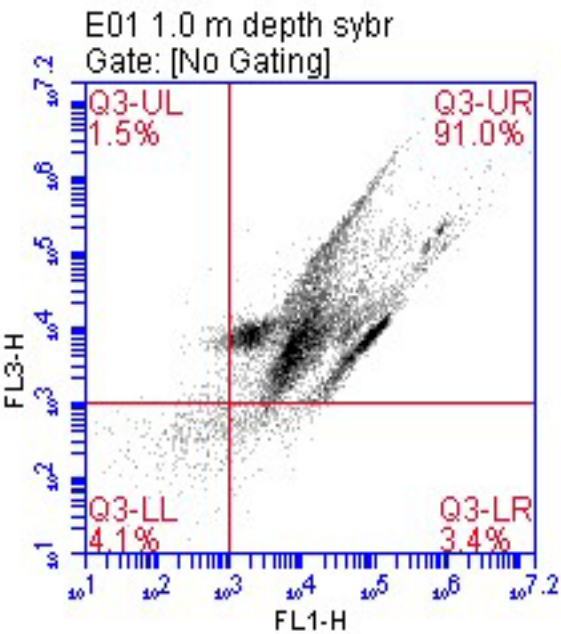
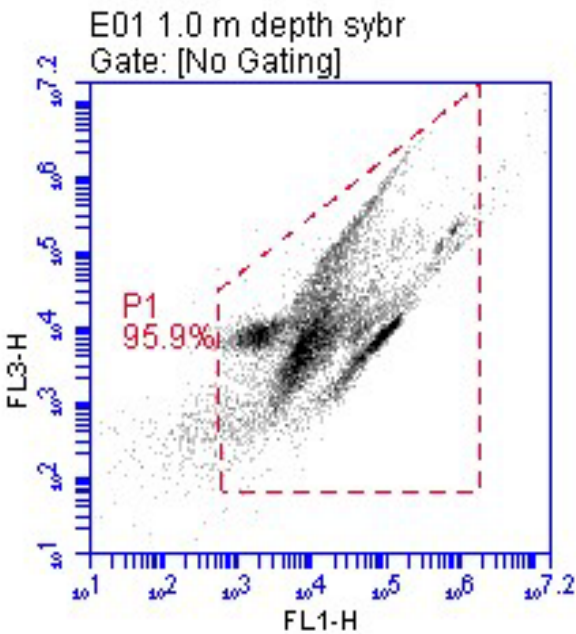


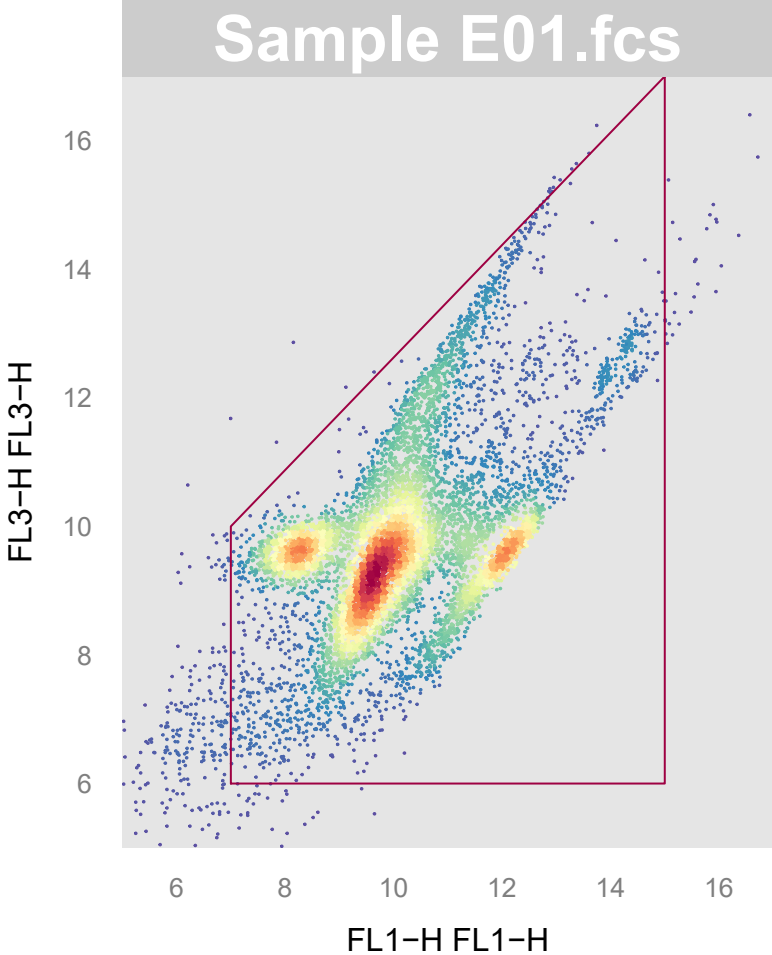
**A. Automatic Gating for PLPs counts (1m)**



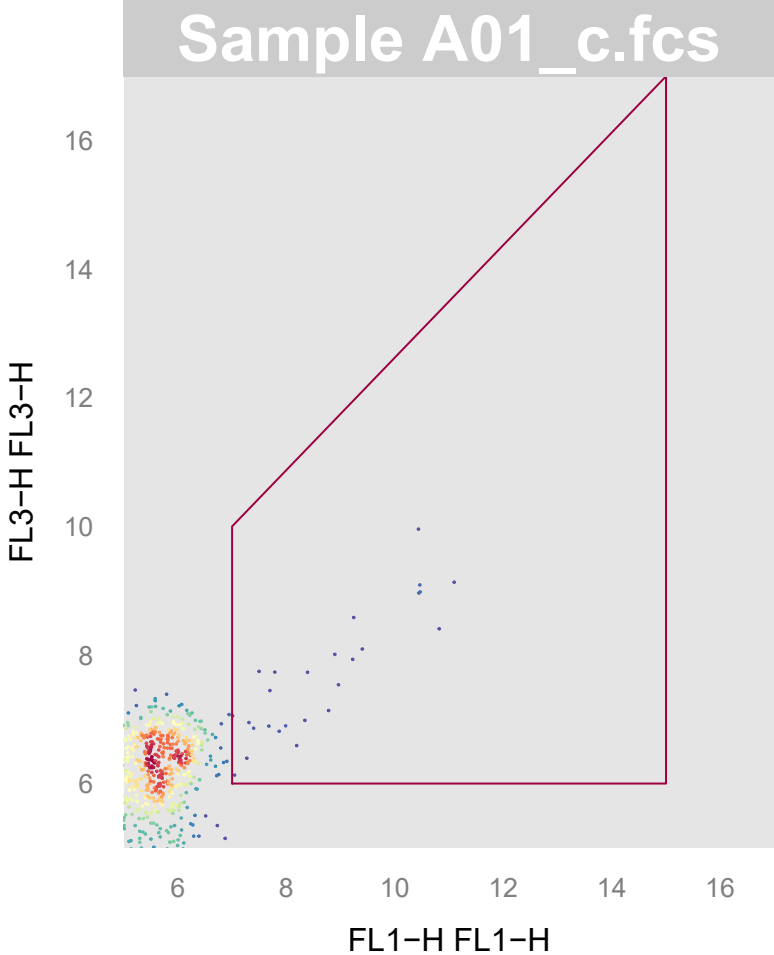
**B. Manual Gating for PLPs counts (1m)**



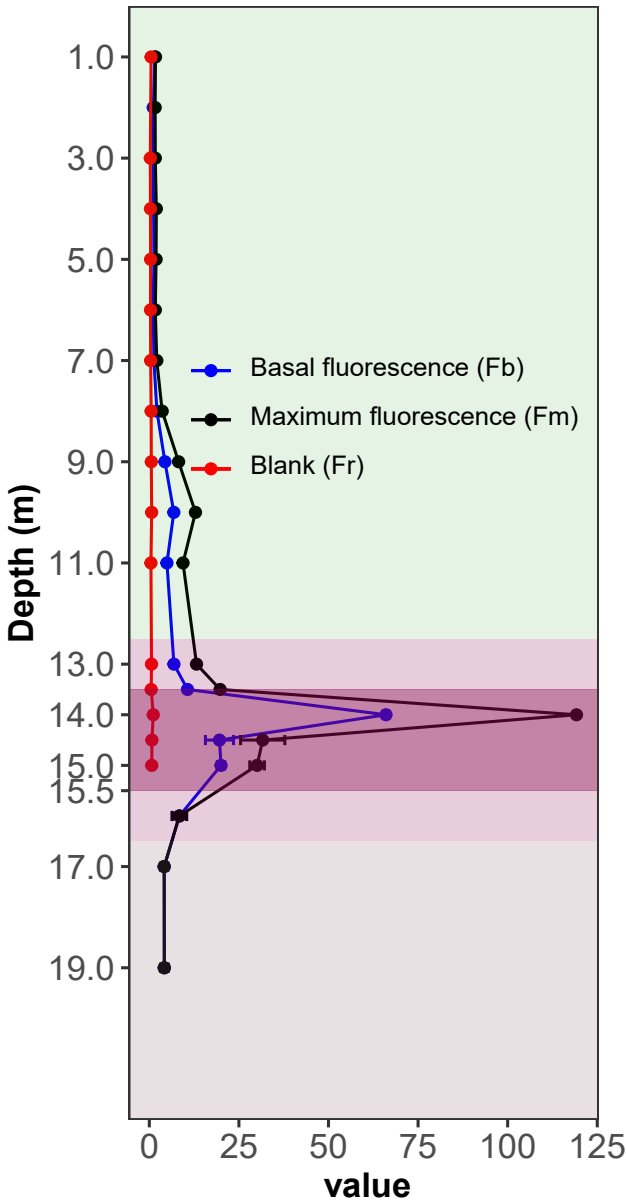
**C. Manual Gating for PLPs diversity (1m)**

