Checklist of the subfamily Adoncholaiminae
Gerlach and Riemann, 1974 (Nematoda: Oncholaimida: Oncholaimidae) of the world: genera, species, distribution, and reference list for taxonomists and ecologists

Daisuke Shimada ‡
‡ Department of Biology, Keio University, 4-1-1, Hiyoshi, Yokohama, 223-8521, Japan

Abstract

Background

Adoncholaiminae is one of the seven subfamilies in the free-living aquatic nematode family Oncholaimidae. Nematodes in Adoncholaiminae are found from various water environment of the world. However, a checklist of all Adoncholaiminae species including full literature, especially information of experimental (not taxonomic) works, has not been updated for more than 40 years.

New information

A revised checklist of the subfamily Adoncholaiminae of the world is provided. It contains 31 valid and 13 invalid species names in four genera with synonyms, collection records,
and full literature from 1860's to 2015 for each species. A literature survey of total 477 previous papers was conducted in this work, and 362 of them are newly added to checklist.

Keywords

aquatic nematodes, marine, brackish, freshwater, oncholaimid, synonymy, taxonomy, systematics, nomenclature, ecology

Introduction

Adoncholaiminae Gerlach and Riemann, 1974 is a subfamily of free-living aquatic nematode family Oncholaimidae Filipjev, 1916 (phylum Nematoda). It consists of four genera (Lorenzen 1981a, Lorenzen 1994, Shimada and Kajihara 2014), viz. Adoncholaimus Filipjev, 1918, Admirandus, Belogurov and Belogurova 1979, Kreisoncholaimus Rachor, 1969, and Meyersia Hopper, 1967. Metoncholaimoides Wieser, 1953 has been placed in the subfamily before, but Shimada and Kajihara (2014) considered the genus as a junior synonym for Adoncholaimus. Adoncholaiminae morphologically differs from the other six subfamilies of family Oncholaimidae Filipjev, 1916 in the order Oncholaimida Siddiqi, 1983 and suborder Oncholaimina de Conink, 1965 (c.f. Filipjev 1916, Maggenti 1981, Siddiqi 1983, Smol and Coomans 2006, Hodda 2011, Shimada and Kajihara 2014) by the well developed sperm-storage organ (Demanian system) in the female (Rachor 1969, Belogurov and Belogurova 1977a, Belogurov and Belogurova 1977b, Belogurov and Belogurova 1977c, Belogurov and Belogurova 1977d, Belogurov and Belogurova 1989, Smol and Coomans 2006), however there have been no molecular phylogenetic evidences at present. Nematodes belonging to Adoncholaiminae are found from all continents, from the equatorial tropic to the two poles. Most of them are marine or brackish, and some are freshwater species (Smol and Coomans 2006).

A taxonomist who wants to describe new species must collect original descriptions and redescriptions of all congeners by literature research. Complete lists of all species and subspecies names of the genera are exceedingly helpful for taxonomic studies and biodiversity surveys. Such lists are more useful if any other information of individual species are included. In the field of free-living nematodes, there is a comprehensive reference work "The Bremerhaven Checklist of Aquatic Nematodes" (Gerlach and Riemann 1973, Gerlach and Riemann 1974) covering almost all species names of aquatic nematodes with their synonym list, sampling sites, and references before early 1970's. Although many revisions of the specific genera or higher taxa with species lists and taxonomic keys (e.g. Greenslade and Nicholas 1991, Huang and Cheng 2012, Shimada and Kajihara 2014) have been published since 1974, full literature of them is not available today.

This work aims to provide a checklist of Adoncholaiminae species of the world with their synonymy, distribution, and literature information for potential taxonomists who (will) study
nematodes in the subfamily. A literature survey of 31 valid and 13 invalid species in Adoncholaiminae was conducted. More than 400 papers in which species names of Adoncholaiminae are found, not only taxonomic descriptions and collection records but also ecological, morphological, physiological, and DNA works, were completely collected. However, references not satisfying criteria of publication in Articles 8 and 9 of International Code of Zoological Nomenclature (International Commission on Zoological Nomenclature 1999, International Commission on Zoological Nomenclature 2012a, International Commission on Zoological Nomenclature 2012b), e.g. theses, symposium abstracts, and some web articles, are excluded.

Total 485 previous papers (see References) including any species names of Adoncholaiminae was found through a literature survey. Of these references, only 115 were also cited by Gerlach and Riemann (1974) in section of Adoncholaiminae. New 362 papers are added to literature in the present study, containing 293 published after 1973, and 69 were published before 1974 but neglected by them. However, most of the latter were cited in other sections of their checklist.

The names of oceans and seas were used as defined by International Hydrographic Organization (1953)

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**Subfamily Adoncholaiminae Gerlach and Riemann, 1974**

**Nomenclature:**

Synonym: subtribe Adoncholaimina Gerlach and Riemann, 1974, used first in Belogurov and Belogurova (1978a)

Synonym: subtribe Meyersiina Belogurov and Belogurova, 1978a

Incorrect original spelling: Adoncholaiminini in Belogurov and Belogurova (1978a), Belogurov and Belogurova (1978b), Belogurov and Belogurova (1988), Belogurov and Belogurova (1989)

Incorrect original spelling: Meyersiinini in Belogurov and Belogurova (1978a), Belogurov and Belogurova (1978b), Belogurov and Belogurova (1988), Belogurov and Belogurova (1989)

Type genus: *Adoncholaimus* Filipjev, 1918 = *Metoncholaimoides* Wieser, 1953 [by Shimada and Kajihara (2014)]

Other genera: *Admirandus* Belogurov and Belogurova, 1979; *Kreisoncholaimus* Rachor, 1969; *Meyersia* Hopper, 1967
Notes: The latest taxonomic key to genera: Smol and Coomans (2006)

Revisions and reviews of the subfamily: Belogurov and Belogurova 1978a, Belogurov and Belogurova 1978b, Lorenzen 1981a, Belogurov and Belogurova 1988, Belogurov and Belogurova 1989, Lorenzen 1994, Hope 2007, Smol et al. 2014

Genus Adoncholaimus Filipjev, 1918

Nomenclature:
Synonym: Metoncholaimoides Wieser, 1953
non Adoncholaimus sp. in Menzel (1925) (= Oncholaimus menzeli Schneider, 1937)
nec Adoncholaimus pristiuris in Filipjev and Schuurmans Stekhoven (1941) (= incorrect subsequent spelling of Metoncholaimus pristiuris?)

Etymology: masculine noun, ad (Latin, "to") + genus Oncholaimus [όνχος (Greek, "fang") + λαιµός (Greek, "throat")]

Type species: Adoncholaimus fuscus (Bastian, 1865) Filipjev, 1918

Valid 22 species: A. fuscus; A. aralensis Filipjev, 1924; A. crassicaudus Wieser, 1953; A. daikokuensis Shimada and Kajihara, 2014; A. derjugini (Ssaweljev, 1912) Filipjev, 1918; A. exoptatus Belogurova and Belogurov, 1974; A. fervidus Kirjanova, 1955; A. filicauda (Galtsova, 1976) Shimada and Kajihara, 2014; A. indicus (von Linstow, 1907) Filipjev, 1918; A. islandicus Kreis, 1963; A. lepidus (de Man 1889) Filipjev, 1918; A. longicaudatus Paramonov, 1929; A. longispiculatus Gagarin and Nguyen, 2007; A. oxyuroides (Allgén, 1934) Gerlach and Riemann, 1974; A. panicus Cobb, 1930; A. parvus Gagarin and Nguyen, 2003; A. pseudofervidus Shimada and Kajihara, 2014; A. punctatus (Cobb, 1914) Filipjev, 1924; A. quadriporus Belogurova and Belogurov, 1974; A. squalus (Wieser, 1953) Shimada and Kajihara, 2014; A. thalassophygas (de Man, 1876) Filipjev, 1918; A. ussuriensis Mordukhovich et al., 2015

Invalid 11 species: A. angustatus (Cobb, 1981) Filipjev, 1918; A. austrogeorgiae Allgén, 1959; A. bandaensis Kreis, 1932; A. chilkensis (Stewart, 1914) Kreis, 1934; A. chinensis Huang and Zhang, 2009; A. talklandiae Allgén, 1959; A. meridionalis (Kreis, 1932) Rachor, 1969; A. nudus (Kreis, 1932) Rachor, 1969; A. papillatus Kreis, 1932; A. skawensis (Ditlevsen, 1921) Allgén, 1933; A. taboguillensis (Allgén, 1947) Wieser, 1953

Notes: Original description: Filipjev (1918)

English translation of original description: Filipjev (1968)

The latest taxonomic key to species: Mordukhovich et al. (2015)

Revisions and reviews of the genus: Filipjev (1924), Kreis (1934), Hopper and Cairns (1959), Chitwood (1960), Rachor (1969), Gerlach and Riemann (1974), Belogurov and Belogurova (1977b), Belogurov and Belogurova (1977d), Belogurov and Belogurova (1977c), Belogurov and Belogurova (1977a), Belogurov and Belogurova (1978b),
Belogurov and Belogurova (1978a), Platt and Warwick (1983), Belogurov and Belogurova (1988), Belogurov and Belogurova (1989), Keppner and Tarjan (1989), Somerfield and Warwick (1996), Smol and Coomans (2006), Smol et al. (2014), Shimada and Kajihara (2014)

Molecular phylogeny: Litvaitis et al. 2000, Bhadury et al. 2006a, Bhadury et al. 2006b, Sharma et al. 2006, Bhadury et al. 2007, Meldal et al. 2007, Bik et al. 2010a, Bik et al. 2010b

