



Phylum Nematoda: a classification, catalogue and index of valid genera, with a census of valid species

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Abstract

A classification of the entire Phylum Nematoda is presented, based on current molecular, developmental and morphological evidence. The classification reflects the evolutionary relationships within the phylum, as well as significant areas of uncertainty, particularly related to the early evolution of nematodes. It includes 3 classes, 8 subclasses, 12 superorders, 32 orders, 53 suborders, 101 superfamilies, 276 families, 511 subfamilies, 3030 genera, and 28537 species. All valid species named from the time of publication of the previous classification and census (2010) to the end of 2019 are listed, along with the number of valid species in each genus. Taxonomic authorities are provided for taxon names of all ranks. The habitats where the species in each genus are found are listed, and an alphabetic index of genus names is provided. The systematics of nematodes is reviewed, along with a history of nematode classification; evolutionary affinities and origins of nematodes; and the current diagnosis of the group. Short overviews of the general biology, ecology, scientific and economic importance of the group are presented.

Key words: nematodes, systematics, taxonomy, biodiversity

Introduction

Nematodes are important ecologically and economically (Barker *et al.* 1994, Hodda & Khudhir 2022, Hodda *et al.* 2009, Lamshead 1993, 2004, Yeates *et al.* 2009). They interact in many ways with many different organisms in many food webs, influence physical processes such as decomposition, carbon and nutrient cycling, and are used for biomonitoring or indicating broader ecosystem properties like resilience, evolutionary hotspots, energy or nutrient transfers (Hodda 2021, 2022b). The economic value of nematode parasitism of plants and animals is large (Barker *et al.* 1994, Hodda 2009a, b, Sasser & Freckman 1986, Yeates *et al.* 1993). Furthermore, the economic value can be positive (when it involves control of pests or weeds) or negative (when it decreases crop or livestock production or human health) (Hodda 2009a, b). Identifying nematode species is therefore very important.

One of the reasons for nematodes' large range of interactions with the physical and biological worlds is that nematodes are very diverse: there are a lot of species and they differ substantially from each other so that there are many higher taxonomic groups as well as many species. Exactly how many nematode species there are is not definitively known. The smallest estimate of total number of nematode species is half a million, while the largest is 20 times that—10 million species (Grassle 1989, Grassle & Maciolek 1992, Hodda 2022a, Hodda & Khudhir 2022, Hugot *et al.* 2001, Lamshead 1993, Lamshead & Boucher 2003, May 1988, Stork 1993). The extreme variance in these estimates shows how little is definitively known about nematode species.

We are not even sure of how much we know about nematode species. Estimates of the proportion of nematode species known vary from much less than 1% to around 5%, making them among the least described taxa, and certainly the least described of the mega-diverse animal phyla (Andrassy 1999, 2007, Hodda 2022a). Progress in describing nematode species has been slow, but the rate of descriptions is increasing slowly to the current rate of about 400 species per year (Hodda 2022a). This is less than 0.1% of the estimated total number of species, but 1.5% of the number of known, described species (Hodda 2022a). What it means is that around 13% or an eighth of described species have been described in the last 10 years (Hodda 2022a).

Updates and reconsiderations of nematode classification have not kept up with this rate of new descriptions. A complete history of nematode classifications was presented in 2007, with additions to 2011 published subsequently (Hodda 2007, 2011). The last comprehensive, phylogenetic classification of nematodes was published in 2011 as an update of a classification from 2007 (Hodda 2007, 2011). The 2011 classification included the results of several large-scale sequencing studies of nematodes and did alter the classification somewhat, although many nodes remained unresolved in the molecular phylogenies (Holterman *et al.* 2006, Meldal *et al.* 2007, Nadler *et al.* 2007, Smythe *et al.* 2006, Van Megen *et al.* 2009). (A list compiled for the Catalogue of Life (COL) in 2016 directly involved no nematode specialists and represented a consensus of previous classifications rather than an update including currently understood phylogeny (Ruggiero *et al.* 2015)). Otherwise, despite the substantial numbers of new species described and accumulation of genetic information, there has been no update of nematode classification for the last 10 years.

This paper presents a comprehensive classification of the entire Phylum Nematoda, based on all available evidence (see below). It includes fossil species, and lists all valid genera, with the number of known species in each. Known species numbers are also tallied for all taxonomic ranks. Also provided is an alphabetic list of all genera, the authors of the name, the family, order, and the habitat(s) in which they are found.

Evidence used

The classification is based on morphological, molecular and developmental evidence. Much of this came from previous classifications of all or part of Nematoda (Adamson 1987, Andrassy 1976, 1984, Chitwood 1937, 1950, Chitwood & Chitwood 1933, De Coninck 1965, Drozdovsy 1981, Filipjev 1934, Filipjev & Schuurmans Stekhoven 1941, T. Goodey 1951, J.B. Goodey 1963, Heip *et al.* 1982, Inglis 1983, Lorenzen 1994, Maggenti 1963, 1982, 1991, Malakhov 1986, 1994, Malakhov & Hope 1994, Malakhov *et al.* 1982, Siddiqi 2000). Most of these sources make assumptions about certain characteristics being shared among all representatives of particular taxonomic groups: that is, the classifications are divisive not agglomerative. It may be true that all the members of a group under these classifications all share particular characteristics, but in most cases this is an extrapolation from a subset of the included species. In some cases, data from all known species was not assembled. In other cases data on the particular characteristics was not available for all species and only started being routinely collected as a result of being proposed as a phylogenetically important attribute. In still other cases, characteristics supposedly shared among all of a taxonomic group are known to be absent in some members but assumed primarily present and secondarily lost or modified.

A notable exception to the above is the classification proposed by Lorenzen (1984, 1991). This classification, covering primarily Chromadoria, was quite explicit in exactly what characteristics had been observed in what species, and the extrapolations made in assuming all members of particular groups shared these characteristics. There were quite a few such extrapolations, even though there was an explicit effort to view and record the characteristics of at least one representative of every major taxonomic group.

The present classification is based on similar assumptions and does not claim to have verified that every member of every taxonomic group proposed shares all the diagnostic characteristics of the group, be that group a genus, family, order, class or intermediate taxonomic rank. However, assumptions that particular characteristics are shared by all members of a taxonomic group (genus, subtribe, tribe, subfamily, family, superfamily, suborder, order, superorder, subclass, or class) were checked by using specimens or published information from members of the group (that is, species, genus, subtribe, tribe, subfamily, family, superfamily, suborder, order, superorder, or subclass, respectively) where they were available. The net result is that most of the taxa at most taxonomic ranks were at least sampled to ensure that the members of the taxon do share the same diagnostic characteristics, and that they are the diagnostic characteristics of the taxon.

Molecular phylogenies covering substantial portions of Nematoda also provided substantial evidence for relationships (Aleshin *et al.* 1998, Blaxter *et al.* 2000, De Ley & Blaxter 2002, 2004, Holterman *et al.* 2006, Litvaitis *et al.* 2000, Meldal *et al.* 2007, Nadler *et al.* 2007, Smythe *et al.* 2006, Van Megen *et al.* 2009). However, like morphology (above) and development (below), the availability of molecular characteristics that can be used to infer evolutionary relationships is far from universal among nematode species and larger taxonomic groups. Furthermore, where genomic information was available, it was not always the same part of the genome in all species, and therefore informative for comparing species. Even when comparable information was available, it was not necessarily phylogenetically informative: some nematode species and genera have very similar sequences for the gene regions most frequently sequenced. The net result of all these considerations is that composition and support

for the various taxonomic groups remained dependent on the particular gene region and the nematodes included in an analysis, as well as the methods of alignment and phylogenetic reconstruction used. Although many of the phylogenies produced using molecular data are broadly similar, there are significant differences, and consequently the classifications implied are only broadly similar. More importantly, there are substantial differences in the support for many groups and support for many branches is low, meaning that other phylogenies have a similar likelihood. This means that alternative classifications may be very nearly equally likely to represent the real evolutionary history.

Irrespective of the taxa included or the methods of analysis, a phylogenetic tree for nematodes based purely on molecular criteria may be unresolvable due to closely spaced cladogenesis or availability of data for very few genes across many taxa (Rokas & Carroll 2005, Rokas *et al.* 2005). Differing rates of evolution in the different lineages may further complicate resolution of the phylogeny, due to incorrect interpretation of substitutions (Baurain *et al.* 2007). Of course, rapid diversification makes an order of branching difficult to resolve using evidence of any type—molecular, morphological or fossil (Conway Morris 1993).

See below for how the above characteristics of molecular data and the phylogenies inferred from them were used in the current classification.

Data on development was also used (Aleshin 2004, Baccetti *et al.* 1983, Justine 2002, Malakhov 1994, Schierenberg 2005, Schierenberg & Lahl 2004, Voronov *et al.* 1998, Yushin 2003a,b, Yushin *et al.* 2002, Yushin & Malakhov 2004). Developmental pathways are assumed a very basic attribute of multicellular organisms like nematodes, with a limited number of potentially different ways of producing viable organisms possible. Hence developmental pathways are likely to be conserved among large phylogenetic groups, and have been used frequently in classifications of many different types of organisms, particularly for higher taxa, such as phyla or classes. They have been suggested as providing good evidence for diagnosing classes of nematodes (Voronov *et al.* 1998). However, data on development is painstaking to obtain, and hence available for very few species. The species for which developmental data are available are mostly “model” species which are not representative of any particular taxonomic group; rather they are chosen because of characteristics which make them amenable to study or of particular scientific interest. The value of developmental characteristics for classifying nematodes is therefore limited by the assumptions above.

Data on eggs has been collected for more species of nematodes than has detailed data on developmental pathways (Christenson 1950). Furthermore, data on egg structure has been collected for a wider range of species than developmental pathways (Christenson 1950). However, the proportion of nematode species on which there is data on eggs is still very small, and analyses of its significance for phylogeny and classification are very limited. Therefore, eggs offer limited data for constructing classifications. They are, for example, used for diagnosing, genera and families of Metastrongylidae on the basis of egg shell thickness and sculpturing (Anderson 1978).

Even with all this data, including a lot on morphology, genetics and development from individual species and genera, and a lot more inferred from a consensus on the distribution of characteristics among the nematodes for which data is not available, significant unresolved differences remain in the phylogeny of nematodes. The many areas of nematode phylogeny remaining unresolved has resulted in considerable volatility in the compositions of many higher taxa as well as their ranks. Above the level of the genus nematode classification has been—and continues to be—unstable. In the current classification, the branch points in nematode phylogeny that are ambiguous, unsupported or differ between studies are regarded as polytomies. This continues the convention of many previous classifications (T. Goodey 1951, J.B. Goodey 1963, Hodda 2007, Lorenzen 1981, 1994).

It has been argued that nematode classification will always remain incomplete, but that an incomplete system nevertheless has attractions, provided its incompleteness is recognized (Lorenzen 1994). Incomplete systematic studies provide a closer approximation of the underlying system and a new starting point for further study (Lorenzen 1994).

The present classification, like all others before it, and those that will come after, is acknowledged imperfect and incomplete. However, it is presented here because it fills an important gap in our knowledge of nematode systematics by suggesting a comprehensive classification of the entire phylum using a uniform set of criteria—including marine, freshwater, and terrestrial taxa, along with free-living taxa and parasites of plants, invertebrates and vertebrates. And, as suggested, it provides the basis for studies of trends in nematode systematics and trophic groups (Hodda 2021a, b).

Conventions

Nominotypical subfamilies, tribes and subtribes have been inserted in the classification to facilitate electronic indexing, so that each genus or subgenus is allocated to all taxonomic ranks above, even where not strictly necessary.

Current names follow the Pearse (1936) system of endings for higher taxa, as advocated by several authors (Chitwood 1958, Pearse 1936), and in wide use in nematode taxonomy. Earlier authors, and those from the former USSR, used a different system of endings, and have been cited as authorities if clearly indicating the use of the name at the particular rank, irrespective of the ending applied to the stem name. In many cases the lower-level taxa included in a group now differs substantially from those when the name was proposed.

In previous versions of this classification, the authorities cited for taxa above the genus level were the first to use a name at a particular level, irrespective of the concept represented by the name, and irrespective of uses at other levels. This convention was followed to provide the maximum information. It allowed readers to apply the principle of coordination to these names (International Commission on Zoological Nomenclature 2000), while simultaneously providing information on the use of family-group names to indicate more and less inclusive groups. In nematodes, the concepts and taxa included within families may vary substantially; compare, for example, Andrassy (1976), Lorenzen (1994) and Sudhaus (2011). In many cases those first using the names of higher taxa do not clearly specify all or any of the characteristics of included taxa, and the concepts represented by some family names have changed considerably since they were first proposed. The first user of a name may not have provided sufficient diagnostic characteristics to ascertain how a family-group name should be used. In terms of the species included, many of the original designations of family names include groups no longer considered monophyletic, especially in the light of the recent molecular evidence, and so again the original user of a name may or may not be the one defining the group as currently constituted. For these reasons, the author specifying the diagnostic or apomorphic features, or listing a monophyletic group of species included in a family are often not the original authorities.

The current classification has applied the principle of coordination so that the original authority for a name from the family-group down is determined by priority and the type concept (International Commission on Zoological Nomenclature 2000). Because applying the principle of coordination provides less information than the previous alternative, uses of names at different ranks in the family group are now indicated in parentheses to enable tracing of use of names in the family group.

The names of species described from calendar years 2011 to 2019 (inclusive) are listed explicitly under their genus. The names of species described prior to 2011 are not listed unless subject to some taxonomic act, such as synonymization, reinstatement or assignment to a new combination from 2011 to 2019.

Numbers of species include all those accepted as valid and published before 2020, including fossils and species described from 2011 to 2019 as specified in the preceding paragraph.

The habitat for each genus is listed in the alphabetic compendium below the taxonomic listing. Trophic relationships and groups are discussed and presented in a separate paper (Hodda 2022b).

References are included for citations in the text or footnotes only. Taxonomic authorities for taxa in the classification are listed in the references only for the Family level and above, except for recent species names listed explicitly other than in the taxonomic section. Where there are multiple authors of names, all are listed. Compound names are hyphenated and fully capitalized in the classification and alphabetic list, and accented characters in non-english alphabets are anglicized.

An aim of the classification has been to minimise the changes in taxonomic rank of well-established groups (such as Suborder Tylenchina), in keeping with a general desire to minimise instability in classifications (International Commission on Zoological Nomenclature 2000). In practice, names at high taxonomic ranks like Class or Order are probably used less frequently than those at lower ranks like family or genus. Therefore, additional higher-level names are preferred to a large number of lower-level ranks. For this reason, superorders are defined (following Maggenti 1991) and the use of infraorders is eschewed (Blaxter *et al.* 2000, De Ley & Blaxter 2002, 2004). It may be that further study will result in some of these higher categories being unambiguously placed within others, but considerably more evidence will be required for this to occur given current, often contradictory, evidence.

Classification

Phylum **Nematoda** Cobb, 1932¹ (3 classes, 8 subclasses, 12 superorders, 32 orders, 53 suborders, 101 superfamilies, 275 families, 510 subfamilies, 3030 genera, 284537 species)^{2 3 4}

Class **Enoplea** Inglis, 1983 (3 subclasses, 4 superorders, 9 orders, 12 suborders, 19 superfamilies, 35 families, 63 subfamilies, 243 genera, 2297 species)⁵

Subclass **Enoplia** Pearse, 1942 (2 superorders, 8 suborders, 12 superfamilies, 21 families, 39 subfamilies, 145 genera, 1268 species)

Superorder **Enoplica** Hodda, 2007 (5 orders, 7 suborders, 11 superfamily, 20 families, 38 subfamilies, 143 genera, 1256 species)⁶

Order **Enoplida** Filipjev, 1929 (1 suborder, 3 superfamilies, 6 families, 10 subfamilies, 41 genera, 478 species)⁷

Suborder **Enoplina** Chitwood & Chitwood, 1937 (3 superfamilies, 6 families, 10 subfamilies, 41 genera, 478 species)

Superfamily **Enoploidea** Baird, 1853 (Schuurmans-Stekhoven & De-Coninck, 1933) (3 families, 5 subfamilies, 23 genera, 286 species)

1 Rudolphi (1808) is often cited as the author of the accepted name of the phylum, which is Nematoda. The first holophyletic diagnosis at Phylum rank used the name "Nemates" (Cobb 1932). The latter name has never been in wide use, and the competing claims of the two names have been discussed extensively (Chitwood 1957, 1958, Dougherty 1958a, 1958b). The International Code of Zoological Nomenclature does not insist on citing authorities for taxa above the Family group (ICZN 2000). Following the principle outlined in previous versions of the classification (Hodda 2007, 2011), Cobb (1932) is cited as authority because his use is the first holophyletic use, and also the first specifically as a phylum.