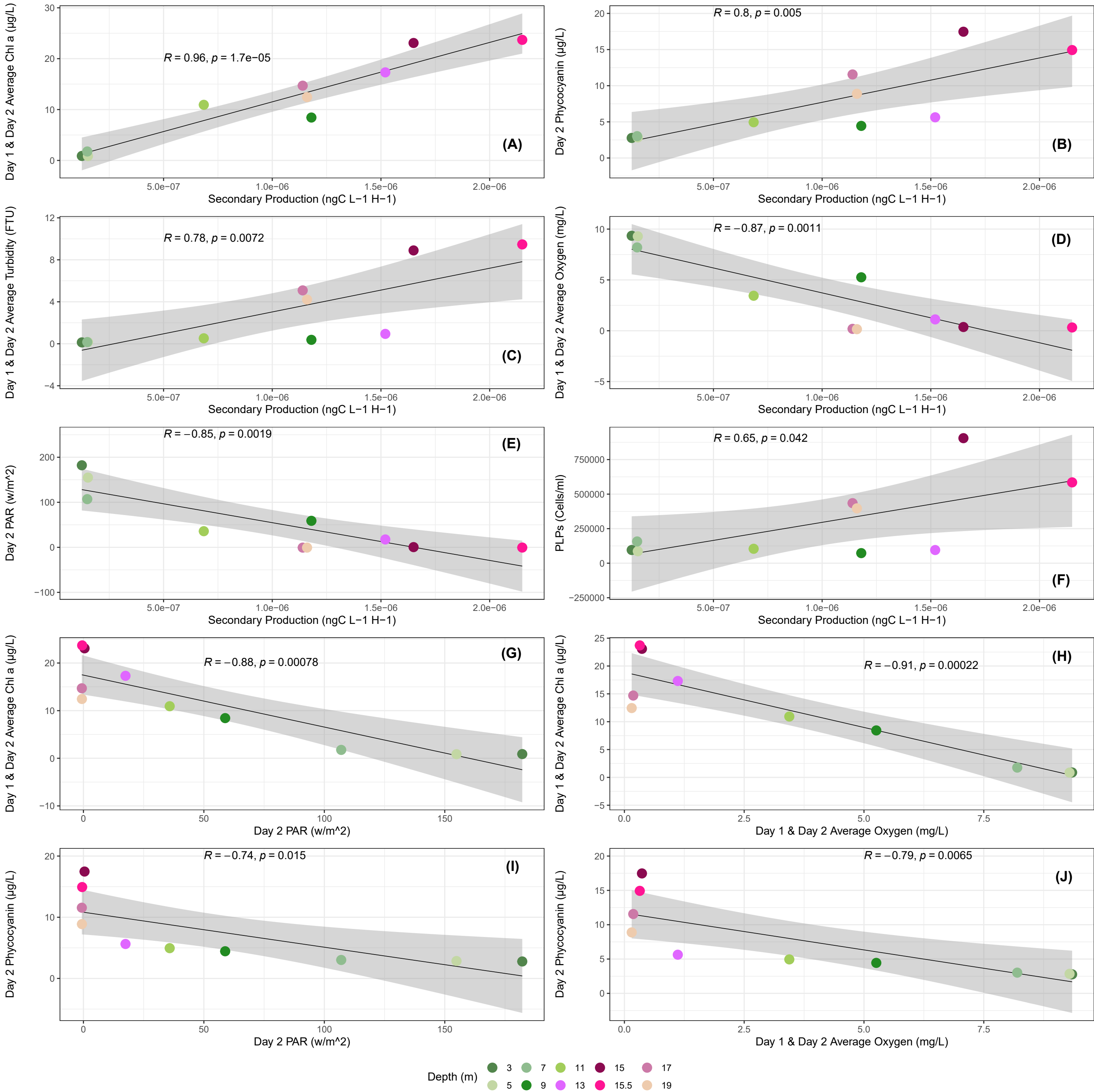


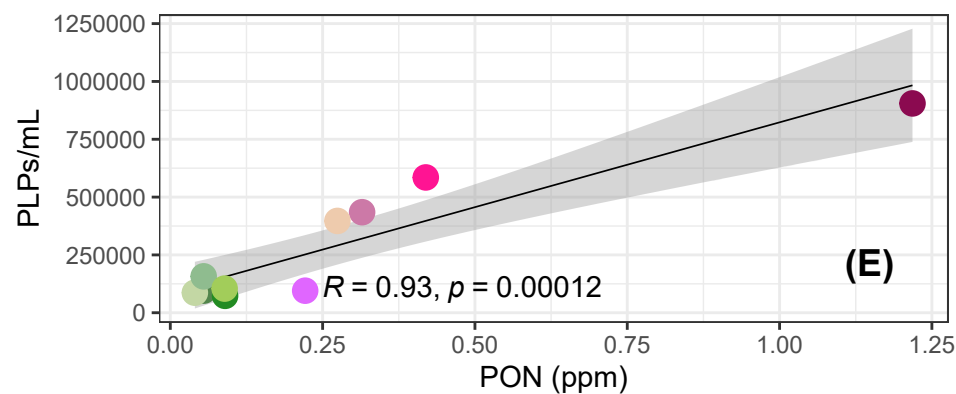
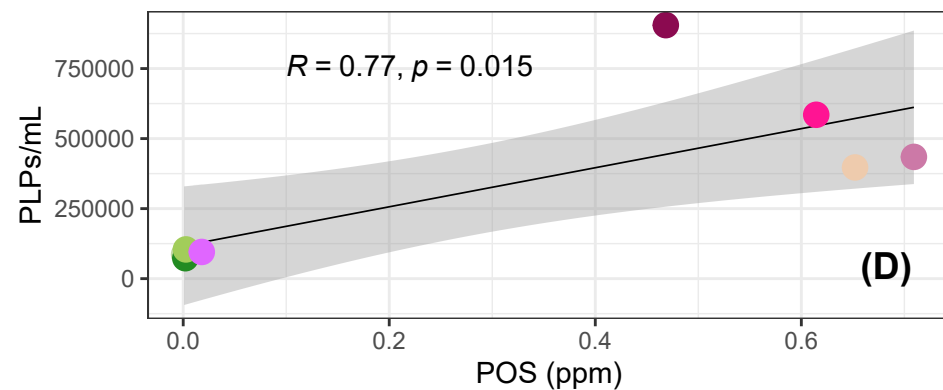
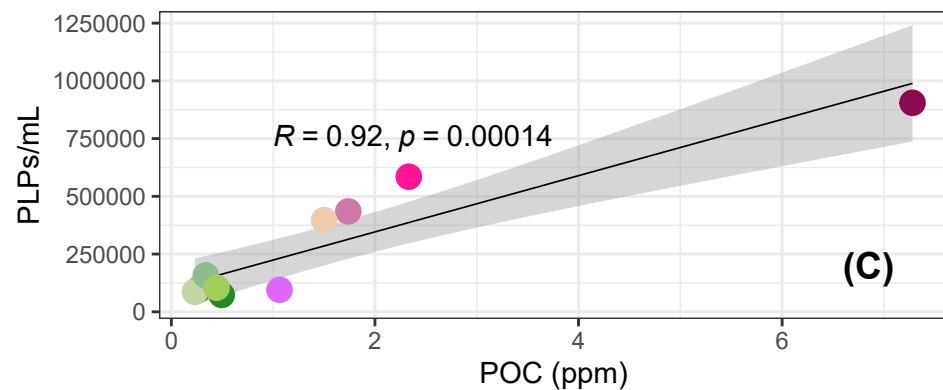
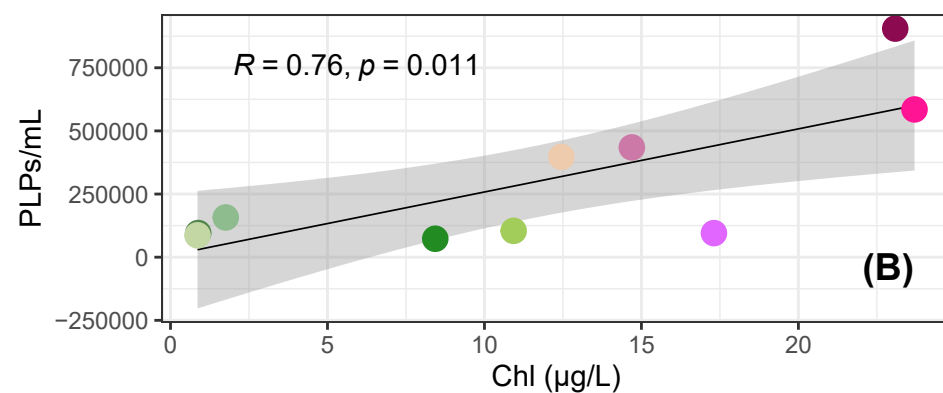
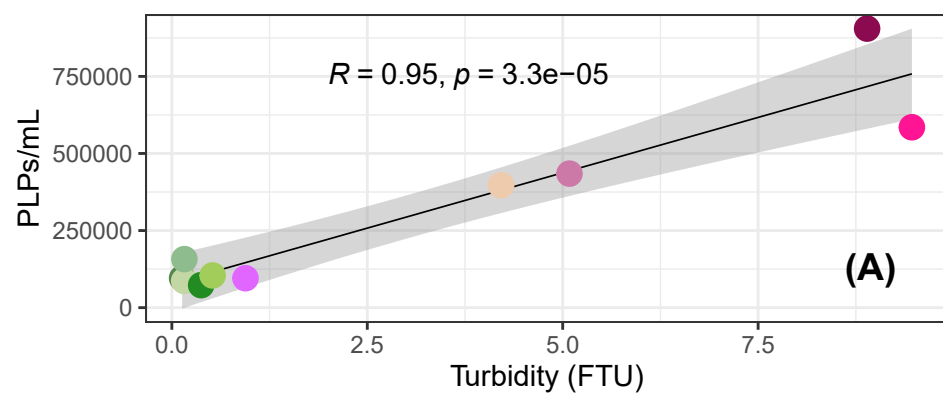
**D. Manual Gating for PLPs diversity (Control)**



