Supplementary Material

## Supplementary Figures

Table 1. Summary table of 2-factor ANOVA of total mean coverage of gametophytes (µm2), and abundance with grazing and temperature as fixed factors. Significant results at P < 0.05 are printed in bold.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variable | Factor | df | SS | MS | F | P-value |
| Mean coverage (µm2) | Grazer | 1 | 1.313  | 1.3130  | 5.969 | **0.0227** |
| Temperature | 2 | 0.864  | 0.4321  | 1.964 | 0.1631 |
| Grazer x Temperature | 2 | 0.581  | 0.2903  | 1.320 | 0.2867  |
| Residual | 23 | 5.059  | 0.2200  |  |  |
| Abundance | Grazer | 1 | 1.222  | 1.1219  | 7.101 | **0.0138** |
| Temperature | 2 | 0.158  | 0.0790  | 0.500  | 0.6129  |
| Grazer x Temperature | 2 | 0.030  | 0.0152  | 0.096  | 0.9087  |
| Residual | 23 | 3.634  | 0.1580  |  |   |

Table 2. Summary table of 3-factor ANOVA of total mean coverage of gametophytes (µm2), mean length (µm) and abundance with grazing, time, and temperature as fixed factors. Significant results are printed in bold.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Variable | Factor | df | SS | MS | F | P-value | Post-hoc |
| Mean coverage (µm2) | Grazer | 1 | 3.119  | 3.1195  | 13.737 | **0.0004** |  |
| Time | 2 | 1.0581  | 1.0581  | 4.660 | **0.0125**  | Day 7 = Day 14 > Day 18 |
| Temperature | 2 | 0.8079  | 0.8079  | 3.558 | **0.0336** | 26˚C < 23˚C |
| Grazer x Time | 2 | 0.1189  | 0.1189  | 0.524 | 0.594  |  |
| Grazer x Temperature | 2 | 0.0842  | 0.0842  | 0.371 | 0.691  |  |
| Time x Temperature | 4 | 0.1265  | 0.1265  | 0.557 | 0.694  |  |
| Grazer x Time x Temperature | 4 | 0.1148  | 0.1148  | 0.505 | 0.731  |  |
| Residual | 71 | 16.123  | 0.2271  |  |  |  |
| Mean length (µm) | Grazer | 1 | 0.301  | 0.3011  | 5.010 | **0.028**  |  |
| Time | 2 | 1.123  | 0.5614  | 9.340 | **0.0002** | Day 7 = Day 14 > Day 18 |
| Temperature | 2 | 0.496  | 0.2482  | 4.130 | **0.020**  | 23˚C > 26˚C = 20˚C  |
| Grazer x Time | 2 | 0.045  | 0.0227  | 0.377 | 0.687  |  |
| Grazer x Temperature | 2 | 0.017  | 0.0086  | 0.143 | 0.866  |  |
| Time x Temperature | 4 | 0.061  | 0.0153  | 0.255 | 0.905  |  |
| Grazer x Time x Temperature | 4 | 0.139  | 0.0349  | 0.580 | 0.678  |  |
| Residual | 71 | 4.267  | 0.0601  |  |  |  |
| Abundance | Grazer | 1 | 3.214  | 3.214  | 22.254 | **1.16e-05** |  |
| Time | 2 | 2.157  | 1.078  | 7.468  | **0.001** | Day 7 < Day 18 |
| Temperature | 2 | 0.175  | 0.087  | 0.606  | 0.548  |  |
| Grazer x Time | 2 | 0.090  | 0.045  | 0.311  | 0.733  |  |
| Grazer x Temperature | 2 | 0.029  | 0.015  | 0.102  | 0.903  |  |
| Time x Temperature | 4 | 0.314  | 0.078  | 0.543  | 0.704  |  |
| Grazer x Time x Temperature | 4 | 0.220  | 0.055  | 0.382  | 0.821  |  |
| Residual | 71 | 10.253  | 0.144  |  |   |  |