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Taxonomic paper

Nematodes from terrestrial and freshwater habitats in the Arctic

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Abstract

We present an updated list of terrestrial and freshwater nematodes from all regions of the Arctic, for which records of properly identified nematode species are available: Svalbard, Jan Mayen, Iceland, Greenland, Nunavut, Northwest territories, Alaska, Lena River estuary, Taymyr and Severnaya Zemlya and Novaya Zemlya. The list includes 391 species belonging to 146 genera, 54 families and 10 orders of the phylum Nematoda.

Keywords

Alaska, Arctic, distribution, fauna, freshwater, Greenland, Iceland, Jan Mayen, Lena River, Northwest territories, Novaya Zemlya, Nunavut, Severnaya Zemlya, Svalbard, Taymyr, terrestrial.

Introduction

Nematodes are one of the most numerous and abundant multicellular organisms on the planet in general and in the Arctic in particular. There are over 70 research papers published which include data on the fauna and distribution of nematodes in the region. Few faunistic overviews of the Arctic nematodes exist in the literature. The "Catalogue of free-
living soil and fresh-water nematodes of Arctic and Subarctic" (Kuzmin and Gagarin 1990) includes a large number of subarctic nematodes and is normally inaccessible. Subsequent publication by Gagarin (2001b) focuses only on the fresh-water nematodes from the Russian Arctic and Subarctic, while Coulson and Refseth (2004) give a list of terrestrial and freshwater nematodes from Svalbard and Jan Mayen. The present paper aims to provide a comprehensive overview of all findings of nematodes in the entire Arctic region between the years of 1883 and 2013, with all species names adjusted according to the most recent classification and nomenclature.

Materials and methods

The species list has been compiled based on literature data and refers to the area of the Arctic (Fig. 1) as defined by the Circumpolar Arctic Vegetation Map (CAVM Team 2003) and Meltofte et al. (2013). The list below includes all species found in the Arctic, and specifies the regions where each species was found, as well as all relevant references. Current taxonomic status and systematic position of all species was updated according to the most recent views on nematode systematics. Section on nomenclature includes those synonymous names, and sometimes mistyped names, which were used in the original publications on the Arctic nematodes; it does not include any other existing synonyms or combinations. Asterisks indicate those new species names, which were originally proposed based on populations described from the Arctic.

![Figure 1.](image)

Known localities in the Arctic for which detailed information about nematode fauna (identified to species level) is available in the literature.

Taxa identified in the literature to the genus level only were not considered in the review for the following reasons: 1) It is impossible to make sure how many actual species were considered by the author – just one, or if s/he had treated multiple species together in the same unit. 2) Taxa identified only to the genus level have limited usefulness when
analyzing distribution, endemism and other aspects of biogeography. Nematode systematics is continuously improving. Menzel (1920) described *Dorylaimus* sp. from Spitzbergen (Svalbard). The context of the genus *Dorylaimus* had changed considerably since 1920 and now includes members of at least families Dorylaimidae, Qudsianematidae, Aporcelaimidae and Nordiidae, making it practically impossible to use Menzel's record in modern faunistic studies. Even genus-level identifications done more recently face similar problems. Species that are now considered to belong to the same genus may in future, when more data becomes available, be split into different, sometimes distantly related genera. It would thus be impossible to know in the future what author of the paper meant when he identified his material.

General classification and classification of the orders Chromadorida, Desmodorida and Araeolaimida follows De Ley and Blaxter (2004) and Holovachov and Esquivel (2012). Classification of the order Enoplida follows that of Smol et al. (2014) and Andrássy (2002); Triplonchida – Holovachov and Shoshin (2014); Dorylaimida – Andrássy (2009); Mononchida – Ahmad and Jairajpuri (2010); Monhysterida – Fonseca and Decraemer (2008); Plectida – Holovachov (2014); Rhabditida – Holovachov et al. (2009), Geraert (2008), Geraert (2011), Sudhaus (2011), Sudhaus and Fürst von Lieven (2003).

**Updated list of nematode species found in the Arctic**

**Phylum Nematoda**

**Order ENOPLIDA**

**Family Ironidae**

*Ironus tenuicaudatus* de Man, 1876

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990).

**Family Alaimidae**

*Alaimus arcuatus* Thorne, 1939

**Notes:** Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Alaimus depressus* Loof, 1971*

**Notes:** Svalbard (Loof 1971).
Alaimus parvus Thorne, 1939

Notes: Svalbard (Loof 1971).

Alaimus primitivus de Man, 1880

Notes: Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

Alaimus proximus Thorne, 1939

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

Alaimus similis Thorne, 1939

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Cosalaimus striatus (Loof, 1964)

Nomenclature:
Alaimus striatus Loof, 1964

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

Amphidelus elegans (de Man, 1921)

Nomenclature:
Alaimus elegans de Man, 1921

Notes: Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Paramphidelus dolichurus (de Man, 1876)

Nomenclature:
Amphidelus dolichurus (de Man, 1876)

Notes: Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).
**Paramphidelus paludicola** Gagarin, 1991*

*Notes*: Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991b, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

**Paramphidelus paramonovi** (Eliashvili, 1971)

*Notes*: Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Paramphidelus pusillus** (Thorne, 1939)

*Nomenclature:*

Amphidelus pusillus Thorne, 1939

*Notes*: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Rhabdolaimidae**

**Rhabdolaimus terrestris** de Man, 1880

*Notes*: Svalbard (Loof 1971); Nunavut, Canada (Mulvey 1969c); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Family Trefusiidae**

**Tripylina arenicola** (de Man, 1880)

*Nomenclature:*

Trischistoma arenicola (de Man, 1880)

*Notes*: Nunavut, Canada (Mulvey 1969c).

**Trischistoma monohystera** (de Man, 1880)

*Notes*: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).
Order TRIPLONCHIDA

Family Tobrilidae

*Tobrilus aberrans* (W. Schneider, 1925)

**Notes:** Northwest territories, Canada (Ebsary 1982).

*Tobrilus affinis* Gagarin, 1996*

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b).

*Tobrilus brevisetosus* (W. Schneider, 1925)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

*Tobrilus gracilis* (Bastian, 1865)

**Notes:** Nunavut, Canada (Mulvey 1969c); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Gagarin and Kuzmin 1983, Kuzmin 1972, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

*Tobrilus helveticus* (Hofmänner in Hofmänner & Menzel, 1914)

**Nomenclature:**

*Trilobus pseudallophysis* Micoletzky 1925

**Notes:** Greenland (Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Kuzmin and Gagarin 1990).

*Tobrilus modestus* Gagarin, 1996*

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b).

*Tobrilus parvus* Gagarin, 1991*

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991a, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).
**Tobrilus tripylis** Gagarin, 1991*

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991a, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

**Brevitobrilus stefanskii** (Micoletzky, 1925)

*Notes:* Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1999a, Gagarin 2001b).

**Epitobrilus allophysis** (Steiner, 1919)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Eutobrilus affectiosus** Shoshin, 1988

*Nomenclature:*

*Eutobrilus antarcticus* sensu Gagarin, 1993, 2001; *Raritobrilus antarcticus* sensu Gagarin 1990, 1991

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991a, Gagarin 1993, Gagarin 2001b, Gagarin 2001a, Gagarin 2009).

**Eutobrilus altherri** (Andrássy, 1953)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b).

**Eutobrilus andrassyi** (Altherr, 1963)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 2009, Kuzmin and Gagarin 1990).

**Eutobrilus grandipapillatus** (Brakenhoff, 1914)

*Notes:* Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

**Eutobrilus selengaensis** (Tsalolikhin, 1977)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b).
**Neotobrilus longus (Leidy, 1852)**

*Notes:* Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Kuzmin and Gagarin 1990).

**Paratriolobus grandipapilloides Micoletzky, 1922**

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

**Paratriolobus rapis** Gagarin, 1991*

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991a, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

**Peritobrilus arcticus** (Gagarin, 1991)

*Nomenclature:

*Eutobrilus arcticus* Gagarin, 1991*

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991a, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

**Peritobrilus vipriensis** Gagarin, 1999*

*Notes:* Lena River estuary, Russia (Gagarin 1999b, Gagarin 2001b).