**E. Photosynthetic activity**

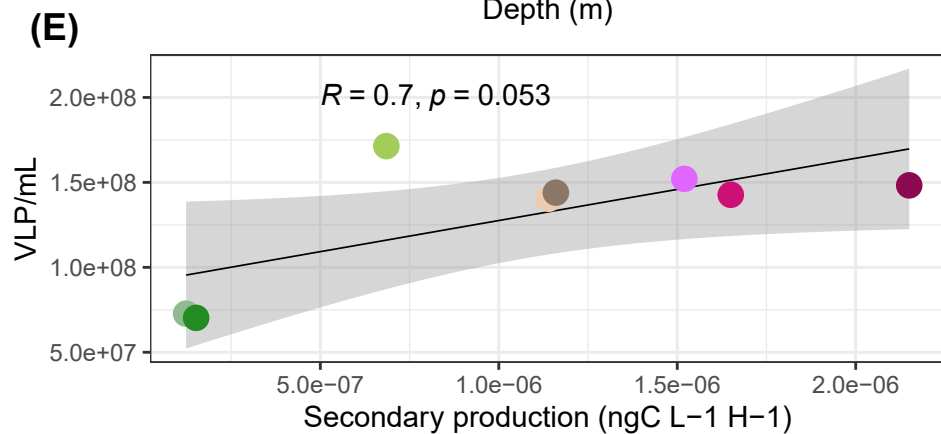
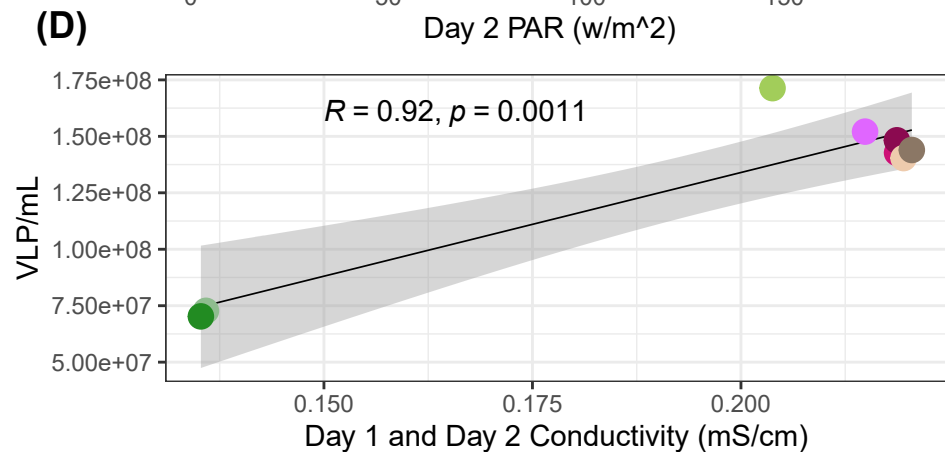
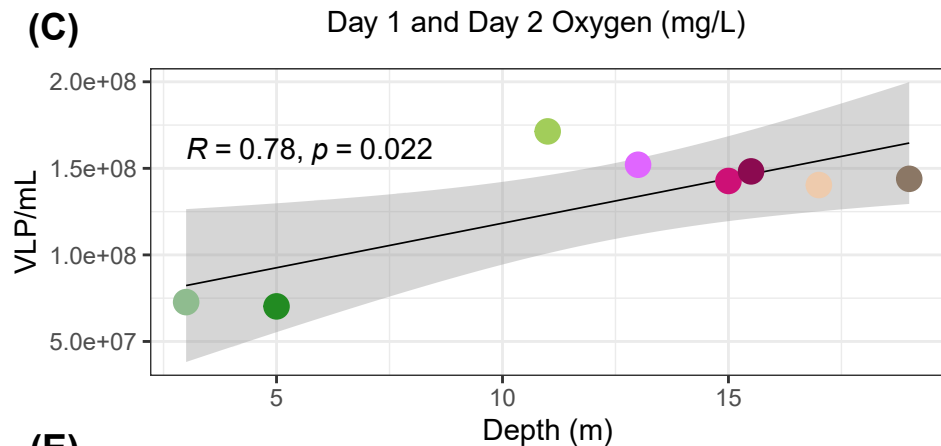
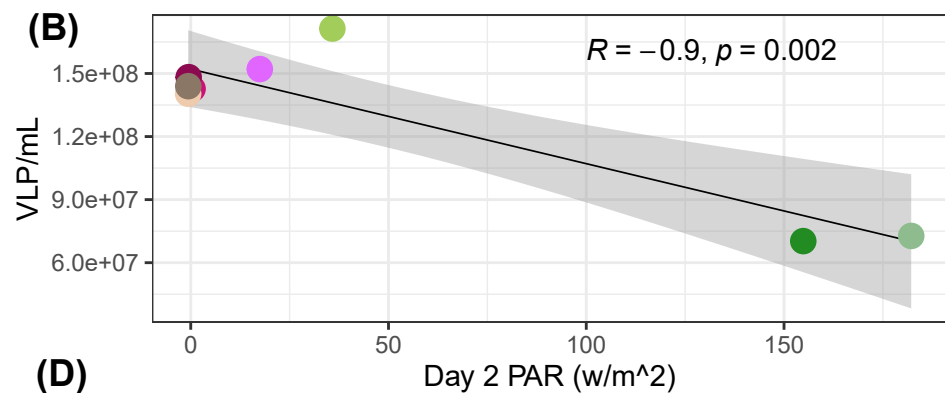
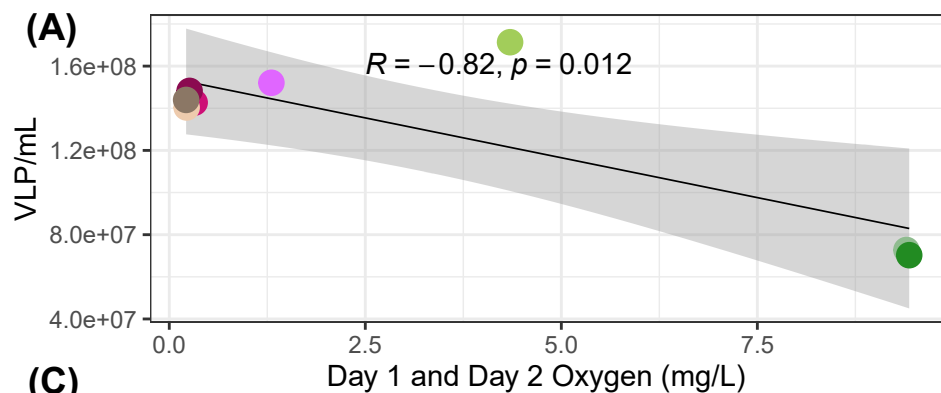






Depth (m)

