Systematic Parasitology: Supplementary Information

**A new *Sphaeronella* species (Copepoda: Siphonostomatoida: Nicothoidae) parasitic on *Euphilomedes* sp. (Ostracoda: Myodocopa: Philomedidae) from Hokkaido, Japan, with an 18S molecular phylogeny**

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**Legends for Files S1 and S2**

**File S1** Aligned 18S sequences containing alignment ambiguous sites; the sequences were aligned by eye according to the secondary structure of the honeybee 18S sequence (Gillespie et al., 2006) and the structure predicted with the RNAfold WebServer (Gruber et al., 2008; Lorenz et al., 2011), and trimmed in MEGA7 (Kumar et al., 2016) to the shortest length among the sequences.

**File S2** Aligned 18S sequences used for the maximum-likelihood analysis; the sequences were aligned by eye according to the secondary structure of the honeybee 18S sequence (Gillespie et al., 2006) and the structure predicted with the RNAfold WebServer, trimmed in MEGA7 to the shortest length among the sequences, and reduced to 1528 positions by removing alignment-ambiguous sites with Gblocks ver. 0.91b (Castresana, 2000) under “relaxed” parameters described in Talavera & Castresana (2007).

**References**

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