**Quasibrilus strenuus** (Gagarin, 1991)

*Nomenclature:

*Eutobrilus strenuus* Gagarin, 1991*

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991a, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

**Raritobrilus steineri** (Micoletzky, 1925)

*Nomenclature:

*Eutobrilus steineri* (Micoletzky, 1925); *Tobrilus steineri* Micoletzky, 1925

*Notes:* Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin 1986, Kuzmin and Gagarin 1990).
**Semitobrilus ebsaryi** Tsalolikhin, 2000*

**Nomenclature:**
*Tobrilus longicaudatus* sensu Ebsary, 1982

**Notes:** Northwest territories, Canada (Ebsary 1982).

**Semitobrilus longicaudatus** (Schneider, 1923)

**Nomenclature:**
*Tobrilus longicaudatus* (Schneider, 1923)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Semitobrilus parapellucidus** (Ebsary, 1982)

**Nomenclature:**
*Tobrilus parapellucidus* Ebsary, 1982*

**Notes:** Northwest territories, Canada (Ebsary 1982); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

**Semitobrilus gagarini** (Ebsary, 1982)

**Notes:** Lena River estuary, Russia (Gagarin 2001b).

**Family Tripylidae**

**Tripyla affinis** de Man, 1880

**Notes:** Nunavut, Canada (Mulvey 1969c); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Tripyla dubia** Gagarin, 1997*

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Tripyla filicaudata** de Man, 1880

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).
**Tripyla glomerans** Bastian, 1865

**Nomenclature:**

*Tripyla papillata* Bütschli, 1873

**Notes:** Svalbard (Loof 1971); Greenland (Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Kuzmin 1972, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

**Tripyla infia** Brzeski & Winiszewska-Slipinska, 1993

**Nomenclature:**

*Tripyla filipjevi* Altherr in Altherr & Delamare Deboutteville, 1972

**Notes:** Svalbard (Janiec 1997); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 1996, Gagarin 2001b, Gagarin 2001a).

**Tripyla magna** Altherr in Altherr & Delamare Deboutteville, 1972

**Notes:** Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 1996, Gagarin 2001b, Gagarin 2001a).

**Tripyla setifera** Bütschli, 1873

**Notes:** Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Prismatolaimidae**

**Prismatolaimus dolichurus** de Man, 1880

**Notes:** Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Greenland (Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Prismatolaimus intermedius** (Bütschli, 1873)

**Notes:** Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Nunavut, Canada (Mulvey 1969c); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Prismatolaimus primitivus** Loof, 1971*

**Notes:** Svalbard (Loof 1971).
**Prismatolaimus stenolaimoides Loof, 1971**

*Notes:* Svalbard (Loof 1971).

**Prismatolaimus tareya Gagarin & Kuzmin, 1972**

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 1993, Gagarin and Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990).

**Prismatolaimus verrucosus Hirschmann, 1952**

*Notes:* Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Family Bastianiidae**

**Bastania gracilis de Man, 1876**

*Notes:* Svalbard (Loof 1971); Nunavut, Canada (Mulvey 1969c); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Bastania parexilis De Coninck, 1935**

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Odontolaimidae**

**Odontolaimus chlorurus de Man, 1880**

*Notes:* Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Diphtherophoridae**

**Diphtherophora communis de Man, 1880**

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Diphtherophora minuta Ivanova, 1958**

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).
Diphtherophora obesa Thorne, 1939

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Diphtherophora perplexans (Cobb, 1913)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Tylolaimophorus bulgaricus (Andrássy, 1958)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Tylolaimophorus cylindricus (Cobb, 1920)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Family Trichodoridae

Trichodorus californicus Allen, 1957

Notes: Alaska (Bernard 1992).

Trichodorus carlingi Bernard, 1992*

Notes: Alaska (Bernard 1992).

Order DORYLAIMIDA

Family Nygolaimidae

Paravulvus hartingii (de Man, 1880)

Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a).

Clavicaudoides clavicaudatus (Altherr, 1953)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Solididens vulgaris (Thorne, 1930)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).
Family Dorylaimidae

*Calcaridorylaimus arcticus* Gagarin, 1997*

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

*Calcaridorylaimus promissus* Andrássy, 1986

**Notes:** Alaska (Andrássy 2003c).

*Chrysodorus filiformis* (Bastian, 1865)

**Nomenclature:**

*Dorylaimus filiformis* Bastian, 1865

**Notes:** Greenland (Allgén 1954).

*Crocodorylaimus biserovi* Gagarin, 1996*

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b).

*Crocodorylaimus flavomaculatus* (Linstow, 1876)

**Nomenclature:**

*Mesodorylaimus flavomaculatus* (Linstow, 1876)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Crocodorylaimus dadayi* (Thorne & Swanger, 1936)

**Nomenclature:**

*Laimydorus dadayi* (Thorne & Swanger, 1936)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986).

*Dorylaimus lineatus* Altherr in Altherr & Delamare-Deboutteville, 1972

**Notes:** Northwest territories, Canada (Mulvey and Anderson 1979).

*Dorylaimus stagnalis* Dujardin, 1845

**Notes:** Greenland (Ditlevsen 1927); Northwest territories, Canada (Mulvey and Anderson 1979); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin
and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Laimydorus doryuris** (Ditlevsen, 1911)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Laimydorus finalis** Thorne, 1975

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Laimydorus pseudostagnalis** (Micoletzly, 1927)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Mesodorylaimus bastiani** (Bütschli, 1873)

**Nomenclature:**

*Dorylaimus bastiani* Bütschli, 1873; *Dorylaimus langii* Cobb, 1888

**Notes:** Svalbard (von Linstow 1900); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Mesodorylaimus japonicus** (Cobb in Thorne & Swanger, 1936)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Mesodorylaimus litoralis** Loof, 1969

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a).

**Mesodorylaimus pendschikenticus** (Tulaganov, 1949)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a).

Family Actinolaimidae

**Paractinolaimus macrolaimus** (de Man, 1884)

**Nomenclature:**

*Actinolaimus macrolaimus* (de Man, 1884)
Notes: Greenland (Ditlevsen 1927); Alaska (Andrássy 2003c); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

*Paractinolaimus longidrilus* Eveleigh, 1982*

Notes: Northwest territories, Canada (Eveleigh 1982).

*Westindicus cinctus* (Cobb in Thorne, 1939)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Family Qudsianematidae

*Arctidorylaimus arcticus* Mulvey & Anderson, 1979*

Notes: Northwest territories, Canada (Mulvey and Anderson 1979).

*Allodorylaimus andrassyi* (Meyl, 1955)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Allodorylaimus diadematus* (Cobb in Thorne & Swanger, 1936)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Allodorylaimus holdemani* (Andrássy, 1959)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Allodorylaimus lindbergi* (Andrássy, 1960)

Nomenclature:

*Eudorylaimus lindbergi* Andrássy, 1960; *Allodorylaimus rarus* Gagarin, 1999*;

*Eudorylaimus curvicaudatus* Eliava, 1968

Notes: Lena River estuary, Russia (Gagarin 1999a, Gagarin 1999b, Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 1999a, Gagarin 2001a, Gagarin 2001b); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).
**Allodorylaimus uniformis** (Thorne, 1929)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

**Eudorylaimus acuticauda** (de Man, 1880)

*Nomenclature:*

*Dorylaimus acuticauda* de Man, 1880; *Dorylaimus carteri acuticauda* Micoletzky, 1922; *Dorylaimus carteri* Bastian, 1865 *sf. acuticaudata* de Man, 1880 (lapsus); *Dorylaimus carteri* Bastian, 1865 *var. brevicaudatus* f. *typica* *sf. acuticauda* de Man, 1880

*Notes:* Jan Mayen (Allgén 1953); Greenland (Allgén 1954, Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Eudorylaimus acutus** (Thorne & Swanger, 1936)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

**Eudorylaimus bureshi** (Andrássy, 1958)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Eudorylaimus carteri** (Bastian, 1865)

*Nomenclature:*

*Dorylaimus carteri* Bastian, 1865

*Notes:* Svalbard (Klekowski and Opalinski 1986, Klekowski and Opalinski 1990, Klekowski and Opalinski 1992, Opalinski and Klekowski 1992); Jan Mayen (Allgén 1953); Greenland (Ditlevsen 1927); Alaska (Andrássy 2003c); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin and Kuzmin 1983, Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Eudorylaimus centrocercus** (de Man, 1880)

*Nomenclature:*

*Dorylaimus centrocercus* de Man, 1880; *Aporcelaimellus centrocercus* (de Man, 1880)

*Notes:* Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990).
*Eudorylaimus iners* (Bastian, 1865)

**Nomenclature:**

*Dorylaimus gracilis* de Man, 1876

**Notes:** Jan Mayen (Allgén 1953).

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*Eudorylaimus leuckarti* (Bütschli, 1873)

**Nomenclature:**

*Dorylaimus carteri* Bastian, 1865 var. *brevicaudatus* Micoletzky, 1922 f. *typica* Micoletzky, 1922

**Notes:** Greenland (Allgén 1954).

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*Eudorylaimus megodon* Loof, 1971*

**Notes:** Svalbard (Loof 1971).

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*Eudorylaimus subjunctus* Loof, 1971*

**Notes:** Svalbard (Loof 1971).

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*Eudorylaimus vanrosseni* Loof, 1971*

**Notes:** Svalbard (Loof 1971).

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*Epidorylaimus agilis* (de Man, 1880)

**Nomenclature:**

*Dorylaimus agilis* de Man, 1880; *Dorylaimus carteri* Bastian, 1865 var. *agilis* de Man, 1880; *Eudorylaimus agilis* (de Man, 1880); *Laimydorus agilis* (de Man, 1880)

**Notes:** Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Greenland (Allgén 1954); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

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*Epidorylaimus angulosus* (Thorne & Swanger, 1936)

**Nomenclature:**

*Eudorylaimus anquilosus* (Thorne & Swanger, 1936)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).
**Epidorylaimus consobrinus** (de Man, 1918)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Kuzmin and Gagarin 1990).

