

## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

Description: All amplicon sequence variants (ASVs) identified in algae and worm-associated samples.

File Name: Supplementary Data 2

Description: The nonneutral model annotation of algae samples (IMWs).

File Name: Supplementary Data 3

Description: The nonneutral model annotation of mature worms (MWs).