**Supplemental Material**

**The expression of virulence for a mixed-mode transmitted parasite in a diapausing host**

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**Running title:** Parasitism and resting eggs in *Daphnia*

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**Table supplementary 1.** Overall population effect of experiment 1. Restricted maximum likelihood test showing infection effect in experiment 2 and infection and clone effects in experiment 3.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Trait** | **Statistic** |  | **Experiment 1****ANOVA** |  | **Experiment 2** **REML** |  | **Experiment 3****REML** |
|  | **Population** |  | **Infection** |  | **Infection** | **Clone** | **Infection × clone** |
| Ephippia Length | DF |  | 4,400 |  | 1,18 |  | 1,10 | 2,10 | 2,10 |
| F-ratio |  | 7.356 |  | 3.646 |  | 0.760 | 3.368 | 0.955 |
| P-value |  | **<0.001** |  | 0.072 |  | 0.402 | 0.072 | 0.414 |
|  |  |  |  |  |  |  |  |  |  |
| Egg Volume | DF |  | 4,395 |  | 1,18 |  | 1,10 | 2,10 | 2,10 |
| F-ratio |  | 51.462 |  | 0.177 |  | 1.880 | 5.036 | 4.90 |
| P-value |  | **<0.001** |  | 0.680 |  | 0.200 | **0.031** | **0.033** |
|  |  |  |  |  |  |  |  |  |  |
| Egg Shape | DF |  | 4,395 |  | 1,18 |  | 1,10 | 2,10 | 2,10 |
| F-ratio |  | 130.848 |  | 1.724 |  | 0.377 | 20.517 | 3.698 |
| P-value |  | **<0.001** |  | 0.206 |  | 0.558 | **0.001** | 0.079 |
|  |  |  |  |  |  |  |  |  |  |
| 1/Time to Hatch | DF |  | 4,263 |  | 1,9 |  | 1,10 | 2,10 | 2,10 |
| F-ratio |  | 33.077 |  | 0.000 |  | 2.006 | 12.570 | 10.373 |
| P-value |  | **<0.001** |  | 0.980 |  | 0.185 | **0.002** | **0.003** |