**Epidorylaimus humilis** (Thorne & Swanger, 1936)

**Nomenclature:**

*Eudorylaimus humilis* (Thorne & Swanger, 1936)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Epidorylaimus lugdunensis** (de Man, 1880)

**Nomenclature:**

*Dorylaimus carteri* Bastian, 1865 sf. *lugdunensis* de Man, 1880; *Dorylaimus carteri lugdunensis* Micoletzky, 1922; *Eudorylaimus lugdunensis* (de Man, 1880); *Dorylaimus reisingeri* Ditlevsen, 1927*

**Notes:** Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Greenland (Ditlevsen 1927); Alaska (Andrássy 2003c); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Epidorylaimus muscorum** (Skwarra, 1921)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Epidorylaimus rivalis** Gagarin, 1991*

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991b, Gagarin 2001b, Gagarin 2001a).

**Microdorylaimus parvus** (de Man, 1880)

**Nomenclature:**

*Eudorylaimus parvus* (de Man, 1880)

**Notes:** Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Crassolabium circulifer** (Loof, 1961)

**Nomenclature:**

*Eudorylaimus circulifer* Loof, 1961
Notes: Svalbard (Loof 1971).

**Crassolabium ettersbergense** (de Man, 1885)

**Nomenclature:**

_Eudorylaimus ettersbergensis_ (de Man, 1885); _Thonus ettersbergensis_ (de Man, 1885)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Crassolabium laticollis** (de Man, 1906)

**Nomenclature:**

_Thonus laticollis_ (de Man, 1906)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Dorydorella bryophila** (de Man, 1880)

**Nomenclature:**

_Dorylaimus carteri_ Bastian, 1865 sf. _briophilus_ de Man, 1880

Notes: Jan Mayen (Allgén 1953).

**Dorydorella pratensis** (de Man, 1880)

**Nomenclature:**

_Dorylaimus carteri_ Bastian, 1865 sf. _pratensis_ de Man, 1880

Notes: Jan Mayen (Allgén 1953).

**Ecumenicus monohystera** (de Man, 1880)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Labronema fimbriatum** Thorne, 1939

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Labronema goodeyi** Altherr in Altherr & Delamare-Deboutteville, 1972

Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a).
**Labronema loeffleri** Andrássy, 1978

*Notes*: Lena River estuary, Russia (Gagarin 2001b); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a).

**Labronema stechlinense** Altherr, 1968

*Notes*: Alaska (Andrássy 2003c).

**Family Aporcelaimidae**

**Akrotonus striaticaudatus** (Cobb, 1906)

*Notes*: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Aporcelaimellus krygeri** (Ditlevsen, 1928)

*Nomenclature:*

*Eudorylaimus krygeri* (Ditlevsen, 1928)

*Notes*: Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b, Kuzmin 1972, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 2001b).

**Aporcelaimellus obscurus** (Thorne & Swanger, 1936)

*Nomenclature:*

*Eudorylaimus obscurus* (Thorne & Swanger, 1936)

*Notes*: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Aporcelaimellus obtusicaudatus** (Bastian, 1865)

*Nomenclature:*

*Dorylaimus obtusicaudatus* Bastian, 1865; *Dorylaimus obtusicaudatus* Bastian, 1865 f. *butschlii* Micoletzky, 1922; *Aporcelaimus obtusicaudatus* (Bastian, 1865)

*Notes*: Jan Mayen (Allgén 1953, Allgén 1954); Greenland (Allgén 1954, Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990).

**Aporcelaimellus papillatus** (Bastian, 1865)

*Nomenclature:*

*Aporcelaimus papillatus* (Bastian, 1865)
Aporcelaimellus paraobtusicaudatus (Micoletzky, 1922)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Aporcelaimellus tritici (Bastian, 1865)

Nomenclature:
Dorylaimus tritici Bastian, 1865

Notes: Jan Mayen (Allgén 1953); Greenland (Allgén 1954).

Aporcelaimus eurydoris (Ditlevsen, 1911)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Aporcelaimus polaris Andrássy, 2003*

Notes: Alaska (Andrássy 2003c).

Aporcelaimus superbus (de Man, 1880)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Metaporcelaimus labiatus (de Man, 1880)

Nomenclature:
Dorylaimus labiatus de Man, 1880

Notes: Jan Mayen (Allgén 1953).

Family Crateronematidae

Chrysonema maksymovi (Altherr, 1963)

Nomenclature:
Eudorylaimus maksymovi (Altherr, 1963)

Notes: Svalbard (Klekowski and Opalinski 1986, Klekowski and Opalinski 1990, Loof 1971).
Family Nordiidae

**Enchodelus analatus** (Ditlevsen, 1927)

Nomenclature:
*Dorylaimus* (*Doryllium*) *analatus* Ditlevsen, 1927*

Notes: Svalbard (Loof 1971); Greenland (Ditlevsen 1927).

**Enchodelus groenlandicus** (Ditlevsen, 1927)

Nomenclature:
*Dorylaimus* (*Doryllium*) *groenlandicus* Ditlevsen 1927*

Notes: Greenland (Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Elshishka et al. 2012).

**Enchodelus cf. macrodoroides** (Steiner, 1914)

Notes: Svalbard (Loof 1971).

**Enchodelus macrodorus** (de Man, 1880)

Nomenclature:
*Dorylaimus macrodorus* de Man, 1880

Notes: Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).

**Enchodelus makarovae** Elshishka et al., 2012*

Notes: Taymyr and Severnaya Zemlya, Russia (Elshishka et al. 2012).

**Enchodelus parateres** Baqri & Jairajpuri, 1974

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

**Enchodelus parvus** Loof, 1971*

Notes: Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).
**Enchodelus teres** Thorne, 1939

**Notes:** Taymyr and Severnaya Zemlya, (Kuzmin and Gagarin 1990).

**Heterodorus arquatus** (Thorne, 1939)

**Nomenclature:**

*Enchodelus arquatus* Thorne, 1939

**Notes:** Nunavut, Canada (Elshishka et al. 2013); Taymyr and Severnaya Zemlya, Russia (Elshishka et al. 2013, Kuzmin and Gagarin 1990).

**Heterodorus conicaudatus** (Ditlevsen, 1927)

**Nomenclature:**

*Dorylaimus conicaudatus* Ditlevsen, 1927*; *Enchodelus conicaudatus* (Ditlevsen, 1927)

**Notes:** Svalbard (Loof 1971); Greenland (Ditlevsen 1927).

**Heterodorus magnificus** Altherr, 1952

**Notes:** Taymyr and Severnaya Zemlya, Russia (Elshishka et al. 2013).

**Pungentus longidens** (Thorne & Swanger, 1936)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Rhyssocolpus alleni** (Brzeski, 1962)

**Nomenclature:**

*Eudorylaimus alleni* Brzeski, 1962*

**Notes:** Svalbard (Brzeski 1962, Loof 1971).

**Rhyssocolpus aquilonius** Andrássy, 2003*

**Notes:** Alaska (Andrássy 2003c).

**Rhyssocolpus arcticus** Ebsary, 1984*

**Notes:** Nunavut, Canada (Ebsary 1984).
**Longidorella magna** Loof, 1971*

*Notes:* Svalbard (Loof 1971); Alaska (Andrássy 2003c).

