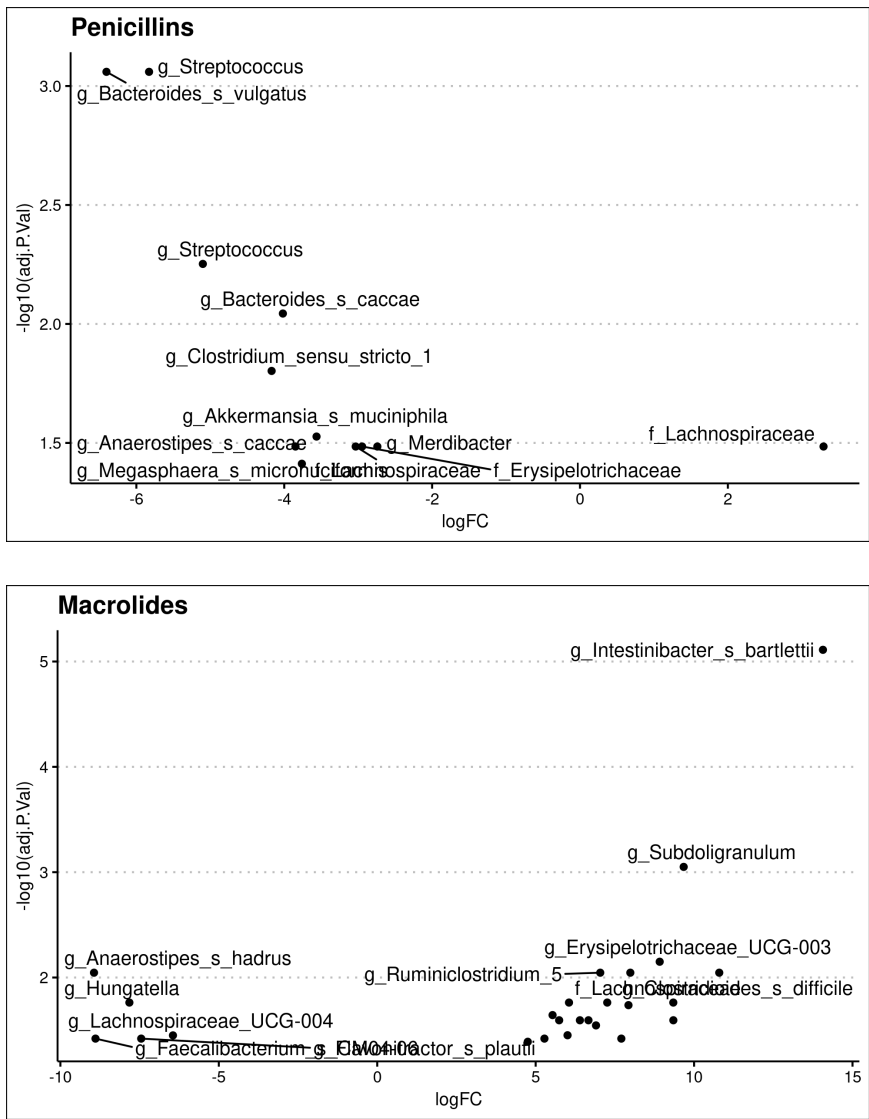
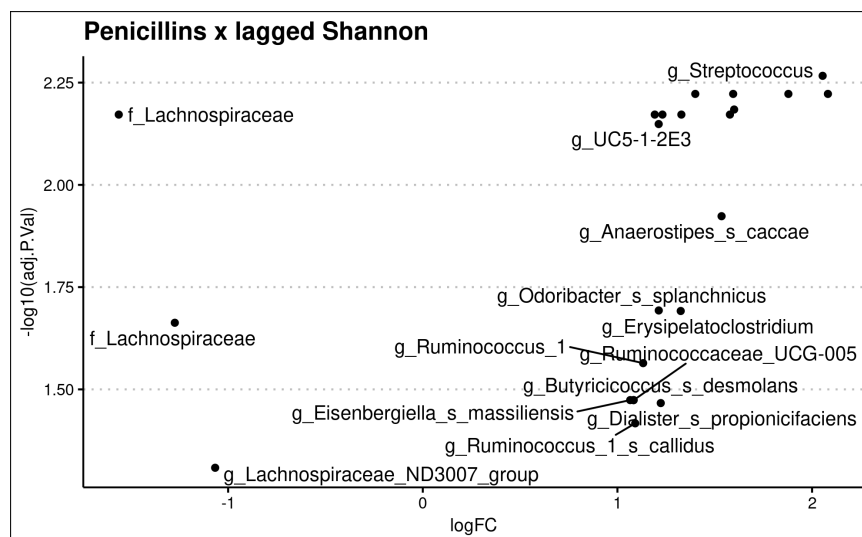
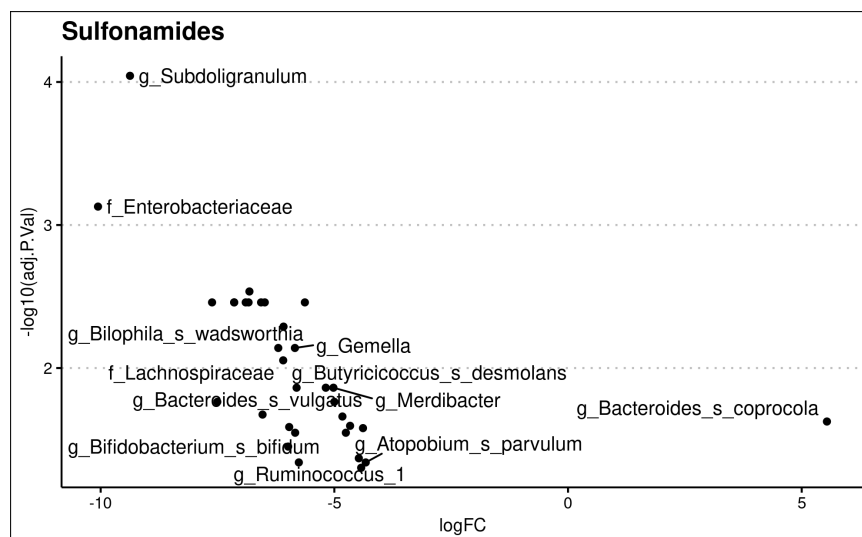
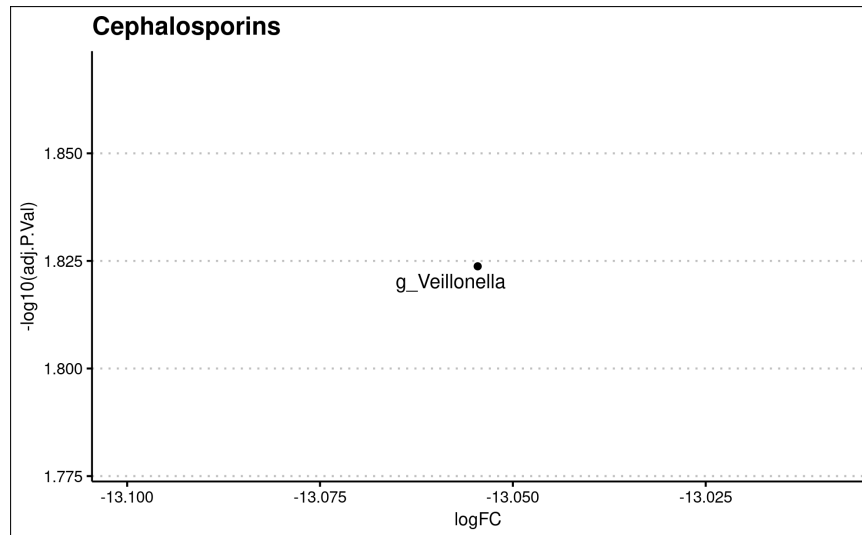
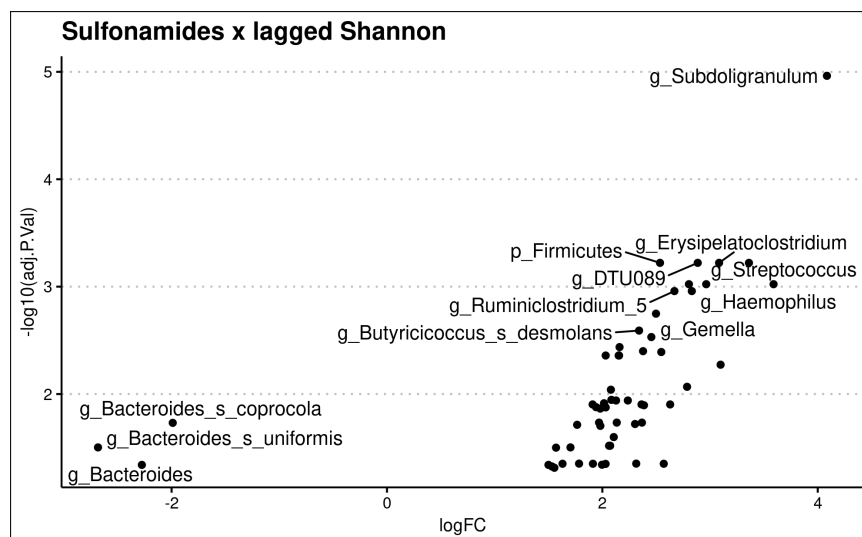
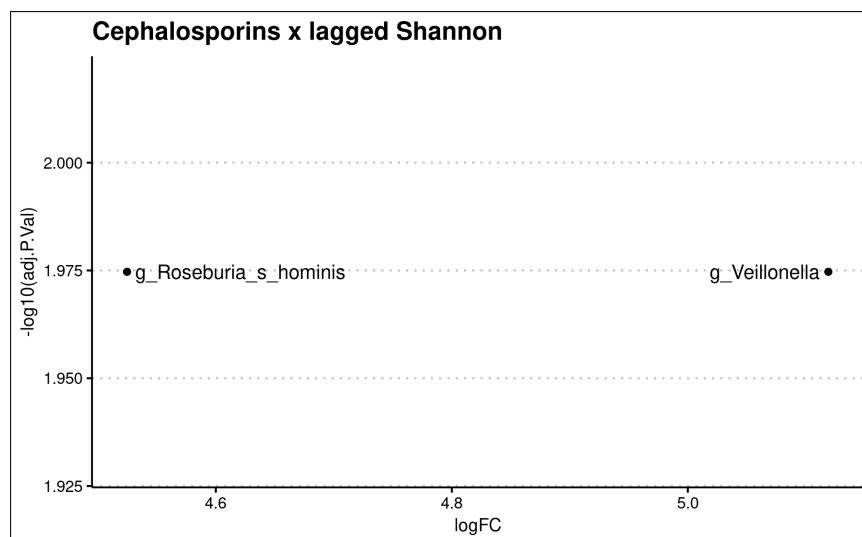