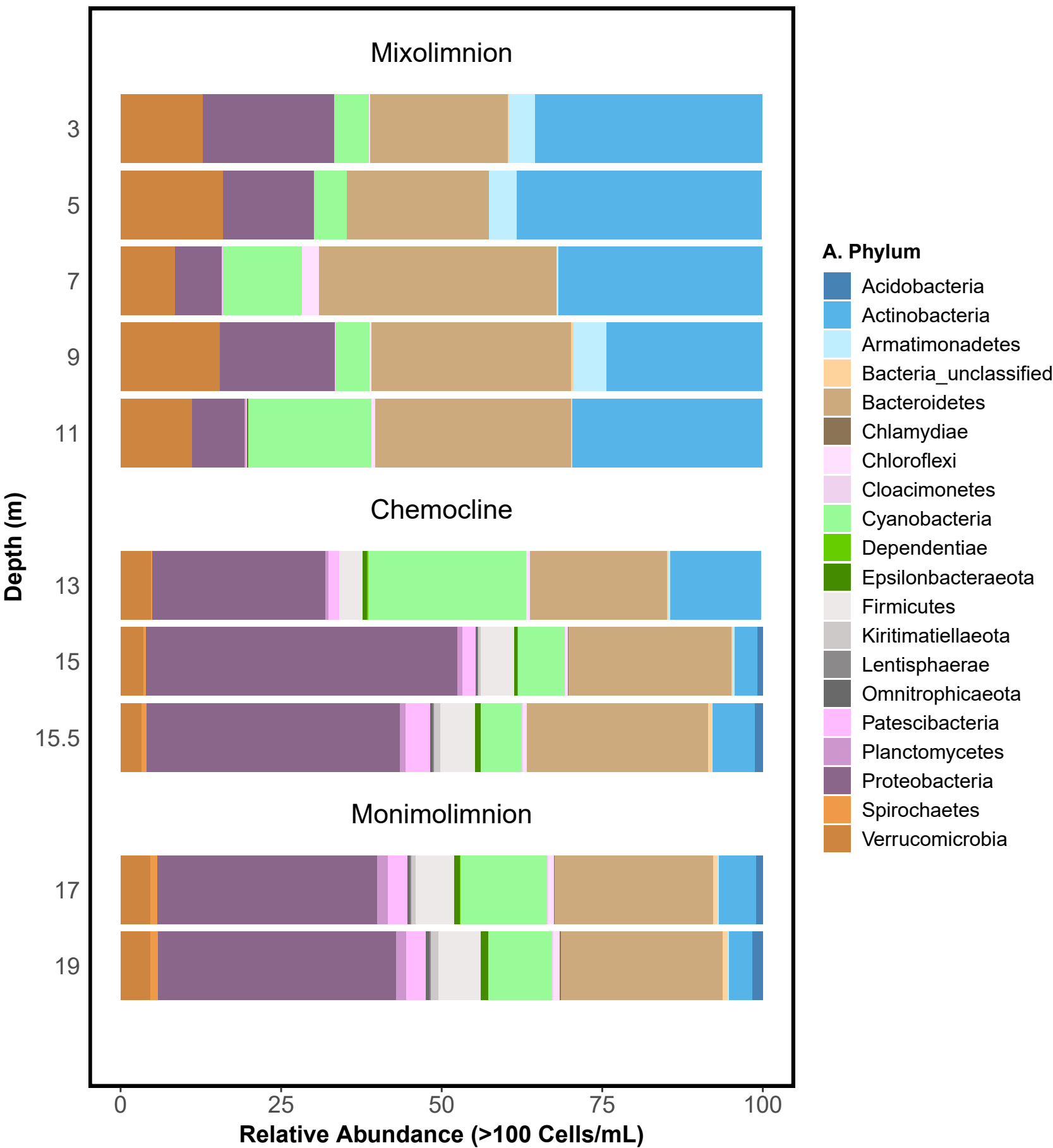
3	7	11	15	17
5	9	13	15.5	19



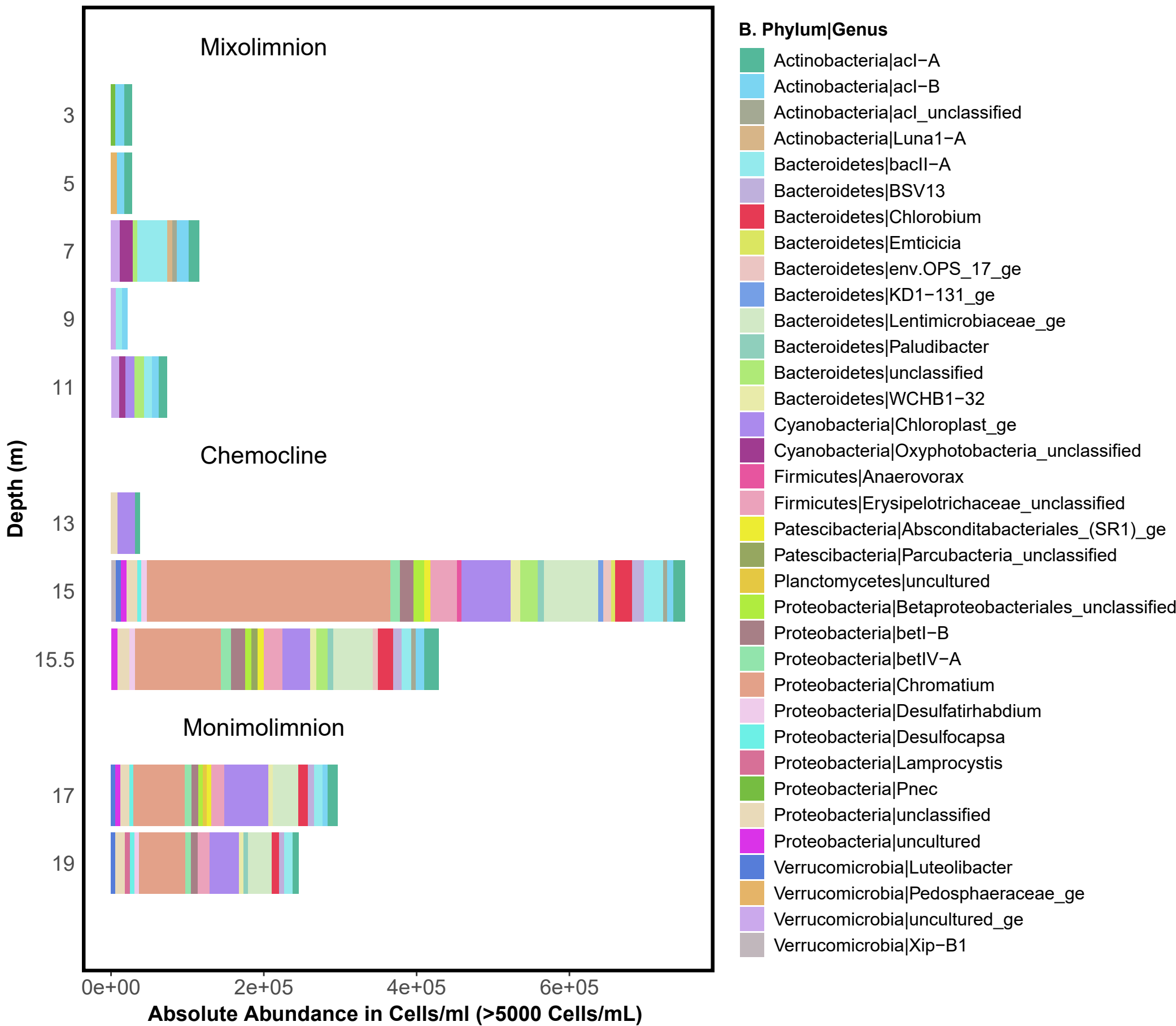
Depth (m)