The taxonomic rank of the Nematoda has been very controversial in recent times. Some have ranked the nematodes as a phylum (eg Potts 1932, Pearse 1936, Chitwood 1940, Pearse 1942, Chitwood 1950, Inglis 1983, Maggenti 1991, Goodey 1963), and some as a class (eg Baylis & Daubney 1926, Filipjev 1929, Rauther 1930, Chitwood & Chitwood 1933, De Coninck & Shuurmans Stekhoven 1933, Andrassy 1976, Malakhov *et al.* 1982, Malakhov 1986). Most recently there has been some consensus that nematodes are a sufficiently distinct and well-defined group as to rank as Phylum Nematoda (Blaxter *et al.* 2000, De Ley & Blaxter 2002, 2004, Hodda 2007, 2011). There is much closer agreement on the orders of nematodes.

2 The evolutionary affinities of Nematoda have long been controversial (see discussion in Hodda 2007). The most recent molecular evidence has favoured affinities first with Nematomorpha, then with decreasing relationships to Kinorhyncha, Priapulida and Loricifera within a superphylum Ecdysozoa (Aguinaldo *et al.* 1997, Dunn *et al.* 2008). However, significant unresolved differences between phylogenies hypothesised using different taxa, assumptions, methods and lines of evidence remain.

3 The described species of Nematoda highly underestimates the estimated total number of species by a factor generally estimated at between 10 and 50, but which may be up to 3000, giving an estimated total number of species at between 500 000 and 10 000 000 (Brandt *et al.* 2007, Grassle 1989, Grassle & Maciolek 1992, Hammond 1992, Hodda & Khudhir 2022, Hugot *et al.* 2001, Lamshead 1993, May 1988).

4 Ecologically, the phylum has species occurring in every geographic region on earth, probably has parasitic species in every other animal phylum where the body is significantly larger than the nematodes, has species parasitizing all terrestrial or aquatic and a few marine plants (mostly externally and below ground, but also internally and in stems and seeds), and has free-living species in every habitat on earth where liquid water is ever present (including Antarctica and the Arctic sea ice). Trophically, free-living species consume most other types of small-bodied organisms. Generally, only live organisms are consumed; that is, nematodes are not saprobes.

Broad trophic categories and types of hosts are defined and listed for each genus in a separate publication (Hodda 2022a). The broad types of environments in which each genus is found are provided in the alphabetic list of genera.

5 Enoplea have unique characters of the sperm nuclear envelope being retained in mature spermatozoa (absent in all other nematodes studied), no asymmetry in the dividing germ line (present in other nematodes), and no bilateral symmetry during early embryogenesis (present in other nematodes) (Baccetti *et al.* 1983, Justine 2002, Malakhov 1994, Schierenberg 2005, Voronov *et al.* 1998, Yushin 2003a,b). However, these character states are common in animals outside nematodes, and so they may represent plesiomorphies uninformative for phylogenetic analysis (Aleshin 2004). Oncholaimida have a nuclear envelope present (Yushin *et al.* 2002) as an apomorphy, but have affinities with Enoplia from molecular evidence (Van Megen *et al.* 2009). Spermatogenesis and development also provide evidence for the separation of Enoplea from Dorylaimea and Chromadorea (Yushin & Malakhov 2004, Schierenberg & Lahl 2004).

6 Classification generally follows Lorenzen (1994).

7 Originally created as Order Enoplata.

- Family **Enoplidae** Baird, 1853 (1 subfamily, 1 genus, 51 species)⁸
 Subfamily **Enoplinae** Baird, 1853 (Micoletzky, 1922) (1 genus, 51 species)
 Tribe **Enoplini** Baird, 1853 * (1 genus)
 Subtribe **Enoplinii** Baird, 1853 *
 Genus *Enoplus* Dujardin, 1845 (51 species)
- Family **Thoracostomopsidae** Filipjev, 1927 (3 subfamilies, 21 genera, 234 species)
 Subfamily **Enoplolaiminae** De-Coninck, 1965 (17 genera, 213 species)
 Tribe **Enoplolaimini** De-Coninck, 1965 * (8 genera)
 Subtribe **Enoplolaiminii** De-Coninck, 1965 *
 Genus *Africanthion* Inglis, 1964 (1 species)
 Genus *Enoplolaimus* De Man, 1893 (42 species)
 Genus *Epacanthion* Wieser, 1953 (33 species)
 Species *ampullatum* Lo-Russo, Villares, Martelli, De-Ward & Haruinteguy, 2013
 Species *bicuspidatum* Lo-Russo, Villares, Martelli, De-Ward & Haruinteguy, 2013
 Species *hirsutum* Shi & Xu, 2016
 Species *fasciculatum* Shi & Xu, 2016
 Species *longicaudatum* Shi & Xu, 2016
 Species *sparsisetae* Shi & Xu, 2016
 Genus *Hyptiolaimus* Cobb, 1930 (1 species)
 Genus *Mesacanthion* Filipjev, 1927a (49 species)⁹
 Species *jejuensis* Jeong, Tchesunov & Lee, 2019
 Genus *Mesacanthoides* Wieser, 1953a (8 species)
 Genus *Paramesacanthion* Wieser, 1953 (17 species)
 Genus *Starobogatovia* Platonova, 1984 (5 species)
- Tribe **Enoploidini** De-Coninck, 1965 * (4 genera)¹⁰
 Subtribe **Enoploidinii** De-Coninck, 1965 *
 Genus *Enoploides* Saveljev, 1912a (8 species)
 Genus *Filipjevia* Kreis, 1928 (1 species)
 Genus *Metenoploides* Wieser, 1953a (2 species)
 Genus *Parenoplus* Filipjev, 1927a (6 species)
- Tribe **Oxyonchini** De-Coninck, 1965 (5 genera)¹¹
 Subtribe **Oxyonchinii** De-Coninck, 1965 *
 Genus *Cryptenoplus* Riemann, 1966a (1 species)
 Genus *Fenestrolaimus* Filipjev, 1927a (4 species)
 Genus *Oxyonchus* Filipjev, 1927 (21 species)
 Genus *Parasaveljevia* Wieser, 1953a (8 species)
 Species *uncino* Pastor, Lo-Russo & Villares, 2015
 Species *limitense* Pastor, Lo-Russo & Villares, 2015
 Genus *Saveljevia* Filipjev, 1927a (6 species)
- Subfamily **Thoracostomopsinae** Filipjev, 1927 (De-Coninck, 1965) (3 genera, 11 species)
 Tribe **Thoracostomopsini** Filipjev, 1927 *
 Subtribe **Thoracostomopsinii** Filipjev, 1927 *
 Genus *Fleuronema* Greenslade & Nicholas, 1991 (3 species)
 Genus *Okranema* Greenslade & Nicholas, 1991 (2 species)
 Genus *Thoracostomopsis* Ditlevsen, 1919 (6 species)
- Subfamily **Trileptiinae** Gerlach & Riemann, 1974 (1 genus, 10 species)
 Tribe **Trileptiini** Gerlach & Riemann, 1974 * (1 genus)

8 Created as "section Enopliens" by Dujardin (1845), and often cited as author (eg Gerlach & Riemann 1974), but first used explicitly as a family by Baird (1853).

9 Species number including 8 species inquirenda, but excluding 1 nomen nudum (Jeong *et al.* 2019).

10 Originally created as subfamily Enoplodinae by De Coninck (1965).

11 Originally created as subfamily Oxyonchinae by De Coninck (1965).

Subtribe **Trileptiini** Gerlach & Riemann, 1974 *

Genus *Trileptium* Cobb, 1933 (10 species)

Species *ribeirensis* Vilas-Boas, da-Silva, Alves, de-Castro & Pinheiro-Junior, 2016

Family **Palaeoenoploididae** Poinar, 2011 (1 subfamily, 1 genus, 1 species)

Subfamily **Palaeoenoploidinae** Poinar, 2011 * (1 genus, 1 species)

Tribe **Palaeoenoploidini** Poinar, 2011 * (1 genus)

Subtribe **Palaeoenoploidinii** Poinar, 2011 *

Genus *Palaeoenoploides* Mattavelli & Bracchi, 2008 (1 species)

Species *allessandrellianus* Mattavelli & Bracchi, 2008 ¹²

Superfamily **Anoplostomatoidea** Gerlach & Riemann, 1974 (Hodda, 2010) (1 family, 2 subfamilies, 3 genera, 30 species) ¹³

Family **Anoplostomatidae** Gerlach & Riemann, 1974 (2 subfamilies, 3 genera, 30 species) ¹⁴

Subfamily **Anoplostomatinae** Gerlach & Riemann, 1974 * (1 genus, 23 species)

Tribe **Anoplostomatini** Gerlach & Riemann, 1974 *

Subtribe **Anoplostomatini** Gerlach & Riemann, 1974 *

Genus *Anoplostoma* Buetschli, 1874b (23 species)

Species *paraviviparum* Li & Guo, 2016

Species *tumidum* Li & Guo, 2016

Species *dubium* Allgen, 1959

Species *dubium* Gagarin, 2015 [junior homonym unresolved at time of going to press]

Subfamily **Chaetonematinae** Gerlach & Riemann, 1974 (2 genera, 7 species) ¹⁵

Tribe **Chaetonematini** Gerlach & Riemann, 1974 *

Subtribe **Chaetonematini** Gerlach & Riemann, 1974 *

Genus *Chaetonema* Filipjev, 1927 (6 species)

Genus *Donsinema* Allgen, 1949 (1 species)

Superfamily **Phanodermatoidea** Filipjev, 1927 * n. rank (2 families, 3 subfamilies, 15 genera, 162 species)

Family **Phanodermatidae** Filipjev, 1927 (Schuurmans-Stekhoven, 1935) (2 subfamilies, 9 genera, 96 species)

Subfamily **Phanodermatinae** Filipjev, 1927 (1 genus, 36 species)

Tribe **Phanodermatini** Filipjev, 1927 *

Subtribe **Phanodermatini** Filipjev, 1927 *

Genus *Phanoderma* Bastian, 1865 (36 species)

Subgenus *Alyncoides* Wieser, 1953 (5 species)

Subgenus *Phanoderma* Bastian, 1865 (30 species)

Species *koreense* Lee & Rho, 2019

Subgenus *Inglisinema* Platonova, 1984 (1 species)

Subfamily **Crenopharynginae** Platonova, 1976 (8 genera, 60 species)

Tribe **Crenopharyngini** Platonova, 1976 *

Subtribe **Crenopharynginii** Platonova, 1976 *

12 Fossil, cretaceous, Lebanon.

13 Regarded as a superfamily on the basis of molecular evidence (Van Megen *et al.* 2009), as well as morphological differences (Lorenzen 1994) indicating that the clade is on the same level as the Enoploidea.

14 Some molecular analysis suggests a close affinity to Enoplidae (Pegova *et al.* 2004). On this basis, only a single superfamily Enoploidea has been proposed (Smol & Coomans 2006). However, morphological evidence suggests a separate superfamily: the spacious, toothless buccal cavity surrounded by pharyngeal tissue only in the posterior section, the cephalic capsule lacking muscular insertions, and the constant position of the gonads to the left of the intestine are all apomorphic (Lorenzen 1994). Molecular analyses in broader contexts also suggest Enoplidae and Thoracostomopsidae are a separate clade from Anoplostomatidae (Van Megen *et al.* 2009) or the relationships are unresolved (Meldal *et al.* 2007). Hence a separate superfamily is justified.

15 Chaetonematinae originally placed in Enoplidae (Gerlach & Riemann 1974), but subsequently placed in Anoplostomatidae on the basis of a constant position of the gonads on the left of the intestine (Lorenzen 1994) and accepted by Smol & Coomans (2006).

- Genus *Crenopharynx* Filipjev, 1934 (11 species)¹⁶
 Species *caudata* (Filipjev, 1927) Shimada & Kakui, 2019
 syn *Phanodermopsis caudata* (Filipjev, 1927) Filipjev, 1927
 syn *Galeonema caudata* Filipjev, 1927
- Genus *Dayellus* Inglis, 1964 (1 species)
- Genus *Klugea* Filipjev, 1927a (8 species)
- Genus *Metaphanoderma* Platonova, 1984 (3 species)
 Species *improvisae* Fadeeva, Mordukhovich & Zograf, 2015
- Genus *Micoletzkyia* Ditlevsen, 1926 (16 species)¹⁷
 Species *kamchatika* Fadeeva, Mordukhovich & Zograf, 2015
 Species *nakanoi* Shimada & Kakui, 2019
- Genus *Paraphanoderma* Inglis, 1971 (1 species)
- Genus *Phanodermella* Kreis, 1928 (2 species)
- Genus *Phanodermopsis* Ditlevsen, 1926 (18 species)
 Species *nana* Zograf, Trebukhova & Pavlyuk, 2015
 Species *longisetae* (Chitwood, 1936) Zograf, Trebukhova & Pavlyuk, 2015
 syn *Crenopharynx longisetae* Chitwood, 1936
 Species *kohtsukai* Shimada & Kakui, 2019
- Family **Anticomidae** Filipjev, 1918 (Hope & Murphy, 1972) (1 subfamily, 6 genera, 66 species)¹⁸
 Subfamily **Anticominae** Filipjev, 1918 (6 genera, 66 species)
 Tribe **Anticomini** Filipjev, 1918 *
 Subtribe **Anticomini** Filipjev, 1918 *
 Genus *Anticoma* Bastian, 1865c (49 species)
 Genus *Anticomopsis* Micoletzky & Kreis, 1930 (4 species)
 Genus *Antopus* Cobb, 1933a (1 species)
 Genus *Cephalanticoma* Platonova, 1976 (1 species)
 Genus *Odontanticoma* Platonova, 1976 (1 species)
 Genus *Paranticoma* Micoletzky & Kreis, 1930a (10 species)
 Species *lepta* Phan, Nguyen & Gagarin, 2019
- Order **Ironida** Hodda, 2007 (3 suborders, 4 superfamilies, 7 families, 19 subfamilies, 67 genera, 482 species)¹⁹
 Suborder **Ironina** Siddiqi, 1983 (1 superfamily, 2 families, 4 subfamilies, 11 genera, 74 species)
 Superfamily **Ironoidea** De-Man, 1876 (2 families, 4 subfamilies, 11 genera, 74 species)
 Family **Ironidae** De-Man, 1876 (3 subfamilies, 10 genera, 73 species)
 Subfamily **Criptonchinae** Chitwood, 1937b (1 genus, 1 species)
 Tribe **Criptonchini** Chitwood, 1937b *
 Subtribe **Criptonchini** Chitwood, 1937b *
 Genus *Criptonchus* Cobb, 1913 (1 species)
 Subfamily **Ironinae** De-Man, 1876 (Chitwood, 1960) (1 genus, 24 species)
 Tribe **Ironini** De-Man, 1876 *
 Subtribe **Ironini** De-Man, 1876 *
 Genus *Ironus* Bastian, 1865 (24 species)
 Subfamily **Thalassironinae** Andrassy, 1976 (8 genera, 48 species)
 Tribe **Thalassironini** Andrassy, 1976 *
 Subtribe **Thalassironini** Andrassy, 1976 *
 Genus *Conilia* Gerlach, 1954 (4 species)
 Species *sinensis* Chen & Qing, 2015

16 Following Shimada & Kakui (2019).

17 Following Shimada & Kakui (2019).

18 Regarded as related to the Phanodermatidae on the basis of similarities in the development of the cephalic region (Lorenzen 1994).

19 Classified at order level by Hodda (2007) on the basis of the affinities remaining unresolved (Holterman *et al.* 2006, Meldal *et al.* 2007, Smythe *et al.* 2006).

