Supplementary Table 1: Factors affecting the number of small rediae: results of a linear model comparing number of small rediae in *Philophthalmus* sp. colonies with and without co-infection by *Maritrema novaezealandensis* (“Infection”) in three food treatments (well fed treatment, intermediate food treatment, or starved treatment) after ten weeks.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Factor** | **Estimate** | **Std. Error** | **t value** | **P value** |
| Intercept\* | 3.545 | 0.411 | 8.629 | <0.0001 |
| Size | 0.007 | 0.029 | 0.269 | 0.7892 |
| Number of Large | 0.007 | 0.002 | 4.549 | <0.0001 |
| Intermediate food treatment | 0.265 | 0.164 | 1.620 | 0.1109 |
| Starved food treatment | -1.155 | 0.161 | -0.962 | 0.3400 |
| Infection | 0.323 | 0.201 | 1.601 | 0.1148 |
| Infection\*Intermediate food treatment | -0.657 | 0.279 | -2.356 | 0.0219 |
| Infection\*Starved food treatment | 0.056 | 0.278 | 0.203 | 0.8398 |

\* The effect of the well-fed treatment is included in the intercept.

Supplementary Table 2. Factors affecting the number of large rediae: results of a Linear Model comparing number of small rediae in *Philophthalmus* sp. colonies with and without co-infection by *Maritrema novaezealandensis* (“Infection”) in three food treatments (well fed treatment, intermediate food treatment, or starved treatment) after ten weeks.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Factor** | **Estimate** | **Std. Error** | **t value** | **P value** |
| Intercept\* | 3.214 | 0.278 | 11.559 | <0.0001 |
| Size | 0.073 | 0.017 | 4.305 | <0.0001 |
| Number of small | 0.003 | 0.001 | 4.445 | <0.0001 |
| Intermediate food treatment | -0.215 | 0.114 | -1.892 | 0.0635 |
| Starved food treatment | -0.062 | 0.140 | -1.354 | 0.1811 |
| Infection | -0.190 | 0.141 | -1.354 | 0.1811 |
| Infection\*Intermediate food treatment | 0.448 | 0.196 | 2.289 | 0.0258 |
| Infection\*Starved food treatment | 0.241 | 0.195 | 1.233 | 0.225 |

\* The effect of the well-fed treatment is included in the intercept.