

Supplementary Material

1 SUPPLEMENTARY TABLES AND FIGURES

1.1 Figures

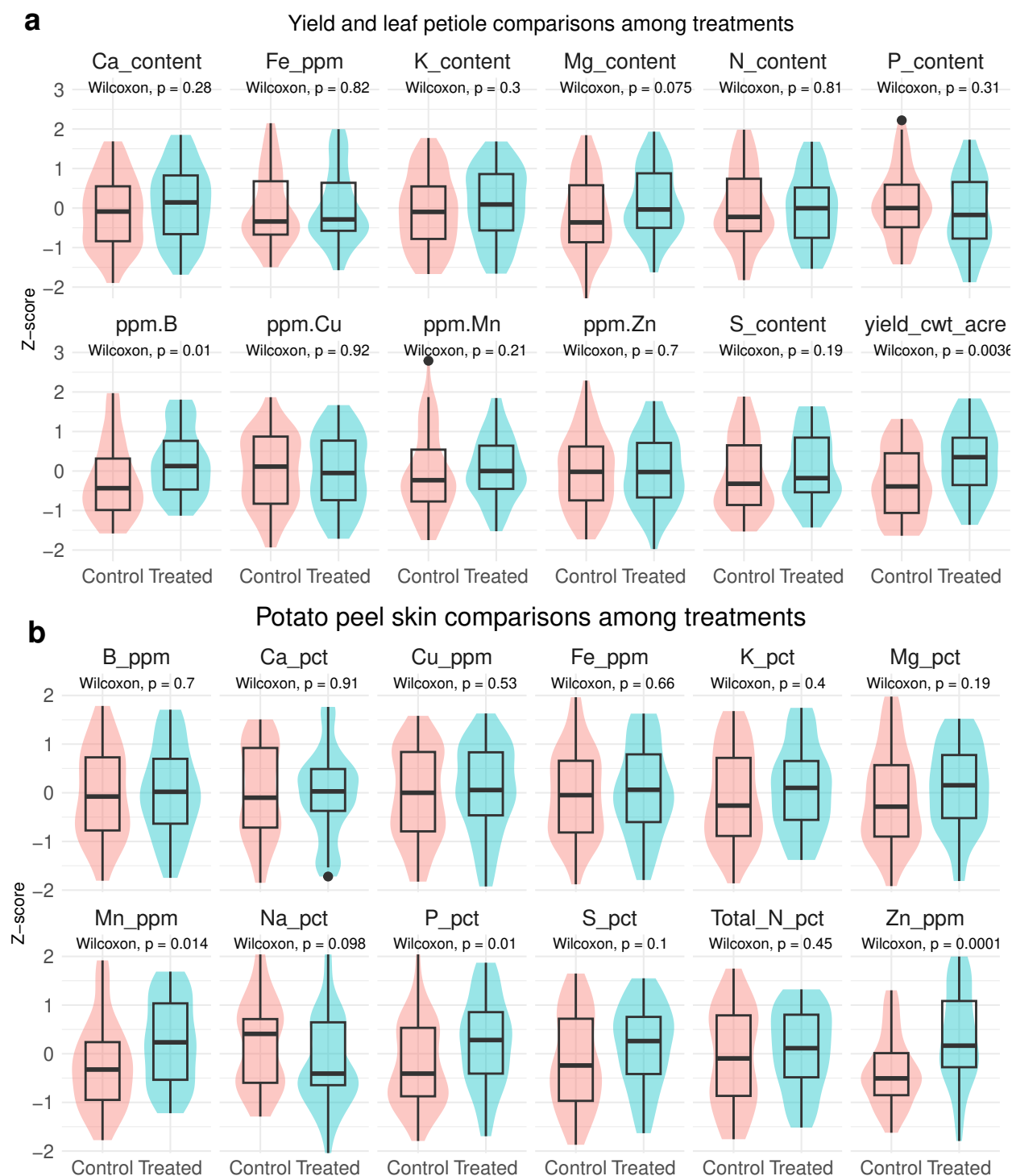


Figure S1: Leaf Petiole and yield (panel a) and potato peel (panel b) comparison between treatments and control normalized per location.