Collection records of unidentified species (Adoncholaimus sp.): see Table 1

Table 1.
References of unidentified species in Adoncholaimus. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                                | Collection                                      | T | E | M | O | C |
|------------------------------------------|-------------------------------------------------|---|---|---|---|---|
| Locality                                 | Country                          | Habitat          | D | G | R | L | N | P | F  |
| Schulz 1935b                             | Lake Ganzirri, Sicilia Island, Mediterranean Sea | Italy brackish   |   |   |   |   |   |   | ×  |
| Allgén 1942                              | Arensch, Cuxhaven, North Sea                   | Germany plants   |   |   |   |   |   |   | ×  |
| Riemann 1969                             | Arensch, Cuxhaven, North Sea                   | Germany plants   |   |   |   |   |   |   | ×  |
| Ward 1973                                | Liverpool Bay, Irish Sea                     | United Kingdom muddy or clean sand with gravel |   |   |   |   |   |   | ×  |
| Belogurov and Belogurova 1979            | Urup, Kuril Islands, North Pacific Ocean       | Russia intertidal |   |   |   |   |   |   | ×  |
| Krishnamurthy et al. 1980                | Bay of Bengal                                | India mangrove   |   |   |   |   |   |   | ×  |
| Subramanian et al. 1984                  | Vellar to Coleroon estuary, Bay of Bengal      | India mangrove   |   |   |   |   |   |   | ×  |
| Aryuthaka 1985 (Metoncholaimoides sp.)    | Yojiro, Kagoshima Bay, North Pacific Ocean     | Japan sand and seagrasses, 1–3 m deep |   |   |   |   |   |   | ×  |
| Gerdes et al. 1985b                      | Gavish Sabbath, along Gulf of Elat, Red Sea     | Egypt brackish   |   |   |   |   |   |   | ×  |
| Study                | Location                          | Region                          | Type                | Status |
|---------------------|-----------------------------------|---------------------------------|---------------------|--------|
| Hodda and Nicholas 1985 | Hunter estuary, South Pacific Ocean | Australia intertidal mud with plants | × |
| Hammer 1986         | -                                 | -                               | -                   | × |
| Lambshead 1986      | Bute Island, Firth of Clyde, Irish Sea | United Kingdom sediment | × |
| Alongi 1990         | Bowling Green Bay, South Pacific Ocean | Australia intertidal | × |
| Matsumoto et al. 1992 | Ariake Sea, Eastern China Sea | Japan intertidal mud | × |
| Ólafsson et al. 1993 | off Askö, Baltic Sea | Sweden 34 m deep | × |
| Riemann 1995        | Porcupine Seabight, North Atlantic Ocean | off Ireland deep sea sediment | × |
| Villano and Warwick 1995 | Palude della Rose, Venezia, Adriatic Sea, Mediterranean Sea | Italy sediment | × |
| Blome 1996          | Arensch, North Sea | Germany intertidal | × |
| Gee and Somerfield 1997 | Sungai Pasir, Malacca Strait | Malaysia mangrove | × |
| Blaxter et al. 1998 | -                                 | -                               | -                   | × |
| Pallo et al. 1998   | Gulf of Riga, Baltic Sea | Latvia; Estonia sediment | × |
| Somerfield et al. 1998 | Merbok estuary, Malacca Strait | Malaysia mangrove | × |
| Gyedu-Ababio et al. 1999 | Swartkops estuary, Algoa Bay, Indian Ocean | South Africa brackish sediment | × |
| Moens et al. 1999a  | Schelde estuary, North Sea | The Netherlands sediment | × |
| Moens et al. 1999b  | Schelde estuary, North Sea | The Netherlands sediment | × |
| Aarnio 2000         | Åland archipelago, Baltic Sea | Finland subtidal sand | × |
| Moens et al. 2000   | -                                 | -                               | -                   | × |
| Warwick and Villano 2000 | same as Villano and Warwick 1995 | × |
| Reference                  | Location and Region             | Country | Material | Collection Depth | Notes |
|----------------------------|---------------------------------|---------|----------|------------------|-------|
| Blaxter 2001               | -                               | Russia | no data  | -                | ×     |
| Gagarin 2001               | North East Yakutia, Arctic Sea  | Russia | no data  | -                | ×     |
| Gheskiière et al. 2002     | De Panne, North Sea             | Belgium| sediment | -                | ×     |
| Gwyther and Fairweather 2002| Barwon estuary, Victoria, Bass Strait | Australia| mud | -               | ×     |
| Wu et al. 2002             | Chongming, Shanghai, Eastern China Sea | China | soil with plants | - | × |
| Gwyther 2003               | Barwon estuary, Victoria, Bass Strait | Australia| sediment | - | × |
| Ullberg and Ólafsson 2003b | Sandviken, Askö, Baltic Sea     | Sweden | sand     | -                | ×     |
| Ullberg and Ólafsson 2003a | Sandviken, Askö, Baltic Sea     | Sweden | sand     | -                | ×     |
| Clarke et al. 2004         | -                               | -       | -        | -                | ×     |
| Gagarin and Nguyen 2005    | Nhue River, Hanoi               | Vietnam| sediment | -                | ×     |
| Mullin et al. 2005         | no data                         | -       | sediment | -                | ×     |
| Pavlyuk and Trebukhova 2005| Amur Bay, Japan Sea             | Russia | 6.4–7.5 m deep | - | × |
| Wu et al. 2005             | Shanghai, Eastern China Sea     | China   | soil     | -                | ×     |
| Bhadury et al. 2006a       | -                               | -       | -        | -                | ×     |
| Pavlyuk and Trebukhova 2006| Nha Trang Bay, South China Sea  | Vietnam| sediment | -                | ×     |
| Urban-Malinga et al. 2006  | Hel Peninsula, Puck Bay, Baltic Sea | Poland | sediment | - | × |
| van Straalen and Roelofs 2006| -                               | -       | -        | -                | ×     |
| Chen et al. 2007           | Yangtze estuary, Shanghai, Eastern China Sea | China | plants | - | × |
| Pavithran et al. 2007      | Central Indian Ocean Basin, Indian Ocean | off India | deep sea sediment | - | × |
| Study                                    | Location                                                                 | Country       | Environment               | Notes  |
|-----------------------------------------|---------------------------------------------------------------------------|---------------|---------------------------|--------|
| Pavlyuk et al. 2007a                    | Amur Bay, Japan Sea                                                       | Russia        | intertidal and subtidal   | ×      |
| Pavlyuk et al. 2007b                    | same as Pavlyuk et al. 2007a                                              | ×             |                           |        |
| Schratzberger et al. 2007                | North Sea                                                                 | off United Kingdom | sediment            | ×      |
| Shen et al. 2007                        | Qingdao, Yellow Sea                                                       | China         | intertidal sand           | ×      |
| Timm et al. 2007                        | Reigi Bay, Hiiumaa Island, Baltic Sea                                    | Estonia       | brackish sediment         | ×      |
| Torres-Pratis and Schizas 2007           | Magueyes Island, Caribbean Sea                                            | Puerto Rico   | mangrove                  | ×      |
| Quang et al. 2007                       | Khe Nhan, Can Gio, South China Sea                                       | Vietnam       | mud among mangrove        | ×      |
| de Leonardis et al. 2008                 | Manfredonia, Adriatic Sea; Gallipoli, Ionian Sea; Mediterranean Sea       | Italy         | 60–700 m deep             | ×      |
| Hose et al. 2008                        | Lake Martin, Victoria                                                   | Australia     | freshwater sediment       | ×      |
| Ivanova et al. 2008                     | Tikhaya Lagoon, Amur Bay, Japan Sea                                      | Russia        | freshwater and brackish   | ×      |
| Pavlyuk and Trebukhova 2008              | Amur Bay, Japan Sea                                                      | Russia        | sediment                  | ×      |
| Chu et al. 2009                         | -                                                                        | -             | -                         | ×      |
| Pavithran et al. 2009                   | Central Indian Ocean Basin, Indian Ocean                                 | off India     | deep sea sediment         | ×      |
| van Megen et al. 2009                   | no data                                                                  | The Netherlands | soil                      | ×      |
| Willems et al. 2009                     | Hättorna, Skagerrak                                                     | Sweden        | sand, 23–28 m deep        | ×      |
| Belogurova 2010                         | Amur Bay; Kozmino, Japan Sea                                             | Russia        | intertidal to subtidal    | ×      |
| Bik et al. 2010a                        | no data                                                                  | no data       | no data                   | ×      |
| Bik et al. 2010b                        | same as Bik et al. 2010a                                                 | ×             |                           |        |
| Nanajkar and Ingole 2010                 | Karwar; Ratnagiri, Arabian Sea                                           | India         | subtidal sediment         | ×      |
| Reference                  | Location                                                      | Country          | Sample Type                  | Notes          |
|----------------------------|---------------------------------------------------------------|------------------|------------------------------|----------------|
| Semprucci et al. 2010      | Adriatic Sea, Mediterranean Sea                              | Italy            | sediment                     | ×              |
| Venekey et al. 2010        | no data                                                      | Brazil           | no data                      | ×              |
| Gyedu-Ababio 2011          | Swartkops estuary, Algoa Bay; Gamtoos estuary, St. Francis Bay, Indian Ocean | South Africa     | subtidal sediment            | ×              |
| Ngo and Vo 2011            | Can Gio, Ho Chi Minh, South China Sea                        | Vietnam          | sediment among mangrove      | ×              |
| Pavlyuk and Trebukhova 2011| Jeju Island, Eastern China Sea                               | South Korea      | intertidal sediment          | ×              |
| Portnova et al. 2011       | Håkon Mosby Mud Volcano, Norwegian Sea                      | off Norway       | 1277–1294 m deep             | ×              |
| Sawangarreruks et al. 2011 | Tha Chin estuary, Gulf of Thailand                           | Thailand         | sediment among mangrove      | ×              |
| Tsujino and Uchida 2011    | Zigozen, Hiroshima Bay, Seto Inland Sea                     | Japan            | intertidal mud without algae | ×              |
| Fonseca and Fehlauer-Ale 2012| São Sebastião, South Atlantic Ocean                          | Brazil           | intertidal sediment          | ×              |
| Nguyen et al. 2012         | Mekong River Delta, South China Sea                          | Vietnam          | freshwater sediment          | ×              |
| van Straalen and Roelofs 2012| -                                                           | -                | -                            | ×              |
| Zeppilli et al. 2012        | Gulf of Lions, Mediterranean Sea                             | France           | 265–434 m deep               | ×              |
| Belogurova 2013            | Peter the Great Gulf, Japan Sea                              | Russia           | 270–800 m deep               | ×              |
| Carriço et al. 2013        | Saint-Nic, North Atlantic Ocean                             | France           | fine sand                    | ×              |
| Gingold et al. 2013        | El Tornillal, Gulf of California                             | Mexico           | sediment                     | ×              |
| Ngo and Ngo 2013           | Can Gio, Long Hòa, Ho Chi Minh                              | Vietnam          | shrimp growing ponds         | ×              |
| Study | Location | Depth | Description | Key |
|-------|----------|-------|-------------|-----|
| Pinto et al. 2013 | Itamaraca Island, South Atlantic Ocean | Brazil | sediment among mangrove | × |
| Sturhan 2013 | Hooge Island, North Sea | Germany | soil | × |
| Moens et al. 2014 | Veerse Meer, North Sea | The Netherlands | brackish | × |
| Ngo et al. 2014 | Can Gio, Long Hòa, Ho Chi Minh | Vietnam | sediment among mangrove | × |
| Portnova et al. 2014a | Nyegga, Storegga Slide, Norwegian Sea | off Norway | 714–739 m deep | × |
| Portnova et al. 2014b | same as Portnova et al. 2014b | | | × |
| Zeppilli et al. 2014 | Azores Archipelago, North Atlantic Ocean | Portuguese | 206–1900 m deep | × |
| Pastor de Ward et al. 2015 | San Julián Bay, Santa Cruz, South Atlantic Ocean | Argentina | intertidal sediment | × |

**Adoncholaimus fuscus** (Bastian, 1865) Filipjev, 1918

**Nomenclature:**

Synonym: *Oncholaimus fuscus* Bastian, 1865

Synonym?: *Adoncholaimus oxyuroides* Allgén, 1934b [by Wieser (1953), not followed by Shimada and Kajihara (2014)]

Etymology: adjective, *fuscus, -a, -um* (Latin, "dark")