**Longidorella parva** Thorne, 1939

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Longidorella penetrans** (Thorne & Swanger, 1936)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Leptonchidae**

**Xiphinemella eversum** Heyns, 1969

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Tylencholaimidae**

**Tylencholaimus crassus** Loof & Jairajpuri, 1968

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Tylencholaimus mirabilis** (Bütschli, 1873)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Tylencholaimus proximus** Thorne, 1939

*Notes:* Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Tylencholaimus stecki** Steiner, 1914

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Tylencholaimus teres** Thorne, 1939

*Notes:* Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990).
Family Mydonomidae

*Dorylaimoides arcuicaudatus* Baqri & Jairajpuri, 1969

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Family Tylencholaimellidae

*Tylencholaimellus coronatus* Thorne, 1939

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Order MONONCHIDA

Family Mononchidae

*Mononchus absconditus* (Tsololikhin, 1974)

**Notes:** Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 2001b, Gagarin 2001a); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

*Mononchus angarensis* Gagarin, 1984

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b).

*Mononchus aquaticus* Coetzee, 1968

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b).

*Mononchus maduei* Schneider, 1925

**Notes:** Northwest territories, Canada (Mulvey 1978).

*Mononchus niddensis* Skwarra, 1921

**Notes:** Nunavut, Canada (Mulvey 1967b, Mulvey 1978).

*Mononchus superbus* Mulvey, 1978*

**Notes:** Northwest territories, Canada (Mulvey 1978).
**Mononchus tajmiris** Gagarin, 1991*

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1991b, Gagarin 1993, Gagarin 2001a, Gagarin 2001b).

**Mononchus truncatus** Bastian, 1865

**Notes:** Northwest territories, Canada (Mulvey 1978); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Paramononchus arcticus** Mulvey, 1978*

**Notes:** Northwest territories, Canada (Mulvey 1978).

**Prionchulus longus** (Thorne, 1929)

**Notes:** Nunavut, Canada (Mulvey 1967a, Mulvey 1978); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Prionchulus major** Gagarin, 2001*

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 2001c, Gagarin 2001b).

**Prionchulus muscorum** (Dujardin, 1845)

**Notes:** Svalbard (Klekowski and Opalinski 1986, Klekowski and Opalinski 1990); Nunavut, Canada (Mulvey 1967a); Alaska (Andrássy 2003a); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Prionchulus punctatus** Cobb, 1917

**Notes:** Nunavut, Canada (Mulvey 1967a).

**Prionchulus sedatus** Gagarin, 2000*

**Notes:** Lena River estuary, Russia (Gagarin 2000, Gagarin 2001b).

**Prionchulus spectabilis** (Ditlevsen, 1911)

**Nomenclature:**

*Mononchus spectabilis* Ditlevsen, 1911
Notes: Greenland (Ditlevsen 1927).

*Clarkus macropapillatus* (Mulvey, 1967)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Clarkus papillatus* (Bastina, 1865)

Nomenclature:

*Mononchus papillatus* Bastian, 1865

Notes: Jan Mayen (Allgén 1953); Greenland (Allgén 1954, Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

*Coomansus fletcherensis* Mulvey, 1978*

Notes: Nunavut, Canada (Mulvey 1978).

*Coomansus gerlachei* (de Man, 1904)

Notes: Northwest territories, Canada (Mulvey 1978).

*Coomansus parvus* (de Man, 1880)

Notes: Alaska (Andrássy 2003a).

*Parkellus zschokkei* (Menzel, 1913)

Nomenclature:

*Iotonchus zschokkei* (Menzel, 1913)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).
**Mylonchulus gigas** Gagarin, 1993

*Notes:* Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Mylonchulus incurvus** Cobb, 1917

*Notes:* Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b).

**Mylonchulus lacustris** (Cobb in Cobb, 1915)

*Notes:* Northwest territories, Canada (Mulvey 1978).

Family Anatonchidae

**Miconchus exilis** (Cobb, 1917)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Family Iotonchidae

**Jensenonchus amplus** Andrássy, 2003*

*Notes:* Alaska (Andrássy 2003a).

Order CHROMADORIDA

Family Chromadoridae

**Chromadorita arctica** Gagarin, 1999*

*Nomenclature:*

*Chromadorida arctica* Gagarin, 1999 (lapsus)

*Notes:* Novaya Zemlya and Vaigach island, Russia (Gagarin 1999a, Gagarin 2001b).

**Chromadorita leuckarti** (de Man, 1876)

*Notes:* Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Punctodora ratzemburgensis** (Linstow, 1876)

*Notes:* Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).
Family Achromadoridae

**Achromadora micoletzkyi** (Stefanski, 1915)

**Nomenclature:**

*Cyatholaimus micoletzkyi* Steiner, 1916*; *Achromadora steineri* Mulvey, 1969

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Achromadora ruricola** (de Man, 1880)

**Notes:** Nunavut, Canada (Mulvey 1969c); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Achromadora cf. semiarmata** Altherr, 1952

**Notes:** Svalbard (Loof 1971).

**Achromadora tenax** (de Man, 1876)

**Notes:** Svalbard (Janiec 1997, Loof 1971).

**Achromadora terricola** (de Man, 1880)

**Nomenclature:**

*Cyatholaimus ornatus* Steiner, 1916*

**Notes:** Greenland (Ditlevsen 1927); Nunavut, Canada (Mulvey 1969c); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).

Family Ethmolaimidae

**Ethmolaimus pratensis** de Man, 1880

**Nomenclature:**

*Ethmolaimus arcticus* Steiner, 1916*

**Notes:** Nunavut, Canada (Mulvey 1969c); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin 1972, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).
Order DESMODORIDA

Family Microlaimidae

*Microlaimus globiceps* de Man, 1880

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Prodesmodora arctica* (Mulvey, 1969)

Nomenclature:
*Microlaimus arcticus* Mulvey 1969*

Notes: Nunavut, Canada (Mulvey 1969c); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

*Prodesmodora circulata* (Micoletzky, 1913)

Notes: Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

Order MONHYSTERIDA

Family Xyalidae

*Hofmaenneria hazanensis* Mulvey, 1969*

Notes: Nunavut, Canada (Mulvey 1969c).

*Daptonema dubium* (Bütschli, 1873)

Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin and Kuzmin 1983, Kuzmin and Gagarin 1990).

*Daptonema fortis* Gagarin, 1993*

Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 2001b, Gagarin 2001a).

*Daptonema sibiricum* Gagarin, 2000*

Notes: Lena River estuary, Russia (Gagarin 2000, Gagarin 2001b).
Daptonema tenuispiculum (Ditlevsen, 1918)

Notes: Novaya Zemlya and Vaigach island, Russia (Gagarin 1999a, Gagarin 2001b).

Theristus agilis (de Man, 1880)

Nomenclature:
Monhystera agilis de Man, 1880

Notes: Jan Mayen (Allgén 1953, Tchesunov and Pletnikova 1986); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990).

Theristus flevensis Schuurmans Stekhoven, 1935

Notes: Novaya Zemlya and Vaigach island, Russia (Gagarin 1997b, Gagarin 2001a).

Family Monhysteridae

Eumonhystera barbata Andrássy, 1981

Notes: Novaya Zemlya and Vaigach island, Russia (Gagarin 1997b, Gagarin 2001a).

Eumonhystera dispar (Bastian, 1865)

Nomenclature:
Monhystera dispar Bastian, 1865

Notes: Svalbard (Loof 1971); Nunavut, Canada (Mulvey 1969c); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997b, Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

Eumonhystera filiformis (Bastian, 1865)

Nomenclature:
Monohystera filiformis Bastian, 1865 (lapsus); Monhystera filiformis Butschlii, 1873 (lapsus)

Notes: Svalbard (Janiec 1997, Loof 1971); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).
**Eumonhystera kuzmini** Gagarin, 1997*

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 1997b, Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

**Eumonhystera maxima** Gagarin, 1996

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b).

**Eumonhystera papuana** (Daday, 1899)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b).

**Eumonhystera pseudobulbosa** (Daday, 1896)

**Nomenclature:**

*Monohystera pseudobulbosa* Dayad, 1896 (lapsus)

**Notes:** Greenland (Ditlevsen 1927).

**Eumonhystera similis** (Bütschli, 1873)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b, Kuzmin and Gagarin 1990).

**Eumonhystera simplex** (de Man, 1880)

**Nomenclature:**

*Monhystera simplex* de Man, 1880

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Eumonhystera tuporis** Gagarin, 1991

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 1999a, Gagarin 2001b).

