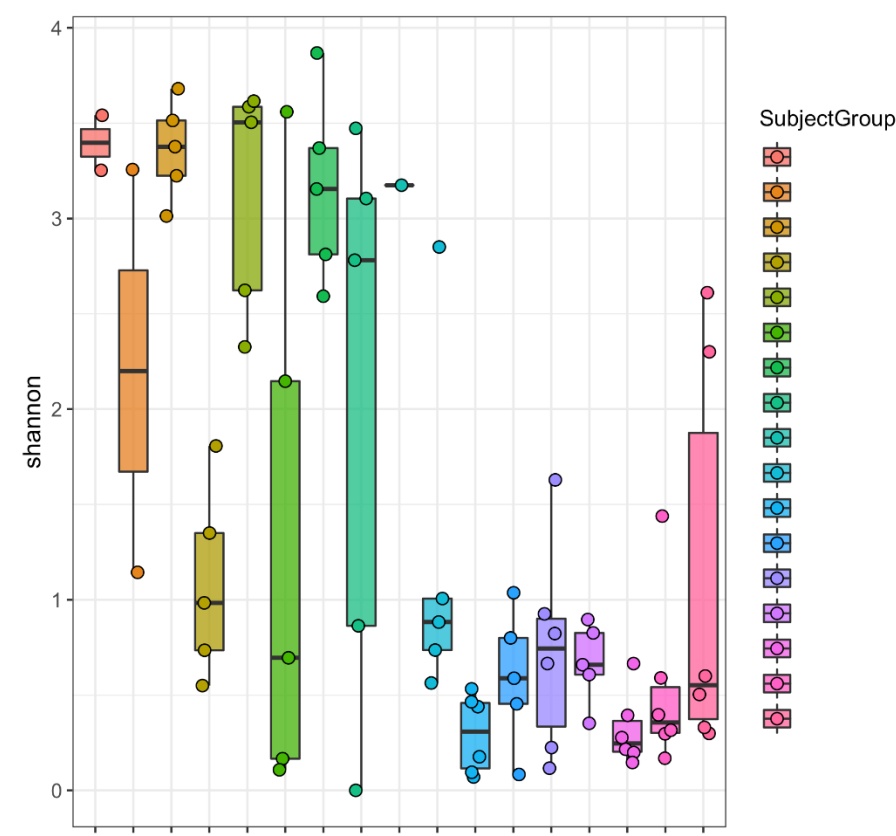
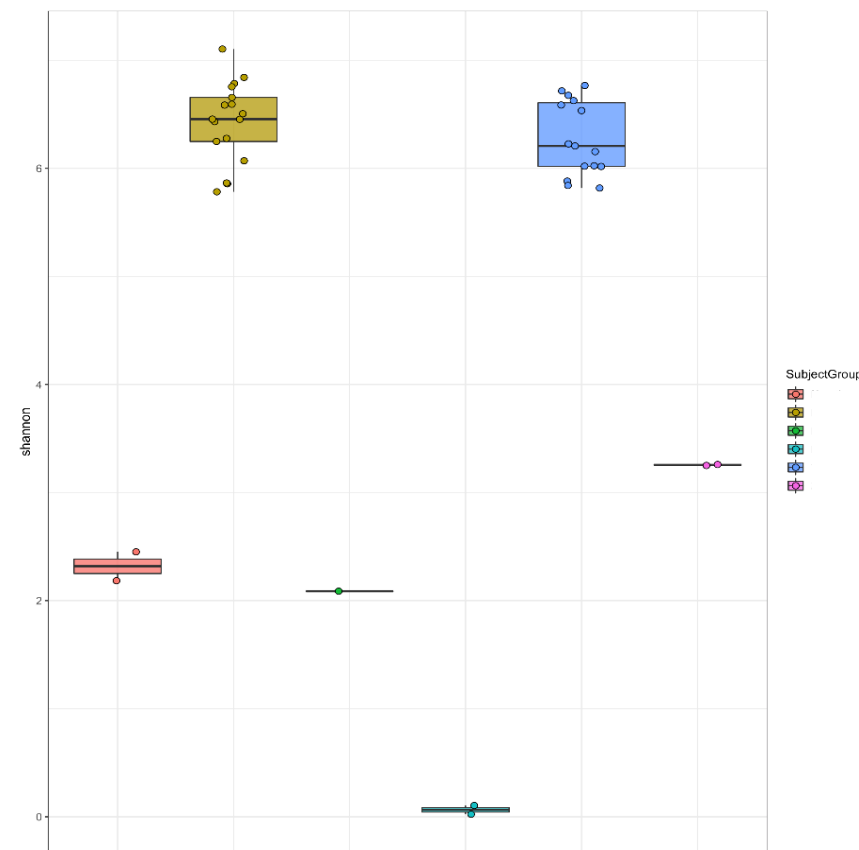
16s Microbiome analysis