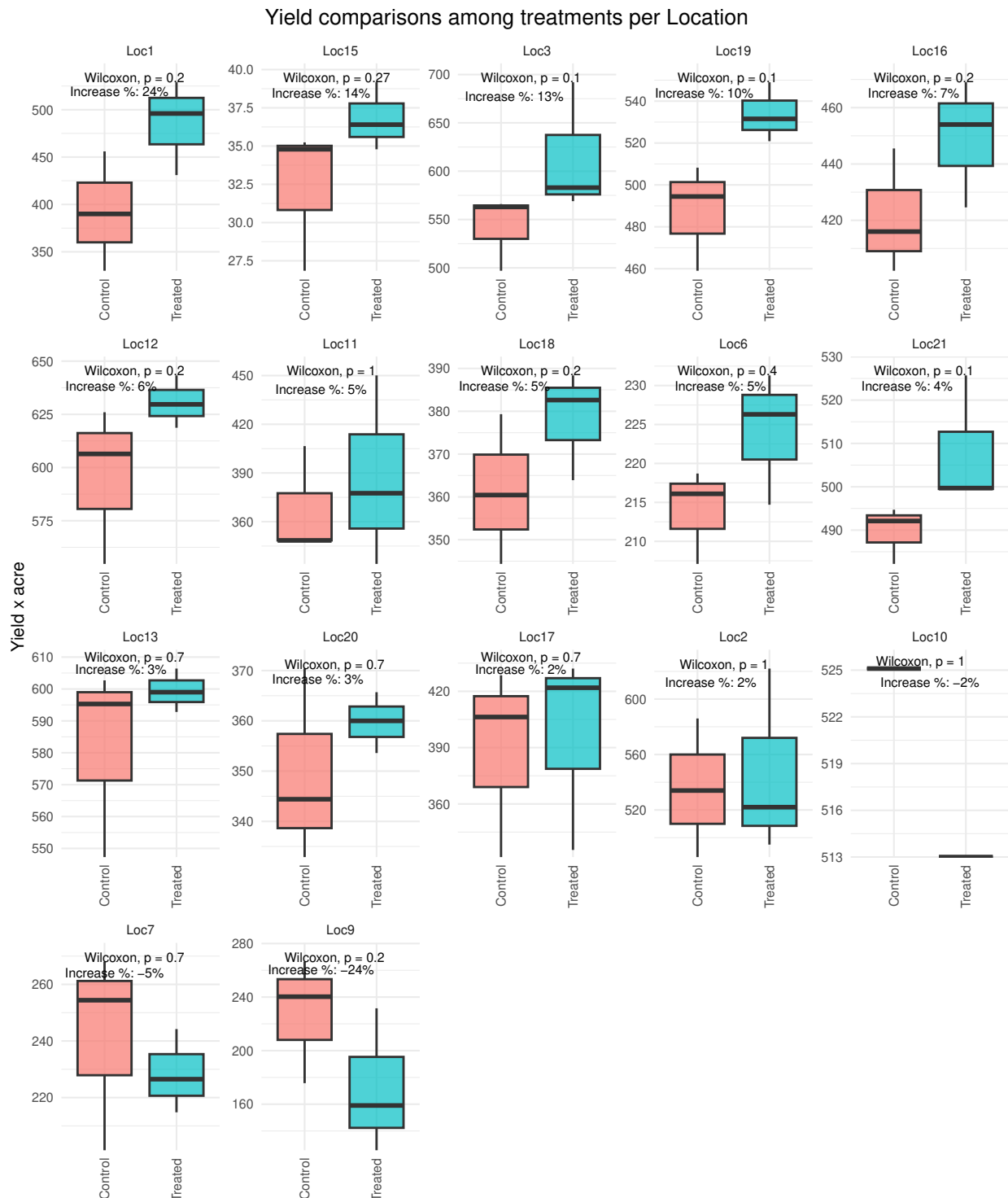


Figure S2: Per location raw yield comparisons among treatments. Percentage of increase was calculated for each location, with positive values indicating a positive yield increase from control to treated. Note that axis Y has different scales