**Eumonhystera vulgaris** (de Man, 1880)

**Nomenclature:**

*Monhystera vulgaris* de Man, 1880; *Monohystera vulgaris* de Man, 1880 (lapsus)

**Notes:** Svalbard (Janiec 1997, Loof 1971); Jan Mayen (Allgén 1953); Nunavut, Canada (Mulvey 1969c); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Kuzmin and Gagarin 1990); Novaya Zemlya and
Geomonhystera aenariensis (Meyl, 1953)

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

Geomonhystera paravillosa (Meyl, 1954)

**Nomenclature:**
*Monhysterina paravillosa* Meyl, 1954

**Notes:** Nunavut, Canada (Mulvey 1969c).

Geomonhystera villosa (Butschli, 1873)

**Nomenclature:**
*Monhystera villosa* Butschli, 1873 (lapsus)

**Notes:** Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

Halomonhystera disjuncta (Bastian, 1865)

**Nomenclature:**
*Monhystera disjuncta* Bastian, 1865

**Notes:** Jan Mayen (Allgén 1953); Novaya Zemlya and Vaigach island, Russia (Gagarin 1999a, Gagarin 2001b).

Monhystera amabilis Gagarin, 1997*

**Notes:** Novaya Zemlya and Vaigach island, Russia (Gagarin 1997b, Gagarin 1997a, Gagarin 2001c, Gagarin 2001b).

Monhystera stagnalis Bastian, 1865

**Notes:** Svalbard (Janiec 1997, Loof 1971); Taymyr and Severnaya Zemlya, Russia (Gagarin and Kuzmin 1983, Kuzmin and Gagarin 1990).

Monhystrella macrura (de Man, 1880)

**Nomenclature:**
*Monhystrella macrura* de Man, 1880

**Notes:** Jan Mayen (Allgén 1953).
Tridentula bidenticulata (Gagarin, 1997)

Nomenclature:
Eumonhystera bidenticulata Gagarin, 1997*; Tridentulus diplodenticulata Gagarin, 1997 (lapsus); Eumonhystera diplodenticulata Gagarin, 1997 (lapsus)

Notes: Novaya Zemlya and Vaigach island, Russia (Gagarin 1997b, Gagarin 1997a, Gagarin 2001b).

Tridentula obscura (Gagarin, 2000)

Nomenclature:
Tridentulus obscurus Gagarin, 2000

Notes: Novaya Zemlya and Vaigach island, Russia (Gagarin 2001b).

Order ARAEOLAIMIDA

Family Diplopeltidae

Cylindrolaimus baradlanus Andrassy, 1959

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Cylindrolaimus communis de Man, 1880

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Cylindrolaimus melancholicus de Man, 1880

Notes: Svalbard (Loof 1971); Nunavut, Canada (Mulvey 1969c); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Order PLECTIDA

Family Camacolaimidae

Deontolaimus papillatus de Man, 1880

Notes: Greenland (Ditlevsen 1927).
Family Chronogastidae

*Chronogaster typica* (de Man, 1921)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Family Plectidae

*Anaplectus grandepapillatus* (Ditlevsen, 1928)

**Nomenclature:**

*Anaplectus submersus* (Hirschmann, 1952)

**Notes:** Svalbard (Janiec 1997); Alaska (Andrássy 2003b); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990).

*Anaplectus granulosus* (Bastian, 1865)

**Nomenclature:**

*Plectus granulosus* Bastian, 1865

**Notes:** Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Greenland (Ditlevsen 1927); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b, Steiner 1916a).

*Anaplectus porosus* Allen and Noffsinger, 1968

**Notes:** Svalbard (Klekowski and Opalinski 1986, Klekowski and Opalinski 1990, Klekowski and Opalinski 1992, Loof 1971).

*Arctiplectus alaskanus* Andrássy, 2003*

**Notes:** Alaska (Andrássy 2003b).

*Perioplectus labiosus* (Sanwal, 1968)

**Nomenclature:**

*Periplectus labiosus* Sanwal, 1968*

**Notes:** Nunavut, Canada (Sanwal 1968, Zell 1993).
Perioplectus secundus Andrássy, 2003*

Notes: Alaska (Andrássy 2003b).

Plectus acuminatus Bastian, 1865

Notes: Svalbard (Loof 1971); Alaska (Andrássy 2003b); Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

Plectus amorphotelus Ebsary, 1985

Notes: Svalbard (Zell 1993).

Plectus aquatilis Andrássy, 1984

Notes: Svalbard (Janiec 1997).

Plectus cf. armatus Butschli, 1873

Notes: Svalbard (Loof 1971).

Plectus assimilis Bütschli, 1873

Nomenclature:
Ceratoplectus assimilis (Bütschli, 1873)

Notes: Svalbard (Loof 1971); Greenland (Zell 1993); Alaska (Andrássy 2003b); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Plectus cancellatus Zullini, 1978

Nomenclature:
Plectus thornei sensu Zell, 1993

Notes: Nunavut, Canada (Ebsary 1985, Zell 1993).

Plectus cirratus Bastian, 1865

Notes: Svalbard (Klekowski and Opalinski 1986, Klekowski and Opalinski 1990, Klekowski and Opalinski 1992, Menzel 1920); Jan Mayen (Allgén 1953); Greenland (Ditlevsen 1927); Alaska (Andrássy 2003b); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 2001a, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).
**Plectus communis** Bütschli, 1873

*Notes:* Svalbard (Menzel 1920, Zell 1993); Iceland (Zell 1993); Greenland (Allgén 1954).

**Plectus cornus** Maggenti, 1961

*Nomenclature:*

*Ceratoplectus cornus* (Maggenti, 1961)

*Notes:* Svalbard (Loof 1971, Zell 1993); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1976, Kuzmin and Gagarin 1990).

**Plectus elongatus** Maggenti, 1961

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Plectus geophilus** de Man, 1880

*Nomenclature:*

*Plectus minor* Novikova & Gagarin, 1971

*Notes:* Svalbard (Loof 1971, Zell 1993); Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

**Plectus inquirendus** Andrássy, 1958

*Notes:* Svalbard (Loof 1971, Zell 1993); Alaska (Andrássy 2003b); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Plectus intermedius** Cobb, 1893

*Notes:* Nunavut, Canada (Zell 1993).

**Plectus longicaudatus** Bütschli, 1873

*Notes:* Svalbard (Loof 1971, Zell 1993); Jan Mayen (Allgén 1953); Iceland (Zell 1993); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Plectus magadani** Kuzmin, 1979

*Notes:* Svalbard (Zell 1993).
**Plectus murrayi** Yeates, 1970

**Notes:** Svalbard (Zell 1993).

**Plectus cf. opisthocirculus** Andrássy, 1952

**Notes:** Svalbard (Janiec 1997).

**Plectus palustris de Man, 1880**

**Notes:** Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

**Plectus parietinus** Bastian, 1865

**Nomenclature:**

*Plectus cirratus* Bastian, 1865 f. *parietinus* Bastian, 1865

**Notes:** Svalbard (Janiec 1997, Klekowski and Opalinski 1986, Klekowski and Opalinski 1990, Klekowski and Opalinski 1992, Loof 1971, Opalinski and Klekowski 1992); Jan Mayen (Allgén 1953); Iceland (Zell 1993); Alaska (Andrássy 2003b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1996, Gagarin 2001b, Gagarin 20001a, Gagarin and Kuzmin 1983, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).

**Plectus parvus** Bastian, 1865

**Notes:** Svalbard (Loof 1971, Zell 1993); Iceland (Zell 1993); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Plectus rhizophilus** de Man, 1880

**Nomenclature:**

*Plectus cirratus* Bastian, 1865 var. *rhizophilus* de Man, 1880

**Notes:** Svalbard (Loof 1971, Zell 1993); Jan Mayen (Allgén 1953, Steiner 1916a); Greenland (Allgén 1954); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin and Kuzmin 1983, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).
**Plectus rotundilabiatus** Zell, 1993

*Notes:* Iceland (Zell 1993).

**Plectus tenuis** Bastian, 1865

*Notes:* Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 1999a, Gagarin 2001b).

**Plectus varians** Maggenti, 1961

*Notes:* Iceland (Zell 1993); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1976).

**Plectus velox** Bastian, 1865

*Notes:* Svalbard (Zell 1993).

**Tylocephalus auriculatus** (Bütschli, 1873)

*Nomenclature:*

*Plectus auriculatus* Bütschli, 1873

*Notes:* Jan Mayen (Steiner 1916a); Nunavut, Canada (Anderson 1966); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Ereptonema arcticum** Loof, 1971*

*Notes:* Svalbard (Boström 1987a, Holovachov et al. 2003, Loof 1971).

