**APPENDIX**

Provenance of DNA sequences on GenBank used in phylogenetic analyses.

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| **Species** | **Host** | **Developmental**  | **Locality** | **GenBank**  |
|  |  | **stage** |  | **Acession number** |
| *Alaria alata* | *Nyctereutes procyonoides* | Adult | Ukraine | AF184263 |
| *Alaria marcianae*  | *Taxidea taxus* | Adult | USA | KT254022 |
| *Alaria mustelae*  | *Lithobates sylvaticus* | Metacercariae | USA | JF820607 |
| *Apatemon* sp. | *Gasterosteus aculeatus* | Metacercariae | Norway | KY513179 |
| *Apatemon gracilis*  | *Gasterosteus aculeatus* | Metacercariae | Norway | KY513177 |
| *Apatemon* sp. 'jamiesoni' | *Phalacrocorax punctatus* | Adult | New Zealand | KT334169 |
| *Apharyngostrigea cornu* | *Ardea alba* | Adult | Mexico | MF398344 |
| *Apharyngostrigea pipientis* | *Nycticorax nycticorax* | Adult | USA | JF820597 |
| *Austrodiplostomum ostrowskiae*  | *Nannopterum brasilianus* | Adult | Mexico | MF398339 |
| *Australapatemon burti*  | *Anas diazi* | Adult | Mexico | MF398342 |
| *Braunina cordiformis*  | *Delphinus delphis* | Adult | Argentina | KM258670 |
| *Bolbophorus* sp. | *Pelecanus erythrorhynchos* | Adult | USA | AF470558 |
| *Cardiocephaloides longicollis* | *Chroicocephalus ridibundus* | Adult | Ukraine | AY222171 |
| *Clinostomum tataxumui* | *Ardea alba* | Adult | Mexico | MF398321 |
| *Crocodillicola pseudostoma* | *Rhamdia guatemalensis* | Metacercariae | Mexico | MF398328 |
| *Diplostomum phoxini*  | *Phoxinus phoxinus* | Metacercariae | United Kingdom | AY222173 |
| *Diplostomum spathaceum* | *Chroicocephalus ridibundus* | Adult | Czech Republic | KR269765 |
| *Diplostomum pseudospathaceum* | *Chroicocephalus ridibundus* | Adult | Czech Republic | KR269766 |
| *Hysteromorpha triloba* | *Nannopterum brasilianus* | Adult | Mexico | MF398336 |
| *Ichthyocotylurus erraticus*  | *Coregonus autumnalis* | Metacercariae | United Kingdom | AY222172 |
| *Mesostephanus microbursa*  | *Sula nebouxii* | Adult | Mexico | MF398326 |
| *Neodiplostomum americanum*  | *Bubo virginianus* | Adult | USA | KY851307 |
| *Parastrigea cincta*  | *Eudocimus albus* | Adult | Mexico | MF398347 |
| *Parastrigea diovadena* | *Eudocimus albus* | Adult | Mexico | MF398348 |
| *Parastrigea plataleae*  | *Platalea ajaja* | Adult | Mexico | MF398346 |
| *Posthodiplostomum* sp. | *Nannopterum brasilianus* | Adult | Mexico | MF398331 |
| *Strigea* sp. | *Caracara cheriway* | Adult | Mexico | MF398343 |
| *Tylodelphys aztecae*  | *Podilymbus podiceps* | Adult | Mexico | MF398337 |
| *Tylodelphys mashonensis*  | *Tilapia sparrmanii* | Metacercariae | South Africa | KF189071 |
| *Uvulifer* sp. | *Megaceryle alcyon* | Adult | Mexico | MF398333 |
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