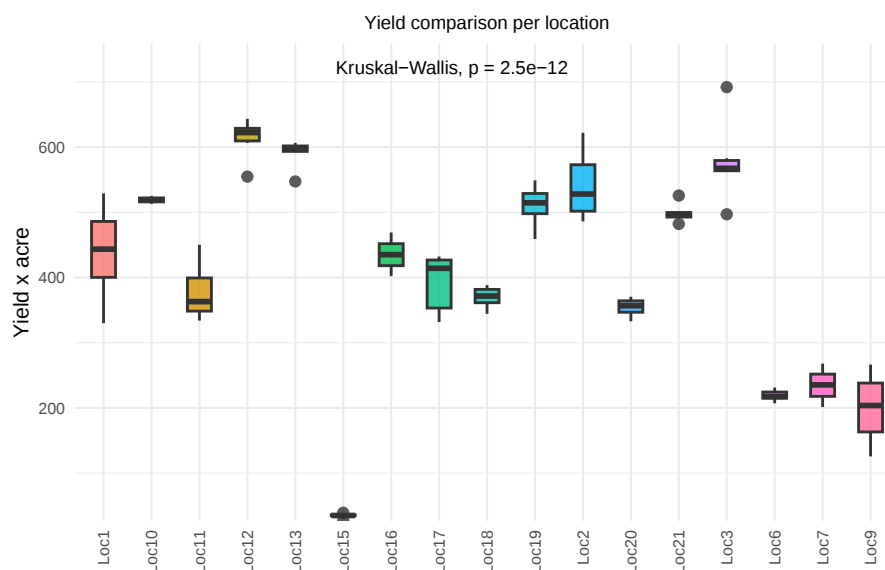


Figure S3: Overall raw yield per location comparison (treatment and control)