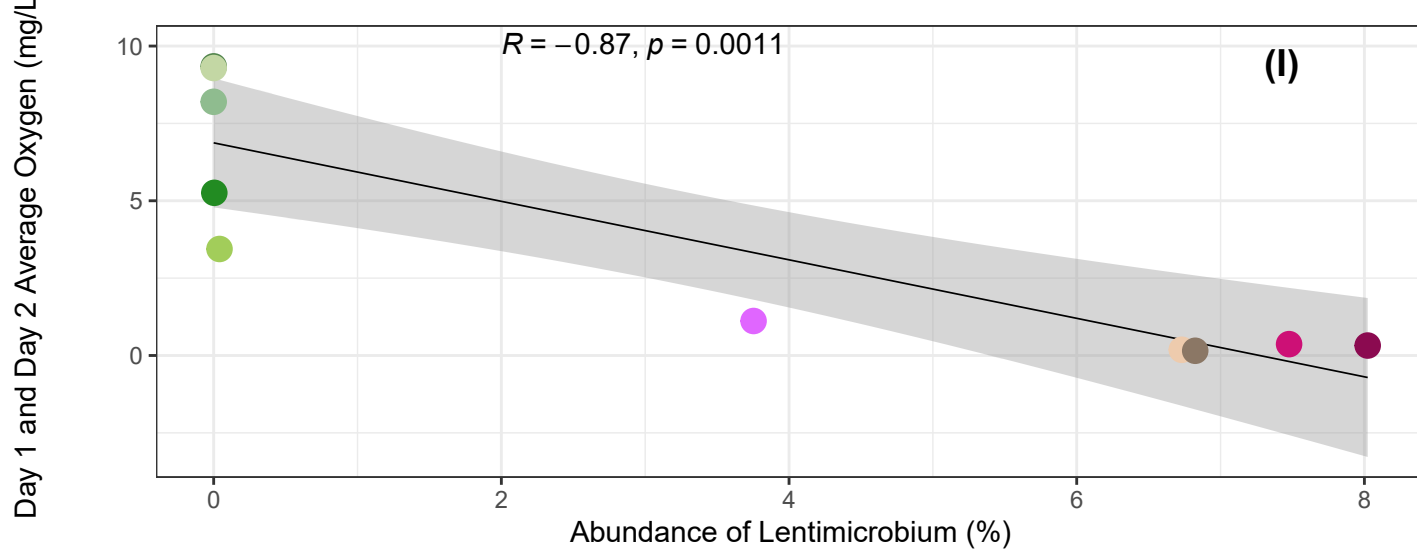
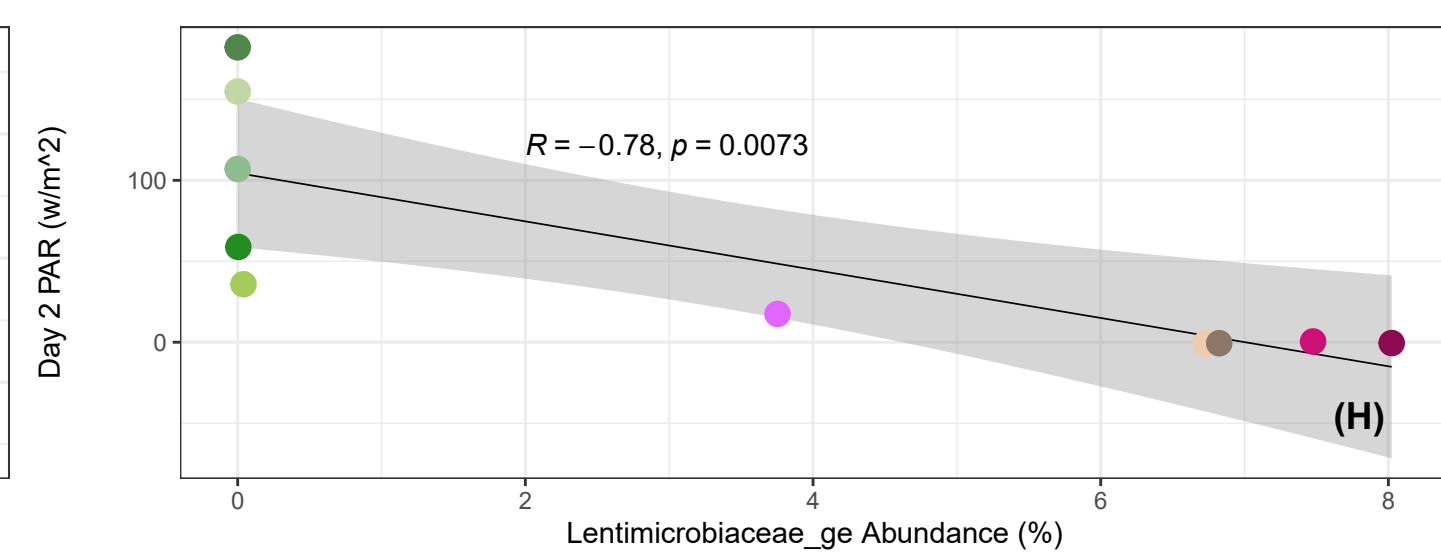
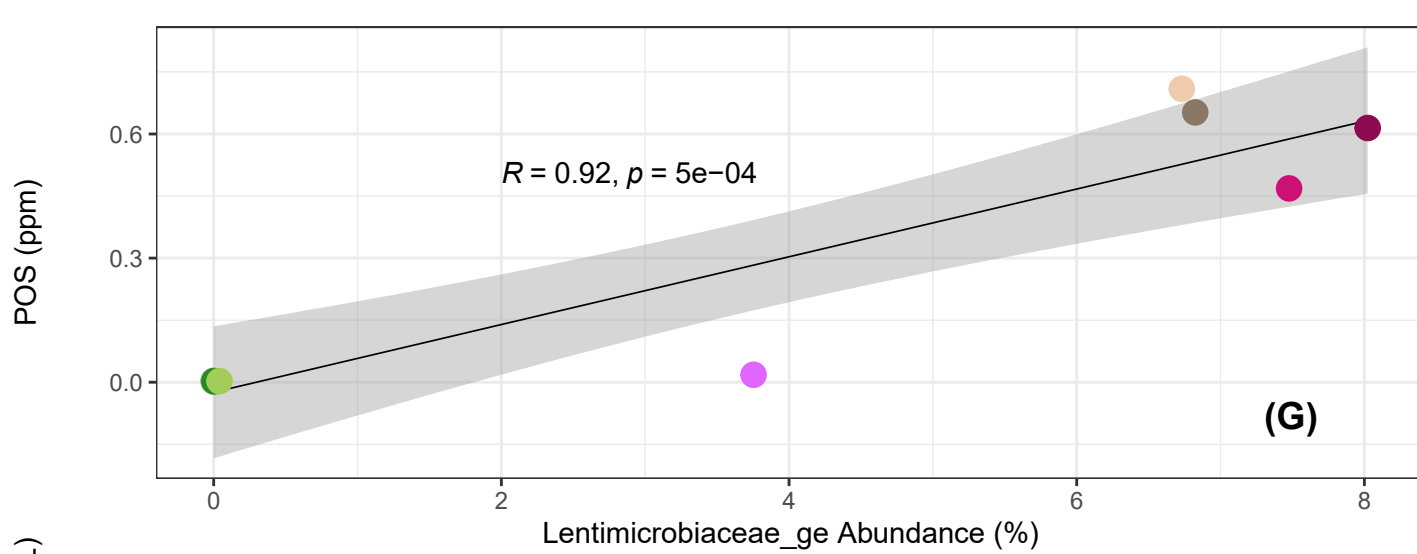
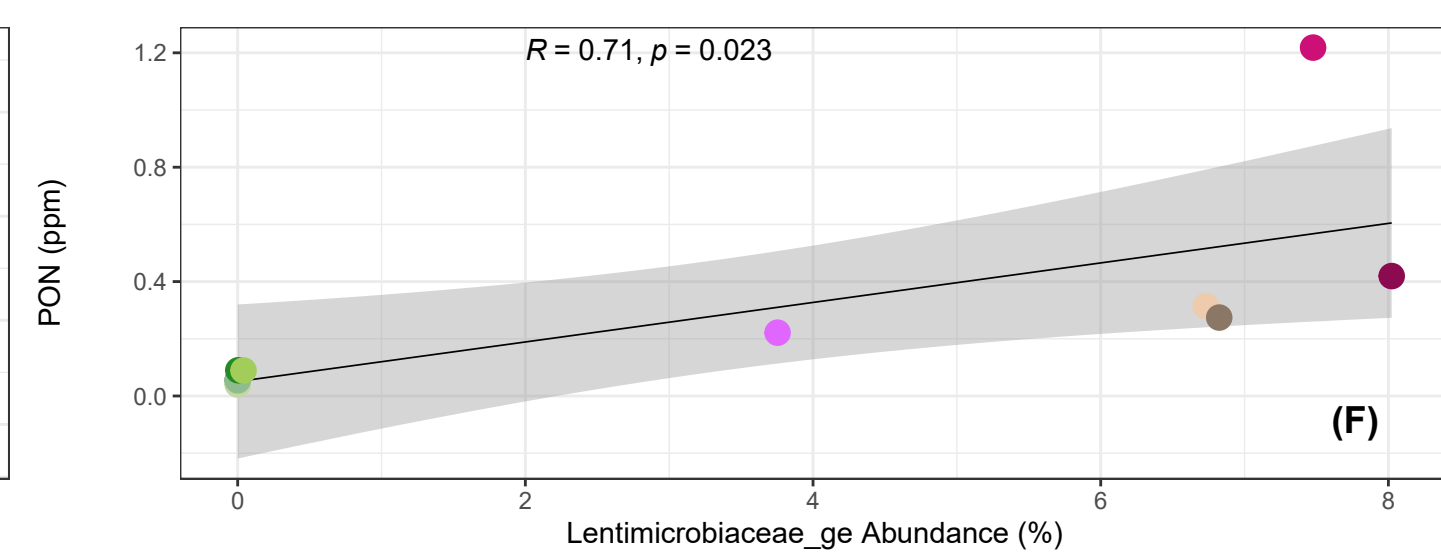
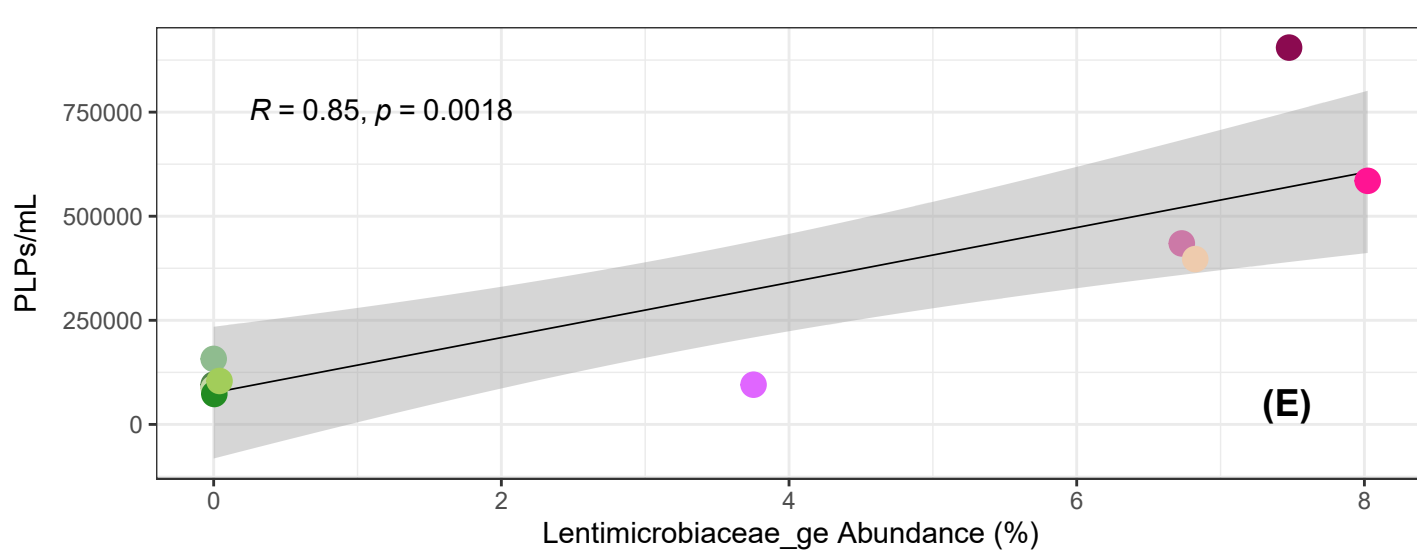