- Genus *Dolicholaimus* De-Man, 1888 (10 species)
 Genus *Enoplochilus* Kreis, 1932b (1 species)
 Genus *Ironella* Cobb, 1920 (3 species)
 Genus *Parironus* Micoletzsky, 1930 (4 species)
 Genus *Pheronous* Inglis, 1966 (3 species)
 Species *donghaiensis* Chen & Guo, 2015
 Genus *Thalassironus* De-Man, 1889 (13 species)
 Species *filiformis* Huang, Huang & Xu, 2019
 Species *koreanus* Jeong, Tchesunov & Lee, 2019
 Genus *Trissonchulus* Cobb, 1920 (10 species)
 Species *latispiculum* Chen & Guo, 2015
- Family **Palaeonematidae** Poinar, Kerp & Hass, 2008 (1 subfamily, 1 genus, 1 species)
 Subfamily **Palaeonematinae** Poinar, Kerp & Hass, 2008 * (1 genus, 1 species)
 Tribe **Palaeonematini** Poinar, Kerp & Hass, 2008 *
 Subtribe **Palaeonematinii** Poinar, Kerp & Hass, 2008 *
 Genus *Palaeonema* Poinar, Kerp & Hass, 2008 (1 species)²⁰
- Suborder **Oxystominina** Siddiqi, 1983 (2 superfamilies, 3 families, 12 subfamilies, 49 genera, 400 species)²¹
 Superfamily **Oxystominoidea** Chitwood, 1935b * (2 families, 11 subfamily, 47 genera, 397 species)
 Family **Leptosomatidae** Filipjev, 1916 (8 subfamilies, 35 genera, 191 species)
 Subfamily **Barbonematinae** Platonova, 1976 (1 genus, 3 species)
 Tribe **Barbonematini** Platonova, 1976 *
 Subtribe **Barbonematinii** Platonova, 1976 *
 Genus *Barbonema* Filipjev, 1927 (3 species)²²
- Subfamily **Cylicolaiminae** Platonova, 1970 (3 genera, 9 species)
 Tribe **Cylicolaimini** Platonova, 1970 *
 Subtribe **Cylicolaiminii** Platonova, 1970 *
 Genus *Cylicolaimus* De-Man, 1889 (5 species)
 Genus *Metacylicolaimus* Schuurmans-Stekhoven, 1946 (3 species)
 Genus *Paracylicolaimus* Platonova, 1970 (1 species)
- Subfamily **Deontostomatinae** Belogurov, 1985 (2 genera, 17 species)²³
 Tribe **Deontostomatini** Belogurov, 1985 *
 Subtribe **Deontostomatini** Belogurov, 1985 *
 Genus *Deontostoma* Filipjev, 1916 (16 species)
 Genus *Tapia* Belogurov & Fadeeva, 1985 (1 species)
- Subfamily **Leptosomatinae** Filipjev, 1916 (9 genera, 49 species)
 Tribe **Leptosomatini** Filipjev, 1916 *
 Subtribe **Leptosomatini** Filipjev, 1916 *
 Genus *Bongersia* Platonova, 1988 (1 species)
 Genus *Leptosomatides* Filipjev, 1918 (9 species)
 Genus *Leptosomatina* Allgen, 1951 (3 species)²⁴
 Genus *Leptosomatium* Bastian, 1865 (29 species)
 Genus *Leptosomella* Filipjev, 1927 (2 species)
 Genus *Orthophallonema* Bongers, 1983 (1 species)
 Genus *Paraleptosomatoides* Mawson, 1956 (2 species)

20 Fossil, devonian chert, Scotland.

21 Originally placed in order Alaimida on the basis of superficial morphological similarity, mainly in the buccal cavity and head region, but here regarded as a suborder of Ironida on the basis of molecular evidence, plus morphological similarity of the amphid and reproductive system. Regarded as a suborder because this is a distinct group within Ironida.

22 Placed in Leptosomatidae by most authors (De Coninck 1965, Platonova 1970, 1976, Gerlach & Riemann 1974 and Lorenzen 1994). Gerlach & Riemann (1974) did not regard the subfamily as valid.

23 Deontostomatinae not mentioned in Lorenzen (1994).

24 Genus dubium for Lorenzen (1994).

- Genus *Ritenbenkia* Allgen, 1957 (1 species)²⁵
 Genus *Tubolaimella* Cobb in Cobb, 1933a (1 species)
 Subfamily **Platycominae** Platonova, 1976 (5 genera, 16 species)
 Tribe **Platycomini** Platonova, 1976 *
 Subtribe **Platycominii** Platonova, 1976 *
 Genus *Platycoma* Cobb, 1894 (6 species)
 Genus *Platycomopsis* Ditlevsen, 1926 (5 species)²⁶
 Genus *Proplatycoma* Platonova, 1976 (1 species)
 syn *Pilosinema* Platonova, 1976
 Genus *Pseudoplatycoma* Chen, 2014 (3 species)
 Species *malaysianis* Chen, 2014
 Genus *Syringoplatycoma* nom. nov. pro *Syringolaimus* Hope & Murphy, 1969b nec De-
 -Man, 1889 (1 species)²⁷
 syn *Syringolaimus* Hope & Murphy, 1969b nec De-Man, 1889²⁸
 Species *elegans* Tchesunov, 2017
 Subfamily **Synonchinae** Platonova, 1970 (11 genera, 26 species)
 Tribe **Synonchini** Platonova, 1970 *
 Subtribe **Synonchinii** Platonova, 1976 *
 Genus *Anivanema* Platonova, 1976 (1 species)
 Genus *Corythostoma* Wieser, 1956b (3 species)
 Genus *Eusynonchus* Platonova, 1970 (2 species)
 Genus *Macronchus* Inglis, 1964 (1 species)
 Genus *Paratuerkiana* Platonova, 1970 (1 species)
 Genus *Platonova* Mordukhovich, Semenchenko, Fadeeva & Zograf, 2019 (4 species)
 Species *magna* Mordukhovich, Semenchenko, Fadeeva & Zograf, 2019
 Species *verecunda* Mordukhovich, Semenchenko, Fadeeva & Zograf, 2019
 Genus *Sadkonavis* Platonova, 1979 (1 species)
 Genus *Synonchoides* Wieser, 1956b (1 species)
 Genus *Synonchus* Cobb, 1894c (10 species)
 Subgenus *Fiacra* Southern, 1914 (4 species)
 Subgenus *Jaegerskioeldia* Filipjev, 1916 (2 species)
 Subgenus *Synonchus* Cobb, 1894c (4 species)
 Genus *Triaulolaimus* Platonova, 1979 (1 species)
 Genus *Tuerkiana* Platonova, 1970 (1 species)
 Subfamily **Thoracostomatinae** De-Coninck, 1965 (2 genera, 69 species)
 Tribe **Thoracostomatini** De-Coninck, 1965 *
 Subtribe **Thoracostomatini** De-Coninck, 1965 *
 Genus *Pseudocella* Filipjev, 1927 (26 species)
 Genus *Thoracostoma* Marion, 1870 (43 species)
 Subfamily **Triceronematinae** Belogurov & Fadeeva, 1985 (2 genera, 2 species)
 Tribe **Triceronematini** Belogurov & Fadeeva, 1985 *
 Subtribe **Triceronematini** Belogurov & Fadeeva, 1985 *
 Genus *Pseudotriceratoma* Belogurov & Fadeeva, 1985 (1 species)
 Genus *Triceratonema* Platonova, 1976 (1 species)
 Family **Oxystominidae** Chitwood, 1935b (De-Coninck & Schuurmans-Stekhoven, 1933) (3 subfamilies, 12
 genera, 206 species)²⁹
 Subfamily **Halalaiminae** Chitwood, 1935b (De-Coninck, 1965) (1 genus, 85 species)

25 Genus dubium in Lorenzen (1994).

26 Following revision by Chen (2015).

27 Junior homonym of *Syringolaimus* De Man 1888 (Rhabdolaimidae).

28 Junior homonym of *Syringolaimus* De Man 1888 (Rhabdolaimidae).

29 Created as subfamily Oxystomatinae by Filipjev (1918), and Oxystomininae by Chitwood (1935).

- Tribe **Halalaimini** Chitwood, 1935b *
- Subtribe **Halalaiminii** Chitwood, 1935b *
- Genus *Halalaimus* De-Man, 1888 (85 species)
- Subgenus *Halalaimus* De-Man, 1888 (78 species)
- Species *longipharynx* Gagarin & Thanh, 2018
- Species *parvulus* Gagarin & Thanh, 2018
- Subgenus *Nualaimus* Juario, 1974 (7 species)
- Subfamily **Oxystomininae** Chitwood, 1935b (9 genera, 116 species)
- Tribe **Oxystominini** Chitwood, 1935b *
- Subtribe **Oxystomininii** Chitwood, 1935b *
- Genus *Angustinema* Cobb, 1933 (1 species)³⁰
- Genus *Bolbinium* Cobb, 1920 (1 species)
- Genus *Hyalaimus* Cobb, 1920 (1 species)
- Genus *Litinium* Cobb, 1920 (20 species)³¹
- Species *abyssorum* Tchesunov, Nguyen & Nguyen, 2014
- Species *australis* Martelli, Lo-Russo, Villares & Pastor-De-Ward, 2017
- Species *conoicaudatum* Huang, Sun & Huang, 2017
- Species *curticauda* Tchesunov, Nguyen & Nguyen, 2014
- Species *dispariseta* Yu & Xu, 2018
- Species *profundorum* Tchesunov, Nguyen & Nguyen, 2014
- Species *quangi* Tchesunov, Nguyen & Nguyen, 2014
- Genus *Litonema* Cobb, 1920 (1 species)
- Genus *Nemanema* Cobb, 1920 (14 species)
- Species *minutum* Sun, Huang & Huang, 2018
- Genus *Oxystomina* Filipjev, 1918 (37 species)
- Species *minor* Nguyen, Gagarin, Phan, Nguyen & Nguyen, 2016
- Genus *Thalassoalaimus* De-Man, 1893 (26 species)
- Species *crassicadatus* Huang, Sun & Huang, 2017
- Species *nestori* Martelli, Lo-Russo, Villares & Pastor-De-Ward, 2017
- Genus *Wieseria* Gerlach, 1956c (15 species)
- Species *minor* Yu & Xu, 2018
- Species *sinica* Huang, Sun & Huang, 2018
- Species *tenuisa* Huang, Sun & Huang, 2018
- Subfamily **Paroxystomininae** De-Coninck, 1965 (2 genera, 5 species)
- Tribe **Paroxystominini** De-Coninck, 1965 *
- Subtribe **Paroxystomininii** De-Coninck, 1965 *
- Genus *Maldivea* Gerlach, 1962 (3 species)
- Species *complexa* Samprucci & Balsamo, 2019
- Genus *Paroxystomina* Micoletzky, 1924 (2 species)
- Superfamily **Andrassyioidea** Tchesunov & Gagarin, 1999 * n. rank (1 family, 1 subfamily, 2 genera, 3 species)
- Family **Andrassyidae** Tchesunov & Gagarin, 1999 (1 subfamily, 2 genera, 3 species)³²
- Subfamily **Andrassyinae** Tchesunov & Gagarin, 1999 * (2 genera, 3 species)
- Tribe **Andrassyini** Tchesunov & Gagarin, 1999 *
- Subtribe **Andrassyinii** Tchesunov & Gagarin, 1999 *
- Genus *Andrassyia* Brzeski, 1960 (2 species)
- Genus *Malakhovia* Tchesunov & Gagarin, 1999 (1 species)

30 Dubious placement according to Lorenzen (1994).

31 Excluding a nomen nudum (Bussau 1993).

32 Shares a number of morphological characteristics with Rhabdolaimidae (Tchesunov & Gagarin 1999). Other characters are in an unusual combination. Molecular data is lacking. The family may warrant a separate suborder. More investigation is warranted (Smythe 2015).

- Suborder **Campydorina** Jairajpuri, 1983 (1 superfamily, 2 families, 3 subfamilies, 7 genera, 8 species)³³
- Superfamily **Campydoroidea** Thorne, 1935 (Jairajpuri Ahmad & Bajaj, 1976) (2 families, 3 subfamilies, 7 genera, 8 species)³⁴
- Family **Campydoridae** Thorne, 1935 (Clark, 1961) (1 subfamily, 2 genera, 2 species)
- Subfamily **Campydorinae** Thorne, 1935 (2 genera, 2 species)
- Tribe **Campydorini** Thorne, 1935 *
- Subtribe **Campydorinii** Thorne, 1935 *
- Genus *Campydora* Cobb, 1920 (1 species)
- Genus *Campydoroides* Holovachov, 2019 (1 species)
- Species *manautei* Holovachov, 2019
- Family **Rhabdolaimidae** Chitwood, 1951 (Gerlach & Riemann, 1974) (2 subfamilies, 5 genera, 6 species)³⁵
- Subfamily **Rhabdolaiminae** Chitwood, 1951 (4 genera, 5 species)
- Tribe **Rhabdolaimini** Chitwood, 1951 *
- Subtribe **Rhabdolaiminii** Chitwood, 1951 *
- Genus *Rhabdolaimus* De-Man, 1880 (1 species)
- syn *Pseudorhabdolaimus* Soos, 1937 (Holovachov, 2019)
- Genus *Rogerus* Hoeppli & Chu, 1934 (2 species)
- Genus *Mediolaimus* Tahseen, Sultana, Khan & Hussain, 2012 (1 species)
- Genus *Syringolaimus* De-Man, 1888 nec Hope & Murphy, 1969b in Leptosomatidae (1 species)
- syn *Halirhabdolaimus* Siddiqi, 2012 (Holovachov, 2019)
- Subfamily **Monochromadorinae** Andrassy, 1958 (1 genus, 1 species)
- Tribe **Monochromadorini** Andrassy, 1958 *
- Subtribe **Monochromadorinii** Andrassy, 1958 *
- Genus *Udonchus* Cobb, 1937 (1 species)
- syn *Monochromadora* Goodey, 1951 (Shiemer, 1978)
- Order **Tripyloidida** Hodda, 2007 (1 suborder, 2 superfamilies, 2 families, 2 subfamilies, 9 genera, 89 species)
- Suborder **Tripyloidina** De-Coninck, 1965 (2 superfamilies, 2 families, 2 subfamilies, 9 genera, 89 species)
- Superfamily **Tripyloidoidea** Filipjev, 1918 (De-Coninck, 1965) (1 family, 1 subfamily, 7 genera, 58 species)
- Family **Tripyloididae** Filipjev, 1918 (De-Coninck & Schuurmans-Stekhoven, 1933) (1 subfamily, 7 genera, 58 species)
- Subfamily **Tripyloidinae** Filipjev, 1918 (7 genera, 58 species)
- Tribe **Tripyloidini** Filipjev, 1918 *
- Subtribe **Tripyloidinii** Filipjev, 1918 *
- Genus *Arenasoma* Yeates, 1967 (1 species)

33 Originally affinities were uncertain (Jairajpuri *et al.* 1976), but later proposed under order Dorylaimida (Jairajpuri 1983), but very soon afterwards proposed independently in the order Enoplida (Siddiqi 1983). Hodda (2007) placed Campydorida as an order under Enoplica, on the basis of molecular evidence (Mullin *et al.* 2003). More recent molecular analyses suggest affinities with Ironina (Van Megen *et al.* 2009), so the group is now placed as a suborder within Ironida. Morphological characters can be interpreted in many ways, so do not provide unambiguous evidence for phylogeny.

Molecular evidence suggests affinities between the genera *Campydora*, *Rhabdolaimus* and *Syringolaimus* (Bik *et al.* 2010, Leduc *et al.* 2018, Meldal *et al.* 2007, Shokoohi *et al.* 2013, Smythe 2015, van Megen *et al.* 2009). These genera all have a well-developed basal bulb, and *Syringolaimus* also has a monorchic male reproductive system similar to that in *Campydora* and *Rogerus* (Hoeppli & Chu 1932, Tchesunov 2017, Winiszewska 2001), while it is diorchic in other genera of Ironina (Chen & Guo 2015, Shokoohi *et al.* 2013).

34 Following Holovachov (2019).

35 Placed in Leptolaimoidea (Plectida) by De Ley & Blaxter (2004). Some molecular evidence suggests affinities with some Enoplida, Oncholaimida, and Tripylida (Holterman *et al.* 2006). The position of the genus *Syringolaimus* needs clarification, but if included in the Rhabdolaimidae, then the Rhabdolaimidae fits with Enoplica on molecular evidence (Meldal *et al.* 2007). The Rhabdolaimidae can be placed in Enoplida on the morphological characters of non-spiral and pocket shaped amphids (Lorenzen 1994). Curiously, Lorenzen (1994) excluded *Syringolaimus* from Rhabdolaimidae, placing it instead in Ironidae. Maggenti (1963) included the genus in Rhabdolaimidae. Placed as a suborder of Ironida in the current classification on the basis of the similarity of three anteriorly-placed teeth in an elongate buccal cavity, and an unequivocal placement within Ironida on molecular evidence (Van Megen *et al.* 2009).