**Notes:** Holotype: unknown

References: see Table 2
Table 2.
References of *Adoncholaimus fuscus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference            | Collection                          | T | E | M | O | C |
|----------------------|-------------------------------------|---|---|---|---|---|
| Bastian 1865 (O. fuscus) | Falmouth, English Channel | United Kingdom | mud | × |   |   |
| Möbius 1873 (O. fuscus) | -                                   | - | - |   |   | × |
| Bütschli 1874 (O. fuscus) | Kiel Bay, Baltic Sea | Germany | no data | × |   |   |
| Villot 1875 (O. fuscus) | -                                   | - | - |   |   | × |
| von Linstow 1878 (O. fuscus) | -                                   | - | - |   |   | × |
| de Man 1886 (O. fuscus) | Schelde estuary, Walcheren, North Sea | The Netherlands | no data | × |   |   |
| de Man 1888 (O. fuscus) | -                                   | - | - |   |   | × |
| de Man 1889a (O. fuscus) | -                                   | - | - |   |   | × |
| de Man 1889b (O. fuscus) | -                                   | - | - |   |   | × |
| de Man 1889c (O. fuscus) | -                                   | - | - |   |   | × |
| von Linstow 1889 (O. fuscus) | -                                   | - | - |   |   | × |
| Jägerskiöld 1901 (O. fuscus) | -                                   | - | - |   |   | × |
| von Linstow 1902 (O. fuscus) | -                                   | - | - |   |   | × |
| Jägerskiöld 1904 (O. fuscus) | SW coast of Jutland Peninsula, North Sea | Denmark | no data | × |   |   |
| Stewart 1906 (O. fuscus) | -                                   | - | - |   |   | × |
| Horsman 1912 (O. fuscus) | Ynyslas, Irish Sea | United Kingdom | sand |   |   | × |
| Year       | Authors                        | Location                      | Depth         | Presence |
|------------|--------------------------------|-------------------------------|---------------|----------|
| 1914b      | Stewart                        | -                             | -             | x        |
| 1918       | Filipjev                       | -                             | -             | x        |
| 1919       | Ditlevsen                      | Snoghøj; Kongebrø, Little Belt | Denmark      | intertidal to 15 m deep | x |
| 1921       | Allgén                         | -                             | -             | x        |
| 1921       | Micoletzky                     | -                             | -             | x        |
| 1924       | Filipjev                       | -                             | -             | x        |
| 1925       | Allgén                         | -                             | -             | x        |
| 1925       | Filipjev                       | -                             | -             | x        |
| 1927       | Allgén                         | Barsebäckshamn, Øresund       | Sweden        | algae    | x |
| 1927       | Schodduyn                      | Slack estuary, near Boulogne-sur-mer, English Channel | France | bottom sediment | x |
| 1930       | Cobb                           | -                             | -             | x        |
| 1933       | von Wülker and Schuurmans Stekhoven | -                             | -             | x        |
| 1934a      | Allgén                         | -                             | -             | x        |
| 1934       | Kreis                          | -                             | -             | x        |
| 1935a      | Allgén                         | -                             | -             | x        |
| 1935a      | Schuurmans Stekhoven           | Zuiderzee, North Sea          | The Netherlands | no data | x |
| 1935b      | Schuurmans Stekhoven           | Nieuport, English Channel; Zuiderzee, North Sea | Belgium; The Netherlands | no data | x |
| 1935       | Schuurmans Stekhoven et al. 1935 | Zuiderzee, North Sea          | The Netherlands | no data | x |
| 1936b      | Schuurmans Stekhoven           | -                             | -             | x        |
| 1936       | Schulz                         | Amrum, North Sea              | Germany       | subtidal sand | x |
| Reference | Location | Country | Environment | Notes |
|-----------|----------|---------|-------------|-------|
| Schneider 1939 | - | - | - | × |
| Bresslau and Schuurmans Stekhoven 1940 | Helgoland, North Sea | Germany | no data | × |
| de Vos and Redeke 1941 | Wadden Sea, North Sea | The Netherlands | no data | × |
| Schuurmans Stekhoven 1942a | Øresund | Belgium | no data | × |
| Schuurmans Stekhoven 1942b | Yerseke, North Sea | The Netherlands | oyster bed | × |
| Schuurmans Stekhoven 1946 | Stockholm Archipelago, Baltic Sea | Sweden | no data | × |
| Chitwood 1951 | Woods Hole, Massachusetts, North Atlantic Ocean | United States | no data | × |
| Gerlach 1953b | Kiel Bay, Baltic Sea | Germany | sand | × |
| Wieser 1953 | - | - | - | × |
| Gerlach 1954b | - | - | - | × |
| Schuurmans Stekhoven 1954 | - | - | - | × |
| Remane 1955 | - | - | - | × |
| el Maghraby and Perkins 1956 | Wave Crest, Whitstable, North Sea | United Kingdom | mud on slipway | × |
| Wieser et al. 1957 | Rum Bay, Plymouth, English Channel | United Kingdom | intertidal mud | × |
| Gerlach 1958 | Kiel Fjord; Vodrups Flak, Kiel Bay, Baltic Sea | Germany | sand; gravel, 2–13 m deep | × |
| Capstick 1959 | Blyth estuary, North Sea | United Kingdom | sediment | × |
| Gerlach 1959 | - | - | - | × |
| Paramonov 1962 (O. fuscus) | - | - | - | × |
| Kreis 1963 | - | - | - | × |
| de Coninck 1965 | - | - | - | × |
| Bilio 1966 | - | - | - | × |
| Reference   | Location                                           | Country          | Habitat Details                           | Note |
|-------------|----------------------------------------------------|------------------|------------------------------------------|------|
| Coles 1966  | Skippers Island, Thorpe-le-Soken, Essex, North Sea| United Kingdom   | soil among plant roots                   |      |
| Riemann 1966 | Cuxhaven-Groden; Ostemündung, North Sea            | Germany          | sand, intertidal; 13–15 m deep          | ×    |
| Filipjev 1968 | Schleswig-Holsteinischen, North Sea               | Germany          | plants in salt marsh                    |      |
| Paramonov 1968 | (O. fuscus)                                       | -                | -                                        |      |
| Hopper 1969  | Kingsport, Nova Scotia, North Atlantic Ocean      | Canada           | blackish-grey mud among plants          |      |
| Lorenzen 1969 | Schleswig-Holsteinischen                          | Germany          | brackish plants in salt marsh           |      |
| Rachor 1969  | same as Rachor 1970                               | -                | -                                        |      |
| Giere 1970   | North Sea                                         | Germany          | sand                                     |      |
| Rachor 1970  | Baltic Sea; North Sea                             | Germany          | no data                                  |      |
| Warwick 1971 | Lympstone, Exe estuary, English Channel           | United Kingdom   | sand                                     |      |
| Hope and Murphy 1972 |                              | -                | -                                        |      |
| Hope 1974    | -                                                  | -                | -                                        |      |
| Gerlach and Riemann 1974 |                              | -                | -                                        |      |
| Warwick and Gage 1975 | Loch Etive, Scotland                              | United Kingdom   | surface                                 |      |
| Belogurov and Belogurova 1977a |                              | -                | -                                        |      |
| Belogurov and Belogurova 1977b |                              | -                | -                                        |      |
| Belogurov and Belogurova 1978a |                              | -                | -                                        |      |
| Reference | Location | Country | Depth | Notes |
|-----------|----------|---------|-------|-------|
| Belogurov and Belogurova 1978b | - | - | - | x |
| Belogurov 1978 | Iturup, Kuril Islands, North Pacific Ocean | Russia | subtidal | x |
| Belogurov and Belogurova 1979 | - | - | - | x |
| Belogurova and Belogurov 1979 | Kuril Islands, North Pacific Ocean | Russia | 10 m deep | x |
| Calcoen and de Kegel 1979 | Nieuwpoort-Bad, North Sea | Belgium | sand | x |
| Maertens and Coomans 1979 | - | - | - | x |
| Calcoen and de Kegel 1980 | - | - | - | x |
| Sherman and Coull 1980 | Crabhaul Creek, North Inlet, North Atlantic Ocean | United States | mud with detritus | x |
| Bouwman 1981 | Ems estuary, North Sea | Germany | intertidal sandy sediment | x |
| Blome 1982 | Sylt Island, North Sea | Germany | sand | x |
| Field et al. 1982 | Exe estuary, English Channel | United Kingdom | mud, sand | x |
| Yoshimura 1982 | - | - | - | x |
| Bouwman 1983 | same as Bouwman 1981 | | | x |
| Chabaud et al. 1983 | - | - | - | x |
| Heip et al. 1983 | - | - | - | x |
| Platt and Warwick 1983 | no data | United Kingdom | no data | x |
| Gerdes and Krumbein 1984 | - | - | - | x |
| Belogurov 1985 | - | - | - | x |
| Gerdes et al. 1985a | Mellum Island, North Sea | Germany | sand | x |
| Author(s)                        | Location                          | Region               | Habitat       | Source |
|---------------------------------|-----------------------------------|----------------------|---------------|--------|
| Gerdes et al. 1985b             | Gavish Sabkha, along Gulf of Elat, Red Sea | Egypt                | brackish      | ×      |
| Heip et al. 1985                 | -                                 | -                    | -             | ×      |
| Belogurov and Belogurova 1988    | -                                 | -                    | -             | ×      |
| Coomans et al. 1988              | -                                 | -                    | -             | ×      |
| Belogurov and Belogurova 1989    | Far East                          | Russia               | no data       | ×      |
| Furstenberg and Vincx 1989       | -                                 | -                    | -             | ×      |
| Bussau 1990a                     | Wadden Sea, North Sea              | Germany              | sand          | ×      |
| Bussau 1990b                     | same as Bussau 1990a               |                      |               | ×      |
| Kennish 1990                     | -                                 | -                    | -             | ×      |
| Mohd Long 1990                   | Forth estuary, Scotland, North Sea | United Kingdom       | mud           | ×      |
| Trett and Feil 1990              | -                                 | -                    | -             | ×      |
| Alkemade et al. 1993             | Stroodorpepolder, North Sea        | The Netherlands      | brackish, plants leaves | × |
| Clarke 1993                      | same as Warwick 1971               |                      |               | ×      |
| Soetaert et al. 1994             | Western Scheldt, North Sea         | The Netherlands      | sediment      | ×      |
| Kennedy 1995                     | Exe estuary, English Channel       | United Kingdom       | sand          | ×      |
| Soetaert et al. 1995             | Ems estuary; Somme; Western Scheldt, North Sea | Germany; France; Belgium | brackish sediment | × |
| Blome 1996                       | Borkum; Mellum; Ems estuary; Weser estuary, North Sea | Germany | intertidal sand; microbial mats | × |
| Blome and Faubel 1996            | off Kaiser-Wuhelm-Koog, Elbe estuary, North Sea | Germany | sand with mud and shells | × |
| Study                          | Location                                                        | Environment                  | Presence |
|-------------------------------|-----------------------------------------------------------------|------------------------------|----------|
| Moens and Vincx 1997          | Western Scheldt, North Sea, The Netherlands                     | Subtidal to intertidal, sand and mud | ×        |
| Platt and Ball 1997           | -                                                               | -                            | ×        |
| Travizi and Vidaković 1997    | Mirna estuary, Adriatic Sea, Mediterranean Sea, Croatia         | Silt and sand                | ×        |
| Yushin and Malakhov 1997      | -                                                               | -                            | ×        |
| Attrill 1998                  | -                                                               | -                            | ×        |
| Craig and Ashman 1998         | Solway Firth, Irish Sea, United Kingdom                        | Intertidal                   | ×        |
| Moens and Vincx 1998          | Same as Moens and Vincx 1997                                   |                              | ×        |
| Justine and Jamieson 1999     | -                                                               | -                            | ×        |
| Moens et al. 1999b            | Western Scheldt, North Sea, The Netherlands                     | Mud and coarse sand          | ×        |
| Moens et al. 1999c            | Western Scheldt, North Sea, The Netherlands                     | Intertidal mud               | ×        |
| Tita et al. 1999              | -                                                               | -                            | ×        |
| Moens et al. 2000             | Molenplaat; Paulina salt marsh, Schelde estuary, North Sea, The Netherlands | Intertidal                   | ×        |
| Litvaitis et al. 2000          | Paulina salt marsh, Schelde estuary, North Sea, The Netherlands | Silty sediment               | ×        |
| de Smet et al. 2001           | -                                                               | -                            | ×        |
| Justine 2002                  | -                                                               | -                            | ×        |
| Moens et al. 2002             | Paulina salt marsh, Schelde estuary, North Sea, The Netherlands | Brackish, lower vegetation zone | ×        |
| Tita et al. 2002              | Parc du Bic, St. Lawrence estuary, Gulf of St. Lawrence, Canada | Mud and sand                 | ×        |
| Yushin et al. 2002            | -                                                               | -                            | ×        |
| Study                                      | Location                                                                 | Sediment Type | Available Data |
|--------------------------------------------|----------------------------------------------------------------------------|----------------|----------------|
| Bilgrami and Gaugler 2004                  | -                                                                          | -              | ×              |
| Bilgrami and Gaugler 2005                  | -                                                                          | -              | ×              |
| Cook et al. 2005                           | Southend-on-Sea or Southampton, English Channel                         | United Kingdom | sediment       | ×              |
| Kathiresan and Qasim 2005                  | Andaman and Nicobar Islands, Indian Ocean                               | India          | mangrove       | ×              |
| Moens et al. 2005a                         | Paulina salt marsh, Schelde estuary, North Sea                          | The Netherlands| sediment       | ×              |
| Moens et al. 2005b                         | Western Scheldt, North Sea                                              | The Netherlands| no data        | ×              |
| Afanasiev-Grigoriev et al. 2006            | -                                                                          | -              | ×              |
| Bhadury et al. 2006a                       | England                                                                  | United Kingdom | no data        | ×              |
| Bhadury et al. 2006b                       | same as Bhadury et al. 2006a                                            |                | ×              |
| Haseman 2006                               | -                                                                        | -              | ×              |
| Krassen 2006                               | -                                                                        | -              | ×              |
| Sharma et al. 2006                         | Aransas Pass, Port Aransas, North Atlantic Ocean                       | United States  | sediment       | ×              |
| Smol and Coomans 2006                      | -                                                                        | -              | ×              |
| Bhadury et al. 2007                        | Tamar estuary, English Channel                                          | United Kingdom | no data        | ×              |
| Chinnadurai and Fernando 2007              | Vellar estuary, Bay of Bengal                                           | India          | sediment among mangrove | × |
| Meldal et al. 2007                         | Southampton Water, English Channel                                    | United Kingdom | intertidal sediment | × |
| Fonseca and Gallucci 2008                  | -                                                                        | -              | ×              |
| Reference | Location | Environment | Country | Presence |
|-----------|----------|-------------|---------|----------|
| Moodley et al. 2008 | Westerschelde estuary, North Sea | The Netherlands | mud | × |
| Semprucci et al. 2008 | - | - | - | × |
| Arigó et al. 2009 | Akrotiri Bay, Mediterranean Sea | Cyprus | sediment | × |
| Giere 2009 | - | - | - | × |
| Huang and Zhang 2009 | - | - | - | × |
| Leduc 2009 | - | - | - | × |
| Bik et al. 2010a | no data | - | no data | × |
| Vandepitte et al. 2010 | - | - | - | × |
| dos Santos and Moens 2011 | - | - | - | × |
| Sminova and Fadeeva 2011 | Japan Sea | Russia | sandy sediment | × |
| Shokoohi et al. 2013 | - | - | - | × |
| Shoshin 2013 | - | - | - | × |
| Gibson and Fuentes 2014 | - | - | - | × |
| Smol et al. 2014 | - | - | - | × |
| Shimada and Kajihara 2014 | - | - | - | × |
| Mordukhovich et al. 2015 | - | - | - | × |

**Adoncholaimus aralensis** Filipjev, 1924

**Nomenclature:**
Incorrect subsequent spelling: *Adoncholaimus araliensis* in Kreis (1934)

**Etymology:** adjective, Aral (type locality) + *ensis, -is, -e* (Latin, suffix)

**Notes:** Holotype: unknown

**References:** see Table 3
### Table 3.

References of *Adoncholaimus aralensis*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection          | Locality                  | Country       | Habitat       | T | E | M | O | C |
|---------------------------|---------------------|---------------------------|---------------|---------------|---|---|---|---|---|
| Filipjev 1924             | Aralsk landing      | Kazakhstan                | Aral Sea      | brackish      |   |   |   |   | × |
| Kreis 1934 (A. araliensis)| -                   | -                         | -             | -             |   |   |   |   | × |
| Schneider 1937            | -                   | -                         | -             | -             |   |   |   |   | × |
| Rachor 1969               | -                   | -                         | -             | -             |   |   |   |   | × |
| Gerlach and Riemann 1974  | -                   | -                         | -             | -             |   |   |   |   | × |
| Tchesunov 1976            | Caspian Sea         | USSR                      | brackish      |               |   |   |   |   | × |
| Gagarin 1978              | Astrakhan           | Russia                    | freshwater    |               |   |   |   |   | × |
| Belogurov and Belogurova 1979 | -                 | -                         | -             | -             |   |   |   |   | × |
| Belogurova and Belogurov 1979 | Urup, Kuril Islands| Russia                    | subtidal      |               |   |   |   |   | × |
| Mordukhai-Boltovskoi 1979 | Caspian Sea         | USSR                      | brackish      |               |   |   |   |   | × |
| Tsalolikhin 1979           | Lake Issyk-Kul      | Kyrgyzstan                | brackish      |               |   |   |   |   | × |
| Gagarin 1981               | -                   | -                         | -             | -             |   |   |   |   | × |
| Tsalolikhin 1982           | -                   | -                         | -             | -             |   |   |   |   | × |
| Tchesunov 1983             | Caspian Sea         | -                         | brackish      |               |   |   |   |   | × |
| Belogurov and Belogurova 1988 | -                 | -                         | -             | -             |   |   |   |   | × |
| Gagarin and Nguyen 2003    | -                   | -                         | -             | -             |   |   |   |   | × |
| Smol and Coomans 2006      | -                   | -                         | -             | -             |   |   |   |   | × |
| Mokievsky 2009             | -                   | -                         | -             | -             |   |   |   |   | × |
**Adoncholaimus crassicaudus** Wieser, 1953

**Nomenclature:**
Etymology: adjective, *crassus, -a, -um* (Latin, "thick") + *cauda* (Latin, "tail") + *us, a, um* (Latin, suffix)

**Notes:** Holotype: unknown

References: see Table 4

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**Table 4.**
References of *Adoncholaimus crassicaudus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; I, Fixation method; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference            | Collection                                      | T   | E | M | O | C |
|----------------------|-------------------------------------------------|-----|---|---|---|---|
|                      | Locality                                       |     |   |   |   |   |
|                      | Country                                         |     |   |   |   |   |
|                      | Habitat                                         |     |   |   |   |   |
|                      | D      | G   | R  | L  | N  | P  | F  |
| Wieser 1953          | San Antonio, Valparais, South Pacific Ocean     |     |   |   |   |   |   |
|                      | Chile                                          |     |   |   |   |   |   |
|                      | intertidal, filamentous green algae             |     |   |   |   |   | ×  |
| Mawson 1958          | Kerguelen Islands, Indian Ocean; Macquarie Island, South Pacific Ocean |     |   |   |   |   |   |
|                      | French Southern and Antarctic Lands             |     |   |   |   |   |   |
|                      | intertidal to 69 m deep, rock; green algae; seaweeds |     |   |   |   |   | ×  |
| Wieser 1959          | same as Wieser 1953                            |     |   |   |   |   | ×  |
| Rachor 1969          | -                                              |     |   |   |   |   |   |
|                      | -                                              |     |   |   |   |   |   |
|                      | -                                              |     |   |   |   |   |   |
|                      | -                                              |     |   |   |   |   |   |
| Timm and Hackney 1969| Bodega Bay, California                          |     |   |   |   |   |   |
|                      | United States algae                            |     |   |   |   |   | I  |
| Reference | Collection | T | E | M | O | C |
|-----------|------------|---|---|---|---|---|
|           | Locality   | Country | Habitat | D | G | R | L | N | P | F |
| Shimada and Kajihara 2014 | Daikoku Island, Hokkaido, North Pacific Ocean | Japan | intertidal mud in seagrass bed | × |
| Mordukhovich et al. 2015 | - | - | - | × |

**Adoncholaimus daikokuensis** Shimada and Kajihara, 2014

**Nomenclature:**
Etymology: adjective, Daikoku (type locality) + *ensis*, -*is*, -*e* (Latin, suffix)

**Notes:** Holotype: ICHUM (formerly ZIHU) 4162, Hokkaido University Museum, Sapporo, Japan

References: see Table 5
**Adoncholaimus derjugini** (Ssaweljev, 1912) Filipjev, 1924

**Nomenclature:**

Synonym: *Oncholaimus derjugini* Ssaweljev, 1912

Etymology: genitive noun, K. Derjugin (person) + *i* (Latin, suffix)

**Notes:** Holotype: unknown

**References:** see Table 6

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### Table 6.

References of *Adoncholaimus derjugini*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference | Collection | T | E | M | O | C |
|-----------|------------|---|---|---|---|---|
| Ssaweljev 1912 *(O. derjugini)* | Mogil'noye Bay, Kildin Island, Barents Sea | Russia | no data | x |
| Filipjev 1924 | - | - | - | x |
| Filipjev 1925 | - | - | - | x |
| Kreis 1934 | - | - | - | x |
| Allgén 1957 | - | - | - | x |
| Rachor 1969 | - | - | - | x |
| Gerlach and Riemann 1974 | - | - | - | x |
| de Smet et al. 2001 | - | - | - | x |
| Shimada and Kajihara 2014 | - | - | - | x |
| Mordukhovich et al. 2015 | - | - | - | x |

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**Adoncholaimus exoptatus** Belogurova and Belogurov, 1974

**Nomenclature:**

Etymology: adjective, *exoptatus*, -a, -um (Latin, "greatly desired, longed for")?