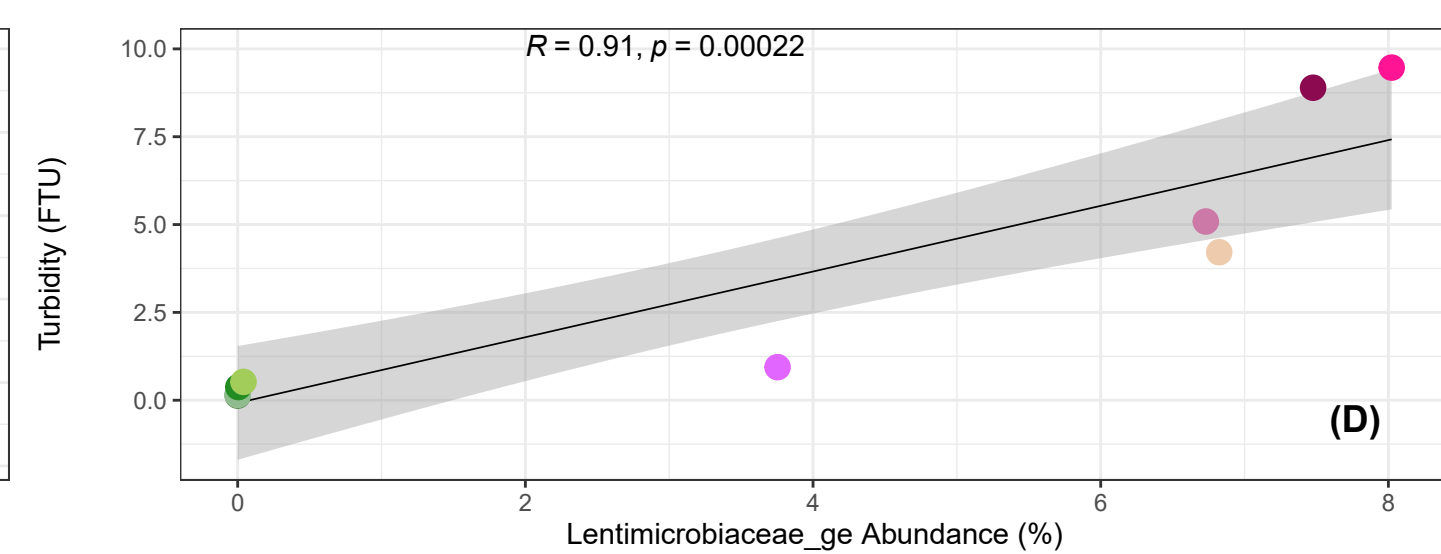
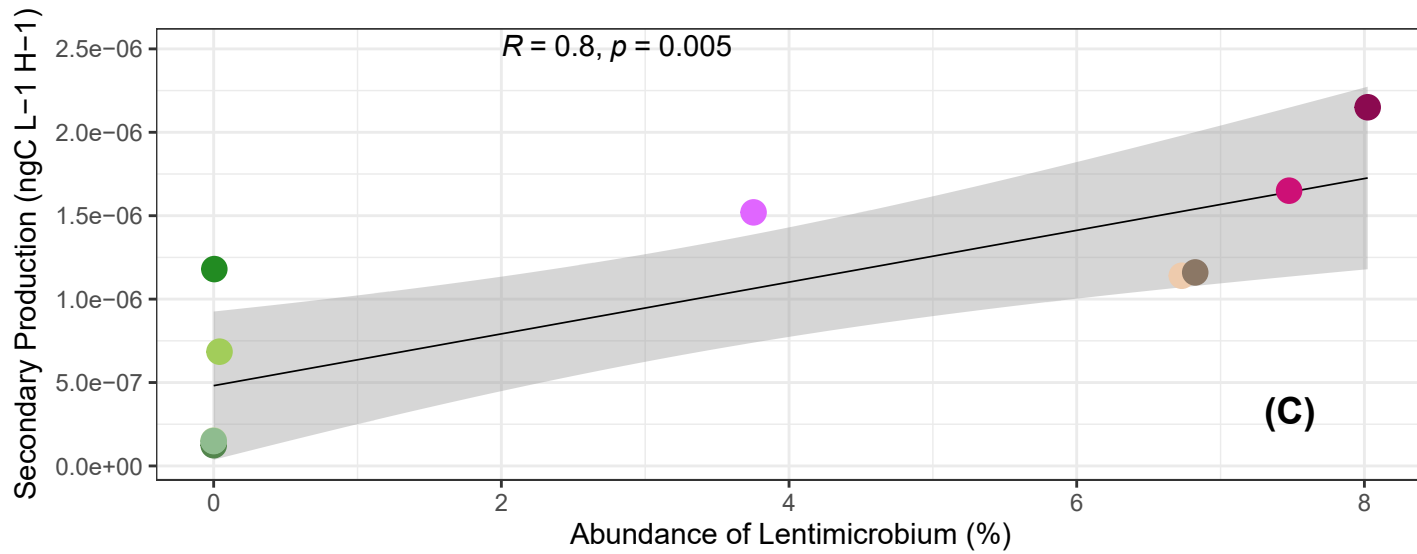
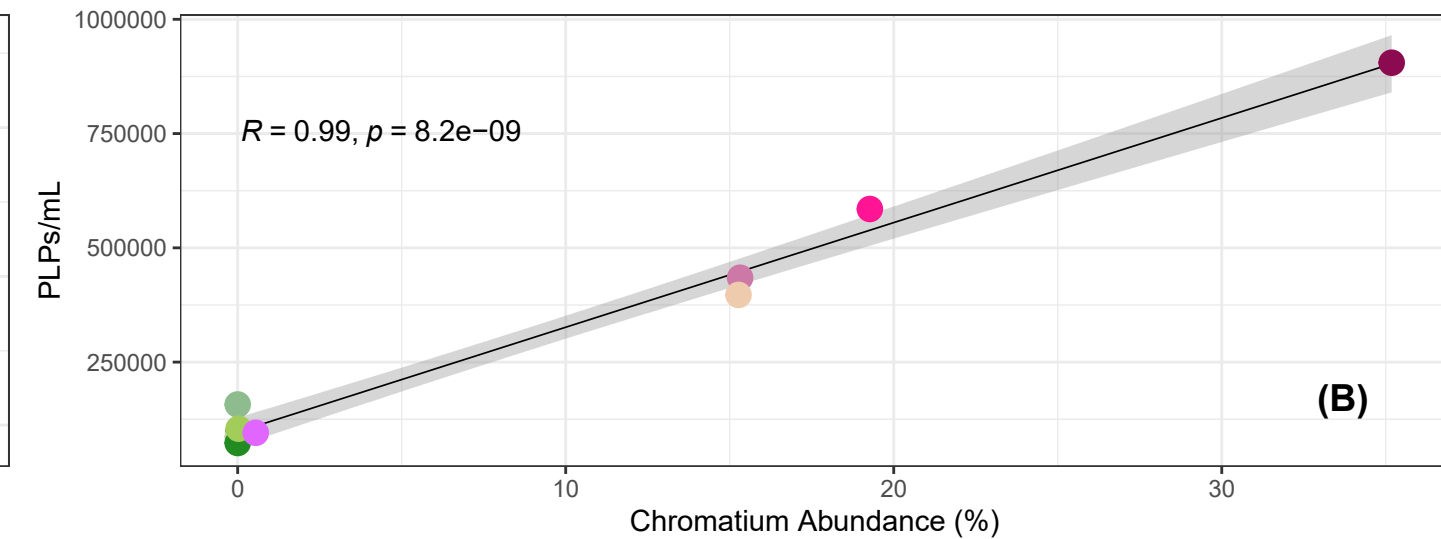
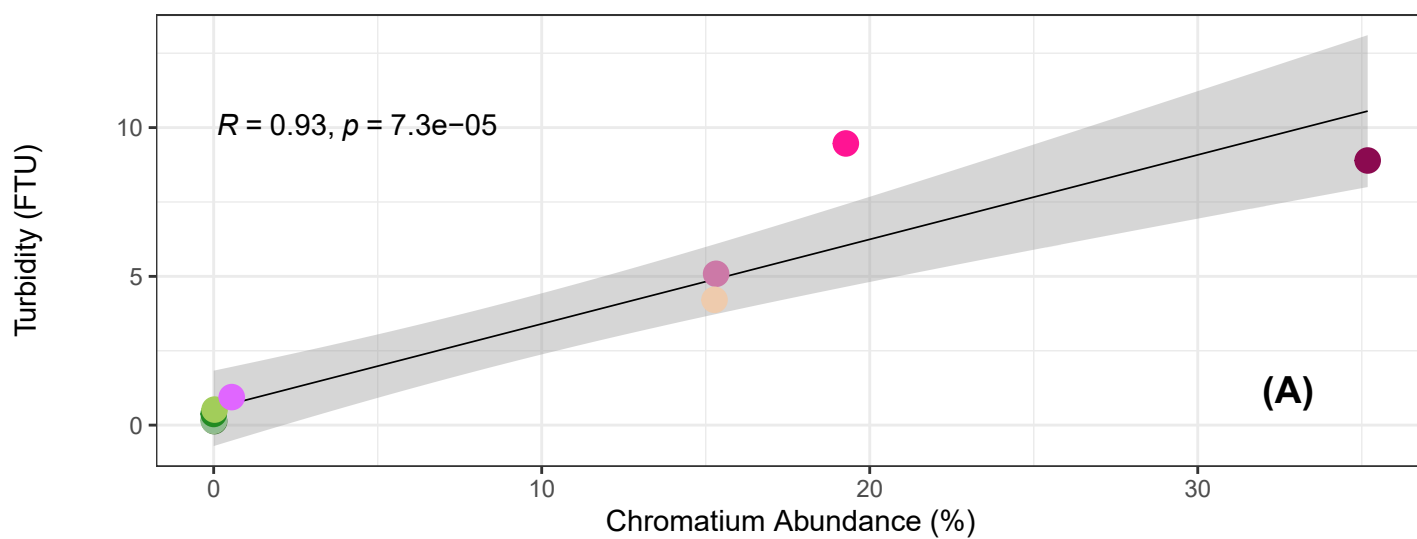
● 3	● 11	● 15	● 17
● 5	● 13	● 15.5	● 19