- Genus *Bathylaimus* Cobb, 1894c (35 species)
 Species *denticulatus* Chen & Guo, 2014
- Genus *Diplobathylaimus* Allgen, 1959 (1 species)³⁶
- Genus *Gairleanema* Warwick & Platt, 1973 (1 species)
- Genus *Ingenia* Gerlach, 1957 (1 species)
- Genus *Paratripyloides* Schuurmans-Stekhoven, 1950 (3 species)
- Genus *Tripyloides* De-Man, 1886 (16 species)
 Species *amoyensis* Fu, Zeng, Zhou, Tan & Cai, 2018
 Species *mangrovensis* Fu, Zeng, Zhou, Tan & Cai, 2018
- Superfamily **Trischistomatoidea** Andrassy, 2007 (Zhao, 2011) (1 family, 1 subfamily, 2 genera, 31 species)³⁷
- Family **Trischistomatidae** Andrassy, 2007 (Zhao, 2011) (1 subfamily, 2 genera, 31 species)
- Subfamily **Trischistomatinae** Andrassy, 2007 (2 genera, 31 species)
- Tribe **Trischistomatini** Andrassy, 2007 *
- Subtribe **Trischistomatini** Andrassy, 2007 *
- Genus *Trischistoma* Cobb, 1913 (23 species)
 Species *abharensis* Asghari, Eskandari, Maafi, Zhao, Alvarez-Ortega & Nadirkhanloo, 2015
 Species *corticulensis* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
 Species *iandrassyi* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
 Species *helicoformis* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
 Species *ripariana* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
 Species *rorkabandarum* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
 Species *taiguensis* Xu, Zhao & Wang, 2015
- Genus *Tripylina* Brzeski, 1964 (8 species)
- Order **Alaimida** Siddiqi, 1983 (1 suborder, 1 superfamily, 1 family, 3 subfamilies, 13 genera, 142 species)³⁸
- Suborder **Alaimina** Clark, 1961 (1 superfamily, 1 family, 3 subfamilies, 13 genera, 142 species)
- Superfamily **Alaimoidea** Micoletzky, 1922 (1 family, 3 subfamilies, 13 genera, 142 species)
- Family **Alaimidae** Micoletzky, 1922 (3 subfamilies, 13 genera, 142 species)
- Subfamily **Alaiminae** Micoletzky, 1922 (2 genera, 58 species)
- Tribe **Alaimini** Micoletzky, 1922 *
- Subtribe **Alaiminii** Micoletzky, 1922 *
- Genus *Alaimus* De-Man, 1880 (52 species)
- Genus *Cosalaimus* Siddiqi, 1993 (6 species)
- Subfamily **Amphidelinae** Andrassy, 2002 (10 genera, 76 species)
- Tribe **Amphidelini** Andrassy, 2002 *
- Subtribe **Amphidelinii** Andrassy, 2002 *
- Genus *Amphidelus* Thorne, 1939 (20 species)
- Genus *Caviputa* Siddiqi, 1993 (10 species)
- Genus *Etamphidelus* Andrassy, 1977 (10 species)
- Genus *Laxamphidelus* Siddiqi, 1993 (6 species)
- Genus *Megamphidelus* Siddiqi, 1993 (1 species)
- Genus *Metamphidelus* Clausi & Vinciguerra, 1995 (3 species)
- Genus *Paramphidelus* Andrassy, 1977 (23 species)
- Genus *Postamphidelus* Siddiqi, 1993 (1 species)
- Genus *Scleralaimus* Siddiqi, 1993 (1 species)
- Genus *Scleramphidelus* Clausi & Vinciguerra, 1995 (1 species)
- Subfamily **Cristamphidelinae** Andrassy, 2002 (1 genus, 8 species)

36 Genus dubium according to Lorenzen (1994).

37 The family Tobrilidae has included the genus *Trischistoma* (Holterman & Holovachov 2007, Zullini 2006), but more recently it was classified as a superfamily within Tripyloidina on the basis of molecular and morphological evidence (Zhao 2011).

38 Alaimidae have been placed in Dorylaimea on the basis of the positions and orifices of the oesophageal glands and the amphidial apertures of some genera, and Enoplea on the basis of other characters. Molecular analyses consistently point to an affinity with Enoplea.

- Tribe **Cristamphidelini** Andrassy, 2002 *
- Subtribe **Cristamphidelinii** Andrassy, 2002 *
- Genus *Cristamphidelus* Siddiqi & Vinciguerra, 1991 (8 species)
- Order **Trefusiida** Lorenzen, 1981 (1 suborder, 1 superfamily, 4 families, 4 subfamilies, 13 genera, 65 species)³⁹
- Suborder **Trefusiina** Siddiqi, 1983 (1 superfamily, 4 families, 4 subfamilies, 13 genera, 65 species)
- Superfamily **Trefusioidea** Gerlach, 1966 (Hodda, 2007) (4 families, 4 subfamilies, 13 genera, 65 species)
- Family **Lauratonematidae** Gerlach, 1953 (1 subfamily, 3 genera, 16 species)
- Subfamily **Lauratonematinae** Gerlach, 1953 * (3 genera, 16 species)
- Tribe **Lauratonematini** Gerlach, 1953 *
- Subtribe **Lauratonematinii** Gerlach, 1953 *
- Genus *Lauratonema* Gerlach, 1953 (13 species)
- Species *dongshanense* Chen & Guo, 2015
- Species *macrostoma* Chen & Guo, 2015
- Genus *Lauratonemella* Tchesunov, 1984 (1 species)
- Genus *Lauratonemoides* De-Coninck, 1965 (2 species)
- Family **Simpliconematidae** Blome & Schrage, 1985 (1 subfamily, 1 genus, 3 species)
- Subfamily **Simpliconematinae** Blome & Schrage, 1985 * (1 genus, 3 species)
- Tribe **Simpliconematini** Blome & Schrage, 1985 *
- Subtribe **Simpliconematinii** Blome & Schrage, 1985 *
- Genus *Simpliconema* Blome & Schrage, 1985 (3 species)
- Family **Trefusiidae** Gerlach, 1966 (1 subfamily, 7 genera, 41 species)
- Subfamily **Trefusiinae** Gerlach, 1966 (7 genera, 41 species)
- Tribe **Trefusiini** Gerlach, 1966 *
- Subtribe **Trefusiinii** Gerlach, 1966 *
- Genus *Africanema* Vincx & Furstenberg, 1988 (3 species)⁴⁰
- Species *multipapillatum* Shi & Xu, 2018
- Genus *Cytolaimium* Cobb, 1920 (2 species)
- Genus *Halanonchus* Cobb, 1920 (9 species)
- Genus *Rhabdocoma* Cobb, 1920 (4 species)
- Genus *Trefusia* De-Man, 1893 (21 species)
- Genus *Trefusialaimus* Riemann, 1974 (1 species)
- Genus *Trichenoplus* Mawson, 1956 (1 species)
- Family **Xenellidae** De-Coninck, 1965 (1 subfamily, 2 genera, 5 species)
- Subfamily **Xenellinae** De-Coninck, 1965 * (2 genera, 5 species)
- Tribe **Xenellini** De-Coninck, 1965 *
- Subtribe **Xenellinii** De-Coninck, 1965 *
- Genus *Porocoma* Cobb, 1920 (1 species)
- Genus *Xenella* Cobb, 1920 (4 species)
- Superorder **Rhaphothyreica** n. rank (1 order, 1 suborder, 1 superfamily, 1 family, 1 subfamily, 2 genera, 12 species)⁴¹
- Order **Rhaphothyreida** Tchesunov, 1997 (1 suborder, 1 superfamily, 1 family, 1 subfamily, 2 genera, 12 species)
- Suborder **Rhaphothyreina** Hodda, 2007 (1 superfamily, 1 family, 1 subfamily, 2 genera, 12 species)
- Superfamily **Rhaphothyreioidea** Hope & Murphy, 1969 (Hodda, 2007) (1 family, 1 subfamily, 2 genera, 12 species)
- Family **Rhaphothyreidae** Hope & Murphy, 1969 (1 subfamily, 2 genera, 12 species)
- Subfamily **Rhaphothyreinae** Hope & Murphy, 1969 * (2 genera, 12 species)
- Tribe **Rhaphothyreini** Hope & Murphy, 1969 *

39 A very diverse group, paraphyletic on both molecular and morphological evidence (Holterman *et al.* 2006, Lorenzen 1994, Rusin *et al.* 2001), with part in Enoplea and part in Tripylea. Placed provisionally in Enoplica because this is assumed basal. Revision required.

40 Placed in Trefusiidae by Vincx & Furstenberg (1988) on morphological evidence and Shi & Xu (2018) on molecular evidence, but in Tripylodidae by Andrassy (2007) on morphology.

41 Unplaced in Hodda (2007). Placed as a superorder because affinities within Enoplia are still uncertain, but it falls within a broadened definition of the subclass.

- Subtribe **Rhaphothyreini** Hope & Murphy, 1969 *
- Genus *Agamospirura* Henry & Sisoff, 1913 (10 species)
- Genus *Rhaphothyreius* Hope & Murphy, 1969 (2 species)
- Subclass **Oncholaimia** Hodda, 2007 (1 superorder, 1 order, 1 suborder, 1 superfamily, 3 families, 9 subfamilies, 56 genera, 534 species)
- Superorder **Oncholaimica** Hodda, 2007 (1 order, 1 suborder, 1 superfamily, 3 families, 9 subfamilies, 56 genera, 534 species)
- Order **Oncholaimida** Siddiqi, 1983 (1 suborder, 1 superfamily, 3 families, 9 subfamilies, 56 genera, 534 species)⁴²
- Suborder **Oncholaimina** De-Coninck, 1965 (1 superfamily, 3 families, 9 subfamilies, 56 genera, 534 species)
- Superfamily **Oncholaimoidea** Filipjev, 1916 (De-Coninck, 1965) (3 families, 9 subfamilies, 56 genera, 534 species)
- Family **Oncholaimidae** Filipjev, 1916 (7 subfamilies, 36 genera, 338 species)
- Subfamily **Adoncholaiminae** Gerlach & Riemann, 1974 (5 genera, 39 species)
- Tribe **Adoncholaimini** Gerlach & Riemann, 1974 *
- Subtribe **Adoncholaiminii** Gerlach & Riemann, 1974 *
- Genus *Admirandus* Belogurov & Belagurova, 1979 (3 species)
- Species *multicavus* Mordukhovich, Atopkin, Fadeeva, Yagodina & Zograf, 2015
- Genus *Adoncholaimus* Filipjev, 1918 (27 species)
- Species *daikokuensis* Shimada & Kajihara, 2014
- Species *minor* Gagarin & Nguyen, 2016
- Species *pseudofervidus* Shimada & Kajihara, 2014
- Species *ussuriensis* Mordukhovich Atopkin Fadeeva Yagodina & Zograf, 2015
- Genus *Kreisoncholaimus* Rachor, 1969 (1 species)
- Genus *Metoncholaimoides* Wieser, 1953 (3 species)
- Species *medispiculatum* Salma, Nasira, Saima & Shahina, 2017
- Genus *Meyersia* Hopper, 1967 (5 species)
- Subfamily **Krampiinae** De-Coninck, 1965 (1 genus, 3 species)
- Tribe **Krampiini** De-Coninck, 1965 *
- Subtribe **Krampiinii** De-Coninck, 1965 *
- Genus *Krampia* Ditlevsen, 1921 (3 species)
- Subfamily **Octonchinae** De-Coninck, 1965 (3 genera, 4 species)
- Tribe **Octonchini** De-Coninck, 1965 *
- Subtribe **Octonchinii** De-Coninck, 1965 *
- Genus *Octonchus* De-Coninck, 1965 (2 species)
- Genus *Paroctonchus* Shi & Xu, 2016 (1 species)
- Species *nanjiensis* Shi & Xu, 2016
- Genus *Patagonema* Pastor-De-Ward, Lo-Russo & Villares, 2015 (1 species)
- Species *iubatam* Pastor-De-Ward, Lo-Russo & Villares, 2015
- Subfamily **Oncholaimellinae** De-Coninck, 1965 (5 genera, 31 species)
- Tribe **Oncholaimellini** De-Coninck, 1965 *
- Subtribe **Oncholaimellinii** De-Coninck, 1965 *
- Genus *Cacolaimus* Kreis, 1932 (1 species)
- Genus *Oncholaimelloides* Timm, 1967 (1 species)
- Genus *Oncholaimellus* De-Man, 1890 (20 species)
- Species *multiaporus* Neres, Da-Silva, De-Miranda-Junior, Fonseca-Genevois & Esteves, 2014
- Species *intersexus* Neres, Da-Silva, De-Miranda-Junior, Fonseca-Genevois & Esteves, 2014

42 Placed as a separate class by Hodda (2007), on the basis of the morphological apomorphy of the spermatozoa having a nuclear envelope present (Yushin *et al.* 2002). Supported as a distinct clade, but with relationships on molecular evidence either unresolved (Meldal *et al.* 2007) or with affinities to Tripylida (Holterman *et al.* 2006) or Enoplia (Litvaitis *et al.* 2000, Van Megen *et al.* 2009), and on morphological evidence with affinities to both Tripylida and Enopliida.

- Species *distortus* Neres, Da-Silva, De-Miranda-Junior, Fonseca-Genevois & Esteves, 2014
- Species *paulus* Neres, Da-Silva, De-Miranda-Junior, Fonseca-Genevois & Esteves, 2014
- Species *sineporus* Neres, Da-Silva, De-Miranda-Junior, Fonseca-Genevois & Esteves, 2014
- Genus *Oncholaimoides* Chitwood, 1937 (3 species)
- Genus *Viscosia* De-Man, 1890 (6 species)
syn *Mononcholaimus* Kreis, 1924 (Lorenzen, 1981)
- Subfamily **Oncholaiminae** Filipjev, 1916 (10 genera, 192 species)
- Tribe **Oncholaimini** Filipjev, 1916 *
- Subtribe **Oncholaiminii** Filipjev, 1916 *
- Genus *Dentolaimoides* Khan, 1994 (1 species)
- Genus *Doryonchus* Kreis, 1932 (1 species)⁴³
- Genus *Fotolaimus* Belogurova & Belagurov, 1974 (1 species)
- Genus *Metaparoncholaimus* De-Coninck & Schuurmans-Stekhoven, 1933 (5 species)
- Genus *Metoncholaimus* Filipjev, 1918 (30 species)
- Species *isopapillatus* Tahseen, Siddiqi & Mustaqim, 2016
- Species *medispiculatum* Salma, Nasira, Saima & Shahina, 2017
- Species *paracavatus* Lo-Russo & Pastor-De-Ward, 2019
- Species *perdisus* Lo-Russo & Pastor-De-Ward, 2019
- Species *sanmatiensis* Lo-Russo & Pastor-De-Ward, 2019
- Species *siddiqii* Shahina, Nasira & Shamim, 2015
- Genus *Oncholaimus* Dujardin, 1845 (129 species)
- Species *dimorphicus* Tahseen, Siddiqi & Mustaqim, 2016
- Species *dyvae* Zeppili, Bellec, Cambon-Bonavita, Decraemer, Fontaneto, Fuchs, Gayet, Mandon, Michel, Portail, Smol, Sorensen, Vanreusel & Sarrazin, 2019
- Species *langhovdensis* Shimada, Suzuki, Tsujimoto, Imura & Kakui, 2017
- Species *minor* Chen & Guo, 2014
- Species *paraoxyuris* Salma, Nasira, Saima & Shahina, 2017
- Species *siddiqii* Tauheed & Ahmad, 2016
- Species *xiamenense* Chen & Guo, 2014
- Species *zhangii* Gao & Huang, 2017
- Genus *Phylloncholaimus* Bussau, 1995 (2 species)
- Species *palmaris* Fadeeva, Mordukhovich & Zograf, 2015
- Genus *Proncholaimus* Micoletzky 1924 (13 species)
- Species *tani* Chen Nguyen & Smol, 2015
- Genus *Pseudoncholaimus* Kreis, 1932 (9 species)
- Genus *Weisoncholaimus* Inglis, 1966 (1 species)
- Subfamily **Pelagonematinae** De-Coninck, 1965 (10 genera, 29 species)
- Tribe **Pelagonematini** De-Coninck, 1965 *
- Subtribe **Pelagonematinii** De-Coninck, 1965 *
- Genus *Anoncholaimus* Cobb, 1920 (1 species)
- Genus *Asymmetrella* Cobb, 1920 (1 species)⁴⁴
- Genus *Bradybucca* Schuurmans-Stekhoven, 1956 (1 species)
- Genus *Curvolaimus* Wieser, 1953 (5 species)
- Genus *Illium* Cobb, 1920 (2 species)⁴⁵
- Genus *Pelaogonema* Cobb, 1893 (13 species)