- Taxonomic bar plot (QIIME2)
- Taxonomic bar plot (phyloseq)
- Alpha Diversity plot
- Beta Diversity Principal Coordinates Analysis plot
- Taxa level-specific bar plot (phyloseq)
- ASV-specific box plot
- Principal Components Analysis plot (LDM)

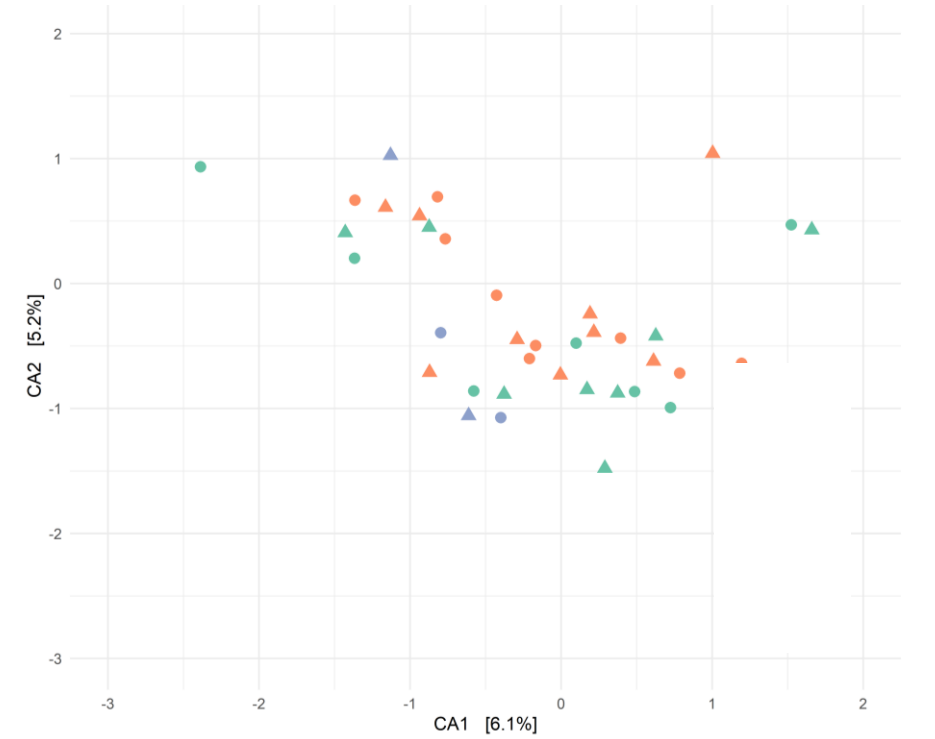
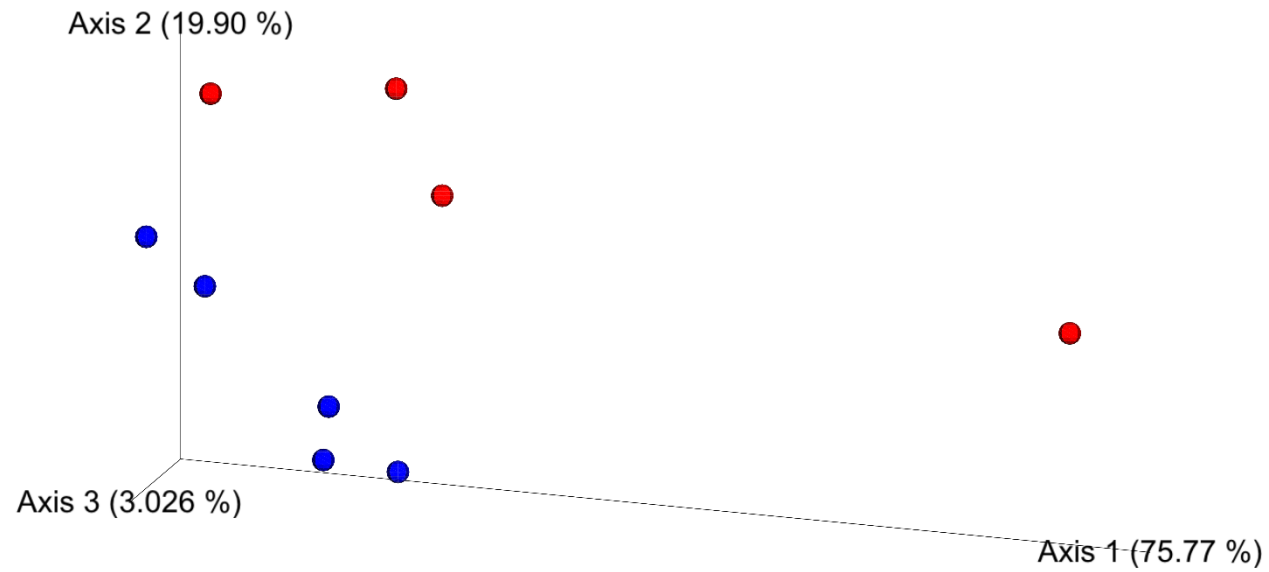
Taxonomic bar plot (QIIME2)