A. Relative Abundance of Lake Cadagno Bacterial Communities (Phylum)



B. Absolute Abundance of Lake Cadagno Bacterial Communities (Genus)

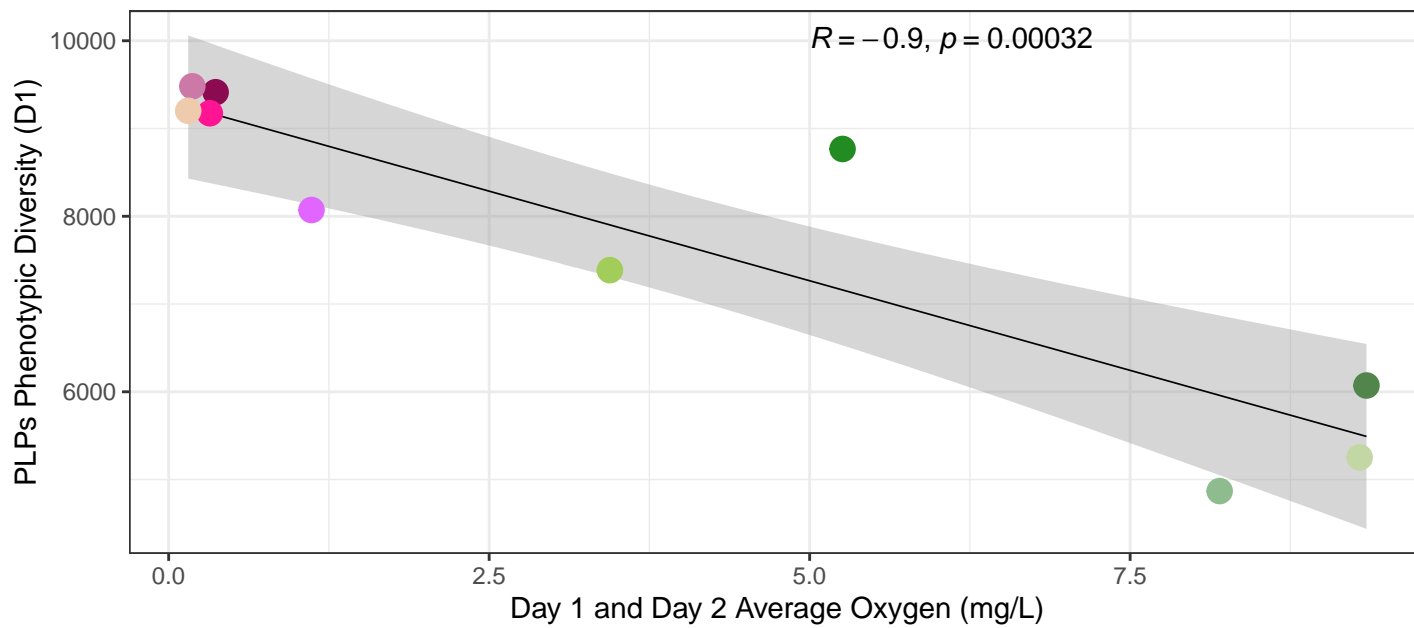




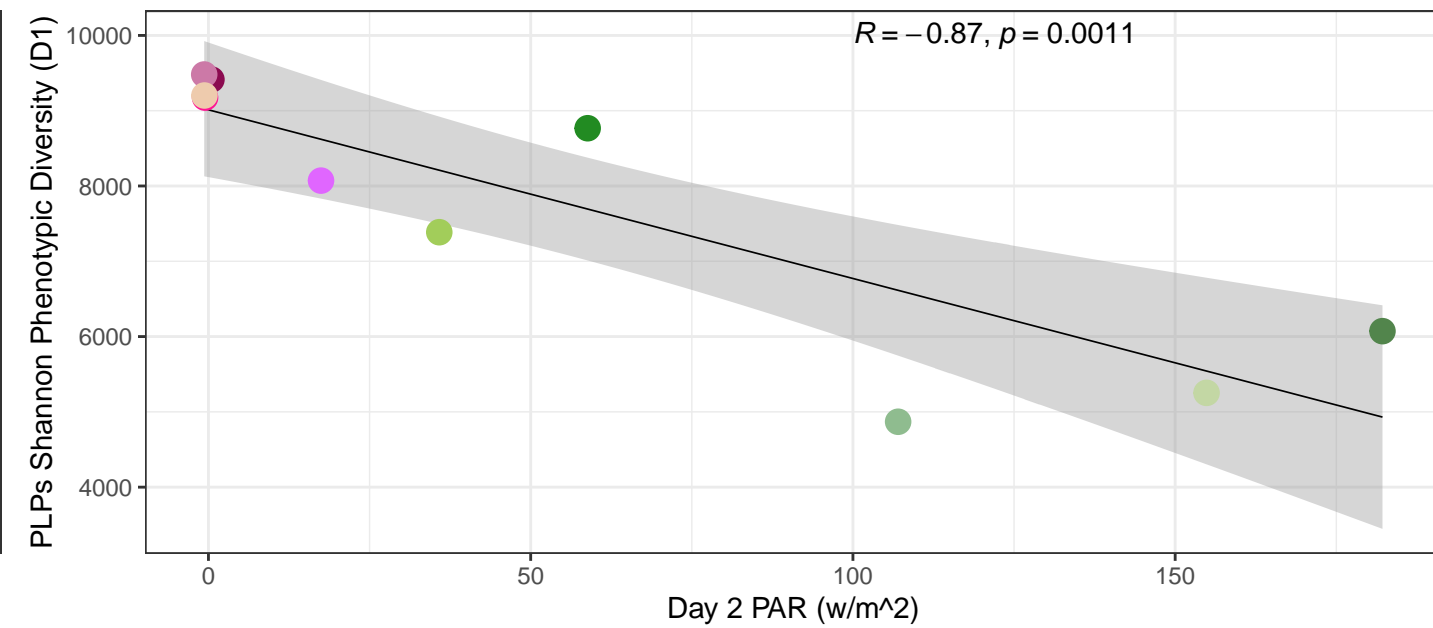
Depth (m)

3	7	11	15	17
5	9	13	15.5	19

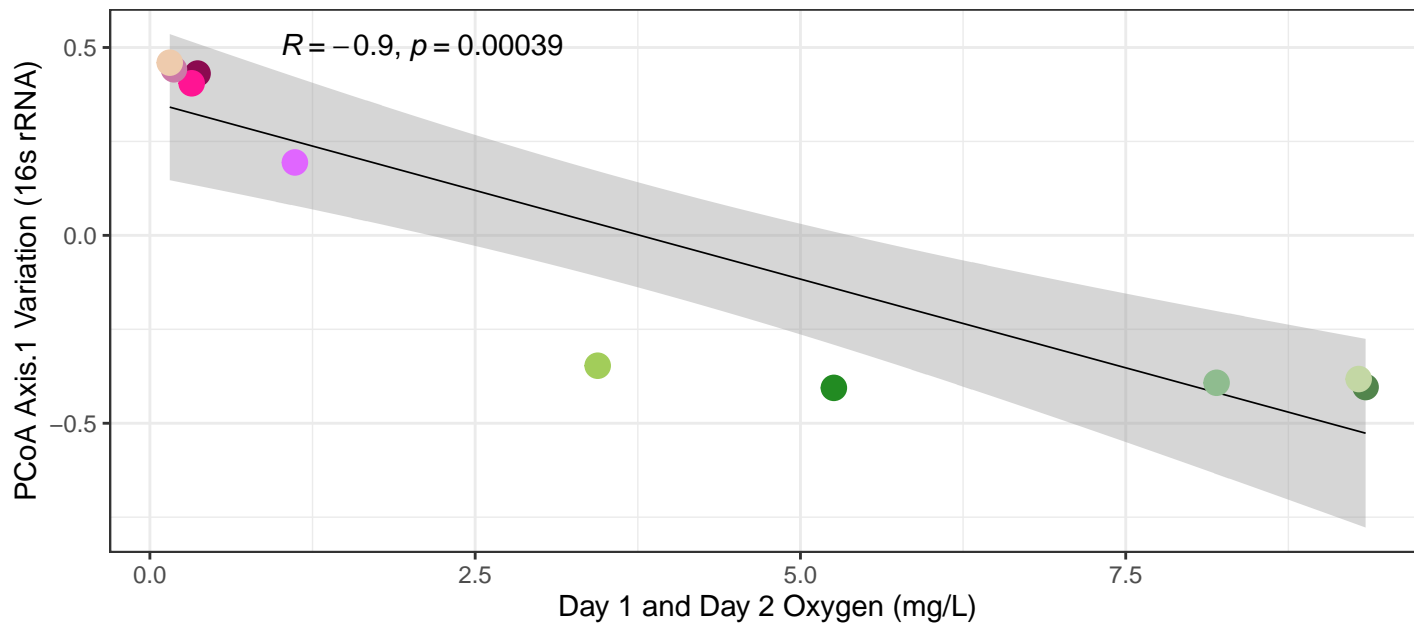
A. Oxygen vs PLPs Shannon alpha diversity



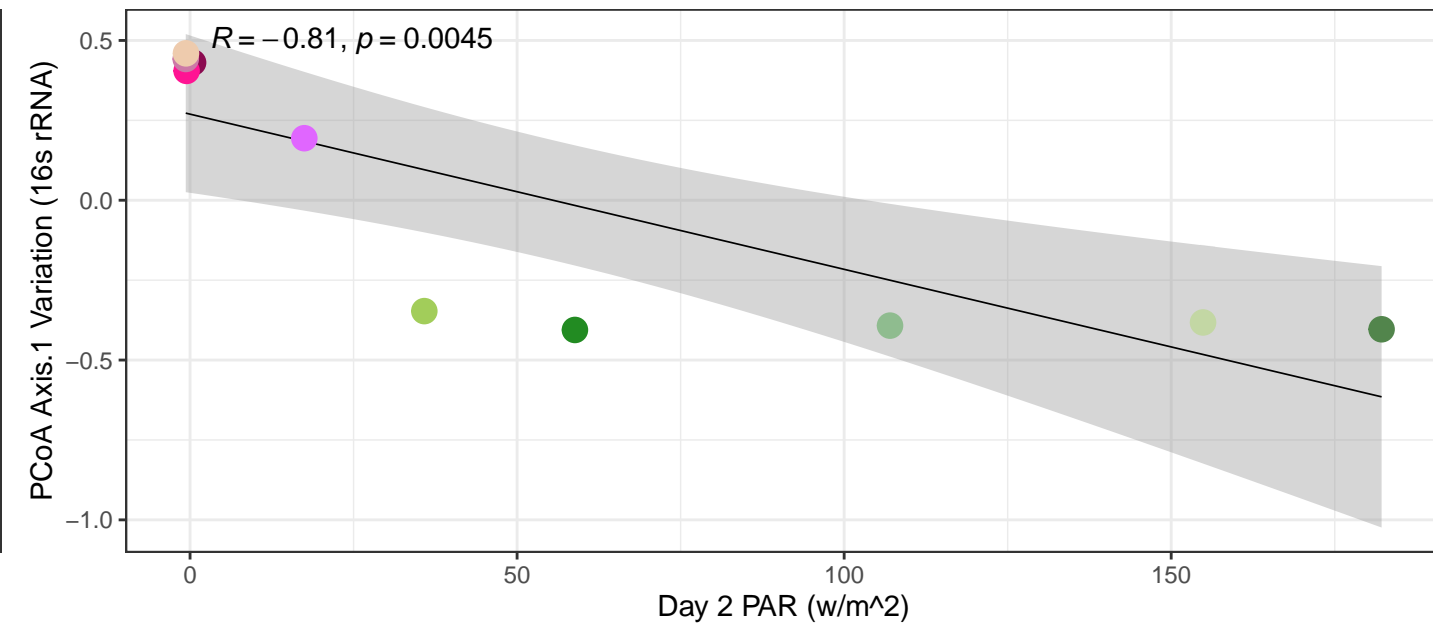
B. Light vs PLPs Shannon alpha diversity