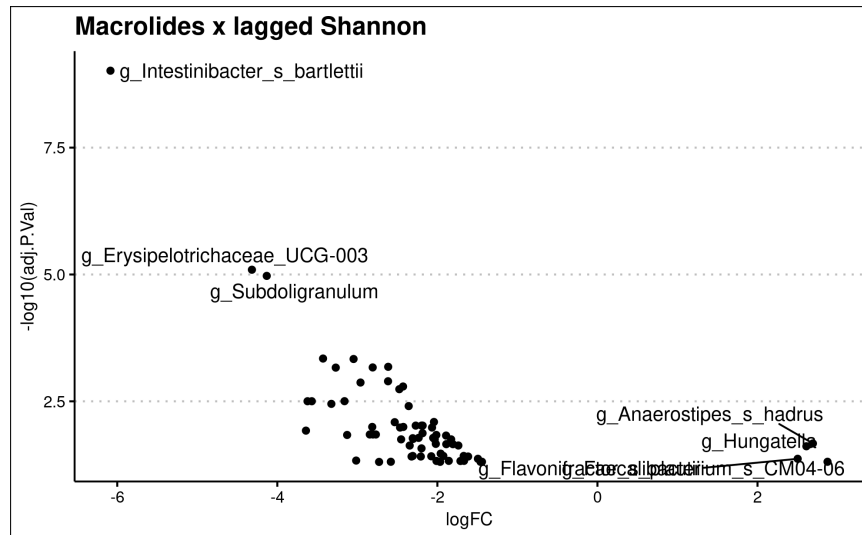


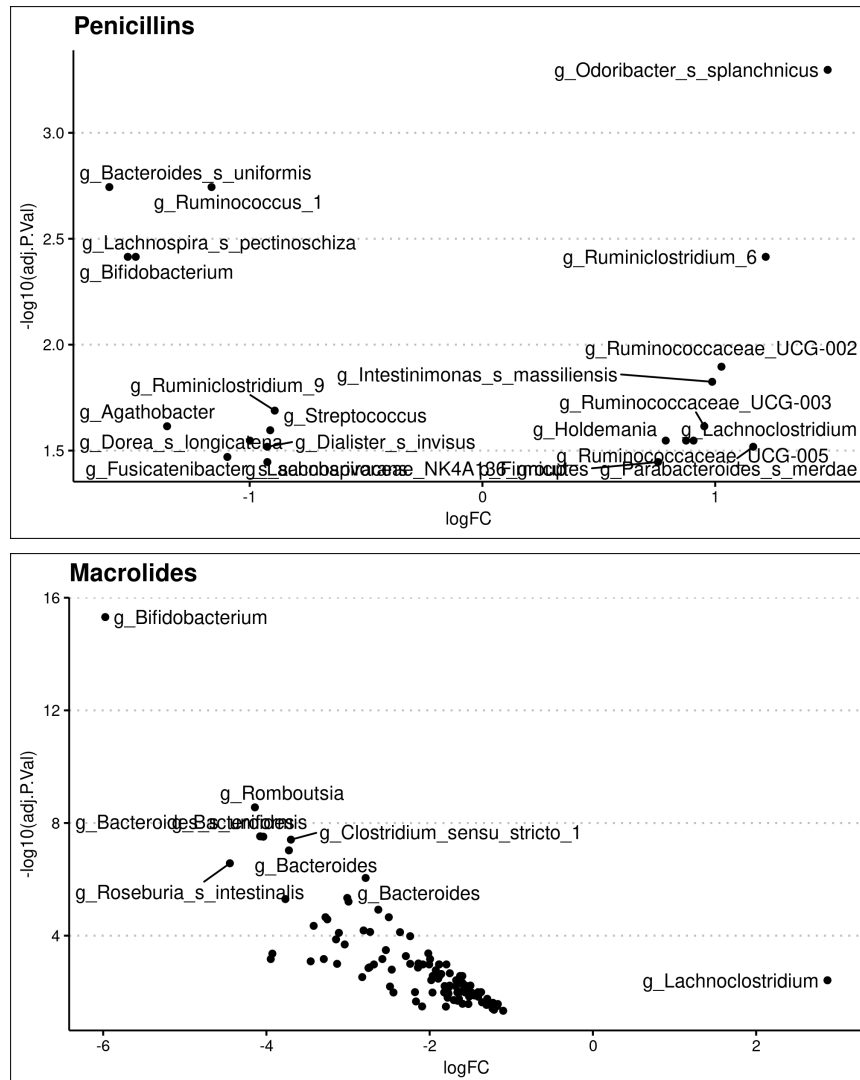
Supplemental Figure 3. Mixed Effects Model of the interaction between lagged Shannon and various classes of antibiotics presented as volcano plots where the y-axis represents decreasing p-value as it