**Supplemental File 1**

*Feeding Schedule for Time-Based Isolation Experiment*

About 3 weeks after they were laid, a group of roughly 300 early juveniles were initially fed 1-5 small *E. diaphana* (<1 mm pedal disk diameter, <5 mm column height) every other day. For the first two weeks of feeding, two small *E. diaphana* were fed every other day to the 300 juveniles. From 2 to 4 wpf, groups of 11 were fed 1 small *E. diaphana* every other day. From 4 to 5 wpf, groups of 9 were fed 2 small *E. diaphana* every other day. After 5 wpf, groups were fed one-sixth of a medium *E. diaphana* (2-4 mm pedal disk diameter, 10-25 mm column height) for the remainder of the experiment. Isolated juveniles were fed 2 medium *E. diaphana* tentacles each every other day from 4 to 8 wpf. From 8 to 12 wpf, isolated juveniles were fed 3 medium *E. diaphana* tentacles every other day. After 12 wpf, isolated juveniles were fed one-twelfth of a medium *E. diaphana*.

**Supplemental Table 1.** Individuals of *Berghia stephanieae* in the time-based isolation experiment were fed every other day.

| Age | Group Feeding  (average # of individual *B. stephanieae*) | Isolated individuals |
| --- | --- | --- |
| 0-2 wpf | 1-5 small *E. diaphana* (~300) |  |
| 2-4 | 1 small *E. diaphana* (11) |  |
| 4-5 | 2 small *E. diaphana* (9) | 2 tentacles from medium *E. diaphana* |
| 5-6 | ⅙ medium *E. diaphana* (9) | 2 tentacles from medium *E. diaphana* |
| 6-8 | ⅙ medium *E. diaphana* (6) | 2 tentacles from medium *E. diaphana* |
| 8-10 | ⅙ medium *E. diaphana* (4) | 3 tentacles from medium *E. diaphana* |
| 10-12 | ⅙ medium *E. diaphana* (3) | 3 tentacles from medium *E. diaphana* |
| 12+ | ⅙ medium *E. diaphana* (2) | 1/12 medium *E. diaphana* |