

Low-dose copper and blue light increases the yield of value-added biomolecules in

***Kirchneriella contorta* (Chlorophyceae)**

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Supplementary Information (SI)

Figure 1 supplementary Light (LED) spectra. In (a) white LED, (b) blue LED and (c) red.

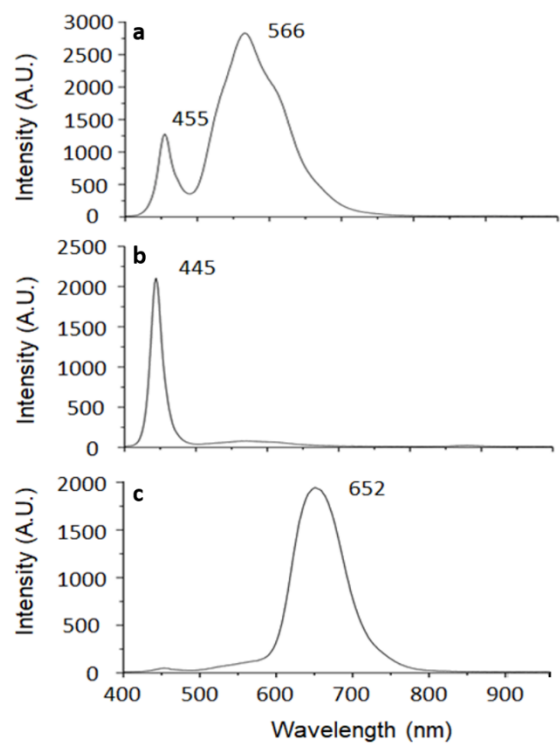


Figure 2 supplementary Growth curves of *Kirchneriella contorta* exposed to 20 copper concentrations. In (a) from 3×10^{-8} to 1.5×10^{-6} mol L⁻¹, and in (b) 3×10^{-6} to 3×10^{-5} mol L⁻¹.

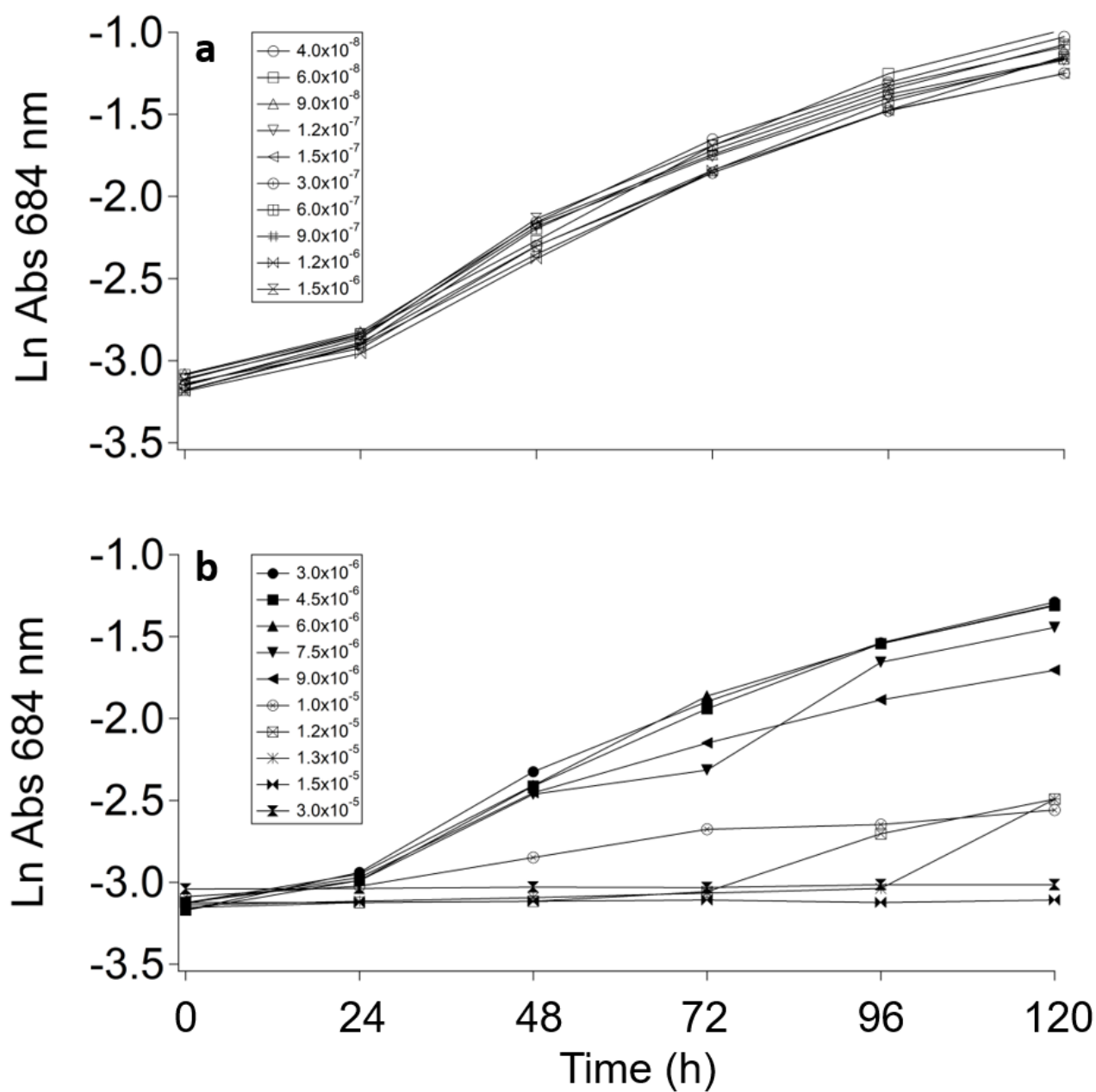


Figure 3 supplementary Photosynthetic variables at 96 h *Kirchneriella contorta* cultures for the manipulation experiments. Maximum quantum yield is represented by the dashed line and operational quantum yields by the bars. White bars refer to control, grey to red light and hatched to blue light. Error bars represent the standard deviation from the mean (n=3). Letters above bars represent statistical evaluation (same letter indicates no significant difference, ANOVA, $p>0.05$).