**Ereptonema fimbriatum** Anderson, 1966*

*Notes:* Nunavut, Canada (Anderson 1966).

**Wilsonema otophorum** (de Man, 1880)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).
Family Metateratocephalidae

*Metateratocephalus crassidens* (de Man, 1880)

**Nomenclature:**

*Teratocephalus crassidens* de Man, 1880; *Euteratocephalus crassidens* (de Man, 1880)

**Notes:** Svalbard (Boström 1989, Loof 1971); Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).

*Euteratocephalus palustris* (de Man, 1880)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Family Aulolaimidae

*Aulolaimus oxycephalus* de Man, 1880

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

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Family Teratocephalidae

*Teratocephalus costatus* Andrássy, 1958

**Nomenclature:**

*Teratocephalus decarinus* Anderson, 1969*

**Notes:** Svalbard (Boström 1989, Loof 1971); Nunavut, Canada (Anderson 1969); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

*Teratocephalus dadayi* Andrássy, 1968

**Nomenclature:**

*Teratocephalus subvexus* Anderson, 1969*

**Notes:** Nunavut, Canada (Anderson 1969).
**Teratocephalus lirellus** Anderson, 1969*

**Notes:** Svalbard (Boström 1989, Loof 1971); Nunavut, Canada (Anderson 1969); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Teratocephalus tenuis** Andrássy, 1958

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Teratocephalus terrestris** (Bütschli, 1873)

**Notes:** Svalbard (Boström 1989); Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Family Alloionematidae**

**Rhabditophanes schneideri** (Bütschli, 1873)

**Nomenclature:**

*Cheilobus quadrilabiatus* Cobb, 1924

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Family Panagrolaimidae**

**Panagrolaimus papillosus** Loof, 1971*

**Notes:** Svalbard (Loof 1971).

**Panagrolaimus rigidus** (Schneider, 1866)

**Notes:** Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1976, Kuzmin and Gagarin 1990).

**Family Cephalobidae**

**Cephalobus filiformis** de Man, 1876

**Nomenclature:**

species inquirenda

**Notes:** Jan Mayen (Allgén 1953).
**Cephalobus persegnis** Bastian, 1865

*Notes:* Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Acrobeloides buetschlii** (de Man, 1884)

*Nomenclature:*

*Cephalobus buetschlii* de Man, 1884

*Notes:* Svalbard (Menzel 1920); Jan Mayen (Steiner 1916a); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Acrobeloides enoploides** Loof, 1971*

*Notes:* Svalbard (Loof 1971).

**Acrobeloides nanus** (de Man, 1880)

*Nomenclature:*

*Cephalobus nanus* de Man, 1880

*Notes:* Svalbard (Loof 1971).

**Acrobeloides tricornis** (Thorne, 1925)

*Notes:* Svalbard (Boström 1987a, Loof 1971).

**Eucephalobus arcticus** Loof, 1971*

*Notes:* Svalbard (Boström 1987a, Loof 1971).

**Eucephalobus mucronatus** (Kozlovska & Roguska-Wasilewska, 1963)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Eucephalobus oxyuroides** (de Man, 1876)

*Nomenclature:*

*Cephalobus oxyuroides* de Man, 1876

*Notes:* Svalbard (Loof 1971); Jan Mayen (Allgén 1953).
Eucephalobus paracornutus De Coninck, 1943

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Eucephalobus striatus (Bastian, 1865)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Pseudacrobeles elongatus (de Man, 1880)

Nomenclature:
Cephalobus elongatus de Man, 1880; Heterocephalobus elongatus (de Man, 1880)

Notes: Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b, Kuzmin 1972, Kuzmin and Gagarin 1990).

Chiloplacus lentus (Maupas, 1900)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Chiloplacus quintastriatus Sumenkova in Sumenkova & Razjivin, 1968

Nomenclature:
Chiloplacus saccatus Loof, 1971*

Notes: Svalbard (Boström 1987a, Loof 1971).

Chiloplacus symmetricus (Thorne, 1925)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Chiloplacus trilineatus Steiner, 1940

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Stegelletina insubrica (Steiner, 1914)

Nomenclature:
Cervidellus insubricus (Steiner, 1914); Ypsilonellus insubricus (Steiner, 1914)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).
**Stegelletina similis** (Thorne, 1925)

**Nomenclature:**

*Stegelleta mucronata* Loof, 1971*

**Notes:** Svalbard (Loof 1971).

**Cervidellus vexilliger** (de Man, 1880)

**Nomenclature:**

*Cervidellus serratus* (Thorne, 1925); *Ypselonellus vexilliger* (de Man, 1880)

**Notes:** Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Cervidellus spitzbergensis** Boström, 1987*

**Notes:** Svalbard (Boström 1987b).

**Acrobeles ciliatus** von Linstow, 1877

**Notes:** Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Aphelenchoididae**

**Aphelenchoides arcticus** Sanwal, 1965*

**Notes:** Svalbard (Loof 1971); Nunavut, Canada (Sanwal 1965); Lena River estuary, Russia (Gagarin 2001b).

**Aphelenchoides blastophthorus** Franklin, 1952

**Notes:** Lena River estuary, Russia (Gagarin 2001b).

**Aphelenchoides echinocaudatus** Haque, 1968

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).
Aphelenchoides goeldii (Steiner, 1914)

Nomenclature:
Aphelenchus goeldii Steiner, 1914

Notes: Jan Mayen (Steiner 1916a).

Aphelenchoides parasaprophilus Sanwal, 1965*

Notes: Nunavut, Canada (Sanwal 1965); Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b).

Aphelenchoides parietinus (Bastian, 1865)

Nomenclature:
Aphelenchus modestus de Man, 1876

Notes: Jan Mayen (Steiner 1916a); Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

Aphelenchoides robustus Gagarin, 1997*

Notes: Novaya Zemlya and Vaigach island, Russia (Gagarin 1997c, Gagarin 1997a, Gagarin 2001b).

Aphelenchoides saprophilus Franklin, 1957

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

Aphelenchoides subtenuis (Cobb, 1926)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Family Tylenchidae

Aglenchus agricola (de Man, 1884)

Notes: Greenland (Brzeski 1999); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).
**Coslenchus costatus** (de Man, 1921)

**Nomenclature:**

*Tylenchus costatus* de Man, 1921

**Notes:** Svalbard (Loof 1971); Greenland (Brzeski 1999); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Basiria dolichura** Loof, 1971*

**Notes:** Svalbard (Loof 1971).

**Lelenchus leptosoma** (de Man, 1880)

**Nomenclature:**

*Tylenchus leptosoma* de Man, 1880; *Anguillulina leptosoma* (de Man, 1880); *Filenchus leptosoma* (de Man, 1880)

**Notes:** Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

**Filenchus cylindricaudus** (Wu, 1969)

**Nomenclature:**

*Tylenchus cylindricaudus* Wu, 1969*

**Notes:** Nunavut, Canada (Wu 1969b).

**Filenchus cylindricus** (Thorne & Malek, 1968)

**Notes:** Lena River estuary, Russia (Gagarin 2001b).

**Filenchus discrepans** (Andrássy, 1954)

**Nomenclature:**

*Lelenchus discrepans* Andrássy, 1954; *Ottolenchus discrepans* (Andrássy, 1954)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

**Filenchus ditissimus** (Brzeski, 1963)

**Nomenclature:**

*Tylenchus ditissimus* Brzeski, 1963
Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin and Kuzmin 1983, Kuzmin and Gagarin 1990).

Filenchus facultativus (Szczygiel, 1970)

Notes: Greenland (Brzeski 1999).

Filenchus filiformis (Bütschli, 1873)

Nomenclature:

species inquirenda; Tylenchus filiformis Bütschli, 1873; Tylenchus (Filenchus) filiformis Bütschli, 1873

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

Filenchus hamatus (Thorne & Malek, 1968)

Notes: Greenland (Brzeski 1999).

Filenchus hazanensis (Wu, 1969)

Nomenclature:

Tylenchus hazenensis Wu, 1969*; Dactylotylenchus filiformis Wu, 1969*

Notes: Nunavut, Canada (Wu 1969b, Wu 1969a).

Filenchus minutus (Cobb, 1893)

Nomenclature:

species inquirenda

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Filenchus misellus (Andrássy, 1958)

Notes: Greenland (Brzeski 1999).

Filenchus orbus Andrássy, 1954

Nomenclature:

Tylenchus aquilonius Wu, 1969*

Notes: Greenland (Brzeski 1999); Nunavut, Canada (Wu 1969b).
**Filenchus quartus** (Szczygiel, 1969)

Notes: Greenland (Brzeski 1999).

