

Supplementary Table S2. GenBank numbers of sequences used in phylogenetic analysis in this study.

Family	Species name (Sequence name)	Accession no.	Reference
Ectinosomatidae Sars G.O., 1903	<i>Bradya</i> sp. (RJH-2004)	AY627016	Huys, R. et al. 2006 [1]
	<i>Parabradya dilatata</i>	MF077759	Khodami,S. et al. 2017 (retracted)
	<i>Bradya</i> sp. (DZMB037)	MF077716	
Zosimeidae Seifried, 2003	<i>Zosime</i> sp.	MF077717	
Idyanthidae Lang, 1948	<i>Idyanthidae</i> sp.	MF077746	
Aegisthidae Giesbrecht, 1893	<i>Aegisthidae</i> sp. (DZMB373)	MF077775	
	<i>Aegisthidae</i> sp. (DZMB479)	MF077693	
	<i>Pontostratiotes</i> sp.	MF077757	
	<i>Cerviniopsis</i> sp.	MF077773	
	<i>Cerviniopsis longicaudata</i>	MF077767	
Tisbidae Stebbing, 1910	<i>Tisbe</i> sp. (DZMB496)	MF077758	
	<i>Volkmannia attenuata</i>	MF077776	
	<i>Tisbe</i> sp. (JSL-2009)	FJ713566	Chullasorn, S. et al. 2011 [2]
Tegastidae Sars G.O., 1904	<i>Tegastes</i> sp.1	EU380286	Huys, R. et al. 2009 [3]
	<i>Tegastes</i> sp.2	EU380287	
Peltidiidae Claus, 1860	<i>Alteuthellopsis</i> sp.	EU380289	
	<i>Peltidium</i> sp.	EU380288	
	<i>Peltidium quinquesetosum</i>	MT002905	Lim, B. et al. 2020 [4]
Harpacticidae Dana, 1846	<i>Tigriopus californicus</i>	AF363306	Oakley, T.H. and Cunningham, C.W. 2002 [5]
	<i>Tigriopus koreanus</i> (M,F)		Personal acquisition (Yeom, J.)

1. Huys, R.; Llewellyn-Hughes, J.; Olson, P.D.; Nagasawa, K. Small subunit rDNA and Bayesian inference reveal *Pectenophilus ornatus* (Copepoda *incertae sedis*) as highly transformed Mytilicolidae, and support assignment of Chondracanthidae and Xarifiidae to Lichomolgoidea (Cyclopoida). *Biol. J. Linn. Soc.* **2006**, *87*, 403–425.
2. Chullasorn, S.; Dahms, H.U.; Lee, K.W.; Ki, J.S.; Schizas, N.; Kangtia, P.; Park, H.G.; Lee, J.S. Description of *Tisbe alaskensis* sp. nov.(Crustacea: Copepoda) combining structural and molecular traits. *Zool. Stud.* **2011**, *50*, 103–117.
3. Huys, R.; Mackenzie-Dodds, J.; Llewellyn-Hughes, J. Cancrincolidae (Copepoda, Harpacticoida) associated with land crabs: a semiterrestrial leaf of the ameirid tree. *Mol. Phylogenetics Evol.* **2009**, *51*, 143–156.
4. Lim, B.J.; Bang, H.W.; Moon, H.; Back, J. Integrative description of *Diosaccus koreanus* sp. nov.(Hexanauplia, Harpacticoida, Miraciidae) and integrative information on further Korean species. *ZooKeys*, **2020**, *927*, 1–35.
5. Oakley, T.H.; Cunningham, C.W. Molecular phylogenetic evidence for the independent evolutionary origin of an arthropod compound eye. *Proc. Natl. Acad. Sci. USA* **2002**, *99*, 1426–1430.