

## SUPPLEMENTARY INFORMATION

Figure S1. Concentrations of NEFA in control and CPL-supplemented in different time points. It is significantly lower in all samples in group 10post-S, 5post-S and 26post-S vs. 10pre-C, 5post-C and 26post-C respectively. However, no such difference was observed in 30pre-C vs 30pre-S.

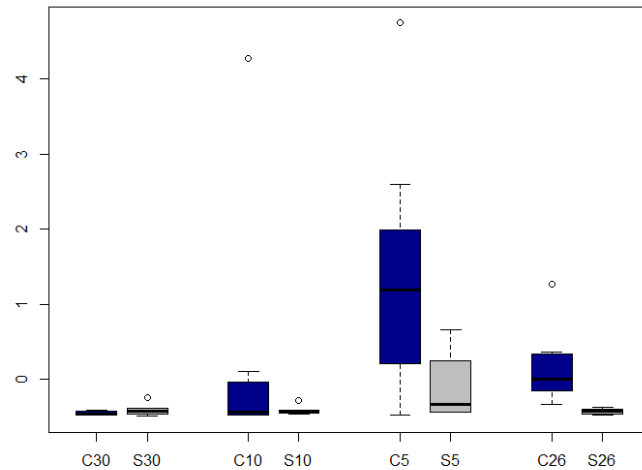
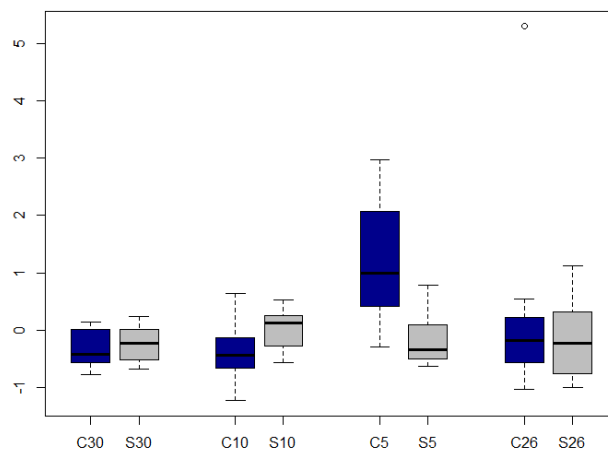
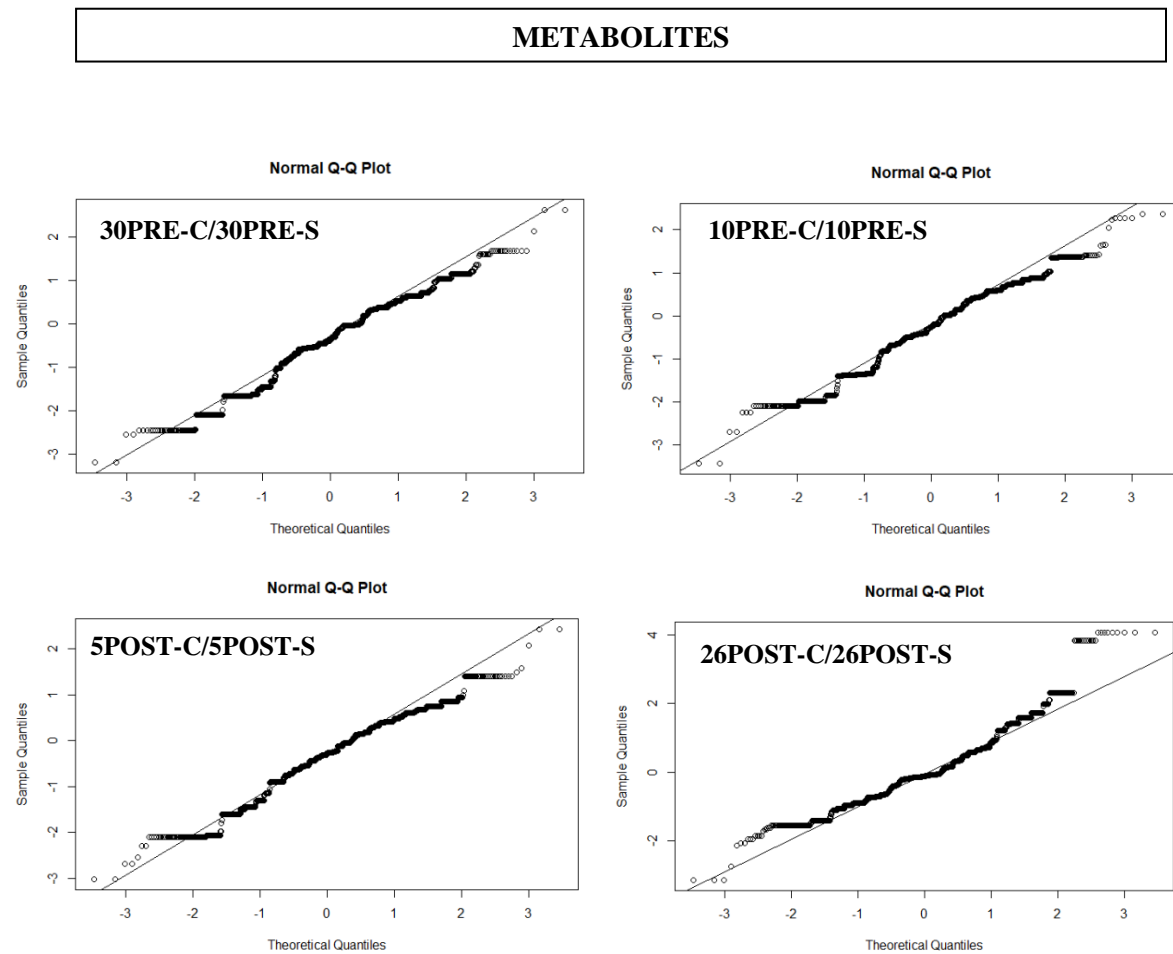


Figure S2. Concentrations of BHB in control and CPL-supplemented in different time points. BHB levels did not show significant differences between other groups which is at odds with the metabolomics data that showed decrease in BHB in all samples collected after CPL supplementation.



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Figure S3. Q-Q plots of the metabolite and protein abundances were generated to assess if the abundance distributions were comparable.



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### PROTEINS

