

Supplementary table 1. List of previously published sequences used in the phylogenetic analysis.

| Species | Host species | GenBank accession number/reference | | | |
|---|---|---|--|---|-------------|
| | | LSU | SSU | ITS2 | <i>cox1</i> |
| <i>Prosogonotrema bilabiatum</i> Viguera, 1940 | <i>Caesio cuning</i> (Bloch, 1791) | AY222191 Olson <i>et al.</i> , 2003 | AJ287565 Cribb <i>et al.</i> , 2001 | - | - |
| <i>Derogenes lacustris</i> Tsuchida, Flores, Viozzi, Rauque & Urabe, 2021 | <i>Galaxias maculatus</i> (Jenyns, 1842) | LC586089 Tsuchida <i>et al.</i> , 2021 | - | - | - |
| <i>Derogenes lacustris</i> Tsuchida, Flores, Viozzi, Rauque & Urabe, 2021 | <i>Galaxias maculatus</i> (Jenyns, 1842) | LC586090 Tsuchida <i>et al.</i> , 2021 | - | - | - |
| <i>Progonus muelleri</i> (Levinsen, 1881) Looss, 1899 | <i>Eumicrotremus fedorovi</i> Mandrytsa, 1991 | MW507469 Sokolov <i>et al.</i> , 2021 | - | - | - |
| <i>Progonus muelleri</i> (Levinsen, 1881) Looss, 1899 | <i>Eumicrotremus fedorovi</i> Mandrytsa, 1991 | MW507470 Sokolov <i>et al.</i> , 2021 | - | - | - |
| <i>Progonus muelleri</i> (Levinsen, 1881) Looss, 1899 | <i>Caprella septentrionalis</i> Krøyer, 1838 | MW507471 Sokolov <i>et al.</i> , 2021 | - | - | - |
| <i>Derogenes varicus</i> (Müller, 1784) Looss, 1901 | <i>Hippoglossoides platessoides</i> (Fabricius, 1780) | AY222189 Olson <i>et al.</i> , 2003 | AJ287511 Littlewood and Olson, 2001 | - | - |
| <i>Derogenes varicus</i> (Müller, 1784) Looss, 1901 | <i>Eumicrotremus fedorovi</i> Mandrytsa, 1991 | MW504598 Sokolov <i>et al.</i> , 2021 | - | - | - |
| <i>Derogenes varicus</i> (Müller, 1784) Looss, 1901 | <i>Eumicrotremus fedorovi</i> Mandrytsa, 1991 | MW504599 Sokolov <i>et al.</i> , 2021 | - | - | - |
| <i>Accacladocoelium macrocotyle</i> (Diesing, 1858) Robinson, 1934 | <i>Mola mola</i> (Linnaeus, 1758) | - | - | KF687303 Ahuir-Baraja <i>et al.</i> , 2015 | - |
| <i>Didymocystis wedli</i> Ariola, 1902 | <i>Thunnus orientalis</i> (Temminck & Schlegel, 1844) | - | - | - | AB725624 |