**Notes:** Holotype: Institute of Marine Biology of the Far Eastern Branch, USSR Academy of Sciences, Vladivostok, USSR
References: see Table 7

Table 7.
References of *Adoncholaimus exoptatus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection                             | T | E | M | O | C |
|----------------------------|----------------------------------------|---|---|---|---|---|
| Belogurova and Belogurov 1974 | Itrup, Kuril Islands, North Pacific Ocean | Russia | rhizoids of subtidal algae | × | | |
| Belogurov and Belogurova 1977a | - | - | - | × | | |
| Belogurov and Belogurova 1977d | - | - | - | × | | |
| Belogurov and Belogurov 1979 | - | - | - | × | | |
| Belogurova and Belogurov 1979 | Kuril Islands, North Pacific Ocean | Russia | subtidal to intertidal, sand among seagrasses and stones | × | | |
| Smolyanko and Belogyrov 1987 | - | - | - | × | | |
| Belogurov and Belogurova 1988 | - | - | - | × | | |
| Belogurov and Belogurova 1989 | Far East | Russia | no data | × | | |
| Shoshin 2013 | - | - | - | × | | |
| Smol et al. 2014 | - | - | - | × | | |
| Shimada and Kajihara 2014 | - | - | - | × | | |
| Mordukhovich et al. 2015 | - | - | - | × | | |

*Adoncholaimus fervidus* Kirjanova, 1955

Nomenclature:
Etymology: adjective, *fervidus*, -a, -um (Latin, "fiery")?
Notes: Holotype: unknown

References: see Table 8

Table 8.
References of Adoncholaimus fervidus. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection                                    | T | E | M | O | C |
|----------------------------|-----------------------------------------------|---|---|---|---|---|
| Kirjanova 1955             | Japan Sea, Russia among algae                  |   |   |   |   | x |
| Kirjanova 1966             | same as Kirjanova 1955                        |   |   |   |   | x |
| Belogurov and Belogurov 1974 | Iturup, Kuril Islands, North Pacific Ocean     |   |   |   |   | x |
| Belogurov and Belogurova 1977a | -                                             |   |   |   |   | x |
| Belogurov and Belogurova 1977d | -                                             |   |   |   |   | x |
| Belogurov and Belogurova 1979 | Kuril Islands, North Pacific Ocean             |   |   |   |   | x |
| Belogurov and Belogurova 1979 | Kuril Islands, North Pacific Ocean             |   |   |   |   | x |
| Smolyanko and Belogyrov 1987 | -                                             |   |   |   |   | x |
| Belogurov and Belogurova 1988 | -                                             |   |   |   |   | x |
| Belogurov and Belogurova 1989 | Far East, Russia no data                       |   |   |   |   | x |
| Pavlyuk et al. 2007a        | Amur Bay, Japan Sea                            |   |   |   |   | x |
| Pavlyuk et al. 2007b        | same as Pavlyuk et al. 2007a                   |   |   |   |   | x |
| Ivanova et al. 2008         | Amur Bay, Japan Sea                            |   |   |   |   | x |
| Reference                          | Collection                               | T | E | M | O | C |
|-----------------------------------|------------------------------------------|---|---|---|---|---|
| Pavlyuk et al. 2009               | Peter the Great Bay, Japan Sea           |   |   |   |   |   |
| Belogurova 2010                   | Amur Bay; Kozmino, Japan Sea             |   |   |   |   |   |
| Zvyagintsev and Moshchenko 2010   | Vladivostok Russia                       |   |   |   |   |   |
| Shoshin 2013                      | -                                        |   |   |   |   |   |
| Shimada and Kajihara 2014         | -                                        |   |   |   |   |   |
| Mordukhovich et al. 2015          | -                                        |   |   |   |   |   |

**Adoncholaimus filicauda** (Galtsova, 1976) Shimada and Kajihara, 2014

**Nomenclature:**

Synonym: *Metoncholaimoides filicauda* Galtsova, 1976

Etymology: appositive noun, *filum* (Latin, "thread") + *cauda* (Latin, "tail")

**Notes:** Holotype: Collection No. 10, Institute of Zoology, USSR Academy of Sciences, Leningrad, USSR

References: see Table 9

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Table 9.

References of *Adoncholaimus filicauda*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                          | Collection                               | T | E | M | O | C |
|-----------------------------------|------------------------------------------|---|---|---|---|---|
| Galtsova 1976 (M. filicauda)      | White Sea Russia intertidal silty sand   |   |   |   |   |   |
| Belogurov and Galtsova 1983       | -                                        |   |   |   |   |   |
| Galtsova 1985 (M. filicauda)      | same as Galtsova 1976                    |   |   |   |   |   |
| Shimada and Kajihara 2014         | -                                        |   |   |   |   |   |
| Mordukhovich et al. 2015          | -                                        |   |   |   |   |   |
Adoncholaimus indicus (von Linstow, 1907) Filipjev, 1918

Nomenclature:
Synonym: Oncholaimus indicus von Linstow, 1907
Etymology: adjective, indicus, -a, -um (Latin, "Indian")

Notes: Holotype: unknown

References: see Table 10

Table 10.
References of Adoncholaimus indicus. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection                     | T | E | M | O | C |
|----------------------------|--------------------------------|---|---|---|---|---|
| von Linstow 1907 (O. indicus) | Conning, Matla, Bay of Bengal |   |   |   |   | x |
| Stewart 1914a (O. indicus)   | Conning, Matla, Bay of Bengal |   |   |   |   | x |
| Stewart 1914b (O. indicus)   | -                             |   |   |   |   | x |
| Filipjev 1918               | -                             |   |   |   |   | x |
| Filipjev 1924               | -                             |   |   |   |   | x |
| Menzel 1925                 | -                             |   |   |   |   | x |
| Allgén 1934c                | -                             |   |   |   |   | x |
| Kreis 1934                  | -                             |   |   |   |   | x |
| Schneider 1937 (O. indicus)  | -                             |   |   |   |   | x |
| Filipjev 1968               | -                             |   |   |   |   | x |
| Gerlach and Riemann 1974    | -                             |   |   |   |   | x |
| Kathiresan and Qasim 2005 (O. indicus) | - |   |   |   | x |
| Shimada and Kajihara 2014   | -                             |   |   |   |   | x |
| Mordukhovich et al. 2015    | -                             |   |   |   |   | x |
**Adoncholaimus islandicus** Kreis, 1963

**Nomenclature:**
Etymology: adjective, *islandicus*, -a, -um (Latin, "Icelandic")

**Notes:** Holotype: unknown

**References:** see Table 11

### Table 11.
References of *Adoncholaimus islandicus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference | Collection | T | E | M | O | C |
|-----------|------------|---|---|---|---|---|
| Locality | Country | Habitat | D | G | R | L | N | P | F |
| Kreis 1963 | Eyja Fjord, Greenland Sea | Iceland mud | | | | | | | x |
| Rachor 1969 | - | - | - | - | - | | | | x |
| Gerlach and Riemann 1974 | - | - | - | - | - | | | | x |
| Belogurov and Belogurova 1977a | - | - | - | - | - | | | | x |
| Belogurov and Belogurova 1977d | - | - | - | - | - | | | | x |
| Belogurov and Belogurova 1978a | - | - | - | - | - | | | | x |
| Belogurov and Belogurova 1978b | - | - | - | - | - | | | | x |
| Belogurov and Belogurova 1979 | - | - | - | - | - | | | | x |
| Alekseyev and Dizendorf 1981 | near Aniva Bay, Sakhalin, Sea of Okhotsk | Russia mud with detritus, 0.6 m deep | | | | | | | x |
| Furstenberg and Vincx 1989 | - | - | - | - | - | | | | x |
| de Smet et al. 2001 | - | - | - | - | - | | | | x |
| Smol and Coomans 2006 | - | - | - | - | - | | | | x |
Adoncholaimus lepidus (de Man 1889) Filipjev, 1918

Nomenclature:
Synonym: Oncholaimus lepidus de Man, 1889
non Oncholaimus lepidus sensu Schneider (1906): see Adoncholaimus thalassophygas
nec Adoncholaimus lepidus sensu Warwick and Gage 1975: see Adoncholaimus panicus

Synonym?: Metoncholaimoides filicauda Wieser 1953 [by Belogurov and Galtsova (1983), not followed by Shimada and Kajihara (2014)]

Etymology: adjective, lepidus, -a, -um (Latin, "agreeable")?

Notes: Holotype: unknown

References: see Table 12

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Table 12.
References of Adoncholaimus lepidus. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy; V, developmental biology.

| Reference              | Collection                      | T | E | M | O | C |
|------------------------|---------------------------------|---|---|---|---|---|
| de Man 1889b (O. lepidus) | Walcheren, North Sea The Netherlands brackish soil among plant roots | - | - | - | - | × |
| von Linstow 1889 (O. lepidus) | - | - | - | - | × |
| Steiner 1917 (O. lepidus) | - | - | - | - | × |
| Filipjev 1918 | - | - | - | - | × |
| Micoletzky 1921 (O. lepidus) | - | - | - | - | × |
| de Man 1922b (O. lepidus) | - | - | - | - | × |
| Author(s) and Year | Location | Environment | Notes |
|--------------------|----------|-------------|-------|
| Steiner 1922 (O. lepidus) | - | - | × |
| Filipjev 1924 | - | - | × |
| Allgén 1929b (O. lepidus) | - | - | × |
| Allgén 1929c (O. lepidus) | - | - | × |
| Allgén 1933 (O. lepidus) | - | - | × |
| de Coninck and Schuurmans Stekhoven 1933 | - | - | × |
| von Wülker and Schuurmans Stekhoven 1933 | - | - | × |
| Allgén 1934c (O. lepidus) | - | - | × |
| Kreis 1934 | - | - | × |
| Schulz 1935a (O. lepidus) | Kiel Bay, Baltic Sea (in Gerlach and Riemann 1974) | Germany coastal groundwater | × |
| Schuurmans Stekhoven 1935a | Zuiderzee, North Sea | The Netherlands no data | × |
| Schuurmans Stekhoven et al. 1935 | Zuiderzee, North Sea | The Netherlands no data | × |
| Schuurmans Stekhoven 1936b | - | - | × |
| Schneider 1939 | - | - | × |
| de Coninck 1943 | Cape Reykjanes, North Atlantic Ocean | Iceland wet terrestrial soil near brackish pond | × |
| de Coninck 1944 | same as de Coninck 1943 | | × |
| Gerlach 1949 | Kiel Bay, Baltic Sea | Germany otoplana zone and wet sand | × |
| Goodey 1951 (O. lepidus) | - | - | × |
| Reference | Location | Country | Habitat | Note |
|-----------|----------|---------|---------|------|
| Timm 1952 | Chesapeake Bay, North Atlantic Ocean | United States | no data | × |
| Gerlach 1953a | Tvärminne, Gulf of Finland, Baltic Sea | Finland | otoplana zone; groundwater | × |
| Gerlach 1953b | Kiel Bay, Baltic Sea | Germany | sand | × |
| Wieser 1953 | - | - | - | × |
| Gerlach 1954a | - | - | - | × |
| Gerlach 1954b | - | - | - | × |
| Gerlach 1954c | - | - | - | × |
| Brinck et al. 1955 | Simrishamn Beach, Scania, Baltic Sea | Sweden | coastal groundwater | × |
| Delamare Deboutville et al. 1955 | - | - | - | × |
| Gerlach 1958 | - | - | - | × |
| Remane and Schlieper 1958 | - | - | - | × |
| Gerlach 1959 | - | - | - | × |
| Delamare Deboutville 1960 | - | - | - | × |
| Paramonov 1962 (O. lepidus) | - | - | - | × |
| Goodey and 1963 (O. lepidus) | - | - | - | × |
| Bilio 1966 | - | - | - | × |
| Bilio 1967 | - | - | - | × |
| Filipjev 1968 | - | - | - | × |
| Paramonov 1968 (O. lepidus) | - | - | - | × |
| Lorenzen 1969 | Schleswig-Holsteinischen | Germany | plants in brackish salt marsh | × |
| Rachor 1969 | same as Rachor 1970 | | | × |
| Rachor 1970 | Kiel Bay, Baltic Sea | Germany | groundwater, sand and gravel | × |
| Remane and Schlieper 1971 | - | - | - | × |
| Author(s)                                      | Location          | Depth       | Data Availability | Status |
|-----------------------------------------------|-------------------|-------------|-------------------|--------|
| Gerlach and Riemann 1974                      |                   |             |                   |        |
| Aminova and Galtsova 1978                     | Chupa, Kandalaksha Gulf, White Sea | Russia | 30–40 m deep |        |
| Belogurov and Galtsova 1983                   | White Sea         | Russia      | no data           |        |
| Heip et al. 1983                              |                   |             |                   |        |
| Platt and Warwick 1983                       |                   |             |                   |        |
| Belogurov and Belogurova 1988                 |                   |             |                   |        |
| Belogurov and Belogurova 1989                 | Far East          | Russia      | no data           |        |
| Furstenberg and Vincx 1989                    |                   |             |                   |        |
| Voronov and Panchin 1995                      | Kandalaksha Gulf, White Sea | Russia | near White Sea Biological Station | V |
| Platt and Ball 1997                           |                   |             |                   |        |
| de Smet et al. 2001                           |                   |             |                   |        |
| Gagarin and Nguyen 2003                       |                   |             |                   |        |
| Smol and Coomans 2006                         |                   |             |                   |        |
| Shimada and Kajihara 2014                     |                   |             |                   |        |
| Mordukhovich et al. 2015                      |                   |             |                   |        |

**Adoncholaimus longicaudatus** Paramonov, 1929

**Nomenclature:**

Etymology: adjective, *longus, -a, -um* (Latin, "long") + *caudatus, -a, -um* (Latin, "tailed")

**Notes:** Holotype: unknown

References: see Table 13
Adoncholaimus longispiculatus Gagarin and Nguyen, 2007

Nomenclature:
incorrect subsequent spelling: Adoncholaimus longicaudatus in Nguyen and Gagarin (2013a)

Etymology: adjective, longus, -a, -um (Latin, "long") + spiculatus, -a, -um (Latin, "spiculed")

Notes: Holotype: Institute for Biology of Inland Waters, Russian Academy of Sciences, Borok, Russia

References: see Table 14
Adoncholaimus oxyuroideos (Allgén, 1934) Gerlach and Riemann, 1974

Nomenclature:
Synonym: Oncholaimus oxyuroideos Allgén, 1934
Etymology: adjective, Oncholaimus oxyuris (species name) + oides (Latin, "resembling")

Notes: Holotype: unknown

References: see Table 15

Table 15.
References of Adoncholaimus oxyuroideos. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                     | Collection                        | T | E | M | O | C |
|-------------------------------|-----------------------------------|---|---|---|---|---|
| Allgén 1934c (O. oxyuroideos) | Trelleborg to Ystad, Baltic Sea   |   |   |   |   |   |
|                               | Sweden                            |   |   |   |   |   |
|                               | brackish plant roots              |   |   | × |   |   |
| Allgén 1950a (O. oxyuroideos) | Bondhålet, Baltic Sea             |   |   |   |   |   |
|                               | Sweden                            |   |   |   |   |   |
|                               | brackish plant roots              |   |   | × |   |   |
| Wieser 1953                   | -                                 |   |   |   |   | × |
| Gerlach and Riemann 1974      | -                                 |   |   |   |   | × |
| Shimada and Kajihara 2014     | -                                 |   |   |   |   | × |
Adoncholaimus panicus Cobb, 1930

Nomenclature:
Synonym: Adoncholaimus lepidus sensu Warwick and Gage (1975) [by Platt and Warwick (1983)]
Etymology: adjective, panicus, -a, -um (Latin, "panicky")?

