Table S1. GenBank accession numbers of 18S rDNA sequences used in this study.

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| --- | --- | --- | --- |
| Family | Species | Accession# | Reference |
| Ameiridae | *Ameira scotti* | EU380303 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Cancrincola plumipes* | L81938 | Spears & Abele, 1997 |
| *Nitokra hibernica* | EU380305 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Sarsameira* sp. | EU380304 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Argestidae | *Argestigens* sp. | EU380306 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Eurycletodes laticauda* | EU380310 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Canthocamptidae | *Attheyella crassa* | EU380307 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Bryocamptus pygmaeus* | AY627015 | Huys et al., 2006 |
| *Itunella muelleri* | EU380309 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Mesochra rapiens* | EU380308 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Canuellidae | *Canuella perplexa* | EU370432 | von Reumont et al., 2009 |
| Dactylopusiidae | *Dactylopusia pauciarticulata* | KR048735 | Baek and Hwang, Unpublished |
| *Dactylopusia* sp. | EU380295 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Diarthrodes* sp. | EU380296 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Sewellia tropica* | EU380299 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Ectinosomatidae | *Bradya* sp. | AY627016 | Huys et al., 2006 |
| Harpacticidae | *Harpacticus nipponicus* | KR048736 | Baek and Hwang, Unpublished |
| *Harpacticus* sp. | EU380285 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Tigriopus fulvus* | EU370430 | von Reumont et al., 2009 |
| *Tigriopus japonicus* | EU054307 | Ki et al., 2009 |
| *Zaus caeruleus* | EU380284 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Laophontidae | *Laophontina* sp. | MF077713 | Khodami et al., 2017 |
| *Microchelonia koreensis* | MG012752 | Yeom et al., 2018 |
| *Paralaophonte congenera* | KR048738 | Baek and Hwang, Unpublished |
| *Pseudonychocamptus spinifer* | MF077714 | Khodami et al., 2017 |
| *Quinquelaophonte aurantius* | MH444815 | Charry et al., 2019 |
| *Quinquelaophonte enormis* | MT410708 | this study |
| *Vostoklaophonte eupenta* | MG012753 | Yeom et al., 2018 |
| Louriniidae | *Lourinia armata* | KR048739 | Baek and Hwang, Unpublished |
| Miraciidae | *Amonardia coreana* | KT030261 | Baek and Hwang, Unpublished |
| *Diosaccus* sp. | EU380290 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Miracia efferata* | EU380294 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Paramphiascella fulvofasciata* | EU380293 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Stenhelia* sp. | EU380291 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Typhlamphiascus typhlops* | EU380292 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Parastenheliidae | *Parastenhelia* sp. | EU380302 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Peltidiidae | *Peltidium* sp. | EU380288 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Porcellidiidae | *Porcellidium ofunatense* | KR048741 | Baek and Hwang, Unpublished |
| Tachidiidae | *Euterpina acutifrons* | GU969212 | Wang & Sun, Unpublished |
| Tegastidae | *Tegastes* sp. | EU380287 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Thalestridae | *Eudactylopus* sp. | EU380301 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Paramenophia* sp. | EU380300 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| *Parathalestris parviseta* | KR048742 | Baek and Hwang, Unpublished |
| *Phyllothalestris* sp. | EU380298 | Huys, Mackenzie-Dodds & Llewellyn-Hughes, 2009 |
| Tisbidae | *Tisbe* sp. | FJ713566 | Chullasorn et al., 2011 |
| *Tisbe* sp. | KR048743 | Baek and Hwang, Unpublished |

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