metabolites

MDPI

Supplementary Material

Intracellular and Extracellular Metabolites from the Cyanobacterium *Chlorogloeopsis fritschii,* PCC 6912, During 48 Hours of UV-B Exposure

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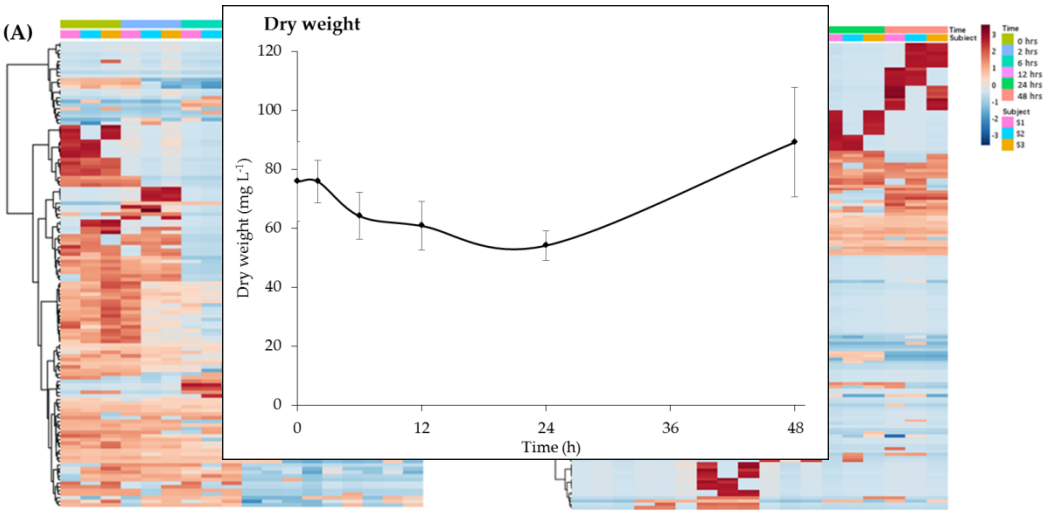

Figure S1: Hierarchical heatmap visualisation of the significant **(A)** intracellular and (**B)** extracellular peak intensities ($p \leq 0.05$) during UV-B exposure using a one-way repeated measure ANOVA in MetaboAnalyst. Data is arranged in triplicate with increasing length of UV-B exposure from left to right (0–48 h). S1 = replicate 1, S2 = replicate 2, S3 = replicate 3.

Figure S2: Dry weight measurements of *C. fritschii* cultures during 48 h of supplemented UV-B exposure. All values are the mean of three biological replicates ± standard error.

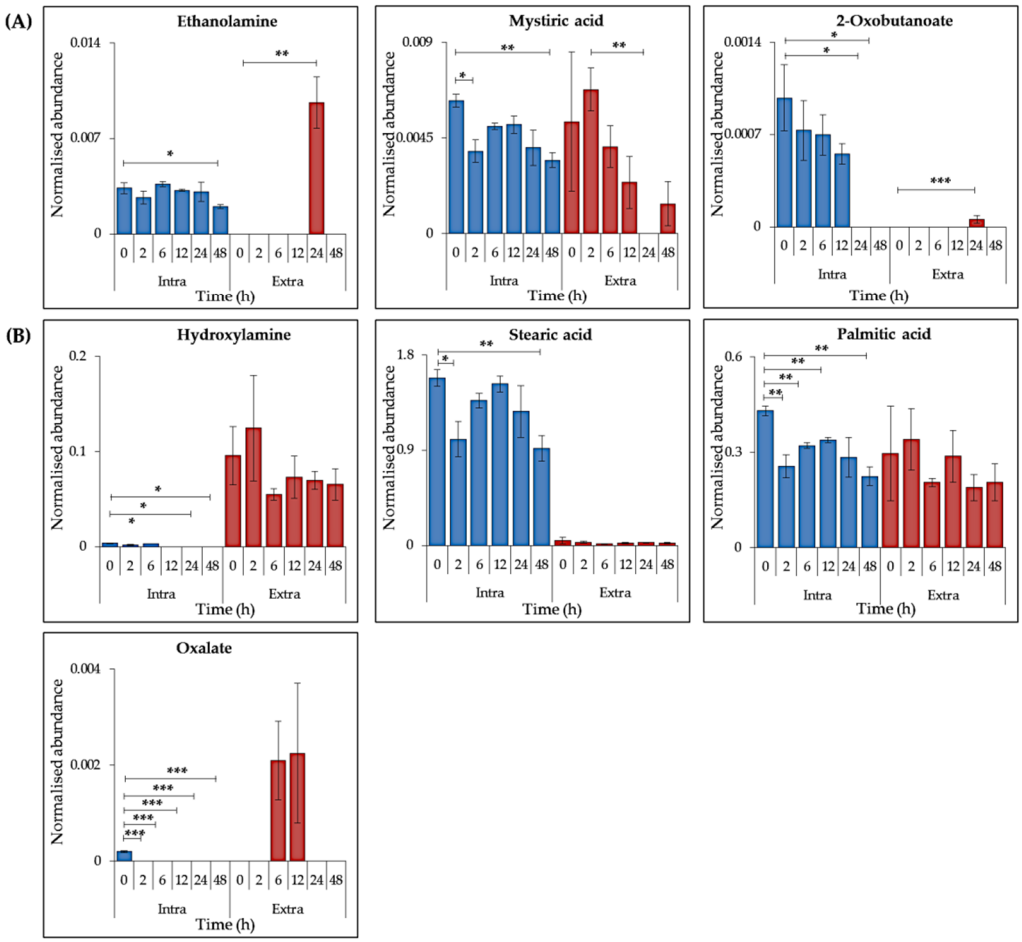

Figure S3: Time-series metabolomics data of *C. fritschii* during 48 h of UV-B exposure showing primary metabolites found in both intra- and extracellular during GC-MS analysis. **(A)** Metabolites showing statistically significant ($p \leq 0.05$) changes over time in intra- and extracellular data; **(B)** metabolites showing statistically significant ($p \leq 0.05$) changes over time in intracellular samples only. Statistical significance was measured using a two-sample T-test comparing control (0 h) to each treatment time point (2, 6, 12, 24 and 48 h) and between treatment time points, * = $0.05 \geq p \geq 0.01$, ** = $0.01 \geq p \geq 0.001$ and *** = $p \leq 0.001$.