Notes: Holotype: unknown

References: Holotype: unknown

Table 16.
References of Adoncholaimus panicus. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                    | Collection                | T | E | M | O | C |
|------------------------------|---------------------------|---|---|---|---|---|
| Cobb 1930                    | no data (Massachusetts? in Gerlach and Riemann 1974) |   |   |   |   | × |
| Chitwood 1951                | Woods Hole, Massachusetts, North Atlantic Ocean |   |   |   |   | × |
| Kreis 1934                   | -                         |   |   |   |   | × |
| Dollfus 1946                 | -                         |   |   |   |   | × |
| Rachor 1969                  | same as Rachor 1970       |   |   |   |   | × |
| Rachor 1970                  | Schilksee, Kiel Bay, Baltic Sea, Germany |   |   | sand and gravel, 20–50 cm deep from surface | × |
| Gerlach and Riemann 1974     | -                         |   |   |   |   | × |
| Warwick and Gage 1975 (A. lepidus) | Loch Etive, Scotland, United Kingdom | 0–2 m deep | × |
| Belogurov and Belogurova 1977a | -                         |   |   |   |   | × |
| Authors                        | Location 1 | Location 2 | Notes     | Reference           |
|-------------------------------|------------|------------|-----------|---------------------|
| Belogurov and Belogurova 1977d | -          | -          | -         | ×                   |
| Belogurov and Belogurova 1978a | -          | -          | -         | ×                   |
| Belogurov and Belogurova 1978b | -          | -          | -         | ×                   |
| Belogurov and Belogurova 1979 | -          | -          | -         | ×                   |
| Chabaud et al. 1983           | -          | -          | -         | ×                   |
| Heip et al. 1983              | -          | -          | -         | ×                   |
| Platt and Warwick 1983        | same as Warwick and Gage 1975 | -          | -         | ×                   |
| Belogurov and Belogurova 1988 | -          | -          | -         | ×                   |
| Belogurov and Belogurova 1989 | Far East   | Russia     | no data   | ×                   |
| Furstenberg and Vincx 1989    | -          | -          | -         | ×                   |
| Platt and Ball 1997           | -          | -          | -         | ×                   |
| de Smet et al. 2001           | -          | -          | -         | ×                   |
| Shimada and Kajihara 2014     | -          | -          | -         | ×                   |
| Mordukhovich et al. 2015      | -          | -          | -         | ×                   |

**Adoncholaimus parvus** Gagarin and Nguyen, 2003

**Nomenclature:**

Etymology: adjective, *parvus*, -a, -um (Latin, "panicky")?

**Notes:** Holotype: Institute for Biology of Inland Waters, Russian Academy of Sciences, Borok, Russia

**References:** see Table 17
| Reference                    | Collection                      | T | E | M | O | C |
|------------------------------|---------------------------------|---|---|---|---|---|
| Gagarin and Nguyen 2003      | Nhue River, Hanoi, Vietnam      |   |   |   |   | X |
| Gagarin and Nguyen 2008a     | Red River Delta, Bat Lat, Vietnam |   |   |   |   | X |
| Gagarin and Nguyen 2008b     | Chu River, Thanh Hoa, Vietnam   |   |   |   |   |   |
| Gagarin and Nguyen 2008c     | same as Gagarin and Nguyen 2008a |   |   |   |   | X |
| Gagarin and Nguyen 2008d     | same as Gagarin and Nguyen 2008b |   |   |   |   | X |
| Gagarin and Nguyen 2012a     | Tra Ly River, Thai Binh, Vietnam |   |   |   |   | X |
| Gagarin and Nguyen 2012b     | same as Gagarin and Nguyen 2012a |   |   |   |   | X |
| Nguyen and Gagarin 2013a     | -                               |   |   |   |   | X |
| Nguyen and Gagarin 2013b     | -                               |   |   |   |   | X |
| Smol et al. 2014             | -                               |   |   |   |   | X |
| Shimada and Kajihara 2014    | -                               |   |   |   |   | X |
| Mordukhovich et al. 2015     | -                               |   |   |   |   | X |

**Adoncholaimus pseudofervidus** Shimada and Kajihara, 2014

**Nomenclature:**

Etymology: adjective, *pseudo* (Latin, “fake”) + *Adoncholaimus fervidus* (species name)

**Notes:** Holotype: ICHUM (formerly ZIHU) 4184, Hokkaido University Museum, Sapporo, Japan
References: see Table 18

Table 18.
References of *Adoncholaimus pseudofervidus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                        | Collection                  | T | E | M | O | C |
|----------------------------------|-----------------------------|---|---|---|---|---|
| Shimada and Kajihara 2014        | Mukawa, Hokkaido, North Pacific Ocean |   |   |   |   | x |
| Mordukhovich et al. 2015         | -                          |   |   |   |   | x |

*Adoncholaimus punctatus* (Cobb, 1914) Filipjev, 1924

**Nomenclature:**

Synonym: *Oncholaimus punctatus* Cobb, 1914

Etymology: adjective, *punctatus*, -a, -um (Latin, "pointed")

**Notes:** Holotype: unknown

References: see Table 19

Table 19.
References of *Adoncholaimus punctatus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                        | Collection                  | T | E | M | O | C |
|----------------------------------|-----------------------------|---|---|---|---|---|
| Cobb 1914 (*O. punctatus*)       | Cape Breton Island, North Atlantic Ocean |   |   |   |   | x |
| Steiner 1917 (*O. punctatus*)    | -                          |   |   |   |   | x |
| Cobb 1918 (*O. punctatus*)       | -                          |   |   |   |   | x |
| Micoletzky 1921 (*O. punctatus*) | -                          |   |   |   |   | x |
### Adoncholaimus quadriporus Belogurova and Belogurov, 1974

**Nomenclature:**

Etymology: appositive noun, *quadri* (Latin, "four") + *porus* (Latin, "pore")

**Notes:** Holotype: Institute of Marine Biology of the Far Eastern Branch, USSR Academy of Sciences, Vladivostok, USSR

**References:** see Table 20

| Author(s)             | Year | Location          | Source            |
|-----------------------|------|-------------------|-------------------|
| Filipjev              | 1924 | -                 | ×                 |
| Menzel                | 1925 | -                 | ×                 |
| Imamura (O. punctatus)| 1931 | Komaba, Tokyo, Japan terrestrial soil | × |
| Kreis                 | 1934 | -                 | ×                 |
| Chitwood              | 1951 | -                 | ×                 |
| Goodey (O. punctatus) | 1951 | -                 | ×                 |
| Wieser                | 1953 | -                 | ×                 |
| Paramonov             | 1962 | -                 | ×                 |
| Paramonov             | 1968 | -                 | ×                 |
| Rachor                | 1969 | -                 | ×                 |
| Gerlach and Riemann   | 1974 | -                 | ×                 |
| Tsalolikhin           | 1982 | -                 | ×                 |
| Esser and Buckingham  | 1987 | -                 | ×                 |
| (O. punctatus)        |      |                   |                   |
| Smol and Coomans      | 2006 | -                 | ×                 |
| Shimada and Kajihara  | 2014 | -                 | ×                 |
| Mordukhovich et al.   | 2015 | -                 | ×                 |
Table 20. References of *Adoncholaimus quadriporus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                      | Collection              | T | E | M | O | C |
|-------------------------------|-------------------------|---|---|---|---|---|
| Belogurova and Belogurov 1974 | Itrup, Kuril Islands, North Pacific Ocean | Russia | intertidal sand among barnacles | × |
| Belogurov and Belogurova 1977a | -                       | - | - | - | - | × |
| Belogurov and Belogurova 1977d | -                       | - | - | - | - | × |
| Belogurov and Belogurova 1978a | -                       | - | - | - | - | × |
| Belogurov and Belogurova 1978b | -                       | - | - | - | - | × |
| Belogurov and Belogurova 1979 | -                       | - | - | - | - | × |
| Belogurova and Belogurov 1979 | Kuril Islands, North Pacific Ocean | Russia | subtidal to intertidal, mud, sand, barnacles, polychaetes, and rhizoids of algae | × |
| Belogurov and Belogurova 1988 | -                       | - | - | - | - | × |
| Belogurov and Belogurova 1989 | Far East, Russia        | no data | - | - | - | × |
| Shimada 2013                  | -                       | - | - | - | - | × |
| Smol et al. 2014              | -                       | - | - | - | - | × |
| Shimada and Kajihara 2014     | -                       | - | - | - | - | × |
| Mordukhovich et al. 2015      | -                       | - | - | - | - | × |
Adoncholaimus squalus (Wieser, 1953) Shimada and Kajihara, 2014

Nomenclature:
Synonym: Metoncholaimoides squalus Wieser, 1953
incorrect subsequent spelling: Metoncholaimus squalus in Lorenzen (1976)
Etymology: appositive noun, squalus (Latin, a kind of shark)?

Notes: Holotype: unknown

References: see Table 21

Table 21.
References of Adoncholaimus squalus. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                        | Collection                      | T | E | M | O | C |
|----------------------------------|---------------------------------|---|---|---|---|---|
| Wieser 1953 (M. squalus)         | Punta Santa María; Canal FitzRoy, Strait of Magellan |   |   |   |   |   |
|                                  | Chile                           |   |   |   |   |   |
|                                  | intertidal sheltered algae and stones with rich sediment |   |   |   |   |   |
| Mawson 1958 (M. squalus)         | Kerguelen Islands, Indian Ocean; Macquarie Island, South Pacific Ocean |   |   |   |   |   |
|                                  | French Southern and Antarctic Lands |   |   |   |   |   |
|                                  | intertidal mussel bank          |   |   |   |   |   |
| Wieser 1958 (M. squalus)         | -                               |   |   |   |   | X |
| Wieser 1959 (M. squalus)         | same as Wieser 1953             |   |   |   |   | X |
| Hope and Murphy 1972 (M. squalus) | -                               |   |   |   |   | X |
| Gerlach and Riemann 1974 (M. squalus) | -                               |   |   |   |   | X |
| Galtsova 1976 (M. squalus)       | -                               |   |   |   |   | X |
| Lorenzen 1976 (M. squalus)       | -                               |   |   |   |   | X |
| Belogurov and Belogurova 1978a (M. squalus) | -                               |   |   |   |   | X |
| Authors                     | Region/Location                | Host          | Notes     |
|-----------------------------|--------------------------------|---------------|-----------|
| Belogurov and Belogurova 1978b (M. squalus) | -                              | -             | x         |
| Galtsova 1985 (M. squalus)   | -                              | -             | x         |
| Belogurov and Belogurova 1989 (M. squalus) | Far East, Russia | no data     | x         |
| Greenslade 1989 (M. squalus) | -                              | -             | x         |
| Pastor de Ward 1993 (M. squalus) | Deseado estuary, Santa Cruz, South Atlantic Ocean | Argentina, intertidal algae | x         |
| Pastor de Ward 1998 (M. squalus) | Deseado estuary, Santa Cruz, South Atlantic Ocean | Argentina, algae | x         |
| Smol and Coomans 2006 (M. squalus) | -                              | -             | x         |
| Ingels et al. 2014 (M. squalus) | -                              | -             | x         |
| Smol et al. 2014 (M. squalus) | -                              | -             | x         |
| Shimada and Kajihara 2014    | -                              | -             | x         |
| Mordukhovich et al. 2015     | -                              | -             | x         |

**Adoncholaimus thalassophygas** (de Man, 1876) Filipjev, 1918

**Nomenclature:**

Synonym: *Oncholaimus thalassophygas* de Man, 1876

Synonym: *Adoncholaimus thalassophygas* tvaerminneanus Schneider, 1926 = *Oncholaimus lepidus* sensu Schneider 1906 [by Filipjev (1929b)]

Etymology: appositive noun, θάλασσα (Greek, "sea") + Φυγάς (Greek, "fugitive")

**Notes:** Holotype: unknown

References: see Table 22
Table 22.
References of *Adoncholaimus thalassophygas*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; S, physiology; T, taxonomy.