**Filenchus thornei** (Andrássy, 1954)

Nomenclature:

Tylenchus thornei Andrássy, 1954

Notes: Svalbard (Loof 1971); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Malenchus acarayensis** Andrássy, 1968

Notes: Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Malenchus bryophilus** (Steiner, 1914)

Nomenclature:

Tylenchus bryophilus Steiner, 1914

Notes: Svalbard (Loof 1971); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b).

**Malenchus exiguus** (Massey, 1969)

Nomenclature:

Ottolenchus sulcis Wu, 1970*

Notes: Nunavut, Canada (Wu 1970).

**Tylenchus davainei** Bastian, 1865

Nomenclature:

Anguillulina davainei (Bastian, 1865); Filenchus davainei (Bastian, 1865)

Notes: Svalbard (Loof 1971); Jan Mayen (Allgén 1953); Greenland (Brzeski 1999, Ditlevsen 1927); Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin and Kuzmin 1983, Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2001b, Steiner 1916a).
**Tylenchus neodavainei** Wu, 1969*

*Notes:* Nunavut, Canada (Wu 1969b).

**Tylenchus stylolineatus** Wu, 1969*

*Notes:* Nunavut, Canada (Wu 1969b).

**Family Dolichodoridae**

**Meiodorus hyalacus** (Anderson & Ebsary, 1982)

*Nomenclature:*

*Mulveyotus hyalacus* Anderson & Ebsary, 1982*

*Notes:* Nunavut, Canada (Anderson and Ebsary 1982).

**Geocenamus arcticus** (Mulvey, 1969)

*Nomenclature:*

*Tylenchorhynchus arcticus* Mulvey, 1969*

*Notes:* Svalbard (Loof 1971); Nunavut, Canada (Mulvey 1969a); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

**Geocenamus brevidens** (Allen, 1955)

*Nomenclature:*

*Merlinius brevidens* (Allen, 1955)

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Geocenamus circellus** (Anderson & Ebsary, 1982)

*Nomenclature:*

*Merlinius circellus* Anderson & Ebsary, 1982*

*Notes:* Nunavut, Canada (Anderson and Ebsary 1982).

**Geocenamus joctus** (Thorne, 1949)

*Nomenclature:*

*Tetylenchus joctus* Thorne, 1949

*Notes:* Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).
Geocenamus loofi (Siddiqi, 1979)

Nomenclature:
Tetylenchus joctus sensu Loof, 1971; Merlinius loofi Siddiqi, 1979

Notes: Svalbard (Loof 1971, Siddiqi 1979).

Geocenamus microdorus (Geraert, 1966)

Nomenclature:
Tylenchorhynchus microdorus Geraert, 1966

Notes: Svalbard (Loof 1971).

Geocenamus tetylus (Anderson & Ebsary, 1982)

Nomenclature:
Merlinius tetylus Anderson & Ebsary, 1982*

Notes: Nunavut, Canada (Anderson and Ebsary 1982).

Nagellus borealis Powers, Baldwin & Bell, 1983*

Notes: Alaska (Powers et al. 1983).

Nagellus grandis (Allen, 1955)

Nomenclature:
Tylenchorhynchus grandis Allen, 1955

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Nagelus leptus (Allen, 1955)

Nomenclature:
Tylenchorhynchus leptus Allen, 1955

Notes: Svalbard (Loof 1971); Greenland (Brzeski 1999); Nunavut, Canada (Mulvey 1969a); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

Nagellus lineatus (Allen, 1955)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).
**Nagellus obscurus** (Allen, 1955)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Nagellus parobscurus** (Mulvey, 1969)

**Nomenclature:**

Tylenchorhynchus parobscurus Mulvey, 1969*

**Notes:** Nunavut, Canada (Mulvey 1969a).

**Tylenchorhynchus dubius** (Bütschli, 1873)

**Nomenclature:**

Bitylenchus dubius (Bütschli, 1873)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin 1976, Kuzmin and Gagarin 1990).

**Tylenchorhynchus nanus** Allen, 1955

**Nomenclature:**

Geocenamus nanus (Allen, 1955); Merlinius nanus (Allen, 1955)

**Notes:** Greenland (Brzeski 1999); Taymyr and Severnaya Zemlya, Russia (Kuzmin 1986, Kuzmin and Gagarin 1990).

**Tylenchorhynchus cf. nothus** Allen, 1955

**Notes:** Svalbard (Loof 1971).

**Tylenchorhynchus parvus** Allen, 1955

**Nomenclature:**

Bitylenchus parvus (Allen, 1955)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Family Hoplolaimidae**

**Rotylenchus brevicaudatus** (Hopper, 1959)

**Nomenclature:**

Pararotylenchus brevicaudatus (Hopper, 1959)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).
Helicotylenchus platyurus Perry in Perry, Darling & Thorne, 1959

Notes: Greenland (Brzeski 1999).

Helicotylenchus spitsbergenensis Loof, 1971*

Notes: Svalbard (Loof 1971); Greenland (Brzeski 1999).

Helicotylenchus varicaudatus Yuen, 1964

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

Family Pratylenchidae

Pratylenchoides crenicauda Winslow, 1958

Notes: Svalbard (Loof 1971).

Pratylenchoides magnicauda (Thorne, 1935)

Nomenclature:
Tylenchorhynchus magnicauda (Thorne, 1935)

Notes: Svalbard (Loof 1971).

Pratylenchus pratensis (de Man, 1880)

Nomenclature:
Anguillulina pratense (de Man, 1880)

Notes: Jan Mayen (Allgén 1953).

Hirschmanniella gracilis (de Man, 1880)

Nomenclature:
Tylenchus gracilis Cobb (lapsus)

Notes: Svalbard (von Linstow 1900).

Hirschmanniella trimucronata Gagarin, 2000*

Notes: Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a, Gagarin 2000, Gagarin 2001b).
Family Criconematidae

*Criconemoides annulatus* Cobb in Taylor, 1936

**Nomenclature:**

*Criconemoides hemisphaericus* Wu, 1965*

**Notes:** Svalbard (Loof 1971); Nunavut, Canada (Wu 1965).

Family Tylenchulidae

*Paratylenchus macrophallus* (de Man, 1880)

**Nomenclature:**

species inquirenda; *Anguillulina macrophallum* (de Man, 1880)

**Notes:** Jan Mayen (Allgén 1953).

*Paratylenchus cf. projectus* Jenkins, 1956

**Notes:** Greenland (Brzeski 1999).

Family Anquinidae

*Anguina agrostis* (Steinbuch, 1799)

**Notes:** Nunavut, Canada (Mulvey 1963).

*Subanguina askenasyi* (Bütschli, 1873)

**Nomenclature:**

*Ditylenchus askenasyi* (Bütschli, 1873)

**Notes:** Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b).

*Ditylenchus acutatus* Brzeski, 1991

**Notes:** Greenland (Brzeski 1999).

*Ditylenchus dryadis* Anderson & Mulvey, 1980*

**Notes:** Nunavut, Canada (Anderson and Mulvey 1980).
**Ditylenchus equalis** Heyns, 1964

*Notes*: Greenland (Brzeski 1999).

**Ditylenchus intermedius** (de Man, 1880)

*Notes*: Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Nothotylenchus acris** Thorne, 1941

*Notes*: Nunavut, Canada (Mulvey 1969b); Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

**Nothotylenchus acutus** Khan, 1965

*Notes*: Nunavut, Canada (Mulvey 1969b).

**Nothotylenchus attenuatus** Mulvey, 1969*

*Notes*: Nunavut, Canada (Mulvey 1969b).

**Nothotylenchus cf. danubialis** Andrássy, 1960

*Notes*: Nunavut, Canada (Mulvey 1969b).

**Family Neotylenchidae**

**Deladenus durus** (Cobb, 1922)

*Notes*: Nunavut, Canada (Das 1964).

**Hadrodenus megacondylus** Mulvey, 1969*

*Notes*: Nunavut, Canada (Mulvey 1969b).

**Hexatylus mulveyi** Das, 1964*

*Notes*: Nunavut, Canada (Das 1964).

**Prothallonema mucronatum** (Thorne & Malek, 1968)

*Nomenclature:*

*Stictylus mucronatus* Thorne & Malek, 1968
Notes: Greenland (Brzeski 1999); Nunavut, Canada (Mulvey 1969b).