43 Genus dubium incertae sedis (Chitwood 1960, Lorenzen 1994).

44 Genus dubium (Hope & Murphy 1972), incertae sedis (Lorenzen 1994).

45 Genus dubium (Hope & Murphy 1972) incertae sedis (Lorenzen 1994).

- Genus *Pelagonemella* Kreis, 1932 (1 species)
 Genus *Pseudopelagonema* Kreis, 1932 (2 species)
 Genus *Phaenoncholaimus* Kreis, 1934 (1 species)
 Genus *Vasculonema* Kreis, 1928 (2 species)
 Subfamily **Pontonematinae** Gerlach & Riemann, 1974 (2 genera, 40 species)
 Tribe **Pontonematini** Gerlach & Riemann, 1974 *
 Subtribe **Pontonematini** Gerlach & Riemann, 1974 *
 Genus *Filoncholaimus* Filipjev, 1927 (5 species)
 Genus *Pontonema* Leidy, 1855 (35 species)
 Species *golfonuevensis* Villares, Lo-Russo & Pastor-De-Ward, 2015
 Family **Enchelidiidae** Filipjev, 1918 (1 subfamily, 19 genera, 191 species)
 Subfamily **Enchelidiinae** Filipjev, 1918 (19 genera, 191 species)⁴⁶
 Tribe **Enchelidiini** Filipjev, 1918 *
 Subtribe **Enchelidiinii** Filipjev, 1918 *
 Genus *Abelbolla* Huang & Zhang, 2004 (7 species)
 Species *major* Jiang, Wang & Huang, 2015
 Species *maemulensis* Hong & Lee, 2014
 Genus *Aronema* Fadeeva & Belogurov, 1988 (2 species)
 Genus *Bathyeurystomina* Lamshead & Platt, 1979 (4 species)
 Species *minima* Nasira, Shahina & Shamim, 2014
 Genus *Belbolla* Andrassy, 1973 (12 species)
 Species *gracilis* Gagarin & Nguyen, 2016
 Species *longispiculata* Nasira, Shahina & Shamim, 2014
 Species *vietnamica* Gagarin & Nguyen, 2016
 Genus *Bolbellia* Gerlach & Riemann, 1974 (6 species)
 Genus *Calyptronema* Marion, 1870 (19 species)
 Subgenus *Calyptronema* Marion, 1870 (6 species)
 Subgenus *Catalaimus* Cobb, 1920 (13 species)
 Genus *Ditlevsenella* Filipjev, 1927 (4 species)
 Genus *Enchelidiella* Allgen, 1954 (1 species)⁴⁷
 Genus *Enchelidium* Ehrenberg, 1836 (8 species)
 Genus *Eurystomina* Filipjev, 1921 (47 species)
 Genus *Ledovitia* Filipjev, 1927 (10 species)
 Species *brevis* Hong & Lee, 2014
 Genus *Lyranema* Timm, 1961a (1 species)
 Genus *Pareurystomina* Micoletzky & Kreis, 1930 (20 species)
 Genus *Polygastrophora* De-Man, 1922 (17 species)
 Species *novenbulba* Jiang, Wang & Huang, 2015
 Genus *Polygastrophoides* Sun & Huang, 2016 (1 species)
 Species *elegans* Sun & Huang, 2016
 Genus *Pseudodilaimus* Kreis, 1928 (1 species)⁴⁸
 Genus *Symplocostoma* Bastian, 1865 (23 species)
 Species *brasiliensis* Nares, Fonseca-Genevois & Esteves, 2013
 Genus *Symplocostomella* Micoletzky & Kreis, 1930 (4 species)
 Genus *Thoonchus* Cobb, 1920 (4 species)
 Family **Thalassogeneridae** Loof & Zullini, 2000 (1 subfamily, 1 genus, 5 species)

46 Subfamily Symplocostomatinae Filipjev 1918 was rejected by Lorenzen (1994) because the otherwise apomorphic features of a pharyngeal bulb, sexual dimorphism in the structure of the buccal cavity, and dorsally spiral amphids are shared between the subfamilies. Likewise Belbolinae Andrassy 1976, Thoonchinae Gerlach & Riemann 1974, Pareurystomininae Andrassy 1976 and Aronematinae Fadeeva & Belogurov 1988 lack diagnostic characters (Lorenzen 1994, Smol & Coomans 2006).

47 Genus dubium in Gerlach & Riemann (1974).

48 Inadequately described, genus dubium and incertae sedis: unplaced by Lorenzen (1994).

Subfamily **Thalassogenerinae** Loof & Zullini, 2000 * (1 genus, 5 species)
 Tribe **Thalassogenerini** Loof & Zullini, 2000 *
 Subtribe **Thalassogenerinii** Loof & Zullini, 2000 *
 Genus *Thalassogenus* Andrassy, 1973 (5 species)⁴⁹
 Subclass **Triplonchia** Hodda, 2007 (1 superorder, 2 orders, 3 suborders, 6 superfamilies, 11 families, 15 subfamilies, 42 genera, 495 species)⁵⁰
 Superorder **Triplonchica** Hodda, 2007 (2 orders, 3 suborders, 6 superfamilies, 11 family, 15 subfamilies, 42 genera, 495 species)
 Order **Triplonchida** Cobb, 1920 (1 suborder, 2 superfamilies, 2 families, 2 subfamilies, 10 genera, 155 species)⁵¹
 Suborder **Diphtherophorina** Coomans & Loof, 1970 (2 superfamilies, 2 families, 2 subfamilies, 10 genera, 155 species)
 Superfamily **Diphtherophoroidea** Thorne, 1935 (Clark, 1961) (1 family, 1 subfamily, 3 genera, 54 species)
 Family **Diphtherophoridae** Thorne, 1935 (1 subfamily, 3 genera, 54 species)
 Subfamily **Diphtherophorinae** Thorne, 1935 * (3 genera, 54 species)
 Tribe **Diphtherophorini** Thorne, 1935 *
 Subtribe **Diphtherophorinii** Thorne, 1935 *
 Genus *Diphtherophora* Micoletzky, 1922 (37 species)
 Species *chinensis* Mahamood, Li, Keshari & Liang, 2015
 Species *geraerti* Ghaderi, Kashi, Karani & Karegar, 2017
 Genus *Longibulbophora* Yeates, 1967 (2 species)
 Genus *Tylolaimophorus* De-Man, 1880 (15 species)
 Superfamily **Trichodoroidea** Thorne, 1935 (Siddiqi, 1974) (1 family, 1 subfamily, 7 genera, 101 species)
 Family **Trichodoridae** Thorne, 1935 (Clark, 1961) (1 subfamily, 7 genera, 101 species)
 Subfamily **Trichodorinae** Thorne, 1935 (7 genera, 101 species)
 Tribe **Trichodorini** Thorne, 1935 *
 Subtribe **Trichodorinii** Thorne, 1935 *
 Genus *Allotrichodorus* Rodriguez-M, Sher & Siddiqi, 1978 (6 species)
 Genus *Atlantadorus* Siddiqi, 1974 (1 species)⁵²
 Genus *Ecuadorus* Siddiqi, 2002 (1 species)
 Genus *Monotrichodorus* Andrassy, 1976 (8 species)
 Genus *Nanidorus* Siddiqi, 1974 (3 species)⁵³
 Genus *Paratrichodorus* Siddiqi, 1974 (30 species)⁵⁴
 Species *almadenensis* Decraemer, Cantalapiedra-Navarrete, Archidona-Yuste, Varela-Benavides, Gutierrez-Gutierrez, Castillo & Palomares-Rius, 2019

49 Placed in Pelagonematinae Oncholaimidae Oncholaimoidea Oncholaimina Oncholaimida by Andrassy (1973), but transferred to Mononchidae by Jensen (1976) and Lorenzen (1994).

50 *Triplonchia* was placed as the only subclass in Class Tripylea in previous classifications (Hodda 2007), on the basis of ambiguous morphological evidence, and weak (55-66%) or low molecular support for the dichotomous division of Nematoda into Enoplea and Chromadorea (Holterman *et al.* 2006, Meldal *et al.* 2006, Smythe *et al.* 2006), making a polytomy of Enoplea, Chromadorea, Tripylea, and Dorylaimea the only justified assumption. One species—*Tobrilus diversipapillatus*—has a gastrulation pattern highly common in animal kingdom, but uncommon in nematodes (Schierenberg 2005). Information on the patterns of gastrulation in other *Triplonchia*, *Enoplea* and *Dorylaimea* could potentially provide resolution for the early phylogeny of nematodes. In the absence of morphological or developmental evidence, recent molecular analyses show some affinities between the former Tripylea and the former Enoplea (Van Megen *et al.* 2009), so Tripylea is now placed as a subclass with the sole subclass of the former Enoplea in an enlarged class Enoplea.

51 Cobb (1920) used the name *Triplonchia* as an order, but this pre-dates the adoption of uniform endings for the names of higher taxa, so is credited as the authority here. Siddiqi (1983) was the first to propose the name at order level in its current form.

52 Originally proposed as subgenus of *Paratrichodorus*, but raised to genus by Siddiqi (1980). Synonym of *Paratrichodorus* by Decraemer & de Waele (1981).

53 Originally proposed as subgenus of *Paratrichodorus*, but raised to genus by Siddiqi (1980). Synonym of *Paratrichodorus* by Decraemer & de Waele (1981).

54 According to Decraemer *et al.* (2019).

- Species *ramblensis* Decraemer, Cantalapiedra-Navarrete, Archidona-Yuste,
Varela-Benavides, Gutierrez-Gutierrez, Castillo & Palomares-
-Rius, 2019
- Genus *Trichodorus* Cobb, 1913 (52 species)⁵⁵
Species *iranicus* Pedram & Pourjam, 2014
syn *Trichodorus golestanensis* Heydari, Maafi & Decraemer, 2014⁵⁶
Species *zanjanensis* Asghari, Eskandari, Maafi & Decraemer, 2018
- Order **Tripylida** Siddiqi, 1983 (2 suborders, 4 superfamilies, 9 families, 13 subfamilies, 32 genera, 340 species)
- Suborder **Tripylina** Andrassy, 1974 (2 superfamilies, 5 families, 8 subfamilies, 17 genera, 266 species)⁵⁷
- Superfamily **Tripyloidea** De-Man, 1876 (Clark, 1961) (1 family, 2 subfamilies, 4 genera, 65 species)
- Family **Tripylidae** De-Man, 1876 (2 subfamilies, 4 genera, 65 species)
- Subfamily **Tobriliinae** Andrassy, 2007 (1 genus, 2 species)
- Tribe **Tobriliini** Andrassy, 2007 *
- Subtribe **Tobriliinii** Andrassy, 2007 *
- Genus *Tobriila* Andrassy, 1967 (2 species)
- Subfamily **Tripylinae** De-Man, 1876 (3 genera, 63 species)
- Tribe **Tripylini** De-Man, 1876 *
- Subtribe **Tripylinii** De-Man, 1876 *
- Genus *Multidens* Mukhina, 1978 (1 species)⁵⁸
- Genus *Tripyla* Bastian, 1865 (43 species)
- Species *alekseeva* Gagarin & Naumova, 2018
- Species *paraffinis* Asghari, Eskandari, Maafi, Alvarez-Ortega & Zhao, 2017
- Species *parafilicaudata* Asghari, Eskandari, Maafi, Alvarez-Ortega & Zhao, 2017
- Species *mposolskii* Gagarin & Naumova, 2016
- Genus *Tripyrella* Brzeski & Winiszewska-Slipinska, 1993 (19 species)
- Species *australis* Xu, Zhao, Davies & Wang, 2017
- Species *jianjuni* Xu, Leduc, Ye & Zhao, 2018
- Species *dentata* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
- Species *fatimaesis* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
- Species *mexicana* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
- Species *musculi* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
- Species *quitoensis* Cid-Del-Prado-Vera, Ferris & Nadler, 2016
- Species *subintermedia* Zhao, Xi & Xu, 2014
- Superfamily **Tobriloidea** De-Coninck, 1965 (4 families, 6 subfamilies, 13 genera, 201 species)
- Family **Pandolaimidae** Belogurov, 1980 (1 subfamily, 1 genus, 5 species)
- Subfamily **Pandolaiminae** Belogurov, 1980 * (1 genus, 5 species)
- Tribe **Pandolaimini** Belogurov, 1980 *
- Subtribe **Pandolaiminii** Belogurov, 1980 *
- Genus *Pandolaimus* Allgen, 1929 (5 species)
- Family **Rhabdodemaniidae** Filipjev, 1934 (1 subfamily, 1 genus, 17 species)
- Subfamily **Rhabdodemaniinae** Filipjev, 1934 * (1 genus, 17 species)
- Tribe **Rhabdodemaniini** Filipjev, 1934 *
- Subtribe **Rhabdodemaniinii** Filipjev, 1934 *
- Genus *Rhabdodemia* Baylis & Daubney, 1926 (17 species)
- Family **Tobriliidae** De-Coninck, 1965 (3 subfamilies, 10 genera, 178 species)⁵⁹

55 The genus name *Trichodora* has page priority in Cobb 1913 (p434 vs p441), but the name *Trichodorus* is in wide use (by at least 10 different authors in the last 50 years) and *Trichodora* has not been used, so *Trichodorus* is used.

56 Synonymized by Pedram *et al.* (2015) on the basis of morphology and molecular (28S).

57 Division of Tripylina into two clades is supported by molecular evidence (Meldal *et al.* 2006).

58 Genus dubium incertae sedis.

59 The family Tobriliidae should include the genus *Trischistoma* (Holterman & Holovachov 2007, Zullini 2006), but more recently it was classified as a superfamily within Tripyloidina on the basis of molecular and morphological evidence (Zhao 2011).

- Subfamily **Asperotobrilinae** De-Coninck, 1965 (Andrassy, 2007) (1 genus, 3 species)
 Tribe **Asperotobrilini** De-Coninck, 1965 *
 Subtribe **Asperotobrilinii** De-Coninck, 1965 *
 Genus *Asperotobrilus* Shoshin, 1991 (3 species)
- Subfamily **Neotobrilinae** Tsalolikhin, 2001 (4 genera, 25 species)
 Tribe **Neotobrilini** Tsalolikhin, 2001 *
 Subtribe **Neotobrilinii** Tsalolikhin, 2001 *
 Genus *Macrotobrilus* Tsalolikhin, 1981 (1 species)
 Genus *Neotobrilus* Tsalolikhin, 1981 (17 species)
 Genus *Quasibrilus* Tsalolikhin, 1976 (3 species)
 Genus *Semitobrilus* Tsalolikhin, 1981 (4 species)
- Subfamily **Tobrilinae** Filipjev, 1918 (5 genera, 150 species)⁶⁰
 Tribe **Tobrilini** Filipjev, 1918 *
 Subtribe **Tobrilinii** Filipjev, 1918 *
 Genus *Epitobrilus* Tsalolikhin, 1981 (25 species)
 Species *interstitialis* Naumova & Gagarin, 2017
 Genus *Eutobrilus* Tsalolikhin, 1981 (40 species)
 Species *ayaensis* Gagarin & Naumova, 2018
 Species *peregrinator* Tsalolikhin, 1983
 syn *Epitobrilus medius* G. Schneider, 1916 apud Tsalolikhin, 1980 (Naumova & Gagarin, 2019)
 Species *stefanskii* Gagarin & Naumova, 2018
 Genus *Kurikania* Tsalolikhin, 1976 (2 species)
 Genus *Paratrilobus* Micoletzky, 1922 (7 species)
 Genus *Tobrilus* Andrassy, 1959 (76 species)
 Species *elginus* Naumova & Gagarin, 2019
 Species *juliae* Naumova & Gagarin, 2019
 Species *methanus* Gagarin & Naumova, 2016
 Species *saprophagus* Naumova & Gagarin, 2017
- Family **Triodontolaimidae** De-Coninck, 1965 (Lorenzen, 1978) (1 subfamily, 1 genus, 1 species)⁶¹
 Subfamily **Triodontolaiminae** De-Coninck, 1965 (1 genus, 1 species)
 Tribe **Triodontolaimini** De-Coninck, 1965 *
 Subtribe **Triodontolaiminii** De-Coninck, 1965 *
 Genus *Triodontolaimus* De-Man, 1893 (1 species)
- Suborder **Prismatolaimina** Hodda, 2010 (2 superfamilies, 4 families, 5 subfamilies, 15 genera, 74 species)⁶²
 Superfamily **Prismatolaimoidea** Micoletzky, 1918 (Hodda, 2007) (3 families, 3 subfamilies, 5 genera, 52 species)
- Family **Prismatolaimidae** Micoletzky, 1918 (1 subfamily, 2 genera, 38 species)⁶³
 Subfamily **Prismatolaiminae** Micoletzky, 1918 * (2 genera, 38 species)
 Tribe **Prismatolaimini** Micoletzky, 1918 *
 Subtribe **Prismatolaiminii** Gerlach & Riemann, 1974 *
 Genus *Prismatolaimus* De-Man, 1880 (37 species)

60 Filipjev (1918) named the subfamily Trilobini, but the genus name *Trilobus* on which it was based is a homonym, so changed to *Tobrilus*.

