**Supplementary file 2.** Data from GenBank NCBI used in this study. <https://doi.org/10.5852/ejt.2022.834.1897.7537>

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| **No** | **Species** | **GenBank Accession numbers** | **References** |
| 1 | *Abyssocottus gibbosus* | AY116372 | Kontula *et al.* 2003 |
| 2 | *Abyssocottus korotneffi* | AY116373 | Kontula *et al.* 2003 |
| 3 | *Asprocottus herzensteini* | AY116375 | Kontula *et al.* 2003 |
| 4 | *Asprocottus korjakovi* | AY116374 | Kontula *et al.* 2003 |
| 5 | *Asprocottus platycephalus* | AY116376 | Kontula *et al.* 2003 |
| 6 | *Asprocottus pulcher* | AY116377 | Kontula *et al.* 2003 |
| 7 | *Batrachocottus multiradiatus* | AY116388, MT527181 | Kontula *et al.* 2003; Teterina *et al.* 2020 |
| 8 | *Batrachocottus nikolskii* | AY116389, MT527181 | Kontula *et al.* 2003; Teterina *et al.* 2020 |
| 9 | *Comephorus baikalensis* | AY116386, MF346886 | Kontula *et al.* 2003; Sandel *et al.* 2017b |
| 10 | *Comephorus dybowskii* | AY116387, MF346887, MF346888 | Kontula *et al.* 2003; Sandel *et al.* 2017b |
| 11 | *Cottinella boulengeri* | AY116378 | Kontula *et al.* 2003 |
| 12 | *Cottocomephorus grewingkii* | AY116390 | Kontula *et al.* 2003 |
| 13 | *Cottocomephorus inermis* | AY116391, MW732163 | Kontula *et al.* 2003; Mugue *et al.* 2021 |
| 14 | *Cottus (Rheopresbe) kazika* | AB188157 | Yokoyama & Goto 2005 |
| 15 | *Cottus aleuticus* | AB188170 | Yokoyama & Goto 2005 |
| 16 | *Cottus amblystomopsis* | AB188162, NC\_035002 | Yokoyama & Goto 2005; Balakirev *et al.* 2017 |
| 17 | *Cottus asper* | AY224081, AY224085, AY224086, NC\_036145 | Hawkes 2003; Sandel *et al.* 2017a |
| 18 | *Cottus bairdii* | AY116394, MW856840, KP013090 | Kontula *et al.* 2003; Maloy *et al.* 2021; Renshaw *et al.* 2014 |
| 19 | *Cottus carolinae* | KF746039, KF746040 | Day *et al.* 2014 |
| 20 | *Cottus cognatus* | AY116395, AB308532 | Kontula *et al.* 2003; Yokoyama *et al.* 2008 |
| 21 | *Cottus czerskii* | AB308533–AB308536 | Yokoyama *et al.* 2008 |
| 22 | *Cottus gobio* | AY453695, AY453753, AY453762, AY453763 | Slechtová *et al.* 2004 |
| 23 | *Cottus hangiongensis* | AB188163, NC\_014851 | Yokoyama & Goto 2005; Hwang *et al.* 2013 |
| 24 | *Cottus kolymensis* | AB308484–AB308487 | Yokoyama *et al.* 2008 |
| 25 | *Cottus koreanus* | MW894645 | Yun *et al.* 2021 |
| 26 | *Cottus marginatus* | GQ499282, GQ499283, GQ499288, GQ499295 | Carlin *et al.* 2012 |
| 27 | *Cottus metae* | MN812551–MN812553, MN812557 | Bravničar *et al.* 2020 |
| 28 | *Cottus nozawae* | AB059339–AB059342 | Yokoyama & Goto 2002 |
| 29 | *Cottus perifretum* | MF326940 | Fast *et al.* 2017 |
| 30 | *Cottus pollux* | AB188159 | Yokoyama & Goto 2005 |
| 31 | *Cottus reinii* | AY116401, AB188161, LC097801, NC\_004404 | Kontula *et al.* 2003; Yokoyama & Goto 2005; Tabata *et al.* 2016;  Miya *et al.* 2003 |
| 32 | *Cottus rhenanus* | MF326941 | Fast *et al.* 2017 |
| 33 | *Cottus sibiricus* | AY116398, AB308529–AB308531, | Kontula *et al.* 2003; Yokoyama *et al.* 2008 |
| 34 | *Cottus specus* | KF746050, KF746052–KF746054 | Day *et al.* 2014 |
| 35 | *Cottus szanaga* | KX762049, KX762050 | Balakirev *et al.* 2016 |
| 36 | *Cottus volki* | AB308521–AB308523 | Yokoyama *et al.* 2008 |
| 37 | *Cyphocottus eurystomus* | AY116380 | Kontula *et al.* 2003 |
| 38 | *Leocottus kesslerii* | AB188171, AY116392 | Kontula *et al.* 2003; Yokoyama & Goto 2005 |
| 39 | *Leptocottus armatus* | AY224092–AY224094, AB188173 | Baysdorfer *et al.* 2003; Yokoyama & Goto 2005 |
| 40 | *Limnocottus bergianus* | AY116379 | Kontula *et al.* 2003 |
| 41 | *Limnocottus godlewskii* | AY116381 | Kontula *et al.* 2003 |
| 42 | *Limnocottus griseus* | AY116382 | Kontula *et al.* 2003 |
| 43 | *Limnocottus pallidus* | AY116383 | Kontula *et al.* 2003 |
| 44 | *Mesocottus haitej* | KF170218 | Shedko *et al.* 2015 |
| 45 | *Paracottus knerii* | AY116393, MW732164 | Kontula *et al.* 2003; Mugue *et al.* 2021 |
| 46 | *Procottus jeittelesii* | AY116384 | Kontula *et al.* 2003 |
| 47 | *Procottus major* | MW732166–MW732167 | Mugue *et al.* 2021 |
| 48 | *Trachidermus fasciatus* | JX017305 | Zeng *et al.* 2012 |