increase and the x-axis is log2 fold change. Values in the top right or top left quadrant are significant and have a large effect size.

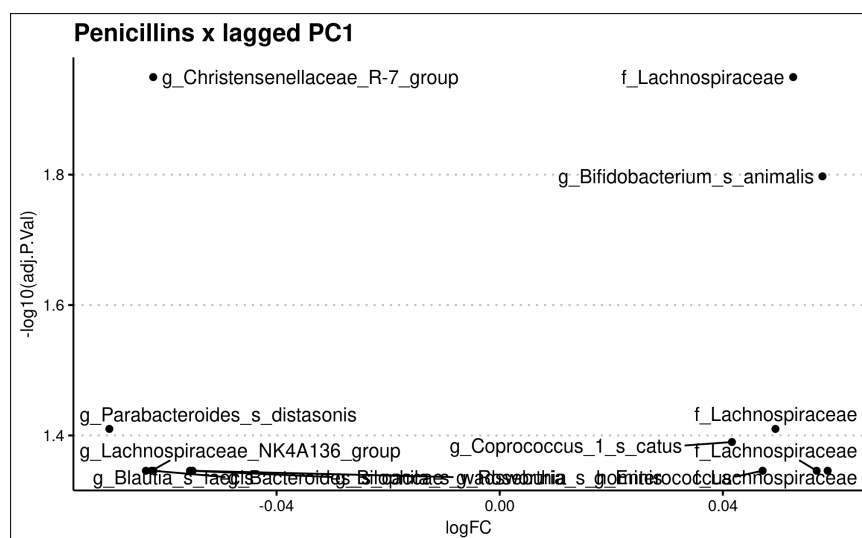
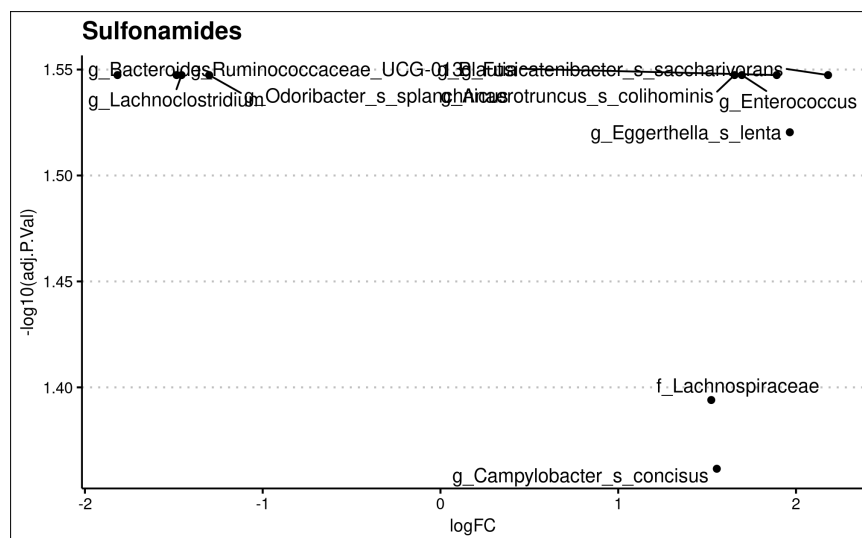
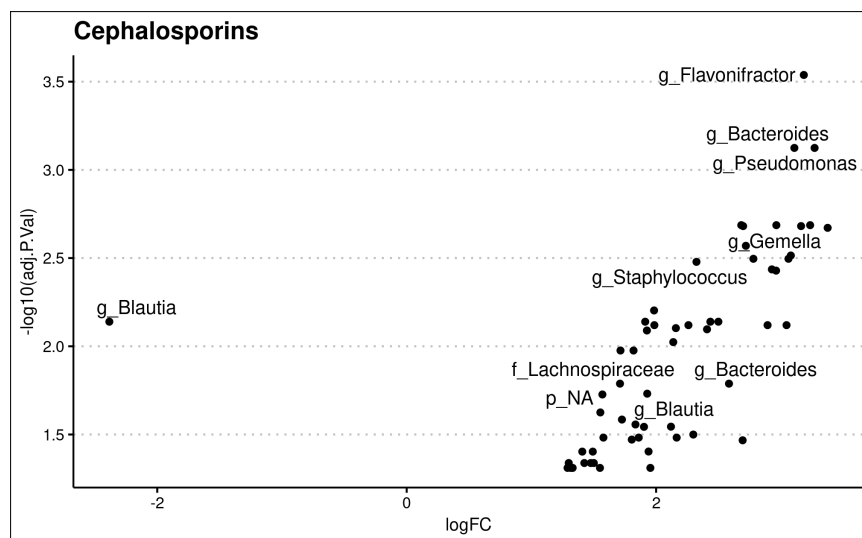


