**Molecular evidence linking the larval and adult stages of *Mexiconema cichlasomae* (Dracunculoidea:** **Daniconematidae) from México, with notes on its phylogenetic position among Dracunculoidea**

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**Table S1.** Life cycles of fish nematodes parasites reported from Neotropical and Palearctic realms.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Realm** | **Superfamily** | **Famlies** | **Species** | **Reference (s)** |
| Neotropic | Ascaridoidea | Anisakidae | *Contracaecum multipapillatum* | Valles-Vega *et al.,* 2017 |
|  |  |  | *Contracaecum rudolphii* | Torres *et al.,* 2000 |
|  |  |  | *Hysterothylacium aduncum* | Navone *et al.,* 1998 |
|  |  |  | *Hysterothylacium geschei* | Raddatz *et al.,* 2015 |
|  |  |  | *Pseudoterranova cattanii* | Timi *et al.,* 2014 |
|  | Camallanoidea | Camallanidae | *Procamallanus pereirai* | Portes-Santos *et al.,* 1999 |
|  |  |  | *Camallanus corderoi* | Torres *et al.,* 2010 |
|  |  |  | *Procamallanus (Spirocamallanus) neocaballeroi* | Moravec & Vargas-Vázquez, 1996 |
|  |  |  | *Procamallanus rebecae (Spirocamallanus)* | Moravec *et al.,* 1995 |
|  | Habronematoidea | Cystidicolidae | *Ascarophis marina* | Martorelli *et al.,* 2000 |
|  | Gnathostomatidae | Gnathostomidae | *Gnathostoma lamothei* | Gaspar-Navaro *et al.,* 2013 |
|  |  |  | *Gnathostoma turgidum* | Mosqueda-Cabrera *et al.,* 2009 |
|  | Thelazioidea | Rhabdochonidae | *Rhabdochona kidderi* | Caspeta-Mandujano *et al.,* 2000 |
| Palearctic | Ascaridoidea | Anisakidae | *Anisakis paggiae* | Klimpel *et al.,* 2011 |
|  |  |  | *Anisakis pegreffii* | Mateu *et al.,* 2015  |
|  |  |  | *Anisakis simplex* | Smith, 1983 |
|  |  |  | *Contracaecum osculatum* | Køie & Fagerholm, 1995 |
|  |  |  | *Contracaecum rudolphii* | Dziekońska-Rynko *et al.*, 2010 |
| **Realm** | **Superfamily** | **Famlies** | **Species** | **Reference (s)** |
| Palearctic | Ascaridoidea | Anisakidae | *Contracecum bidentatum* | Geller & Babich, 1953  |
|  |  |  | *Contracecum microcephalum* | Mozgovoi & Shakhmatova, 1979  |
|  |  |  | *Goezia ascaroides* | Mozgovoi *et al.,* 1971 |
|  |  |  | *Hysterothylacium aduncum* | Køie, 1993 |
|  |  |  | *Hysterothylacium haze* | Yoshinaga *et al.,* 1989  |
|  |  | Raphidascarididae | *Rhaphidascaris biwakoensis* | Moravec *et al.*, 1998 |
|  | Camallanoidea | Camallanidae | *Camallanus adamsi* | Bashirullah & Ahmed, 1976 |
|  |  |  | *Camallanus anabantis* | De, 1999 |
|  |  |  | *Camallanus cotti* | Levsen, 2001 |
|  |  |  | *Camallanus lacustri* | Campana-Rouget, 1961  |
|  |  |  | *Camallanus sweeti* | Moorthy, 1938 |
|  | Dracunculoidea | Anguillicolidae | *Anguillicola crassus* | De Charleroy, 1990 |
|  |  |  | *Anguillicola globiceps* | Wang & Zhao, 1980 |