| Reference                          | Collection                      | T | E | M | O | C |
|-----------------------------------|---------------------------------|---|---|---|---|---|
| de Man 1876b (O. thalassophygas)  | Walcheren, Middelburg, North Sea | - | - | - | - | - |
| de Man 1876a (O. thalassophygas)  | Walcheren, Middelburg, North Sea | - | - | - | - | - |
| de Man 1881 (O. thalassophygas)   | Walcheren, Middelburg, North Sea | - | - | - | - | - |
| de Man 1884 (O. thalassophygas)   | same as de Man 1881             | - | - | - | - | - |
| de Man 1886 (O. thalassophygas)   | -                               | - | - | - | - | - |
| de Man 1889b (O. thalassophygas)  | Walcheren, Middelburg, North Sea | - | - | - | - | - |
| von Linstow 1889 (O. thalassophygas) | -                          | - | - | - | - | - |
| von Linstow 1890 (O. thalassophygas) | -                          | - | - | - | - | - |
| Schneider 1906 (O. lepidus, O. thalassophygas) | Tvärminne, Gulf of Finland, Baltic Sea | - | - | - | - | - |
| Ditlevsen 1911 (O. thalassophygas) | Hellerup, Øresund              | - | - | - | - | - |
| Vanhöfen 1917 (O. thalassophygas) | Vistula Lagoon, Baltic Sea      | - | - | - | - | - |
| Filipjev 1918                     | -                               | - | - | - | - | - |
| de Man 1919 (O. thalassophygas)   | same as de Man 1884             | - | - | - | - | - |
| Micoletzky 1921 (O. thalassophygas) | -                          | - | - | - | - | - |
| Collector    | Location                      | Environment            | Notes            |
|-------------|-------------------------------|------------------------|-----------------|
| de Man 1922a | Urk, Zuiderzee, North Sea     | The Netherlands        | no data         |
| Steiner 1922 | -                             | -                      | ×               |
| Filipjev 1924 | -                             | -                      | ×               |
| Schneider 1925a | Oldeslo, Holstein | Germany | saltwater spring | × |
| Schneider 1925b | -                             | -                      | ×               |
| Riech 1926   | -                             | -                      | ×               |
| Schneider 1926 (A. t. tvaerminneanus) | Tvärminne, Finland Bay, Baltic Sea | Finland | brackish         | × |
| Allgén 1927  | Barsebäck; Pihaken, Øresund  | Sweden                 | mud and green algae; 8–20 m deep | × |
| Ditlevsen 1927 | -                             | -                      | ×               |
| Riech 1927   | -                             | -                      | ×               |
| Schneider 1927a (A. t. tvaerminneanus) | same as Schneider 1926 | | | × |
| Schneider 1927b (A. t. tvaerminneanus) | same as Schneider 1926 | | | × |
| de Man 1928  | Caen, Ouistreham, English Channel | France | brackish         | × |
| Allgén 1929a | same as Allgén 1929b         |                        |                 |
| Allgén 1929b (O. thalassophygas) | Hälshög, Øresund | Sweden | mud, plant roots, and algae | × |
| Allgén 1929c (O. thalassophygas) | -                             | -                      | ×               |
| Filipjev 1929a | Grande Izhora, Gulf of Finland, Baltic Sea | Russia | brackish         | × |
| Filipjev 1929b | -                             | -                      | ×               |
| de Coninck 1930 | Assels, Drongen; Zwyn, Knokke | Belgium | soil            | × |
| Author(s) and Date | Location and Depth | Environment | Notes |
|-------------------|--------------------|-------------|-------|
| Schuurmans and Stekhoven 1930 | - | - | - | x |
| Allgén 1931 | - | - | - | x |
| de Coninck 1931 | - | - | - | x |
| Schuurmans and Stekhoven 1931 | Huiden, Zuiderzee, North Sea, The Netherlands | marine and brackish | x |
| Schulz 1932 | Kiel Bay, Baltic Sea, Germany | brackish sand | x |
| Allgén 1933 | Trondheims Fjord, Norwegian Sea, Norway | coastal | x |
| de Coninck and Schuurmans Stekhoven 1933 | Øresund, Belgium | brackish | x |
| Schuurmans Stekhoven 1933 | - | - | - | x |
| Sick 1933 (O. thalassophygas) | Steiner Bay, Kiel Bay, Baltic Sea, Germany | brackish detritus and algae | x |
| von Wülker and Schuurmans Stekhoven 1933 (A. t. tvaerminneanus) | - | - | - | x |
| Allgén 1934a | Skålderviken, Skåne, Kattegat, Sweden | brackish algae | x |
| Allgén 1934b | Hallands Väderö; Torekow, Skåne, Kattegat, Sweden | among plants, 0.5 m deep; shallow water seaweeds | x |
| Allgén 1934c | Trelleborg to Ystad, Baltic Sea, Sweden | brackish plant roots | x |
| Kreis 1934 | - | - | - | x |
| Remane 1934 | - | - | - | x |
| Schuurmans Stekhoven 1934 | Lemster or Urk, Zuiderzee, North Sea, The Netherlands | brackish | x |
| Allgén 1935a | Øresund, Sweden | cray, sand, stones, shells, sessile bivalves, plants and algae, 2–30 m deep | x |
| Year   | Location                          | Country     | Habitat            | Notes |
|--------|-----------------------------------|-------------|--------------------|-------|
| 1935b  | Föhr Island, North Sea            | Germany     | no data            | ×     |
| 1935a  | Zuiderzee, North Sea              | The Netherlands | no data            | ×     |
| 1935b  | Zeebrugge, North Sea              | Belgium     | no data            | x     |
| 1935a  | Zuiderzee, North Sea              | The Netherlands | no data            | x     |
| 1935   | Kiel Bay, Baltic Sea              | Germany     | no data            | ×     |
| 1936   | Amrum, North Sea                  | Germany     | sand               | ×     |
| 1936a  | -                                 | -           | -                  | x     |
| 1936b  | -                                 | -           | -                  | x     |
| 1938   | Amrum, North Sea                  | Germany     | sand               | ×     |
| 1939   | Lake Sehlendorfer;                | Germany     | brackish           | ×     |
|        | Lake Waterneverstorfers           |             |                    |       |
| 1939   | -                                 | -           | -                  | x     |
| 1940   | Heligoland, North Sea             | Germany     | archiannelids and algae | x     |
| 1941   | -                                 | -           | -                  | x     |
| 1941   | -                                 | -           | -                  | x     |
| 1942a  | Øresund                           | Belgium     | no data            | ×     |
| 1947a  | -                                 | -           | -                  | x     |
| 1947b  | Hallands Väderö; Torekov, Kattegat | Sweden | algae and seagrass roots | x     |
| 1947c  | -                                 | -           | -                  | ×     |
| 1949   | Balestrand, Norwegian Sea         | Norway      | brackish           | ×     |
| Reference | Location | Country | Habitat | Note |
|-----------|----------|---------|---------|------|
| Gerlach 1949 | Kiel Bay, Baltic Sea | Germany | sand, 1–100 m deep; otoplana zone | x |
| Allgén 1950b | Trondheims Fjord, Norwegian Sea | Norway | algae, seagrasses, and shell sand | x |
| Goodey 1951 | - | - | - | x |
| Allgén 1953 | Kristineberg to Fiskebäcksil, Skagerrak | Sweden | seagrasses | x |
| Gerlach 1953a | Gulf of Finland, Baltic Sea | Finland | sand, 1–1.5 m deep; otoplana zone | x |
| Gerlach 1953b | North Sea; Baltic Sea; Selker Noor | Germany | sand; brackish sediment | x |
| Wieser 1953 | - | - | - | x |
| Gerlach 1954b | - | - | - | x |
| Gerlach 1954c | - | - | - | x |
| Meyl 1954 | Barnstorf | Germany | salt spring | x |
| Schuurmans Stekhoven 1954 | - | - | - | x |
| Allgén 1955 | - | - | - | x |
| Meyl 1955 | Barnstorf; Sülldorf | Germany | salt spring | x |
| Paetzold 1955 | - | - | - | x |
| Schütz and Kinne 1955 | Kiel Channel | Germany | brackish | x |
| el Maghraby and Perkins 1956 | Wave Crest, Whitstable, North Sea | United Kingdom | mud on slipway | x |
| Gerlach 1958 | Flüggesand; Kieler Fjord, Baltic Sea | Germany | sand, 3–7 m deep | x |
| Paetzold 1958 | Langen Rieth, Numburg | Germany | salt spring | x |
| Remane and Schlieper 1958 | - | - | - | x |
| Year       | Location Details                      | Notes                  | Country      | Specimen Details                        |
|------------|---------------------------------------|------------------------|--------------|-----------------------------------------|
| Allgén 1959 | Cumberland, South Atlantic Ocean      | subtidal sediment     | South Georgia Islands | with stones and algae                     |
| Capstick 1959 | Blyth estuary, North Sea            | sediment               | United Kingdom |                                          |
| Gerlach 1959 | -                                    | -                      | -            | x                                       |
| Coles 1960  | Skippers Island, Thorpe le Soken, Essex, North Sea | brackish soil; marine mud | United Kingdom | x                                       |
| Loof and Oostenbrink 1961 | -                                    | -                      | -            | x                                       |
| Schütz 1963 (A. thalassophygas) | -                                    | -                      | -            | x                                       |
| de Coninck 1965 | -                                    | -                      | -            | x                                       |
| Bilio 1966  | -                                    | -                      | -            | x                                       |
| Coles 1966  | Skippers Island, Thorpe-le-Soken, Essex, North Sea | mud                   | United Kingdom | x                                       |
| Riemann 1966 | Brunsbüttel, Elbe estuary, North Sea | no data                | Germany      | x                                       |
| Schütz 1966 (A. thalassophygas) | -                                    | -                      | -            | x                                       |
| Andrássy 1967 | -                                    | -                      | -            | x                                       |
| Bilio 1967  | -                                    | -                      | -            | x                                       |
| von Thun 1967 | -                                    | -                      | -            | x                                       |
| Filipjev 1968 | -                                    | -                      | -            | x                                       |
| Lorenzen 1969 | Meldorf, North Sea                  | no data                | Germany      | x                                       |
| Rachor 1969  | same as Rachor 1970                 |                        |              | x                                       |
| Gysels 1970  | -                                    | -                      | -            | x                                       |
| Rachor 1970  | Weser River, Bremerhaven, North Sea  | bank                   | Germany      | x                                       |
| Gerlach 1971 | -                                    | -                      | -            | x                                       |
| Gerlach and Schrage 1971 | -                                    | -                      | -            | x                                       |
| Authors                  | Location                          | Country               | Remarks                  |
|-------------------------|-----------------------------------|-----------------------|--------------------------|
| Remane and Schlieper    | Weser estuary, North Sea          | Germany, brackish sand | ×                        |
| Skoolmun and Gerlach    | Exe estuary, English Channel      | United Kingdom, mud   | ×                        |
| Warwick 1971            | Groot Cat, Waasland, Overslag     | Belgium, creak        | ×                        |
| Gysels 1972a            | same as Gysels 1972b              |                       | ×                        |
| Gysels 1972b            | Weser estuary, North Sea          | Germany, brackish sand| ×                        |
| Goerke and Ernst 1975   | North Sea                         | Germany, deep sea     | S                        |
| Warwick and Gage 1975   | Loch Etive, Scotland              | United Kingdom, 0–2 m deep | ×                  |
| Wildish 1976            | Nivå, Øresund                     | Denmark, no data      | ×                        |
| Kinne 1977              | Weser estuary, Bremerhaven, North Sea | Germany, intertidal diatom film, brackish | ×                  |
| Andrássy 1978           |                                    |                       | ×                        |
| Lopez et al. 1979       | Weser estuary, Bremerhaven, North Sea | Germany, intertidal diatom film, brackish | ×                  |
| Zaika and Makarova 1979 |                                    |                       | ×                        |
| Karl 1980               |                                    |                       | S                        |
| Tsalolikhin 1980 (A. talassophygas) | Koporye, Gulf of Finland, Baltic Sea | Russia, no data | ×                        |
| Bouwman 1981            |                                    |                       | ×                        |
| Lorenzen 1981a          |                                    |                       | ×                        |
| Lorenzen 1981b          |                                    |                       | ×                        |
| Field et al. 1982       |                                    |                       | ×                        |
| Tsalolikhin 1982        |                                    |                       | ×                        |
| Study                        | Location                  | Country                | Environment       | Notes          |
|------------------------------|---------------------------|------------------------|-------------------|----------------|
| van Meel 1982                |                           |                        |                   |                |
| Bouwman 1983                 | Ems estuary, North Sea    | The Netherlands        | sediment          |                |
| Heip et al. 1983             |                           |                        |                   |                |
| Platt and Warwick 1983       |                           |                        |                   |                |
| Romeyn and Bouwman 1983      | Ems estuary, North Sea    | The Netherlands        | no data           |                |
| Schiemer et al. 1983         | Gulf of Bothnia, Baltic Sea | Finland               | sand, 5 m deep; mud, 81 m deep |                |
| Bouwman et al. 1984          | Nieuwe Statenzijl, Ems estuary, North Sea | The Netherlands | mud            |                |
| Jensen 1984                  | Gulf of Finland, Baltic Sea | Finland               | subtidal         |                |
| Eskin and Palmer 1985        | North Inlet estuary, South Carolina, North Pacific Ocean | United States | mud without vegetation |                |
| Heip et al. 1985             |                           |                        |                   |                |
| Nuss 1985                    |                           |                        |                   |                |
| Vranken et al. 1985          |                           |                        |                   |                |
| Coomans and Heyns 1986       |                           |                        |                   |                |
| Little 1986                  | Swanpool, Falmouth, English Channel | United Kingdom | brackish lagoon  |                |
| Vranken and Heip 1986a       |                           |                        |                   |                |
| Vranken and Heip 1986b       |                           |                        |                   |                |
| Jensen 1987                  |                           |                        |                   |                |
| Moore 1987                   | Firth of Forth, Scotland, North Sea | United Kingdom | brackish         |                |
| Lopez 1988                   |                           |                        |                   |                |
| Prein 1988                   |                           |                        |                   |                |
| Riemann and Schrage 1988     | Weser estuary, Bremerhaven, North Sea | Germany | intertidal mud |                |
| Reference            | Location                          | Environment           | Citation |
|----------------------|-----------------------------------|-----------------------|----------|
| Coomans 1989         | -                                 | -                     | -        |
| Furstenberg and Vincx 1989 | -                                 | -                     | -        |
| Riemann et al. 1990  | Bremerhaven, North Sea             | Germany               | intertidal mud, brackish | x        |
| Trett and Feil 1990  | -                                 | -                     | -        |
| Bongers et al. 1991  | -                                 | -                     | -        |
| Hellwig-Armonies et al. 1991 | -                                 | -                     | -        |
| Clarke 1993          | same as Warwick 1971              | -                     | x        |
| Warwick 1993         | -                                 | -                     | -        |
| Essink and Romeyn 1994 | Dollard, Westerwoldse Aa River, North Sea | The Netherlands       | intertidal sand and mud | x        |
| Lorenzen 1994        | -                                 | -                     | -        |
| Kennedy 1995         | Exe estuary, English Channel      | United Kingdom        | mud      | x        |
| Soetaert et al. 1995 | Gironde, Bay of Biscay            | France                | subtidal sediment | x        |
| Somerfield et al. 1995 | -                                 | -                     | -        |
| Vopel and Arit 1995  | Hiddensee Island, Baltic Sea       | Germany               | floating cyanobacterial mats, brackish | x        |
| Blome 1996           | Ems estuary; Dollart; Weser estuary, North Sea | Germany               | intertidal sand | x        |
| Blome and Faubel 1996 | Brokdorf; Außendeich; Mühlenstraßen; Kaiser-Wuhelm-Koog, North Sea | Germany               | sand and mud | x        |
| Jensen 1996          | -                                 | -                     | -        |
| Moens and Vincx 1997 | Western Scheldt estuary, North Sea | The Netherlands       | subtidal to high tide level, sand and mud | x        |
| Ólafsson and Elmgren 1997 | off Askö, Baltic Sea              | Sweden                | 37 m deep | x        |
| Platt and Ball 1997  | -                                 | -                     | -        |
| Author(s)          | Year   | Location                   | Habitat Description            | Reference Type |
|-------------------|--------|----------------------------|--------------------------------|----------------|
| Attrill 1998      | -      | -                          | intertidal sand and mud        | x              |
| Essink and Keidel | 1998   | Westerwoldse Aa River, North Sea | The Netherlands               |                |
| Perry and Aumann  | 1998   | -                          | -                              | x              |
| Moens et al. 1999b | -      | -                          | -                              | x              |
| Moens et al. 1999d | -      | -                          | -                              | x              |
| de Smet et al. 2001 | -      | -                          | -                              | x              |
| Höss et al. 2001  | -      | -                          | -                              | x              |
| Tchesunov 2001    | -      | -                          | -                              | x              |
| Lee 2002          | -      | -                          | -                              | x              |
| Haltzer et al. 2002 | -      | -                          | -                              | x              |
| Riemann and Helmke | 2002   | Weser estuary, Bremerhaven, North Sea | Germany intertidal, brackish | x              |
| Wetzel et al. 2002 | -      | Fährinsel Island, Baltic Sea | Germany macroalgal mats        | x              |
| Essink 2003       | -      | -                          | -                              | x              |
| Steinberg 2003    | -      | -                          | -                              | x              |
| Höckelmann et al. | 2004   | -                          | -                              | x              |
| Robinson 2004     | -      | -                          | -                              | x              |
| Arroyo et al. 2006 | -      | Åland Archipelago, Baltic Sea | Finland subtidal sand          | x              |
| Moens et al. 2006 | -      | -                          | -                              | x              |
| O'Halloran et al. | 2006   | -                          | -                              | x              |
| Smol and Coomans  | 2006   | -                          | -                              | x              |
| Filip and Claus 2008 | -      | -                          | -                              | x              |
| Arigó et al. 2009 | -      | Akrotiri Bay, Mediterranean Sea | Cyprus sediment                | x              |
| Vandepittr et al. | 2010   | -                          | -                              | x              |
| Reference                        | Collection                     | T | E | M | O | C |
|--------------------------------|-------------------------------|---|---|---|---|---|
| Olafsson et al. 2013            | Åland Archipelago, Baltic Sea |   |   |   |   | × |
| Urban-Malinga et al. 2013       | Vistula Lagoon, Baltic Sea    |   |   |   |   | × |
| Ingels et al. 2014              | -                             |   |   |   |   | × |
| Kooijman 2014                   | -                             |   |   |   |   | × |
| Shimada and Kajihara 2014       | -                             |   |   |   |   | × |
| Urban-Malinga et al. 2014       | Puck Bay, Baltic Sea          |   |   |   |   | × |
| Boufahja et al. 2015            | -                             |   |   |   |   | × |
| Hannachi et al. 2015 (O. thalassophygas) | Wadi Henna, Tunisia |   |   |   |   | × |
| Mordukhovich et al. 2015        | -                             |   |   |   |   | × |