61 Subfamily created by De Coninck (1965).

62 Placed with Tobriloidea by De Ley & Blaxter (2002). Some molecular analyses place the families Prismatolaimidae and Bastianiidae in a separate clade (Holterman *et al.* 2006, Van Megen *et al.* 2009), while others did not resolve their relationships (Meldal *et al.* 2006). None of the molecular analyses resolve the relationship of the families with Tobrilidae or Tripylidae. Morphological evidence has been interpreted as suggesting affinities with Bastianiidae, Onchulidae or Tripylidae or even Monhysteridae (Coomans & Raski 1988, De Coninck 1935, Goodey 1963, Hodda *et al.* 2004). Recent analyses have suggested inclusion in Tripylida on the basis of the structure of the buccal cavity and cephalic sensillae (Hodda *et al.* 2004, Hodda 2007, Holovachov *et al.* 2008).

63 Subfamily created by Micoletzky (1922).

- Genus *Takakia* Yeates, 1967 (1 species)
- Family **Bastianiidae** De-Coninck, 1935 (1 subfamily, 2 genera, 10 species)⁶⁴
- Subfamily **Bastianiinae** De-Coninck, 1935 * (2 genera, 10 species)
- Tribe **Bastianiini** De-Coninck, 1935 *
- Subtribe **Bastianiinii** De-Coninck, 1935 *
- Genus *Bastiania* De-Man, 1876 (9 species)
- Genus *Dintheria* De-Man, 1921 (1 species)
- Family **Odontolaimidae** Gerlach & Riemann, 1974 (Lorenzen, 1981) (1 subfamily, 1 genus, 4 species)
- Subfamily **Odontolaiminae** Gerlach & Riemann, 1974 (1 genus, 4 species)
- Tribe **Odontolaimini** Gerlach & Riemann, 1974 *
- Subtribe **Odontolaiminii** Gerlach & Riemann, 1974 *
- Genus *Odontolaimus* Lorenzen, 1981 (4 species)
- Superfamily **Onchuloidea** Andrassy, 1964 (Hodda, 2010) (1 family, 2 subfamilies, 10 genera, 22 species)⁶⁵
- Family **Onchulidae** Andrassy, 1964 (2 subfamilies, 10 genera, 22 species)⁶⁶
- Subfamily **Onchulinae** Andrassy, 1964 (5 genera, 16 species)
- Tribe **Onchulini** Andrassy, 1964 *
- Subtribe **Onchulinii** Andrassy, 1964 *
- Genus *Cyathonchus* Cobb, 1933 (1 species)
- Genus *Kinonchulus* Riemann, 1972 (1 species)
- Genus *Limonchulus* Andrassy, 1963 (4 species)
- Genus *Onchulus* Cobb, 1920 (9 species)
- Genus *Stenonchulus* Schneider, 1940 (1 species)
- Subfamily **Pseudonchulinae** Hodda, Bloemers & Wanless, 2005 (5 genera, 6 species)
- Tribe **Pseudonchulini** Hodda, Bloemers & Wanless, 2005 *
- Subtribe **Pseudonchulinii** Hodda, Bloemers & Wanless, 2005 *
- Genus *Caprionchulus* Swart & Heyns, 1993 (1 species)
- Genus *Cupostomella* Siddiqi, 2013 (1 species)
- Species *nobbsae* Siddiqi, 2013
- Genus *Pseudonchulus* Altherr, 1972 (1 species)
- Genus *Tobriloides* Loof, 1973 (2 species)
- Genus *Tobrilonchulus* Holovachov, Winiszewska, Sturhan, Esquivel & Wu, 2008 (1 species)

64 Bastianiidae was family *incertae sedis* in the classifications of De Ley *et al.* (2006) and Hodda (2007). It has been included in Enoplida: Oxystominidae (Andrassy 1976), Tripylida:Prismatolaimidae (De Coninck 1935), Araeolaimida (Goodey 1963), and Chromadorida:Leptolaimina (Lorenzen 1994, Ryss 1988). The family was not included in some molecular analyses (Meldal *et al.* 2006, Smythe *et al.* 2006), but was resolved as a clade with Prismatolaimidae when it was included (Holterman *et al.* 2006, Van Megen *et al.* 2009). There are morphological similarities with Prismatolaimidae in the structure of the sensilla, amphid, cardia, supplements, spicules, spicular musculature, gubernaculum and organellum ovale (Coomans & Raski 1988, Holovachov 2006, Tchesunov & Sturhan 2002). The molecular and morphological evidence seems enough to place the family despite some evidence of other affinities.

65 There is a unique structure of the oesophagus with gland cells interspersed with muscle, which defines the superfamily. Morphological similarities in the orifices of the oesophageal glands, cephalic sensillae, amphids and cardia support affinities with Prismatolaimidae (Hodda *et al.* 2004, Hodda 2007, Holovachov *et al.* 2008). Other interpretations include the family being totally unrelated to, closely related to, or a subset of, the Prismatolaimidae, and variously as belonging to the orders Trefusiida, Enoplida, Tripylida and Triplonchida (Goodey 1963, Andrassy 1964, De Coninck 1965, Riemann 1972, Andrassy 1976, Maggenti 1982, Siddiqi 1983, Maggenti 1991, Lorenzen 1994, Andrassy 2001a,b, De Ley & Blaxter 2002). Some authors have considered the evidence for higher systematics in this group inconclusive (Coomans & Raski 1988).

66 Hodda (2007) placed Onchulidae with Prismatolaimidae in Prismatolaimoidea, but with the inclusion of Bastianiidae with Prismatolaimidae in Prismatolaimoidea, continued inclusion of Onchulidae is no longer justified, so Onchulidae is placed in a new superfamily but with Prismatolaimoidea in a new suborder Prismatolaimina.

Class **Dorylaimea** Hodda, 2007 (3 subclasses, 3 superorders, 8 orders, 10 suborders, 17 superfamilies, 41 families, 90 subfamilies, 499 genera, 4917 species)⁶⁷

Subclass **Dorylaimia** Inglis, 1983 (1 superorder, 1 order, 2 suborders, 6 superfamilies, 18 families, 52 subfamilies, 269 genera, 3126 species)

Superorder **Dorylaimica** Hodda, 2007 (1 order, 2 suborders, 6 superfamilies, 18 families, 52 subfamilies, 269 genera, 3126 species)

Order **Dorylaimida** Pearse, 1942 (2 suborders, 6 superfamilies, 18 families, 52 subfamilies, 269 genera, 3126 species)⁶⁸

Suborder **Dorylaimina** Chitwood, 1933 (5 superfamilies, 14 families, 46 subfamilies, 254 genera, 2995 species)⁶⁹

Superfamily **Dorylaimoidea** De-Man, 1876 (Thorne, 1934) (4 families, 19 subfamilies, 121 genera, 1488 species)

Family **Dorylaimidae** De-Man, 1876 (4 subfamilies, 35 genera, 520 species)

Subfamily **Arctidorylaiminae** Mulvey & Anderson, 1979 (2 genera, 5 species)

Tribe **Arctidorylaimini** Mulvey & Anderson, 1979 *

Subtribe **Arctidorylaiminii** Mulvey & Anderson, 1979 *

Genus *Arctidorylaimus* Mulvey & Anderson, 1979 (4 species)

Genus *Kittidorylaimus* Andrassy, 1999 (1 species)

Subfamily **Dorylaiminae** De-Man, 1876 (7 genera, 47 species)

Tribe **Dorylaimini** De-Man, 1876 *

Subtribe **Dorylaiminii** De-Man, 1876 *

Genus *Anadorella* Siddiqi, 2005 (1 species)

Genus *Baladorylaimus* Andrassy, 2001 (1 species)

Genus *Dorylaimus* Dujardin, 1845 (28 species)

Species *elegans* Vinciguerra, Eskandari, Clausi, Asghari & Rapazzo, 2016

Genus *Ischiodorylaimus* Andrassy, 1969 (13 species)

Species *paracognatus* Gagarin & Gusakov, 2016

Genus *Kunjudorylaimus* Dhanam & Jairajpuri, 2000 (2 species)

Genus *Namaquanema* Heyns & Swart, 1993 (1 species)

Genus *Salimella* Siddiqi, 2005 (1 species)

Subfamily **Laimydorinae** Andrassy, 1969 (14 genera, 375 species)

Tribe **Laimydorini** Andrassy, 1969 *

Subtribe **Laimydorinii** Andrassy, 1969 *

Genus *Afrodorylaimus* Andrassy, 1964 (7 species)

Genus *Amphidorylaimus* Andrassy, 1960 (3 species)

Genus *Calcaridorylaimus* Andrassy, 1986 (10 species)

67 Regarded as a subset of Enoplia by Lorenzen (1981) on the basis of the presence of primarily non-spiral amphids, the group is unresolved in most molecular phylogenies (Meldal *et al.* 2006, Litvaitis *et al.* 2000, Smythe *et al.* 2006). However, Dorylaimea is clearly a separate branch in the latest molecular analysis (Van Megen *et al.* 2009). This position is compatible with morphological analysis (Lorenzen 1981) if the assumed character polarity is reversed, and non-spiral amphids become plesiomorphic rather than apomorphic. All Orders within Dorylaimea have the morphological apomorphy of oesophageal glands opening behind the nerve ring. The clade has been advanced before on other morphological evidence (Maggenti 1991). Using morphological evidence requiring some assumptions regarding homology, but considering the vertebrate-parasitic Trichocephalida, Dioctophymatida, Muspiceida and Mermithida rather than the free-living members of the groups, Spratt (2011) regarded these groups as having shared characters of onchiostyles with Triplochida within Enoplea, and thus supporting Dorylaimia as a subclass within an expanded Enoplea. He also pointed out the presence of a Demanian system appears limited to Muspiceidae (both species of the genus *Maseria*) and 11 genera of Oncholaimida, suggesting further links between Trichocephalia and Enoplea. The clade of Dorylaimia is also supported by other molecular evidence, although it has been equivocally included within Enoplea (De Ley & Blaxter 2004) or Chromadorea (Holterman *et al.* 2006). Spermatogenesis and development provide further evidence for the separation of Dorylaimea from Enoplea and Chromadorea (Yushin & Malakhov 2004, Schierenberg & Lahl 2004). Herein the relation with Enoplea and Chromadorea is regarded as a polytomy (Aleshin *et al.* 1998, Hodda 2007).

68 Classification generally follows Jairajpuri & Ahmad (1992). See Pena-Santiago (2014) for alternative classification.

69 Created as suborder Dorylaimata by Chitwood (1933), which pre-dates the adoption of uniform endings for higher taxa, hence the authority is Chitwood 1933, although the first to use the name Dorylaimina was Pearse (1936).

- Species *castaneae* Nedelchev, Elshishka, Lazarova, Radoslavov, Hristov & Peneva, 2014
- Genus *Crocodyrlaimus* Andrassy, 1988 (10 species)
 Species *borchuk* Tsalolikhin, 2014
 Species *dadayi* (Thorne & Swanger, 1936) Tsalolikhin, 2014
 syn *Dorylaimus dadayi* Thorne & Swanger, 1936 (Tsalolikhin, 2014)
 Species *fecundus* (Cobb1914) Tsalolikhin, 2014
 syn *Laimydorus fecundus* (Cobb, 1914) Andrassy1986
 Species *flavomaculatus* (Linstow, 1876) Tsalolikhin, 2014
 syn *Dorylaimus flavomaculatus* Linstow, 1876 (Tsalolikhin, 2014)
 Species *thermalis* Andrassy, 1999
 syn *vaginatus* Ahmad & Araki, 2003
- Genus *Drepanodorylaimus* Jairajpuri, 1966 (18 species)
- Genus *Halodorylaimus* Andrassy, 1988 (3 species)
- Genus *Idiodorylaimus* Andrassy, 1969 (7 species)
- Genus *Laimydorus* Siddiqi, 1969 (91 species)
 Species *gigas* Gagarin & Gusakov, 2014
 Species *propinquus* Gagarin & Gusakov, 2016
 Species *tenuis* Gagarin & Gusakov, 2014
- Genus *Mesodorylaimus* Andrassy, 1959 (150 species)
 Species *rivalis* Gusakov & Gagarin, 2016
- Genus *Miodorylaimus* Andrassy, 1986 (2 species)
- Genus *Paradorylaimus* Andrassy, 1969 (20 species)⁷⁰
 Species *andinus* Orselli, Clausi & Vinciguerra, 2012
 Species *dorsocaudali* Nasira, Israr & Shahina, 2017
 Species *flagellicaudatus* Orselli, Clausi & Vinciguerra, 2012
 Species *longicaudatus* Orselli, Clausi & Vinciguerra, 2012
 Species *securus* Gagarin & Naumova, 2018
- Genus *Prodorylaimium* Andrassy, 1969 (4 species)
- Genus *Prodorylaimus* Andrassy, 1959 (48 species)
 Species *andrassyi* Gagarin, 2013
 Species *baikalensis* Naumova & Gagarin, 2018
 Species *reyesi* Vinciguerra, Eskandari, Clausi, Asghari & Rapazzo, 2016
- Genus *Protodorylaimus* Andrassy, 1988 (2 species)
- Subfamily **Thornenematinae** Siddiqi, 1969 (12 genera, 93 species)
- Tribe **Thornenematini** Siddiqi, 1969 *
- Subtribe **Thornenematinii** Siddiqi, 1969 *
- Genus *Coomansinema* Ahmad & Jairajpuri, 1989 (13 species)
 Species *dimorphicauda* Ahmad & Jairajpuri, 1989
 Species *istvani* Vinciguerra, Orselli & Clausi, 2014
 Species *japonicum* Ahmad, Mushtaq, Shahnaz & Kumar, 2019
 Species *longicaudatum* Ahmad, Mushtaq, Shahnaz & Kumar, 2019
- Genus *Fuscheila* Siddiqi, 1982 (2 species)
- Genus *Lagenonema* Andrassy, 1987 (6 species)
- Genus *Opisthodorylaimus* Ahmad & Jairajpuri, 1982 (11 species)
 Species *suklai* Das & Manna, 2014
- Genus *Paratimminema* Rahaman, Ahmad & Khan, 1994 (2 species)
- Genus *Prothornenema* Baqri & Bohra, 2003 (1 species)
- Genus *Sclerolabia* Carbonell & Coomans, 1986 (6 species)

70 Loof and Coomans (1986) considered *Paradorylaimus* a synonym of *Laimydorus* Siddiqi 1969. Vinciguerra (2006), Andrassy (2009) and Orselli *et al.* (2012) considered the genus valid but in a subfamily Afrodorylaiminae of the family Dorylaimidae based in the arrangement of labial papillae. Species in the genus as per Kazi *et al.* (2017).

- Genus *Sicaguttur* Siddiqi, 1971 (15 species)
 Species *kailashi* Keya Gantait & Rizvi, 2019
- Genus *Sivallis* Ahmad & Jairajpuri, 1986 (1 species)
- Genus *Thornenema* Andrassy, 1959 (21 species)
- Genus *Timminema* Khan, 1978 (6 species)
- Genus *Willinema* Baqri & Jairajpuri, 1967 (9 species)
- Family **Aporcelaimidae** Heyns, 1965 (3 subfamilies, 17 genera, 333 species)
- Subfamily **Aporcelaiminae** Heyns, 1965 (12 genera, 261 species)
- Tribe **Aporcelaimini** Heyns, 1965 *
- Subtribe **Aporcelaiminii** Heyns, 1965 *
- Genus *Akrotonus* Thorne, 1974 (2 species)
- Genus *Amblydorylaimus* Andrassy, 1998 (1 species)⁷¹
- Genus *Aporcedorus* Jairajpuri & Ahmad, 1983 (2 species)
- Genus *Aporcelaimus* Thorne & Swanger, 1936 (35 species)
- Genus *Aporcella* Andrassy, 2002 (5 species)
 Species *charidemiensis* Alvarez-Ortega & Pena-Santiago, 2016
 Species *malekmilanii* Naghavi, Niknam, Vasifeh & Pena-Santiago, 2019
- Genus *Epacrolaimus* Andrassy, 2000 (2 species)
- Genus *Metaporcelaimus* Lordello, 1965 (19 species)
 Species *concinus* Krainer, Susulovsky & Pena-Santiago, 2018
 Species *declivicaudatus* Krainer, Susulovsky & Pena-Santiago, 2018
 Species *petrophilus* Krainer, Susulovsky, Bostrom & Pena-Santiago, 2019
- Genus *Takamangi* Yeates, 1967 (31 species)⁷²
- Genus *Tubixaba* Monteiro & Lordello, 1980 (37 species)
- Tribe **Aporcelaimellini** Andrassy, 2009 *⁷³
- Subtribe **Aporcelaimellinii** Andrassy, 2009 *
- Genus *Aporcelaimellus* Heyns, 1965 (76 species)
- Genus *Aporcelinus* Andrassy, 2009 (41 species)
 Species *brasiliensis* Pena-Santiago & Abolafia, 2016
 syn *granuliferus* (Cobb, 1893) Andrassy, 2009 *sensu* Thorne & Swanger, 1936
 (Pena-Santiago & Abolafia, 2016)
 Species *decimus* Andrassy, 2009
 Species *elongicaudatus* Varela-Benavides & Pena-Santiago, 2018
 Species *falcicaudatus* Nguyen, Abolafia, Bonkowski & Pena-Santiago, 2016
 Species *floridensis* Alvarez-Ortega, Subbotin & Pena-Santiago, 2018
 Species *itecreei* Pena-Santiago & Varela-Benavides, 2019
 Species *mesoamericanus* Pena-Santiago & Varela-Benavides, 2019
 Species *menzeli* (Bally & Reydon, 1931) Pena-Santiago & Abolafia, 2016
 syn *Dorylainus menzeli* Bally & Reydon, 1931 (Pena-Santiago & Abolafia, 2016)
 Species *micrurus* (Daday, 1905) Pena-Santiago & Abolafia, 2016
 syn *Dorylainus micrurus* Daday, 1905 (Pena-Santiago & Abolafia, 2016)
 Species *neogranuliferus* Pena-Santiago & Abolafia, 2016
 Species *paolae* Alvarez-Ortega, Subbotin & Pena-Santiago, 2018
 Species *paramamillatus* Nguyen, Abolafia, Bonkowski & Pena-Santiago, 2016

71 Originally described as a species of *Eudorylaimus* and placed in Qudsianematinae by Loof 1975 then separated as a separate montypic genus and placed in Qudsianematinae on morphological evidence by Andrassy (1998), but Aporcelaimidae on molecular evidence (Elshiska *et al.* 2015)

72 Originally described in Dorylaiminae (Yeates 1967) on the basis of an oral aperture circular in cross section, but also regarded as Qudsianematinae (Vinciguerra 2006), Aporcelaiminae (Jairajpuri & Ahmad 1992), and as a synonym of *Aporcelaimellus* in the subfamily Aporcelaiminae on the basis of the stylet and lip characteristics (Pena Santiago & Ciobanu 2007). Vinciguerra (2006) recognized 31 valid species.

