

**Supplementary File 2. Larval behaviors scored in this study**

<b>Behavior</b>	<b>Description / Criteria</b>
Locomotion	Continuous forward movement with smooth, regular peristalsis
Pausing	Break in locomotion, lasting less than 1 second
Freezing	Break in locomotion that persists for longer than 1 second
Hunching	Contraction along the anterior-posterior axis; no forward / backward motion or curling
Backward locomotion	Anterior-to-posterior peristalsis accompanied by movement in reverse
Writhing crawl	Forward movement with anterior and posterior sweeping of the body, tilting onto the side axis
C-bending	Bending into a c-shape, with both head and tail bending in the same direction; includes incomplete rolls
Rearing	Upwards bending or arching of anterior part of the body, with posterior part largely stationary
Rolling	Larva completes a full 360-degree rotation of its body