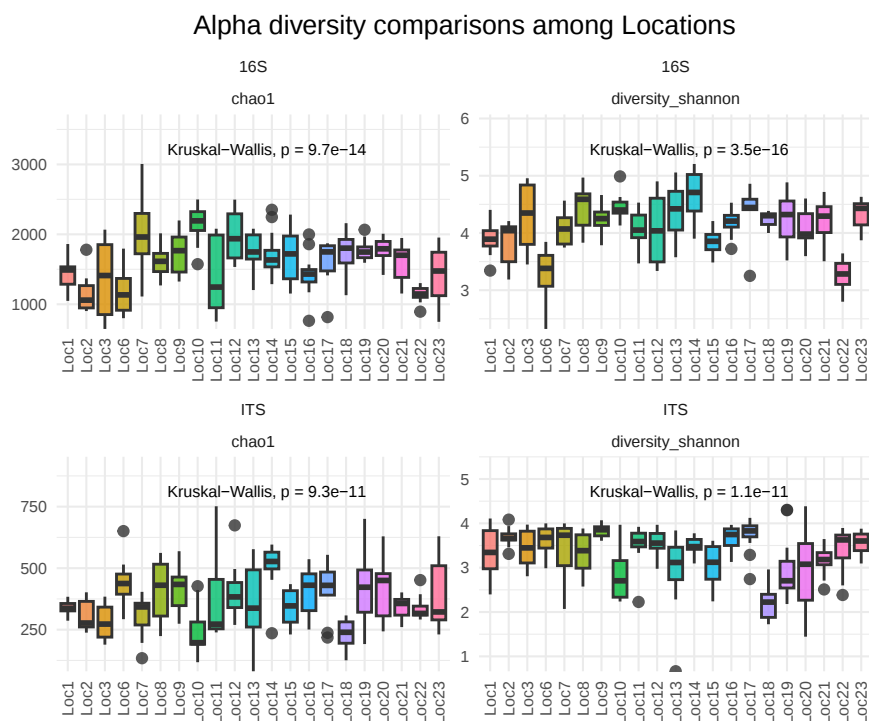


Figure S4: Overall biodiversity comparison among locations

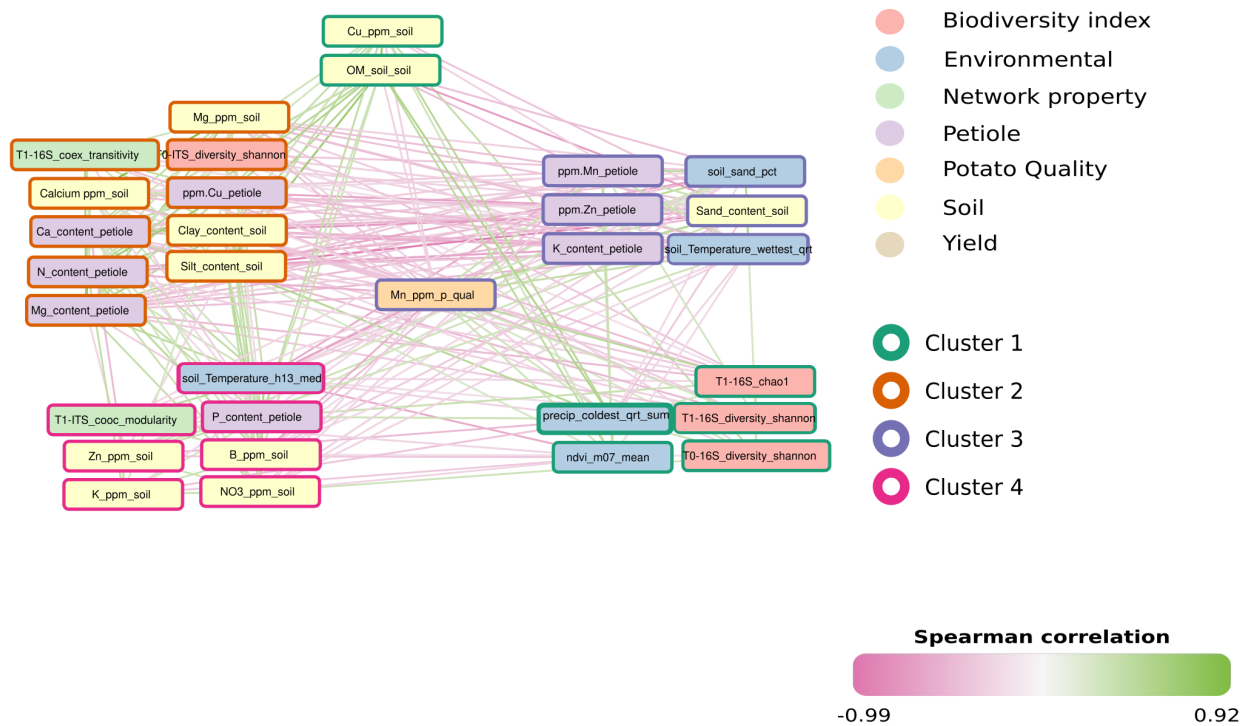


Figure S5: Subgraph showing only the neighborhood of potato peel Manganese. Each edge represents a Spearman correlation between two variables.