73 Proposed as a subfamily by Andrassy (2009) and supported by Alvarez Ortega *et al.* (2018).

- Species *paraseychellensis* Nguyen, Abolafia, Bonkowski & Pena-Santiago, 2016
 Species *reyesi* Vinciguerra Orselli & Clausi, 2014
 Species *reynecki* (Van-Der-Linde, 1938) Pena-Santiago & Abolafia, 2016
 syn *Dorylainus reynecki* Van-Der-Linde, 1938 (Pena-Santiago & Abolafia, 2016)
 syn *Eudorylainus reynecki* (Van-Der-Linde, 1938) Tjepkema, Ferris & Ferris, 1971
 Species *yucatanensis* (Chitwood, 1938) Pena-Santiago & Abolafia, 2016
 syn *Dorylainus yucatanensis* Chitwood, 1938 (Pena-Santiago & Abolafia, 2016)
- Genus *Makatinus* Heyns, 1965 (10 species)
 Species *africanus* Girgan, Marais, Fourie, Tiedt & Swart, 2019
 Species *crassiformis* (Kreis, 1924) Andrassy, 1986
 syn *Dorylainus crassiformis* Kreis, 1924 (Andrassy, 1986)
 syn *macrostylus* Shaheen & Ahmad, 2004 (Varela Abolafia & Pena-Santiago, 2017)
- Subfamily **Paraxonchiinae** Dhanachand & Jairajpuri, 1981 (3 genera, 18 species)
 Tribe **Paraxonchiini** Dhanachand & Jairajpuri, 1981 *
 Subtribe **Paraxonchiinii** Dhanachand & Jairajpuri, 1981 *
 Genus *Gopalus* Khan, Jairajpuri & Ahmad, 1988 (1 species)
 Genus *Paraxonchium* Krall, 1958 (15 species)
 Genus *Tendinema* Siddiqi, 1995 (2 species)
- Subfamily **Sectonematinae** Siddiqi, 1969 (2 genera, 54 species)
 Tribe **Sectonematini** Siddiqi, 1969 *
 Subtribe **Sectonematinii** Siddiqi, 1969 *
 Genus *Sectonema* Thorne, 1930 (40 species)⁷⁴
 Species *birrucephalum* Alvarez-Ortega, Nguyen, Abolafia, Vu, Bonkowski & Pena-Santiago, 2016
 Species *buccociliatum* Alvarez-Ortega, Nguyen, Abolafia, Vu, Bonkowski & Pena-Santiago, 2016
 Species *caobangense* Alvarez-Ortega, Nguyen, Abolafia, Vu, Bonkowski & Pena-Santiago, 2016
 Species *ciliatum* Alvarez-Ortega, Nguyen, Abolafia, Vu, Bonkowski & Pena-Santiago, 2016
 Species *septentrionale* Pena-Santiago & Alvarez-Ortega, 2015
 Species *tropicum* Nguyen, Abolafia, Bonkowski, Pena-Santiago & Alvarez-Ortega, 2016
 Species *vietnamense* Nguyen, Abolafia, Bonkowski, Pena-Santiago & Alvarez-Ortega, 2016
- Genus *Aporcelaimoides* Heyns, 1965 (14 species)
 Species *amazonicum* (Siddiqi, 1995) Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015
 syn *Sectonema amazonicum* Siddiqi, 1995 (Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015)
 Species *brevistylum* Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015
 Species *haguei* (Hunt, 1978) Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015
 syn *Nygolaimium Haguei* Hunt, 1978 (Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015)
 Species *minor* Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015
 Species *moderatum* (Siddiqi, 1995) Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015
 syn *Sectonema moderatum* Siddiqi, 1995 (Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015)

74 Following Alvarez-Ortega & Pena-Santiago (2019).

Species *silvaticum* Alvarez-Ortega, Nguyen, Abolafia, Tu & Pena-Santiago, 2015

Family **Qudsianematidae** Siddiqi, 1969 (7 subfamilies, 43 genera, 457 species)⁷⁵

Subfamily **Chrysonematinae** Siddiqi, 1969 (1 genus, 10 species)

Tribe **Chrysonematini** Siddiqi, 1969 *

Subtribe **Chrysonematinii** Siddiqi, 1969 *

Genus *Chrysonema* Thorne, 1929 (10 species)

Subfamily **Crateronematinae** Siddiqi, 1969 (1 genus, 2 species)

Tribe **Crateronematini** Siddiqi, 1969 *

Subtribe **Crateronematinii** Siddiqi, 1969 *

Genus *Crateronema* Siddiqi, 1969 (2 species)

Subfamily **Discolaiminae** Siddiqi, 1969 (8 genera, 108 species)

Tribe **Discolaimini** Siddiqi, 1969 *

Subtribe **Discolaiminii** Siddiqi, 1969 *

Genus *Belaxellus* Thorne, 1974 (1 species)

Genus *Discolaimium* Thorne, 1939 (36 species)

Species *paramonovi* Gagarin & Butorina, 2014

Genus *Discolaimoides* Heyns, 1963 (16 species)

Genus *Discolaimus* Cobb, 1913 (42 species)

Species *anemaqen* Wu, Yan, Xu, Wang, Jin & Xie, 2016

Genus *Filidicolaimus* Siddiqi, 1995 (2 species)

Genus *Latocephalus* Patil & Khan, 1982 (9 species)

Genus *Mylodiscus* Thorne, 1939 (1 species)

Subfamily **Hulqinae** Siddiqi, 1982 (2 genera, 4 species)

Tribe **Hulqini** Siddiqi, 1982 *

Subtribe **Hulqinii** Siddiqi, 1982 *

Genus *Hulqus* Siddiqi, 1981 (3 species)

Genus *Mitoaxonchium* Yeates, 1973 (1 species)

Subfamily **Lordellonematinae** Siddiqi, 1969 (4 genera, 34 species)

Tribe **Lordellonematini** Siddiqi, 1969 *

Subtribe **Lordellonematinii** Siddiqi, 1969 *

Genus *Lordellonema* Andrassy, 1959 (17 species)

Species *brevicaudatum* Siddiqi, 2016

Species *indicum* Imran & Ahmad, 2019

Species *paramacrodarum* Imran & Ahmad, 2019

Species *spicularis* Imran & Ahmad, 2019

Species *rapsoides* (Heyns & Lagerway, 1965) Imran & Ahmad, 2019

syn *Eudorylaimus rapsoides* Heyns & Lagerway, 1965

Genus *Moshajia* Siddiqi, 1982 (4 species)

Genus *Poronemella* Siddiqi, 1969 (6 species)

Species *tenuistylum* Imran & Ahmad, 2017

Genus *Sicorinema* Siddiqi, 1982 (7 species)

Subfamily **Qudsianematinae** Jairajpuri, 1965 (22 genera, 275 species)

Tribe **Qudsianematini** Jairajpuri, 1965 *

Subtribe **Qudsianematinii** Jairajpuri, 1965 *

Genus *Allodorylaimus* Andrassy, 1986 (27 species)

Genus *Amblydorylaimus* Andrassy, 1998 (1 species)

Genus *Baqriella* Ahmad & Jairajpuri, 1989 (3 species)

Genus *Boreolaimus* Andrassy, 1998 (7 species)

Genus *Crassogula* Andrassy, 1991 (1 species)

Genus *Crassolabium* Yeates, 1967 (5 species)⁷⁶

75 Created as a subfamily by Jairajpuri (1965a).

76 Regarded as a synonym of *Eudorylaimus* by Siddiqi (1969), or *Thonus* by Andrassy (1986). Regarded as valid by Andrassy (1976) and

- Species *alexeevi* Tsalolikhin, 2017
 Species *costaricense* Varela-Benavides & Pena-Santiago, 2018
 Genus *Cricodorylaimus* Ahmad & Sturhan, 2001 (1 species)
 Genus *Ecumenicus* Thorne, 1974 (4 species)
 Genus *Epidorylaimus* Andrassy, 1986 (14 species)
 Species *monhystera* Ahmad Imran & Araki, 2016
 Genus *Eudorylaimus* Andrassy, 1959 (107 species)
 Species *kahagensis* Kazemi, Niknam, Jabbari & Pena-Santiago, 2018
 Species *piceae* Wu, Yu, Xu, Wang & Xie, 2018
 Genus *Kallidorylaimus* Andrassy, 1989 (1 species)
 Genus *Kolodorylaimus* Andrassy, 1999 (1 species)
 Genus *Labronema* Thorne, 1939 (54 species)
 Species *duhouxi* (Altherr, 1963) Baqri & Khera, 1975
 syn *pulchrum* Vinciguerra & Zullini, 1982 (Pena-Santiago & Vinciguerra, 2019)
 Species *montanum* Pena-Santiago & Abolafia, 2019
 Genus *Labronemella* Andrassy, 1985 (12 species)
 Species *major* Wu, Yan, Xie, Xu Wang & Jin, 2017
 Species *zullinii* Pena-Santiago, 2019
 Genus *Microdorylaimus* Andrassy, 1986 (17 species)
 Genus *Pachydorylaimus* Siddiqi, 1983 (7 species)
 Genus *Parapalus* Loof & Zullini, 2000 (1 species)
 Genus *Qudsianema* Jairajpuri, 1965 (1 species)
 Genus *Scalpelus* Ahmad, 2004 (1 species)
 Genus *Skibbinema* Van-Reenan & Heyns, 1986 (1 species)
 Genus *Talanema* Andrassy, 1991 (7 species)
 Genus *Torumanawa* Yeates, 1967 (2 species)
 Genus *Tylenchodorus* Siddiqi, 1983 (1 species)
 Subfamily **Thorniinae** De-Coninck, 1965 (6 genera, 25 species)
 Tribe **Thorniini** De-Coninck, 1965 *
 Subtribe **Thorniinii** De-Coninck, 1965 *
 Genus *Loofilaimus* Jarajpuri, Ahmad & Sturhan, 1998 (1 species)
 Genus *Nygolaimoides* Meyl, 1960 (9 species)
 Species *albus* Asl, Niknam, Jabbari & Pena-Santiago, 2016
 Species *zarrinensis* Asl, Niknam, Jabbari & Pena-Santiago, 2016
 Genus *Sphaeroamphis* Ahmad & Sturhan, 2000 (1 species)
 Genus *Thorneella* Andrassy, 1960 (2 species)
 Genus *Thornia* Meyl, 1954 (11 species)
 Genus *Thorniosa* Andrassy, 1996 (1 species)
 Family **Nordiidae** Siddiqi, 1969 (5 subfamilies, 26 genera, 178 species)⁷⁷
 syn Rhyssocolpidae Elshishka, Lazarova, Radoslavov, Hristov & Peneva, 2015
 Subfamily **Actinolaimoidinae** Jairajpuri & Ahmad, 1992 (6 genera, 26 species)
 Tribe **Actinolaimoidini** Jairajpuri & Ahmad, 1992 *
 Subtribe **Actinolaimoidinii** Jairajpuri & Ahmad, 1992 *
 Genus *Actinolaimoides* Meyl, 1957 (8 species)
 Genus *Malekus* Thorne, 1974 (2 species)
 Genus *Oonaguntus* Thorne, 1974 (2 species)
 Genus *Oriverutoides* Ahmad & Sturhan, 2002 (1 species)
 Genus *Oriverutus* Siddiqi, 1971 (8 species)
 syn *Ecanema* Ahmad & Shaheen, 2005 (Pena-Santiago, Liebanas & Ahmad, 2014)
 syn *Inbionema* Loof & Zullini, 2000 (Pena-Santiago, Liebanas & Ahmad, 2014)

Jairajpuri & Ahmad (1992).

⁷⁷ Created as a subfamily by Jairajpuri & AH Siddiqi (1964).

- Species *andrassyi* Pena-Santiago, Liebanas & Ahmad, 2013
 Species *asaccatus* (Dhanachand & Jairajpuri, 1980) Ahmad & Jairajpuri, 1987
 syn *Oriverutus lobatus* apud Baqri, 1980, nec Siddiqi, 1971 (Pena-Santiago, Liebanas & Ahmad, 2013)
 syn *Oriverutus morus* Gambhir, Bina, Anandi & Pramodini, 2008 (Pena-Santiago, Liebanas & Ahmad, 2013)
 Species *belloi* Liebanas, Esquivel & Pena-Santiago, 2011
 Species *biforme* (Loof & Zullini, 2000) Pena-Santiago, Liebanas & Ahmad, 2014
 syn *Inbionema biforme* Loof & Zullini, 2000 (Pena-Santiago, Liebanas & Ahmad, 2014)
 Species *costaricensis* Liebanas & Pena-Santiago, 2011
 Species *hemihystera* Liebanas & Pena-Santiago, 2011
 Species *istvani* Pena-Santiago, Liebanas & Ahmad, 2013
 Species *vanisti* Pena-Santiago, Liebanas & Ahmad, 2013
 Genus *Paroriverutus* Carbonnel & Coomans, 1982 (5 species)
 Species *longicaudatus* (Ahmad and Siddiqi, 1997) Pena-Santiago, Liebanas & Ahmad, 2014
 syn *Oriverutus longicaudatus* Ahmad and Siddiqi, 1997 (Pena-Santiago, Liebanas & Ahmad, 2014)
 Species *macramphidius* (Andrassy, 2002) Pena-Santiago, Liebanas & Ahmad, 2014
 syn *Drepanodorylaimus macramphidius* Andrassy, 2002 (Pena-Santiago, Liebanas & Ahmad, 2014)
- Subfamily **Cephalodorylaiminae** Jairajpuri, 1967 (3 genera, 4 species)
 Tribe **Cephalodorylaimini** Jairajpuri, 1967 *
 Subtribe **Cephalodorylaiminii** Jairajpuri, 1967 *
 Genus *Acephalodorylaimus* Ahmad & Jairajpuri, 1982 (1 species)
 Genus *Cephalodorylaimus* Jairajpuri, 1967 (2 species)
 Genus *Echinodorus* Siddiqi, 1995 (1 species)
- Subfamily **Helmabiinae** Siddiqi, 1971 (2 genera, 7 species)
 Tribe **Helmabiini** Siddiqi, 1971 *
 Subtribe **Helmabiinii** Siddiqi, 1971 *
 Genus *Helmabia* Siddiqi, 1971 (6 species)
 Genus *Nemabia* Siddiqi, 1995 (1 species)
- Subfamily **Nordiinae** Jairajpuri & AH Siddiqi, 1964 (4 genera, 38 species)
 Tribe **Nordiini** Jairajpuri & AH Siddiqi, 1964 *
 Subtribe **Nordiinii** Jairajpuri & AH Siddiqi, 1964 *
 Genus *Acunemella* Andrassy, 2002 (1 species)
 Genus *Dorydorella* Andrassy, 1987 (4 species)
 Genus *Longidorella* Thorne, 1939 (30 species)
 Genus *Thornedia* Husain & Khan, 1965 (3 species)
- Subfamily **Pungentinae** Siddiqi, 1964 (11 genera, 103 species)
 Tribe **Pungentini** Siddiqi, 1964 *
 Subtribe **Pungentinii** Siddiqi, 1964 *
 Genus *Californidorus* Robbins & Weiner, 1978 (4 species)
 Genus *Enchodeloides* Elshishka, Lazarova, Radoslavov, Hristiv & Peneva, 2017 (1 species)
 Species *signeyensis* (Loof, 1975) Elshishka, Lazarova, Radoslavov, Hristiv & Peneva, 2017
 syn *Enchodelus signeyensis* Loof, 1975 (Elshishka, Lazarova, Radoslavov, Hristiv & Peneva, 2017)
 Genus *Enchodelus* Thorne, 1939 (37 species)
 Subgenus *Enchodelus* Thorne, 1939 (15 species)
 Species *makarovae* Elshishka, Lazarova & Peneva, 2012

