**Supplementary Table S2** Summary of factorial ANOVA testing the combined effect of irradiance on the growth of *Synechococcus* sp., *Parachlorella* sp. and *Amphora* sp.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Source of variation | SS | Degree of freedom, df | Mean square, MS | F-ratio | *P* values |
|  |  |  |  |  |  |
| *Chlorophyll a (mg/L)* |  |  |  |  |  |
| Intercept | 4.993 | 1 | 4.993 | 2469.105 | 0.000 |
| Species | 0.008 | 2 | 0.004 | 2.025 | 0.161 |
| Light level | 1.638 | 2 | 0.819 | 405.115 | 0.000 |
| Species\*Light level | 1.173 | 4 | 0.293 | 145.053 | 0.000 |
| Error | 0.036 | 18 | 0.002 |  |  |
|  |  |  |  |  |  |

Data normalized to chl *a* under different irradiance levels of 0, 40 and 120 μmol photons m-2 s-1.