|  |  |  | *Anguillicola novaezelandiae* | Moravec *et al.,* 1994 |
|  |  |  | *Anguillicola papernai* | Taraschewski *et al.,* 2005 |
|  |  | Philometridae | *Philometra abdominalis* | Moravec, 1977a |
|  |  |  | *Philometra cylindracea* | Molnár& Fernando, 1975 |
|  |  |  | *Philometra fujimotoi* | Furuyama, 1934  |
|  |  |  | *Philometra kotlani* | Molnár, 1969  |
|  |  |  | *Philometra obturans* | Molnár, 1976 |
|  |  |  | *Philometra ovata* | Molnár, 1966 |
|  |  |  | *Philometra rischta* | Molnár, 1966 |
|  |  |  | *Philometra lusii* | Ivasik *et al.,* 1967 |
|  |  | Philometroides | *Clavinema mariae* | Sakaguchi & Fukuhara, 1975 |
|  |  |  | *Philomena agubernaculum* | Vik, 1964 |
|  |  |  | *Philometrides carassii* | Ouk & Chun, 1973 |
|  |  |  | *Philometrides cyprini* | Vismanis, 1970  |
|  |  |  | *Philometrides fuluidraconi* | Yu *et al.,* 1993  |
|  |  |  | *Philometrides huronensis* | Uhazy, 1977 |
|  |  |  | *Philometrides moraveci* | Ermolenko, 1984  |
| **Realm** | **Superfamily** | **Famlies** | **Species** | **Reference (s)** |
| Palearctic | Dracunculoidea | Philometroides | *Philometrides nodulosa* | Dailey, 1966 |
|  |  |  | *Philometrides oncorhynchi* | Adams, 1969 |
|  |  | Skrajabillanidae | *Molnaria intestinalis* | Tikhomirova, 1975 |
|  |  |  | *Sinoichthyonema amuri* | Rudometova, 1975  |
|  |  |  | *Skrajabillanus scardinii* | Tikhomirova, 1975  |
|  |  |  | *Skrajabillanus tincae* | Tikhomirova, 1980 |
|  |  |  | *Philometra sanguinea* | Yashchuk, 1971 |
|  | Gnathostomatidae | Gnathostomidae | *Gnathostoma doloresi* | Ishii, 1956  |
|  |  |  | *Gnathostoma hispidum* | Daengsvang, 1972  |
|  |  |  | *Gnathostoma nipponicum* | Ando *et al.*, 1992 |
|  | Habronematoidea | Cystidicolidae | *Cystidicoloides ephemeridarum* | De &Moravec, 1979  |
|  |  |  | *Cystidicola farionis* | Cavazza *et al.*, 2014 |
|  |  |  | *Spiniectus inermis* |  Saraiva *et al.*, 2002 |
|  |  |  | *Cystidicoloides tenuissima* | Moravec, 1971  |
|  | Seuratoidea | Cucullanidae | *Cucullanus chabaudi* | Le-Van-Hoa & Pham-Ngoc-Khue, 1967  |
|  |  |  | *Cucullanus cirratus* | Køie, 2000a |
|  |  |  | *Cucullanus heterochrous* | Køie, 2000b |
|  |  |  | *Cucullanus truttae* | Moravec, 1979  |
|  |  |  | *Dichelyne (Cucullanellus) minutus* | Køie, 2001b |
|  |  | Quimperidae | *Paraquimperia tenerrima* | Shears & Kennedy, 2005  |
|  | Thelazioidea | Rhapdochonidae | *Raphidascaris acus* | Smith, 1986  |
|  |  |  | *Rhabdochona denudata* | Schtein, 1959  |
|  |  |  | *Rhabdochona ergensi* | Moravec, 1972  |
|  |  |  | *Rhabdochona hellich* |  Moravec & Scholz, 1995 |
|  |  |  | *Rhabdochona phoxini* | Moravec, 1977b |
|  | Trichinelloidea | Capillaridae | *Capillaria gracilis* | Køie, 2001a |

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