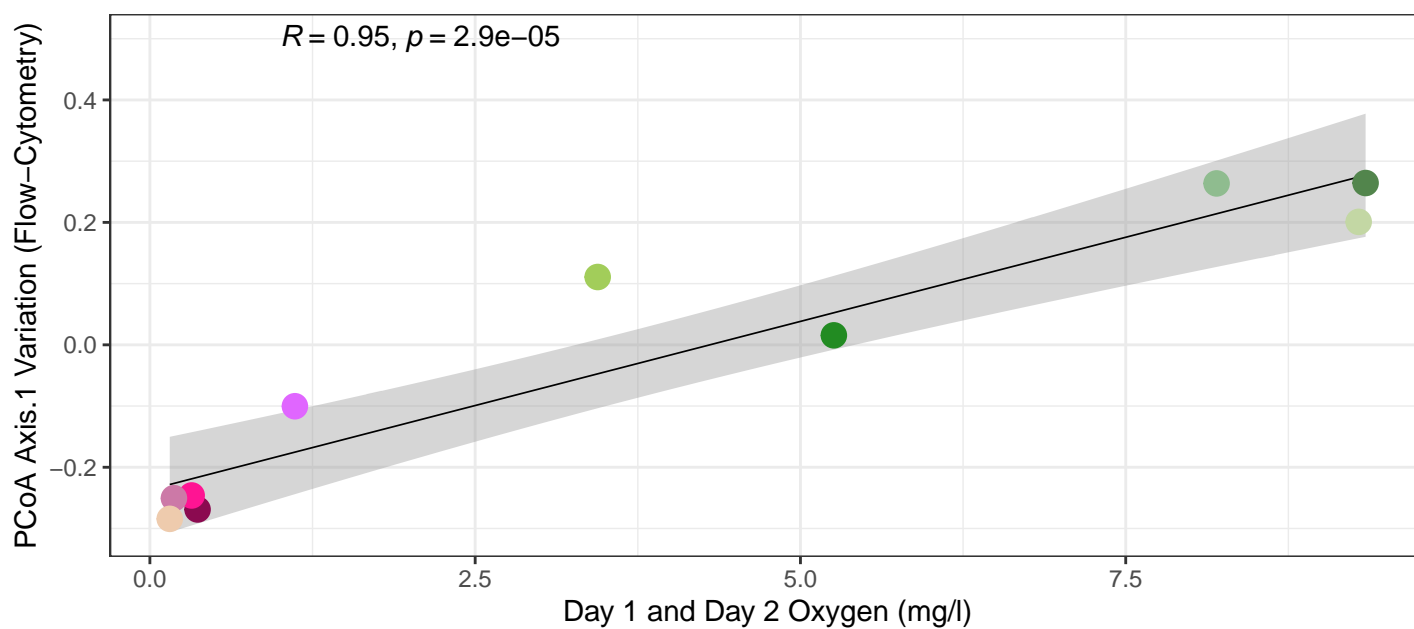
C. Oxygen vs 16S beta diversity (incl. Chloroplast)



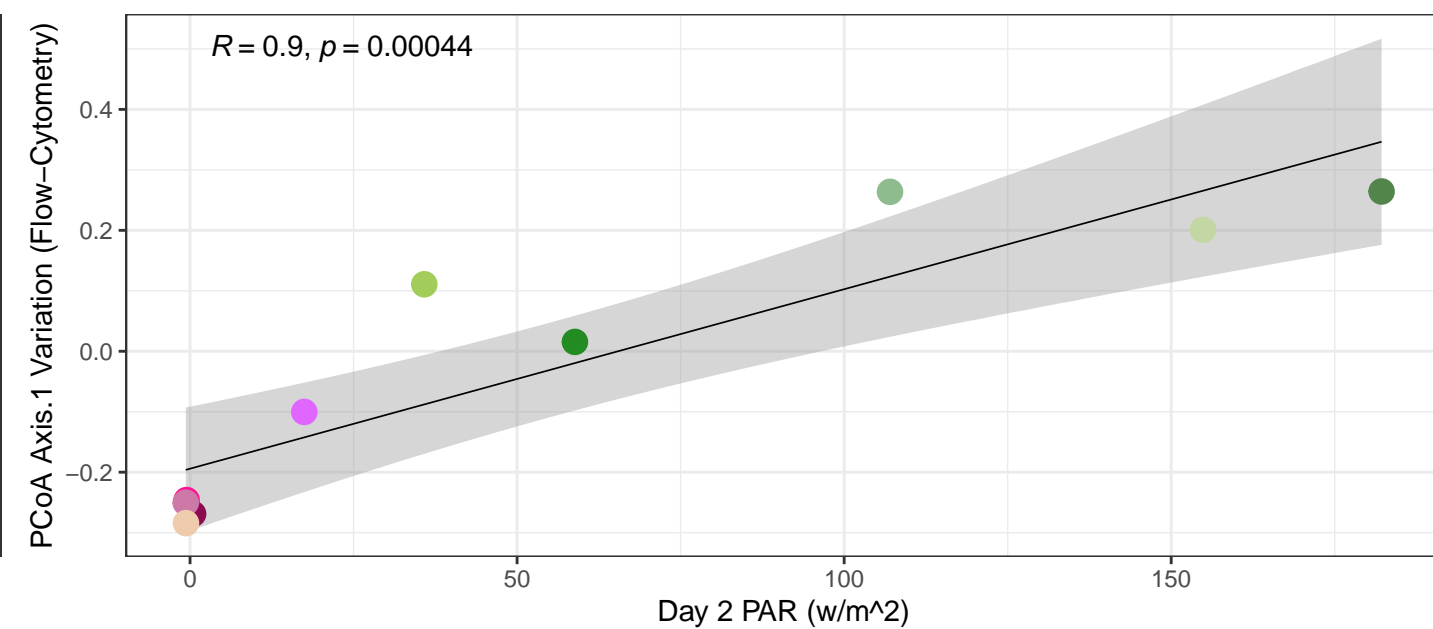
D. Light vs 16S beta diversity (incl. Chloroplast)



E. Oxygen vs PLPs phenotypic beta diversity

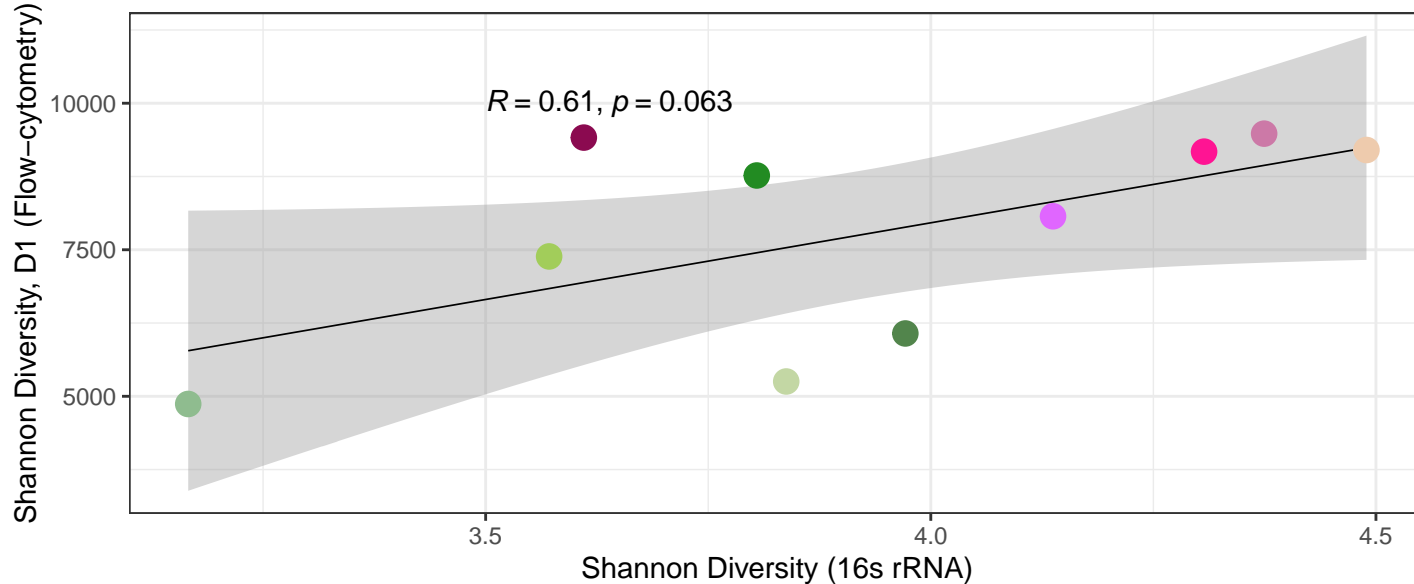


F. Light vs PLPs phenotypic beta diversity



G. Phenotypic vs genotypic prokaryotic alpha diversity

Linear Regression, Method=LM



H. Phenotypic vs genotypic prokaryotic beta diversity