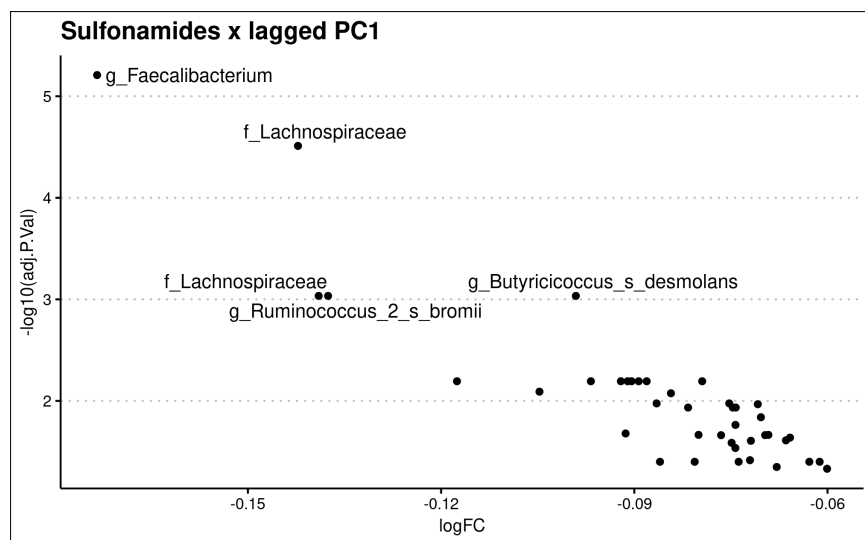
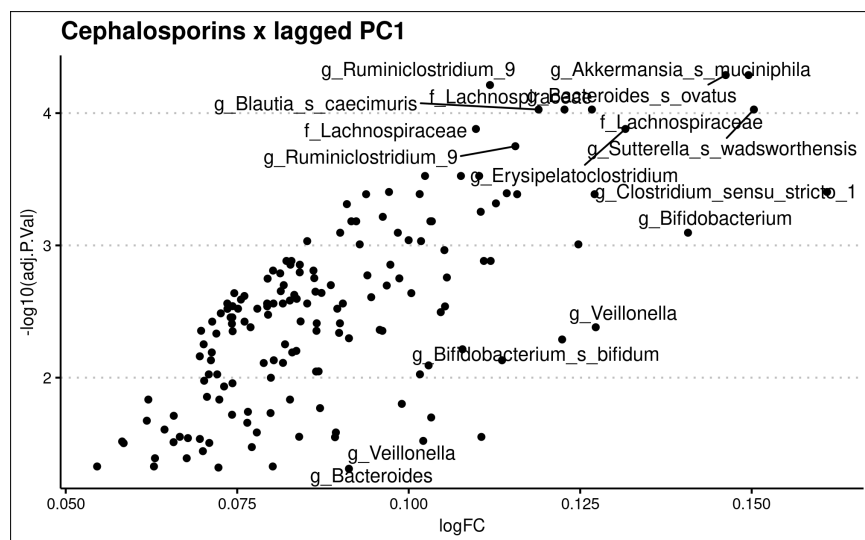
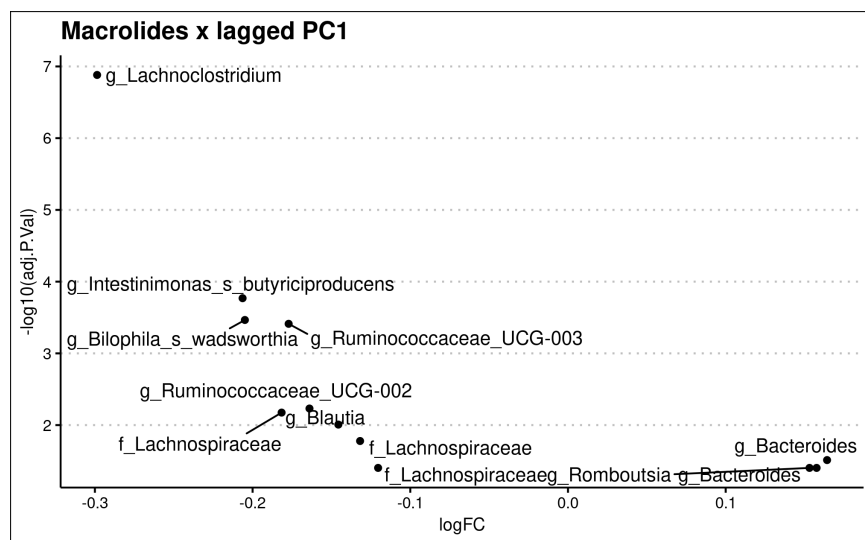




Supplemental Figure 4. Mixed Effects Model of the interaction between lagged PC1 and various classes of antibiotics presented as volcano plots where the y-axis represents decreasing p-value as it increase and the x-axis is log2 fold change. Values in the top right or top left quadrant are significant and have a large effect size.







Supplemental Figure 5. Mixed Effects Model of the interaction between lagged PC2 and various classes of antibiotics presented as volcano plots where the y-axis represents decreasing p-value as it increase and the x-axis is log2 fold change. Values in the top right or top left quadrant are significant and have a large effect size.