**Adoncholaimus ussuriensis** Mordukhovich et al., 2015

**Nomenclature:**

Etymology: adjective, Ussury (type locality) + *ensis, -is, -e* (Latin, suffix)

**Notes:** Holotype: MN UY 14-2 A1, Zoological Museum of Far Eastern Federal University, Vladivostok, Russia

References: see Table 23

| Reference                        | Collection                     | T | E | M | O | C |
|--------------------------------|-------------------------------|---|---|---|---|---|
| Mordukhovich et al. 2015        | Ussury Bay, Peter the Great Bay, Japan Sea |   |   |   |   | × |
Adoncholaimus angustatus (Cobb, 1891) Filipjev, 1918

Nomenclature:
Invalid: transferred to the genus Viscosia by Kreis (1934)
Synonym: Oncholaimus angustatus Cobb, 1891
Etymology: adjective, angustatus, -a, -um (Latin, "narrowed")

Notes: Holotype: unknown

References: see Table 24

| Reference   | Collection | T | E | M | O | C |
|-------------|------------|---|---|---|---|---|
| Cobb 1891   |            |   |   |   |   |   |
| Cobb 1891 (O. angustatus) | Indian Ocean | Arabia | sand | x |
| Filipjev 1918 | - | - | - | x |

Adoncholaimus austrogeorgiae Allgén, 1959

Nomenclature:
Invalid: treated as a species inquirenda by Shimada and Kajihara (2014)
Etymology: genitive noun, Austrogeorgia (Latin, "South Georgia") + e (Latin, suffix)

Notes: Holotype: unknown

References: see Table 25
Table 25.
References of *Adoncholaimus australgeorgiae*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                       | Collection                              | T | E | M | O | C |
|---------------------------------|-----------------------------------------|---|---|---|---|---|
|                                 | Locality                                |   |   |   |   |   |
|                                 | Country                                 |   |   |   |   |   |
|                                 | Habitat                                 |   |   |   |   |   |
| Allgén 1959                     | Grytviken, South Georgia Island, South Atlantic Ocean |   |   |   |   |   |
|                                 | South Georgia and the South Sandwich Islands |   |   |   |   |   |
|                                 | kelp rhizoids                           | x |   |   |   |   |
| Gerlach and Riemann 1974        | -                                       |   |   |   |   | x |
| Ingels et al. 2014              | -                                       |   |   |   |   | x |
| Shimada and Kajihara 2014       | -                                       |   |   |   |   | x |

*Adoncholaimus bandaensis* Kreis, 1932

**Nomenclature:**
Invalid: transferred to the genus *Meyersia* by Hopper (1967); see *Meyersia bandaensis*

*Adoncholaimus chilkensis* (Stewart, 1914) Kreis, 1934

**Nomenclature:**
Invalid: treated as a *species inquirenda* by Shimada and Kajihara (2014)
Synonym: *Oncholaimus chilkensis* Stewart, 1914
Etymology: adjective, Chilka (type locality) + *ensis*, -is, -e (Latin, suffix)

**Notes:** Holotype: No. ZEV. 6237/7, Indian Museum, Kolkata, India
References: see Table 26
Table 26. References of *Adoncholaimus chilkensis*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference | Collection | T | E | M | O | C |
|-----------|------------|---|---|---|---|---|
| Stewart 1914b (O. chilkensis) | Chilka Lake, Madras, Bay of Bengal | India | filamentous algae | × |   |   |
| Annandale 1915 (O. chilkensis) | Chilka Lake, Madras, Bay of Bengal | India | sponges | × |   |   |
| Menzel 1925 (O. chilkensis) | - | - | - | × |   |   |
| Kreis 1932 (O. chilkensis) | - | - | - | × |   |   |
| Allgén 1934c (O. chilkensis) | - | - | - | × |   |   |
| Kreis 1934 | - | - | - | × |   |   |
| Baylis 1936 (O. chilkensis) | - | - | - | × |   |   |
| Panikkar and Aiyar 1937 (O. chilkensis) | - | - | - | × |   |   |
| Rachor 1969 | - | - | - | × |   |   |
| Gerlach and Riemann 1974 | - | - | - | × |   |   |
| Belogurov et al. 1980 (O. chilkensis) | - | - | - | × |   |   |
| Tsalolikhin 1982 | - | - | - | × |   |   |
| Shimada and Kajihara 2014 | - | - | - | × |   |   |
**Adoncholaimus chinensis** Huang and Zhang, 2009

**Nomenclature:**
Invalid: synonymized with *Admirandus multicavus* by Mordukhovich et al. (2015); see *Admirandus multicavus*

**Etymology:** adjective, China (type locality) + *ensis*, -*is*, -*e* (Latin, suffix)

**Notes:** Holotype: LUH 001 (LUL 08801), Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China

**Adoncholaimus falklandiae** Allgén, 1959

**Nomenclature:**
Invalid: treated as a *species inquirenda* by Shimada and Kajihara (2014)

**Etymology:** genitive noun, Falkland (type locality) + *iae* (Latin, suffix)

**Notes:** Holotype: unknown

**References:** see Table 27

| Reference                  | Collection                  | T | E | M | O | C |
|----------------------------|-----------------------------|---|---|---|---|---|
|                            | Locality | Country | Habitat | D | G | R | L | N | P | F |
| Allgén 1959                | Port William, East Falkland, South Atlantic Ocean | Falkland Islands | sand and algae, 40 m deep | × |
| Gerlach and Riemann 1974   | - | - | - | - | × |
| Ingels et al. 2014         | - | - | - | - | × |
| Shimada and Kajihara 2014  | - | - | - | - | × |

**Adoncholaimus meridionalis** Kreis, 1932

**Nomenclature:**
Invalid: transferred to the genus *Meyersia* by Hopper 1967; see *Meyersia meridionalis*
Adoncholaimus nudus Kreis, 1932

**Nomenclature:**
Invalid: transferred to the genus Kreisoncholaimus by Rachor (1969); see Kreisoncholaimus nudus

Adoncholaimus papillatus Kreis, 1932

**Nomenclature:**
Invalid: transferred to the genus Admirandus by Shimada and Kajihara (2014); see Admirandus papillatus

Adoncholaimus skawensis (Ditlevsen, 1922) Allgén, 1933

**Nomenclature:**
Invalid: transferred to the genus Oncholaimus again by Allgén (1935b)
**Synonym:** Oncholaimus skawensis Ditlevsen, 1922
**Etymology:** adjective, Skaw (type locality) + ensis, -is, -e (Latin, suffix)
**Notes:** Holotype: unknown

References: see Table 28

| Reference       | Collection                  | T | E | M | O | C |
|-----------------|-----------------------------|---|---|---|---|---|
| Ditlevsen 1922  | O. skawensis                |   |   |   |   |   |
|                 | Skaw, Skagen, Skagerrak or |   |   |   |   |   |
|                 | Kattegat                    |   |   |   |   |   |
| Allgén 1933     | Munkholmen; Tautra, Trondheim |   |   |   |   |   |

References of Adoncholaimus skawensis. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy

Adoncholaimus taboguillensis (Allgén, 1947) Wieser, 1953

**Nomenclature:**
Invalid: treated as a species inquirenda by Shimada and Kajihara (2014)
**Synonym:** Viscosia taboguillensis Allgén, 1947
**Etymology:** adjective, Taboguilla (type locality) + ensis, -is, -e (Latin, suffix)
Notes: Holotype: unknown

References: see Table 29

| Reference                  | Collection                      | Locality                      | Country          | Habitat          | D | G | R | L | N | P | F |
|----------------------------|---------------------------------|-------------------------------|------------------|------------------|---|---|---|---|---|---|---|
| Allgén 1947a (V. taboguillensis) | Taboguilla Island, Bay of Panama, North Pacific Ocean | Panama | coral | x |
| Allgén 1951 (V. taboguillensis) | Contadora Island, Bay of Panama, North Pacific Ocean | Panama | sand and stone, 8–10 m deep | x |
| Wieser 1953                | -                               | -                             | -                | x |
| Gerlach and Riemann 1974   | -                               | -                             | -                | x |
| Shimada and Kajihara 2014  | -                               | -                             | -                | x |

Genus *Admirandus* Belogurov and Belogurova, 1979

**Nomenclature:**

Etymology: masculine noun, *admirandus*, -a, -um (Latin, "remarkable";"wonderful")?

Type species: *Admirandus multicavus* Belogurov and Belogurova, 1979

Valid three species: *A. multicavus*; *A. belogurovi* Tchesunov *et al.*, 2010; *A. papillatus* (Kreis, 1932) Shimada and Kajihara, 2014

The genus name was published in Belogurov and Belogurova (1977a), Belogurov and Belogurova (1977d), Belogurov and Belogurova (1978a), Belogurov and Belogurova (1978b) prior to original description, but had been unavailable before Belogurov and Belogurova 1979 [Article 13.1 of International Code of Zoological Nomenclature (International Commission on Zoological Nomenclature 1999)]

Notes: Original description: Belogurov and Belogurova (1979)

Revisions and reviews of the genus: Belogurov and Belogurova (1977b), Belogurov and Belogurova (1977a), Belogurov and Belogurova (1978b), Belogurov and
Belogurov (1978a), Belogurov and Belogurova (1988), Belogurov and Belogurova (1989), Tchesunov et al. (2010), Smol et al. (2014), Mordukhovich et al. (2015)

**Admirandus multicavus** Belogurov and Belogurova, 1979

**Nomenclature:**
Etymology: appositive noun, *multi* (Latin, "many") + *cavus, -a, -um* (Latin, "hole")

**Notes:** Holotype: MN-92, Department of Zoology, Far Eastern State University, Vladivostok, USSR

References: see Table 30

| Reference | Collection | Locality | Country | Habitat | T | E | M | O | C |
|-----------|------------|----------|---------|---------|---|---|---|---|---|
| Belogurov and Belogurova 1978a | - | - | - | × |
| Belogurov and Belogurova 1978b | - | - | - | × |
| Belogurov and Belogurova 1979 | Slavyanka, Japan Sea | Russia | sand and gravel in lagoon | × |
| Belogurov and Belogurova 1988 | - | - | - | × |
| Belogurov and Belogurova 1989 | Far East | Russia | no data | × |
| Pavlyuk et al. 2007a | Amur Bay, Japan Sea | Russia | intertidal | × |
| Pavlyuk et al. 2007b | same as Pavlyuk et al. 2007a | | | × |
| Ivanova et al. 2008 | Amur Bay, Japan Sea | Russia | brackish sediment | × |
| Pavlyuk and Trebukhova 2008 | Amur Bay, Japan Sea | Russia | subtidal sediment | × |
| Huang and Zhang 2009 (*A. chinensis*) | Lianyungang to Rizhao, Yellow Sea | China | intertidal muddy sand | × |
Admirandus belogurovi Tchesunov et al., 2010

Nomenclature:
Etymology: genitive noun, O.I. Belogurov (person) + i (Latin, suffix)

Notes: Holotype: Department of Nematology, Institute of Ecology and Biological Resources (IEBR), Vietnam Academy of Science and Technology, Hanoi, Vietnam

References: see Table 31

Table 31.
References of Admirandus belogurovi. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection            | T   | E | M | O | C |
|----------------------------|-----------------------|-----|---|---|---|---|
| Tchesunov et al. 2010      | Be estuary, Nha Trang Bay, South China Sea | Vietnam | intertidal to subtidal | x |
| Mokievsky et al. 2011a     | Be estuary, Nha Trang Bay, South China Sea | Vietnam | intertidal to subtidal | x |
| Mokievsky et al. 2011b     | same as Mokievsky et al. 2011a                          | x |
| Smol et al. 2014           | -                    | -   | - | x |
Admirandus papillatus (Kreis, 1932) Shimada and Kajihara, 2014

Nomenclature:
Synonym: Adoncholaimus papillatus Kreis, 1932
Etymology: adjective, papillatus, -a, -um (Latin, "having papillae")