Family Bunonematidae

*Bunonema hessi* Steiner, 1914

Notes: Novaya Zemlya and Vaigach island, Russia (Steiner 1916b).

*Bunonema reticulatum* Richters, 1905

Notes: Svalbard (Loof 1971).

Family Diplogastridae

*Diplogaster rivalis* (Leydig, 1854)

Notes: Lena River estuary, Russia (Gagarin 2001b).

*Goffartia variabilis* (Micoletzky, 1922)

Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a, Gagarin 2008).

*Fictor fictor* (Bastian, 1865)

Notes: Taymyr and Severnaya Zemlya, Russia (Kuzmin and Gagarin 1990).

*Fictor shoshini* Gagarin, 1995*

Notes: Lena River estuary, Russia (Gagarin 1995, Gagarin 2001b); Novaya Zemlya and Vaigach island, Russia (Gagarin 1997a).

*Koerneria angarensis* (Gagarin, 1983)

Nomenclature: *Fictor angarensis* (Gagarin, 1983)

Notes: Lena River estuary, Russia (Gagarin 2001b); Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 2001b, Gagarin 2001a).

*Koerneria ruricola* (Gagarin, 1983)

Nomenclature: *Fictor ruricola* (Gagarin, 1983)
Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin 2001b).

**Mononchoides intermedius** Gagarin, 1993

Notes: Taymyr and Severnaya Zemlya, Russia (Gagarin 1996, Gagarin 2001b).

Family Rhabditidae

**Choriorhabditis gracilicauda** (de Man, 1876)

Nomenclature:
*Rhabditis gracilicauda* de Man, 1876

Notes: Jan Mayen (Allgén 1953).

**Choriorhabditis producta** (Schneider, 1866)

Nomenclature:
*Anguillulina intermedia* (de Man, 1880)

Notes: Jan Mayen (Allgén 1953).

**Rhabditis terricola** Dujardin, 1844

Nomenclature:
*Rhabditis aspera* Bütschli, 1873

Notes: Jan Mayen (Allgén 1953).

**Aphelenchus nivalis** Aurivillius, 1883*

Notes: Inquirenda et incertae sedis. Svalbard (Aurivillius 1883).

**Macfadyenia filicaudata** Allgén, 1953*

Notes: Inquirenda et incertae sedis. Jan Mayen (Allgén 1953).

**Parachromagasteriella arctica** Allgén, 1953*

Notes: Inquirenda et incertae sedis. Jan Mayen (Allgén 1953).

**Plectus cirratus** f. *parietinus* sf. *latilaimus* Allgén, 1953*

Notes: Inquirenda et incertae sedis. Jan Mayen (Allgén 1953).
**Prodomorganus tajmiris** Gagarin, 1993*

**Notes:** Inquirenda et incertae sedis. Taymyr and Severnaya Zemlya, Russia (Gagarin 1990, Gagarin 1993, Gagarin 2001b).

**Teratocephalus micrurus** Rahm, 1924

**Notes:** Inquirenda et incertae sedis. Taymyr and Severnaya Zemlya, Russia (Kuzmin 1972, Kuzmin and Gagarin 1990).

**Tylenchus macrospiculatus** Gagarin, 1997

**Notes:** Nomen nudum. Novaya Zemlia and Vaigach island, Russia (Gagarin 1997a).

**Discussion**

Despite of more than 130 years of research, our knowledge on the diversity and distribution of Arctic nematodes is still very incomplete and limited to only few relatively small areas of the region. The first studies of Arctic nematodes date back to 1883, when the first nematode was described from Spitzbergen (Aurivillius 1883). The taxonomic position of the species *Aphelenchus nivalis* Aurivillius, 1883 remains uncertain and its type material can not be located for re-study. After Aurivillius, the nematode fauna of Svalbard archipelago was studied by von Linstow (1900), Menzel (1920), Boström (1987a), Boström (1987b), Boström (1989), Zell (1993) and to a lesser extent by Brzeski (1962), Siddiqi (1979), Janiec (1997), Klekowski and Opalinski (1986), Klekowski and Opalinski (1990), Klekowski and Opalinski (1992), Opalinski and Klekowski (1992), Holovachov et al. (2003) adding up to the list of 101 species. Most of the sampling on Svalbard was concentrated around the west part of the Spitsbergen island and a large part of the archipelago remains unstudied. From other territories belonging to the Kingdom of Norway, 43 species of nematodes were found on the small island of Jan Mayen (Allgén 1953, Steiner 1916a), while no information is available for the northernmost part of the Finnmark.

Most of the nematological research in the Iceland was focused in southern and western part of the island (De Coninck 1940, De Coninck 1943, De Coninck 1944), which is considered as Subarctic in the current publication. Sampling sites from the northern part of the country were also outside the boundary considered in the present paper (Kreis 1963, Starmühlner 1969). A small part of the Arctic of the Iceland has not been studied to any considerable extent – only six species from the genus *Plectus* are listed from the areas near Húsavík and Tjörnes by Zell (1993). Terrestrial nematode fauna of Greenland, on the other hand, received considerable attention from Ditlevsen (1927), Allgén (1954), Zell (1993), Brzeski (1999), who altogether reported 43 species of nematodes collected in several distant localities along the eastern (Little Pendulum Island and Angmagssalik) and western (Disko island, Kangerlussuaq, Kapisillit, Sukkertoppen and Upernavik) sides of the island.
Nematode fauna of the Arctic regions of Canada is studied comparatively better. The research was focused in several localities in the Nunavut province including Bathurst, Ellef Ringnes, Ellesmere and Somerset islands (Anderson 1966, Anderson 1969, Anderson and Ebsary 1982, Anderson and Mulvey 1980, Das 1964, Ebsary 1984, Ebsary 1985, Elshishka et al. 2013, Mulvey 1963, Mulvey 1967b, Mulvey 1967a, Mulvey 1969c, Mulvey 1969a, Mulvey 1969b, Mulvey 1978, Sanwal 1965, Sanwal 1968, Wu 1965, Wu 1969b, Wu 1969a, Wu 1970, Zell 1993), and in the small area of the Mackenzie River delta and Tuktoyaktok in the Northwest territories (Ebsary 1982, Eveleigh 1982, Mulvey 1978, Mulvey and Anderson 1979). Respectively, 55 and 13 species were described from these regions between 1963 and 1993. Much less is known about the nematodes from the Arctic regions of Alaska – only 22 species were recorded there by Andrássy (2003a), Andrássy (2003b), Andrássy (2003c), Bernard (1992), Powers et al. (1983). Studied localities include Prudhoie Bay and neighbouring North Slope and Brooks Range, as well as localities along Kobuk River near Noorvik and Unalakleet River near Unalakleet.

Fauna of the Russian part of the Arctic lists the largest number of nematode species, including many typical freshwater nematodes, but known from only three distinct geographic regions: Novaya Zemlya archipelago together with Vaygach island, Taymyr peninsula together with Severnaya Zemlya, and the Lena River estuary. So far, only 37 species of freshwater nematodes are known from the Lena River estuary (Gagarin 1995, Gagarin 1999b, Gagarin 2000, Gagarin 2001b). The list of nematodes from the Novaya Zemlya archipelago and Vaygach island includes 81 nematode species, both terrestrial (Steiner 1916b) and freshwater (Gagarin 1997c, Gagarin 1997b, Gagarin 1997a, Gagarin 1999a, Gagarin 2000, Gagarin 2001c, Gagarin 2001b). Arctic areas of the Taymyr peninsula and Severnaya Zemlya are the most intensively studied part of the Arctic with localities including the Taymyr Lake, Enisei River, Putorana Plateau, Cape Chelyuskin – 229 species of freshwater and terrestrial nematodes were reported from different sampling sites of this region over the past 40 years (Elshishka et al. 2012, Elshishka et al. 2013, Gagarin 1990, Gagarin 1991a, Gagarin 1991b, Gagarin 1993, Gagarin 1996, Gagarin 1999a, Gagarin 2001b, Gagarin 2001a, Gagarin 2008, Gagarin 2009, Gagarin and Kuzmin 1972, Gagarin and Kuzmin 1983, Kuzmin 1972, Kuzmin 1976, Kuzmin 1986, Kuzmin and Gagarin 1990).

In summary, 391 species, belonging to 146 genera, 54 families, and 10 orders of the phylum Nematoda are known from the entire Arctic (including species of dubious taxonomic status, but excluding single nomen nudum). Even taking into consideration relatively low variety of habitats in this region, comparing to other areas of the world, as well as the rather harsh environmental conditions, this list is considered to be very incomplete and preliminary.

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