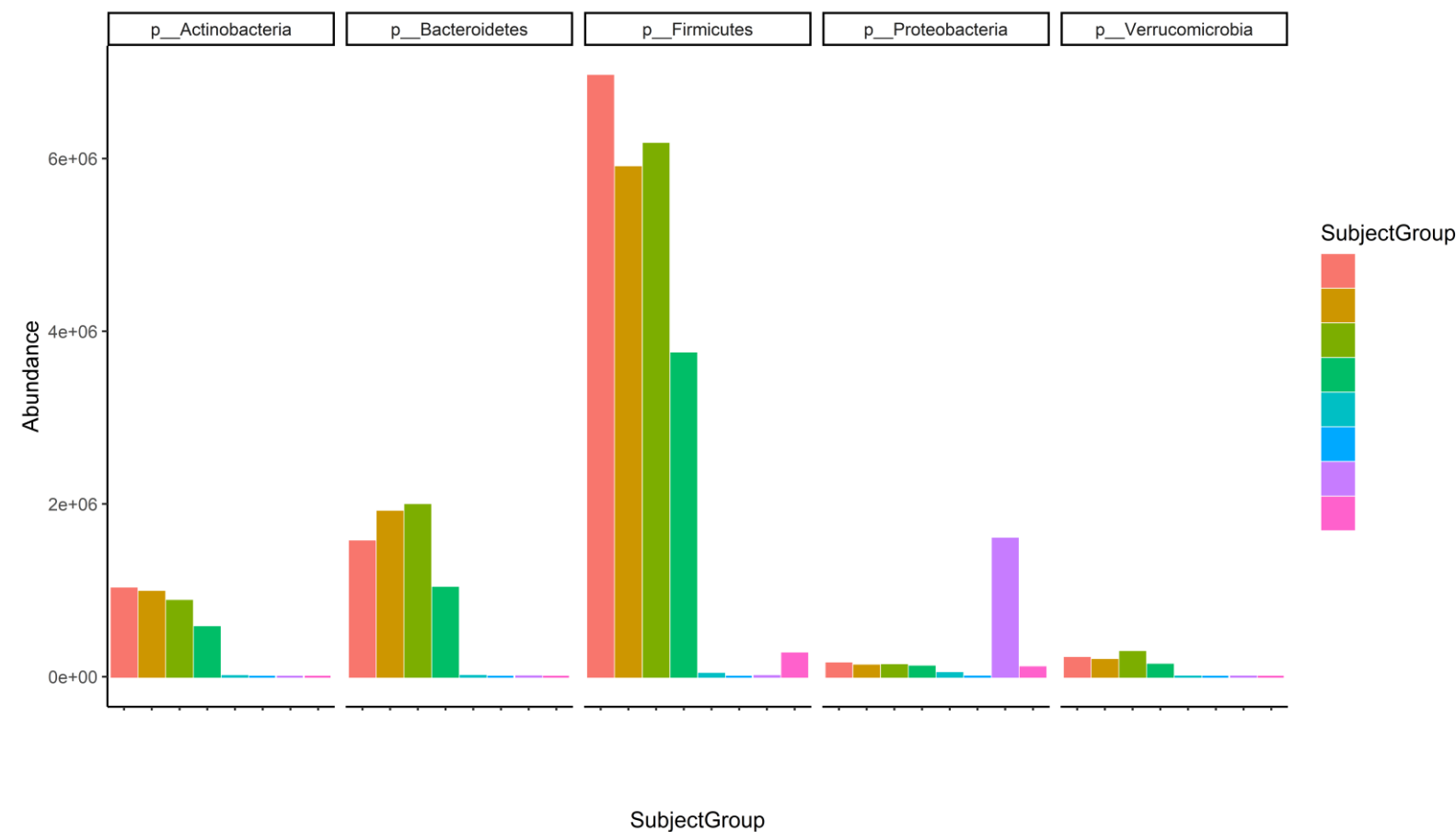
Alpha Diversity plot (R-ggplot2)



Beta Diversity Principal Coordinates Analysis plot (QIIME2 and R- ggplot2)



Taxa level-specific bar plot (R-ggplot2)



ASV-specific box plot(R-ggplot2)