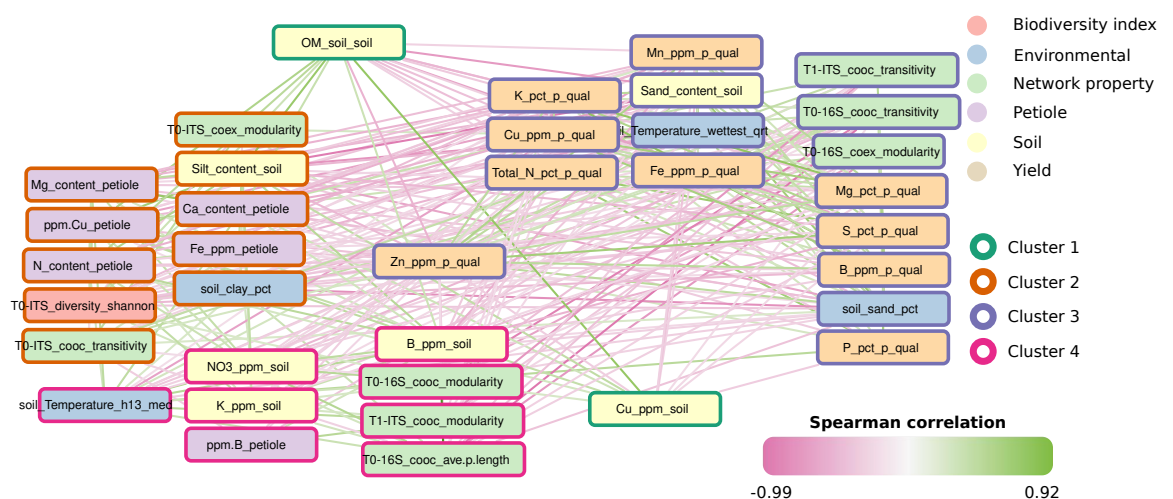


Figure S6: Subgraph showing only the neighborhood of potato peel Zinc. Each edge represents a Spearman correlation between two variables.



Figure S7: Scatter plots of alpha diversity indexes and soil (panel a), petiole (panel b) and potato peel data (panel c).

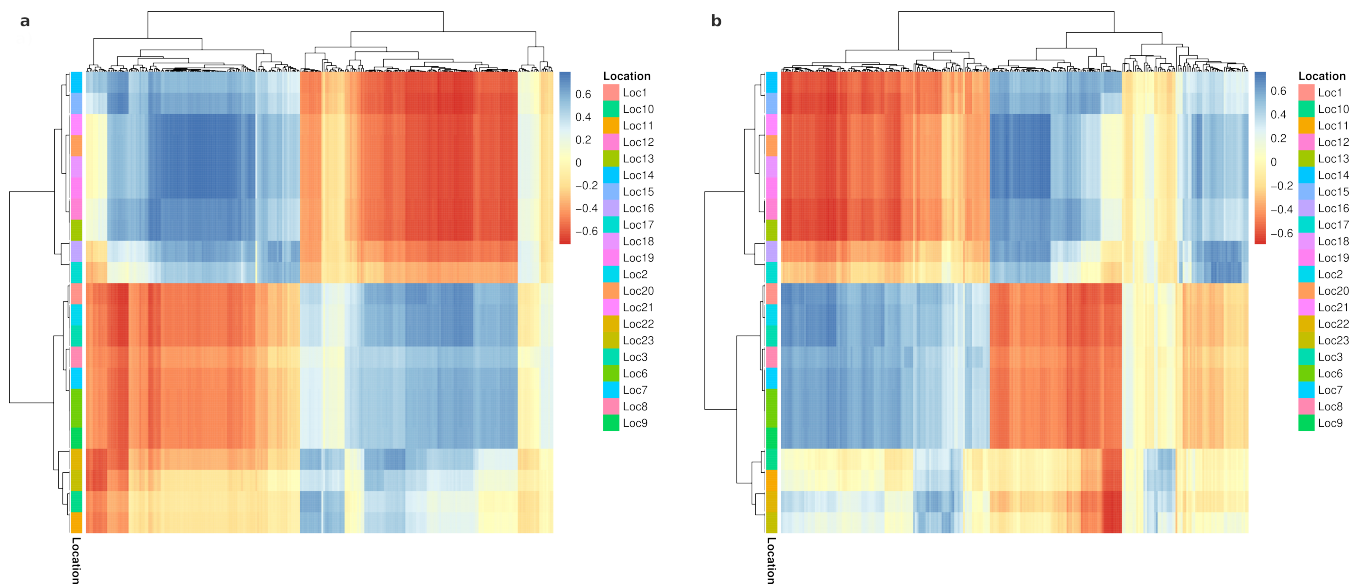


Figure S8: Correlation clustering of geographical and beta diversity indexes for 16S (left) and ITS (right) markers

