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| --- | --- | --- | --- | --- | --- | --- |
| **Specie** | **Subfamily** | **Form** | **Host** | **Locality** | **Access GB** | **Reference** |
| **28S marker** |
| *Cyclocoelum mutabile* | Cyclocoelinae | Adult | *Calidris canutus* | Scotland | AY222249 | Olson *et al*, 2003 |
| *Morishitium polonicum malayense* | Cyclocoelinae | Adult | *Aplonis panayensis strigata* | Malaysia | LC520231 | Urabe *et al*, 2020 |
| *Neohaematotrephus arayae* | Cyclocoelinae | Adult | *Jacana spinosa* | Mexico | MH725787 | López-Jimenez *et al*, 2018 |
| *Tracheophilus cymbium* | Typhlocoelinae | Adult | *Cairina moschata* | China | MK327367  | Not published |
| *Typhlocoelum* sp. | Typhlocoelinae | Adult | *Anas platyrhynchos* | USA | KT956960 | Tkach *et al*, 2016 |
| **Cox-1 marker** |
| *Cyclocoelum mutabile* | Cyclocoelinae | Adult | *Gallinula chropus* | Peru | MH091805 | Gomez-Puerta *et al*, 2018 |
| *Cyclocoelum mutabile* | Cyclocoelinae | Adult | *Fulica atra* | Czech Republic |  KU877883 | Sitko *et al*, 2017 |
| *Harrahium obscurum* | Haematotrehinae | Adult | *Tringa erythropus* | Czech Republic | KU877890 | Sitko *et al*, 2017 |
| *Harrahium tringae* | Haematotrehinae | Adult | *Tringa erythropus* | Czech Republic |  KU877889 | Sitko *et al*, 2017 |
| *Morishitium polonicum* | Cyclocoelinae | Adult | *Turdus phelomelus* | Czech Republic | KU877887 | Sitko *et al*, 2017 |
| *Morishitium polonicum* | Cyclocoelinae | Adult | *Turdus merula* | Czech Republic | KU877887 | Sitko *et al*, 2017 |
| *Tracheophilus cymbium* | Typhlocoelinae | Adult | Duck | China | NC044135  | Li *et al*, 2020 |
| *Uvitellina* sp. | Haematotrehinae | Adult | *Vanellus indicus* | Pakistan | NC042722 | Suleman *et al*, 2019 |
| **Nad-1marker** |
| *Cyclocoelum mutabile* | Cyclocoelinae | Adult | *Gallinula chropus* | Peru | MH091809 | Gomez-Puerta *et al*, 2018 |
| *Cyclocoelum mutabile* | Cyclocoelinae | Adult | *Gallinula chropus* | Peru |  MH091808 | Gomez-Puerta *et al*, 2018 |
| *Cyclocoelum mutabile* | Cyclocoelinae | Adult | *Fulica atra* | Czech Republic |  KU877891 | Sitko *et al*, 2017 |
| *Cyclocoelum mutabile* | Cyclocoelinae | Adult | *Fulica atra* | Czech Republic |  KX097823 | Sitko *et al*, 2017 |
| *Hyptiasmus oculeus* | Cyclocoelinae | Adult | *Fulica atra* | Czech Republic | KU877896 | Sitko *et al*, 2017 |
| *Harrahium tringae* | Haematotrehinae | Adult | *Tringa erythropus* | Czech Republic |  KU877898 | Sitko *et al*, 2017 |
| *Harrahium obscurum* | Haematotrehinae | Adult | *Tringa nebularia* | Czech Republic | KU877897 | Sitko *et al*, 2017 |
| *Morishitium polonicum* | Cyclocoelinae | Adult | *Turdus philomelos* | Czech Republic | KU877893 | Sitko *et al*, 2017 |
| *Tracheophilus cymbium* | Typhlocoelinae | Adult | Duck | China | MK355447 | Li  *et al*, 2020 |
| *Tracheophilus cymbium* | Typhlocoelinae | Adult | Duck | China | NC044135 | Not published |
| *Uvitellina* sp. | Haematotrehinae | Adult | *Vanellus indicus* | Pakistan | NC042722 | Suleman *et al*, 2019 |

**Table S1.** Data related to the sequences used for genetic analysis

**Supplementary Material references**

**Gomez-Puerta LA, Salas MY, Lopez-Urbina MT and Gonzalez AE** (2018) Diagnóstico morfológico y molecular de *Cyclocoelum mutabile* (Trematoda:Cyclocoelidae) en el Perú. *Revista Peruana de Biologia* **25**, 315–320.

 **Li Y, Ma XX, Lv QB, Hu Y, Qiu HY, Chang QC and Wang CR** (2020) Characterization of the complete mitochondrial genome sequence of *Tracheophilus cymbius* (Digenea), the first representative from the family Cyclocoelidae. *Journal of Helminthology* **94**, 1–7.

 **López-Jiménez A, García-Varela M and Hernández-Orts JS** (2018) Review of five species of cyclocoelids (Digenea: Cyclocoelidae) from aquatic birds in Mexico with notes on their interspecific variation. *Systematic Parasitology* **95**, 921-942.

 **Olson PD, Cribb TH, Tkach VV, Bray RA and Littlewood DTJ** (2003) Phylogeny and classification of the Digenea (Platyhelminthes: Trematoda). *International Journal for Parasitology* **33**, 733-755.

**Sitko J, Bizos J and Heneberg P** (2017) Central European parasitic flatworms of the Cyclocoelidae Stossich, 1902 (Trematoda: Plagiorchiida): molecular and comparative morphological analysis suggests the reclassification of *Cyclocoelum obscurum* (Leidy, 1887) into the *Harrahium* Witenberg, 1926. *Parasitology* **144**, 368–383.

 **Suleman KMS, Heneberg P, Zhou CY, Muhammad N, Zhu XQ and Ma J** (2019) Characterization of the complete mitochondrial genome of Uvitellina sp., representative of the family Cyclocoelidae and phylogenetic implications. *Parasitology Research* **118**, 2203-2211.

**Tkach VV, Kudlai O and Kostadinova A** (2016)Molecular phylogeny and systematics of the Echinostomatoidea Looss, 1899 (Plathelminthes: Digenea). *International Journal for Parasitology* **46**, 171–185.

**Urabe M, Nor Hashim EN, Uni S, Iwaki T, Halim MRA, Marziki ME, Udin AS, Zainuri NA, Omar H, Agatsuma T, Uga S, Takaoka H, Azirun MS, Ramli R** (2020) Description and molecular characteristics of *Morishitium polonicum malayense* Urabe, Nor Hashin & Uni, n. subsp. (Trematoda: Cyclocoelidae) from the Asian glossy starling, *Aplonis panayensis strigata* (Passeriformes: Sturnidae) in Penisular Malaysa. *Parasitology International* **76**, 102074. doi: 10.1016/j.parint.2020.102074.