Notes: Holotype: unknown

References: see Table 32

Table 32.
References of Admirandus papillatus. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                          | Collection                     | T | E | M | O | C |
|------------------------------------|-------------------------------|---|---|---|---|---|
| Kreis 1932 (A. papillatus)         | Batavia, Java Sea; Saparua Island, Banda Sea (in Micoletzky and Kreis 1930) |   |   |   |   | X |
| Kreis 1934 (A. papillatus)         | same as Kreis 1932            |   |   |   |   | X |
| Gerlach and Riemann 1974 (A. papillatus) | -                            |   |   |   |   | X |
| Furstenberg and Vincx 1989 (A. papillatus) | Sundays estuary, Indian Ocean |   |   |   |   | X |
| Smol and Coomans 2006 (A. papillatus) | -                            |   |   |   |   | X |
| Shimada and Kajihara 2014          | -                            |   |   |   |   | X |

Genus Kreisoncholaimus Rachor, 1969

Nomenclature:
Etymology: masculine noun, H.A. Kreis (person) + genus Oncholaimus
Type and only valid species: Kreisoncholaimus nudus (Kreis, 1932) Rachor, 1969
Notes: Original description: Rachor (1969)

Revisions and reviews of genus: Gerlach and Riemann (1974), Belogurov and Belogurova (1977a), Belogurov and Belogurova (1977d), Belogurov and Belogurova (1978a), Belogurov and Belogurova (1978b), Belogurov and Belogurova (1988), Belogurov and Belogurova (1989), Keppner and Tarjan (1989), Smol and Coomans (2006), Smol et al. (2014)

**Kreisoncholaimus nudus** (Kreis, 1932) Rachor, 1969

**Nomenclature:**
Synonym: *Adoncholaimus nudus* Kreis, 1932

Etymology: adjective, *nudus*, -a, -um (Latin, "naked")

Notes: Holotype: unknown

References: see Table 33

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**Table 33.**

References of *Kreisoncholaimus nudus*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection                      | Country           | Habitat                  | D | G | R | L | N | P | F |
|----------------------------|---------------------------------|-------------------|--------------------------|---|---|---|---|---|---|---|
| Kreis 1932                 | Saparua Island, Banda Sea (in Micoletzky and Kreis 1930) | Indonesia         | algae in rocky shore     |   |   |   |   |   |   |   |
| (A. nudus)                 |                                 |                   |                          |   |   |   |   |   |   |   |
| Kreis 1934                 | same as Kreis 1932               |                   |                          |   |   |   |   |   |   |   |
| (A. nudus)                 |                                 |                   |                          |   |   |   |   |   |   |   |
| Rachor 1969                | -                               |                   |                          |   |   |   |   |   |   | X |
| Rachor 1970                | -                               |                   |                          |   |   |   |   |   |   | X |
| Hope and Murphy 1972       | -                               |                   |                          |   |   |   |   |   |   | X |
| Gerlach and Riemann 1974   | -                               |                   |                          |   |   |   |   |   |   | X |
| Belogurov and Belogurova 1978a | -                             |                   |                          |   |   |   |   |   |   | X |
| Belogurov and Belogurova 1978b | -                             |                   |                          |   |   |   |   |   |   | X |

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Genus *Meyersia* Hopper, 1967

**Nomenclature:**

Etymology: feminine noun, S.P. Meyers (person) + *ia* (Latin, prefix)

Type species: *Meyersia major* Hopper, 1967

Valid five species: *M. major*, *M. bandaensis* (Kreis, 1932) Hopper, 1967; *M. japonica* Yoshimura, 1982; *M. meridionalis* (Kreis, 1932) Hopper, 1967; *M. minor* Hopper, 1967

**Notes:** Original description: Hopper (1967)

Revisions and reviews of genus: Rachor (1969), Gerlach and Riemann (1974), Belogurov and Belogurova (1977b), Belogurov and Belogurova (1977d), Belogurov and Belogurova (1977c), Belogurov and Belogurova (1977a), Belogurov and Belogurova (1978b), Belogurov and Belogurova (1978a), Platt and Warwick (1983), Belogurov and Belogurova (1988), Belogurov and Belogurova (1989), Keppner and Tarjan (1989), Smol and Coomans (2006), Smol et al. (2014)

Collection records of unidentified species (*Meyersia* sp.): see Table 34

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**Table 34.**

References of unidentified species in *Meyersia*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference             | Collection                      | T | E | M | O | C |
|-----------------------|---------------------------------|---|---|---|---|---|
|                       | **Locality** | **Country** | **Habitat** | **D** | **G** | **R** | **L** | **N** | **P** | **F** |
| Gourbault et al. 1995 | Moorea Island, South Pacific Ocean | French Polynesia | intertidal coral sand | × |
| Villano and Warwick 1995 | Palude della Rose, Adriatic Sea, Mediterranean Sea | Italy | sediment | × |
| Warwick and Villano 2000 | same as Villano and Warwick 1995 | | | | | | | | | × |
| Author(s) and Year | Location | Environment | Depth (m) | Notes |
|--------------------|----------|-------------|----------|-------|
| Mirto et al. 2003  | Gaeta Gulf, Tyrrhenian Sea, Mediterranean Sea Italy | fish-farm cage | | × |
| Ullberg and Ólafsson 2003b | Sandviken, Askö, Baltic Sea Sweden | sand | | × |
| Haseman 2006       | Hausgarten, off Svalbard, Fram Strait off Norway | deep sea sand with marl and silt | | × |
| Pavlyuk and Trebukhova 2006 | Nha Trang Bay, South China Sea Vietnam | sediment | | × |
| Liu et al. 2008    | Victoria Harbour, Hong Kong, South China Sea China | 5–23 m deep | | × |
| Sougawa et al. 2008| Manazuru Port, Sagami Bay, North Pacific Ocean Japan | 5–6 m deep | | × |
| Bik et al. 2010a (Meyersia sp. or Metaparoncholaimus sp.) | off Crozet Islands, Indian Ocean French Southern and Antarctic Lands | deep sea sediment | | × |
| Bik et al. 2010b (Meyersia sp. or Metaparoncholaimus sp.) | same as Bik et al. 2010a | | | × |
| Ingole and Singh 2010 | off Larsemann Hills, Prydz Bay, Indian Ocean Antarctica | 525–722 m deep | | × |
| Nanajkar et al. 2010 | Zuari estusry, Goa, Arabian Sea India | clayey sediment, 9 m deep | | × |
| Venekey et al. 2010 | no data Brazil | no data | | × |
| Portnova et al. 2011 | Håkon Mosby Mud Volcano, Norwegian Sea off Norway | 1307 m deep | | × |
| Miljutin et al. 2011 | French mining claim, Clarion-Clipperton Fracture Zone, North Pacific Ocean between Mexico and Hawaii | about 5000 m deep | | × |
| Liao et al. 2015 | Shihlang, Ludao (Green Island), North Pacific Ocean Taiwan | intertidal sand | | × |
**Meyersia major** Hopper, 1967

**Nomenclature:**
Etymology: adjective, *major*, -or, -us (Latin, "larger")

**Notes:** Holotype: Collection No. 5120, Type slide No. 153, Canadian National Collection of Nematodes, Entomology Research Institute, Ottawa, Canada

References: see Table 35

| Reference                | Collection          | Locality      | Country       | Habitat            | D | G | R | L | N | P | F |
|--------------------------|---------------------|---------------|---------------|--------------------|---|---|---|---|---|---|---|
| Hopper 1967              | Soldier Key; Pigeon Key, Florida, North Atlantic Ocean | United States | -             | sediment and algae | - | - | - | - | - | - | - |
| Hope and Murphy 1972     | -                   | -             | -             | -                  | - | - | - | - | - | - | x |
| Gerlach and Riemann 1974 | -                   | -             | -             | -                  | - | - | - | - | - | - | x |
| Belogurov and Belogurova 1978a | -             | -             | -             | -                  | - | - | - | - | - | - | x |
| Belogurov and Belogurova 1978b | -             | -             | -             | -                  | - | - | - | - | - | - | x |
| Belogurov and Belogurova 1988 | -             | -             | -             | -                  | - | - | - | - | - | - | x |
| Smol and Coomans 2006    | -                   | -             | -             | -                  | - | - | - | - | - | - | x |
| Hope 2009                | -                   | -             | -             | -                  | - | - | - | - | - | - | x |
| Smol et al. 2014         | -                   | -             | -             | -                  | - | - | - | - | - | - | x |

**Meyersia bandaensis** (Kreis, 1932) Hopper, 1967

**Nomenclature:**
Synonym: *Adoncholaimus bandaensis* Kreis, 1932

Etymology: adjective, Banda (type locality) + *ensis*, -is, -e (Latin, suffix)
Notes: Holotype: unknown

References: see Table 36

Table 36.
References of Meyersia bandaensis. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                          | Collection                          | T | E | M | O | C |
|------------------------------------|-------------------------------------|---|---|---|---|---|
| Kreis 1932 (A. bandaensis)         | Lontor Island, Banda Sea (in Micoletzky and Kreis 1930) |   |   |   |   | × |
| Kreis 1934 (A. bandaensis)         | same as Kreis 1932                  |   |   |   |   | × |
| de Coninck 1965 (A. bandaensis)    | -                                   |   |   |   |   | × |
| Hopper 1967                        | -                                   |   |   |   |   | × |
| Rachor 1969                        | -                                   |   |   |   |   | × |
| Gerlach and Riemann 1974           | -                                   |   |   |   |   | × |
| Belogurov and Belogurova 1978a     | -                                   |   |   |   |   | × |
| Belogurov and Belogurova 1978b     | -                                   |   |   |   |   | × |
| Gourbault and Renaud-Mornant 1990  | Fangataufa, Tuamotu Archipelago, South Pacific Ocean | French Polynesia | lagoon sediment |   |   | × |

Meyersia japonica Yoshimura, 1982

Nomenclature:
Etymology: adjective, japonicus, -a, -um (Latin, "Japanese")

Notes: Holotype: 790811B-V-4, Seto Marine Biological Laboratory, Wakayama, Japan

References: see Table 37
Table 37.
References of *Meyersia japonica*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection                                                                 | T | E | M | O | C |
|----------------------------|----------------------------------------------------------------------------|---|---|---|---|---|
|                            | Locality                     | Country                          | Habitat                                      | D | G | R | L | N | P | F |
| Yoshimura 1982             | Hatake-jima Island, Tanabe Bay, Wakayama, North Pacific Ocean              | Japan                            | intertidal sand                              |   |   |   | X |   |   |   |
| Itani and Shirayama 2001   | Tanabe Bay, Wakayama, North Pacific Ocean                                  | Japan                            | subtidal sand                                |   |   |   |   | X |   |   |

*Meyersia meridionalis* (Kreis, 1932) Hopper, 1967

Nomenclature:
Synonym: *Adoncholaimus meridionalis* Kreis, 1932

Etymology: adjective, *meridionalis*, -is, -e (Latin, "southern")

Notes: Holotype: unknown

References: see Table 38

Table 38.
References of *Meyersia meridionalis*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference                  | Collection                                                                 | T | E | M | O | C |
|----------------------------|----------------------------------------------------------------------------|---|---|---|---|---|
|                            | Locality                     | Country                          | Habitat                                      | D | G | R | L | N | P | F |
| Kreis 1932 (A. meridionalis)| Saparua Island, Banda Sea (in Micoletzky and Kreis 1930)                   | Indonesia                        | calcareous algae and lava                    |   |   | X |   |   |   |   |
| Kreis 1934 (A. meridionalis)| same as Kreis 1932            |                                  |                                              |   |   |   |   |   | X |   |
| Schuurmans Stekhoven 1936b (A. meridionalis)| -                           | -                               | -                                           |   |   |   |   |   |   | X |
**Meyersia minor** Hopper, 1967

**Nomenclature:**

Etymology: adjective, *minor*, -or, -us (Latin, "larger")

**Notes:** Holotype: Collection No. 5122, Type slide No. 154, Canadian National Collection of Nematodes, Entomology Research Institute, Ottawa, Canada

References: see Table 39

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### Table 39.

References of *Meyersia minor*. Abbreviations: C, citation; D, description; E, ecology; F, feeding and culture; G, genus diagnosis; L, species list of genus; M, morphology; N, DNA taxonomy; O, other experiment; P, population and fauna; R, taxonomic revision; T, taxonomy.

| Reference | Collection | T | E | M | O | C |
|-----------|------------|---|---|---|---|---|
|           | Locality   |   |   |   |   |   |
|           | Country    |   |   |   |   |   |
|           | Habitat    |   |   |   |   |   |
|           | D | G | R | L | N | P | F |
| Hopper 1967 | Key Biscayne; Virginia Key, Florida, North Atlantic Ocean | United States | sandy sediment | × |
| Hopper and Meyers 1967 | Key Biscayne, Florida, North Atlantic Ocean | United States | subtidal sediment | × |
| Gerlach and Riemann 1974 | - | - | - | - | × |
| Rachor 1969 | same as Hopper 1967 | | | | | × |
| Rachor 1970 | same as Hopper 1967 | | | | | × |
| Author(s)                | Genus/Species | Nomenclature                | References                                                                 |
|-------------------------|---------------|-----------------------------|-----------------------------------------------------------------------------|
| Maertens and Coomans    | *Metoncholaimoides* Wieser, 1953 | Invalid: transferred to the genus *Adoncholaimus* by Shimada and Kajihara (2014); see *Adoncholaimus* |                                      |
| Chabaud et al.          | *Metoncholaimoides squalus* Wieser, 1953 | Invalid: transferred to the genus *Adoncholaimus* by Shimada and Kajihara (2014); see *Adoncholaimus squalus* |                                      |
| Galtsova                | *Metoncholaimoides filicauda* Galtsova, 1976 | Invalid: transferred to the genus *Adoncholaimus* by Shimada and Kajihara (2014); see *Adoncholaimus filicauda* |                                      |

**Genus *Metoncholaimoides* Wieser, 1953**

**Nomenclature:**
Invalid: transferred to the genus *Adoncholaimus* by Shimada and Kajihara (2014); see *Adoncholaimus*

**Etymology:** genus *Metoncholaimus* + *oides* (Latin, "resembling")

**Type species:** *Metoncholaimoides squalus* Wieser, 1953

**Metoncholaimoides squalus** Wieser, 1953

**Nomenclature:**
Invalid: transferred to the genus *Adoncholaimus* by Shimada and Kajihara (2014); see *Adoncholaimus squalus*

**Metoncholaimoides filicauda** Galtsova, 1976

**Nomenclature:**
Invalid: transferred to the genus *Adoncholaimus* by Shimada and Kajihara (2014); see *Adoncholaimus filicauda*

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