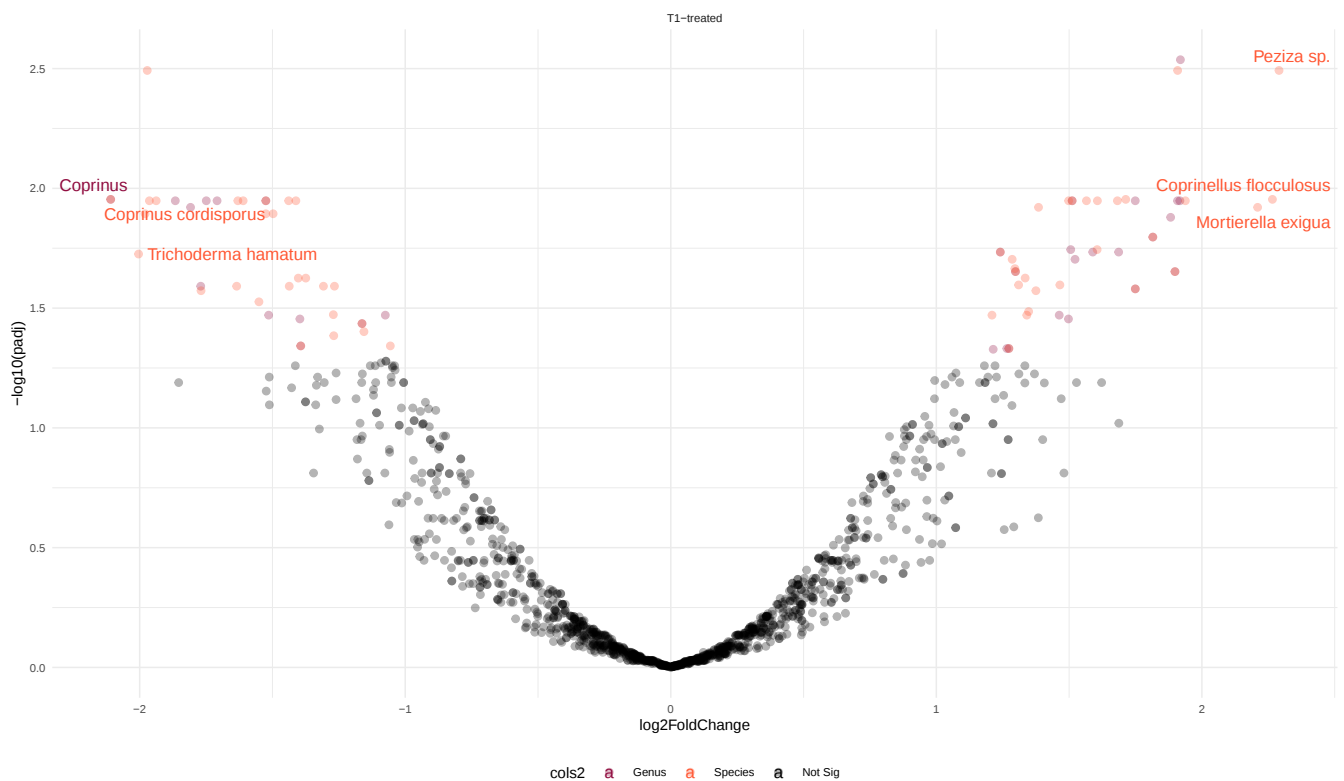


Figure S9: Volcano plot showing differentially abundant ($\text{abs}(\log_2\text{Fold change})$ greater than 2 and adjusted pval smaller than 0.05 at different taxonomic levels using negative binomial distribution (DESeq2) at T1 treated compared to T0.