- Species *minor* Gagarin & Gusakov, 2014
- Subgenus *Nepalus* Ahmad & Jairajpuri, 1980 (2 species)
- Subgenus *Paraenchodelus* Ahmad & Jairajpuri, 1980 (15 species)
- Subgenus *Rotundus* Ahmad & Jairajpuri, 1980 (5 species)
- Genus *Enchodorus* Vinciguerra, 1976 (4 species)
- Species *yeatsi* Pedram, 2017
- Genus *Heterodorus* Altherr, 1952 (Andrassy, 2009) (10 species)
- Species *qinghaiensis* Wu, Yan, Xu, Yu, Wang, Jin & Xie, 2016
- Species *youbertghostai* Pedram, Pourjam, Atighi & Panahandeh, 2016
- Genus *Kochinema* Heyns, 1963 (8 species)
- Genus *Lanzavecchia* Zullini, 1988 (3 species)
- Species *mangrovi* Gagarin, 2014
- Genus *Lenonchium* Siddiqi, 1965 (9 species)
- Species *denticaudatum* Swart & Heyns, 1991
- syn *asterocaudatum* Choi & Jairajpuri, 1998 (Asgari, Eskandari, Karani, Abolafia & Pena-Santiago, 2019)
- Species *zanjanense* Asgari, Eskandari, Karani, Abolafia & Pena-Santiago, 2019
- Genus *Papuatorus* Andrassy, 2009 (3 species)
- Species *coomansi* (Nicholas & Stewart, 1985) Andrassy, 2011
- syn *Enchodelus coomansi* Nicholas & Stewart, 1985 (Andrassy, 2011)
- Genus *Pungentus* Thorne & Swanger, 1936 (22 species)⁷⁸
- Species *azarbaijanensis* Heydari, Garibzadeh, Pourjam & Pedram, 2019
- Genus *Rhysocolpus* Andrassy, 1971 (2 species)⁷⁹
- syn *Pararhysocolpus* Elshishka, Lazarova, Radoslavov, Hristov & Peneva, 2015
- Superfamily **Actinolaimoidea** Thorne, 1939 (Thorne, 1967) (3 families, 7 subfamilies, 23 genera, 170 species)
- Family **Actinolaimidae** Thorne, 1939 (Meyl, 1957) (4 subfamilies, 16 genera, 130 species)⁸⁰
- Subfamily **Actinolaiminae** Thorne, 1939 (1 genus, 10 species)
- Tribe **Actinolaimini** Thorne, 1939 *
- Subtribe **Actinolaiminii** Thorne, 1939 *
- Genus *Actinolaimus* Cobb, 1913 (10 species)
- Subfamily **Brittonematinae** Thorne, 1967 (6 genera, 27 species)⁸¹
- Tribe **Brittonematini** Thorne, 1967 *
- Subtribe **Brittonematinii** Thorne, 1967 *
- Genus Andrassy, 1964 (8 species)
- Genus *Afractinca* Vinciguerra & Clausi, 2000 (5 species)
- Genus *Brasilaimus* Lordello & Zamith, 1957 (7 species)
- Genus *Brittonema* Thorne, 1967 (3 species)
- Genus *Practinocephalus* Andrassy, 1973 (1 species)
- Genus *Parastomachoglossa* Coomans & Loof, 1986 (3 species)

78 Following the revision and synonymies proposed by Alvarez-Ortega & Pena-Santiago (2014). Jairajpuri & Ahmad (1992) recognised 41 species.

79 Following Pena-Santiago *et al.* (2015).

80 Created as a subfamily by Thorne (1939).

81 Brittonematinae Thorne 1967 has been suggested as an inappropriate subfamily name because the genus *Brittonema* Thorne 1967 has been synonymised with 3 different genera: *Brasilaimus* Lordello & Zamith 1957 by several authors (Andrassy 2009, Vinciguerra *et al.* 2000, Zullini & Vinciguerra 2000), and *Actinca* Andrassy 1964 by several other authors (Coomans & Loof 1986, Jairajpuri & Ahmad 1992). Both synonymies were based on the evaluation that the diagnostic feature of a filiform extension of the male tail in *Brittonema* was an anomaly rather than a sound character. If, on the other hand, the character is phylogenetically informative, the genera *Brittonema* and *Practinocephalus* are synonymous because *P. brzeskii* and *P. bizarrus* have similar tails (Vinciguerra & Clausi 2003). Andrassy (2010) suggested the genera should be diagnosed by *Brittonema* having 3 species (*B. sulcatum*, *B. secundum* and *B. brzeskii*) with head not greatly swollen and less than 40 longitudinal cuticular ridges, while *Practinocephalus* contains a single species with greatly swollen head (*P. bizarrus*) and around 100 cuticular ridges). Therefore Brittonematinae is retained.

- Subfamily **Neoactinolaiminae** Thorne, 1967 (4 genera, 48 species)
 Tribe **Neoactinolaimini** Thorne, 1967 *
 Subtribe **Neoactinolaiminii** Thorne, 1967 *
 Genus *Egtitis* Thorne, 1967 (20 species)
 Genus *Metactinolaimus* Meyl, 1957 (2 species)
 Genus *Neoactinolaimus* Thorne, 1967 (25 species)
 Genus *Scleroactinolaimus* Ahmad, Khan & Ahmad, 1992 (1 species)
- Subfamily **Paractinolaiminae** Thorne, 1967 (5 genera, 45 species)
 Tribe **Paractinolaimini** Thorne, 1967 *
 Subtribe **Paractinolaiminii** Thorne, 1967 *
 Genus *Afractinolaimus* Andrassy, 1970 (5 species)
 Genus *Dominicactinolaimus* Jairajpuri & Ahmad, 1992 (1 species)
 Genus *Paractinolaimus* Meyl, 1957 (30 species)
 Species *morus* Morales-Montero & San-Blas, 2014
 Species *persicus* Panahi, Shokoohi, Vinciguerra, Clausi & Mashela, 2019
 Genus *Trachactinolaimus* Andrassy, 1963 (3 species)
 Genus *Westindicus* Thorne, 1967 (6 species)
- Family **Trachypleurosidae** Thorne, 1967 (1 subfamily, 1 genus, 5 species)
 Subfamily **Trachypleurosinae** Thorne, 1967 * (1 genus, 5 species)
 Tribe **Trachypleurosini** Thorne, 1967 *
 Subtribe **Trachypleurosinii** Thorne, 1967 *
 Genus *Trachypleurosum* Andrassy, 1959 (5 species)
- Family **Carcharolaimidae** Thorne, 1967 (2 subfamilies, 6 genera, 35 species)⁸²
 Subfamily **Carcharolaiminae** Thorne, 1967 (5 genera, 30 species)
 Tribe **Carcharolaimini** Thorne, 1967 *
 Subtribe **Carcharolaiminii** Thorne, 1967 *
 Genus *Antholaimus* Cobb, 1913 (8 species)
 Genus *Carcharolaimus* Thorne, 1967 (11 species)
 Genus *Caryboca* Lordello, 1967 (4 species)
 Genus *Mylodiscooides* Lordello, 1963 (1 species)
 Genus *Stopractinca* Khan, Ahmad & Jairajpuri, 1994 (6 species)
- Subfamily **Caribenematinae** Thorne, 1967 (1 genus, 5 species)
 Tribe **Caribenematini** Thorne, 1967 *
 Subtribe **Caribenematinii** Thorne, 1967 *
 Genus *Caribenema* Thorne, 1967 (5 species)
- Superfamily **Longidoroidea** Thorne, 1935 (Khan & Ahmad, 1975) (2 families, 3 subfamilies, 8 genera, 556 species)
- Family **Longidoridae** Thorne, 1935 (Meyl, 1961) (2 subfamilies, 7 genera, 276 species)⁸³
 Subfamily **Longidorinae** Thorne, 1935 (2 genera, 201 species)
 Tribe **Longidorini** Thorne, 1935 *
 Subtribe **Longidorinii** Thorne, 1935 *
 Genus *Longidoroides* Khan, Chawla & Saha, 1978 (18 species)
 Genus *Longidorus* Micoletzky, 1922 (183 species)
 Species *andalusicus* Gutierrez-Gutierrez, Cantalapiedra-Navarrete, Montes-Borrego, Palomares-Rius & Castillo, 2014
 Species *asiaticus* Trisciuzzi, Archidona-Yuste, Troccoli, Fanelli, De-Luca, Vovlas & Castillo, 2015
 Species *species azarbaijanensis* Gharibzadeh Pourjam & Pedram, 2018

82 Placed as a subfamily of Qudsianematidae by Andrassy (1991), but separated as a family in Actinolaimoidea by Jairajpuri & Ahmad (1992). Here placed in Actinolaimoidea because extensive sclerotization, thickening and elaboration of the cheilostome is apomorphic to the superfamily.

83 Subfamily created by Thorne (1935). Molecular analysis by He *et al.* (2005).

- Species *baeticus* Gutierrez-Gutierrez, Cantalapiedra-Navarrete, Montes-Borrego, Palomares-Rius & Castillo, 2014
- Species *behshahrensis* Amrei, Peneva, Rakhshandehroo & Pedram, 2019
- Species *cheni* Barsalote, Hoa, Lazarova, Peneva & Zheng, 2018
- Species *iliturgiensis* Archidona-Yuste, Cantalapiedra-Navarrete, Castillo & Palomares-Rius, 2019
- Species *indalus* Archidona-Yuste, Navas-Cortes, Cantalapiedra-Navarrete, Palomares-Rius & Castillo, 2016a
- Species *iranicus* Sturhan & Barooti, 1983
- Species *juglans* Xu, Guo, Ye, Wang, Zheng & Zhao, 2017
- Species *macrodorus* Archidona-Yuste, Navas-Cortes, Cantalapiedra-Navarrete, Palomares-Rius & Castillo, 2016a
- Species *moesicus* Lamberti, Choleva & Agostinelli, 1983 (Maafi, Subbotin, Sturhan, Barooti & Taheri, 2015)
- Species *oakcrassus* Cai, Archidona-Yuste, Palomares-Rius & Castillo, 2019
- Species *oakgracilis* Cai, Archidona-Yuste, Palomares-Rius & Castillo, 2019
- Species *oleae* Gutierrez-Gutierrez, Cantalapiedra-Navarrete, Montes-Borrego, Palomares-Rius & Castillo, 2014
- Species *onubensis* Archidona-Yuste, Navas-Cortes, Cantalapiedra-Navarrete, Palomares-Rius & Castillo, 2016a
- Species *pacensis* Archidona-Yuste, Cantalapiedra-Navarrete, Castillo & Palomares-Rius, 2019
- Species *perangustus* Roshan-Bakhsh, Pourjam & Pedram, 2016
- Species *persicus* Esmaeili, Heydari, Archidona-Yuste, Castillo & Palomares-Rius 2017
- Species *pinus* Xu, Ye, Wang & Zhao, 2018
- Species *polyae* Lazarova, Elshiska, Radoslavov, Lozanova, Hristov, Mladenov, Zheng, Fanelli, De-Luca & Peneva, 2019
- Species *silvestris* Archidona-Yuste, Navas-Cortes, Cantalapiedra-Navarrete, Palomares-Rius & Castillo, 2016a
- Species *vallensis* Archidona-Yuste, Navas-Cortes, Cantalapiedra-Navarrete, Palomares-Rius & Castillo, 2016a
- Species *wicuolea* Archidona-Yuste, Navas-Cortes, Cantalapiedra-Navarrete, Palomares-Rius & Castillo, 2016a
- Subfamily **Xiphidorinae** Khan Chawla & Saha, 1976 n. rank (5 genera, 75 species)⁸⁴
- Tribe **Xiphidorini** Khan Chawla & Saha, 1976
- Subtribe **Xiphidorinii** Khan Chawla & Saha, 1976 *
- Genus *Australodorus* Coomans, Olmos, Casella & Chaves, 2004 (1 species)
- Genus *Paralongidorus* Siddiqi, Hooper & Kahn, 1963 (34 species)
- Species *francolambertii* Barsi & De-Luca, 2017
- Species *koreana* Mwala, Decraemer, Kim, Ko, Na, Kim & Lee, 2019
- Species *lusitanicus* Gutierrez-Gutierrez, Mota, Castillo, Santos & Palomares-Rius, 2018
- Genus *Paraxiphidorus* Coomans & Chaves, 1995 (3 species)
- Genus *Siddiqia* Khan, Chawla & Saha, 1978 (28 species)
- Genus *Xiphidorus* Montiero, 1976 (9 species)
- Family **Xiphinematidae** Dalmasso, 1969 (Khan & Ahmad, 1975) (1 subfamily, 1 genus, 280 species)
- Subfamily **Xiphinematinae** Dalmasso, 1969 (1 genus, 280 species)
- Tribe **Xiphinematini** Dalmasso, 1969 *
- Subtribe **Xiphinematinii** Dalmasso, 1969 *

84 Proposed as family by Coomans (1985), and as tribe by Khan *et al.* (1976). Composition based on molecular evidence He *et al.* (2005).

Genus *Xiphinema* Cobb, 1913 (280 species)⁸⁵

- Species *afratakhtehnsis* Mirzaie-Fouladvand, Pourjam, Castillo & Pedram, 2019
Species *andalusiense* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016
Species *astaregiense* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016b
Species *azarbaijanense* Afshar, Shahrriyani, Gharibzadeh, Pourjam & Pedram, 2019
Species *barooghii* Vasifeh, Niknam, Jabbari & Naghavi, 2019
Species *browni* Lazarova, Peneva & Kumari, 2016
Species *castilloi* Roshan-Bakhsh, Pourjam, Pedram, Robbins & Decraemer, 2014
Species *celtiense* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016
Species *cretense* Tzortzakakis, Archidona-Yuste, Cantalalpedra-Navarrete, Nasiou, Lazanaki, Kabourakis, Palomares-Rius & Castillo, 2014
Species *hangzhouense* Cai, Maria, Barsalote, Subbotin & Zheng, 2019
Species *herakliense* Tzortzakakis, Archidona-Yuste, Cantalalpedra-Navarrete, Nasiou, Palomares-Rius & Castillo, 2015
Species *iznajareense* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016
Species *japonicum* Zhao, Ye, Maria, Pedram & Gu, 2017
Species *macrodora* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016
Species *mengibareense* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016
Species *oleae* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016
Species *paradentatum* Barsi, Fanelli & De-Luca, 2017
Species *parachambersi* Maria, Ye, Yu & Gu, 2018
Species *parataylori* Lazarova, Oliviera, Prior, Peneva & Kumari, 2019
Species *penevi* Lazarova, Peneva & Kumari, 2016
Species *plesiopachtaicum* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016b
Species *poasense* Varela-Benavides, Peraza-Padilla, Cantalalpedra-Navarrete, Palomares-Rius, Castillo & Archidona-Yuste, 2018
Species *primum* Mobasserri, Hutchinson, Afshar & Pedram, 2019
Species *tica* Peraza-Padilla, Cantalalpedra-Navarrete, Zamora-Araya, Palomares-Rius, Castillo & Archidona-Yuste, 2018
Species *vallense* Archidona-Yuste, Navas-Cortes, Cantalalpedra-Navarrete, Palomares-Rius & Castillo, 2016b

Superfamily **Belondiroidea** Thorne, 1939 (Thorne, 1964) (1 family, 3 subfamilies, 26 genera, 284 species)

Family **Belondiridae** Thorne, 1939 (3 subfamilies, 26 genera, 284 species)

Subfamily **Belondirinae** Thorne, 1939 (17 genera, 160 species)

Tribe **Belondirini** Thorne, 1939 *

Subtribe **Belondirinii** Thorne, 1939 *

Genus *Amphibelondira* Rahman, Jairajpuri, Ahmad & Ahmad, 1987 (5 species)

85 Currently the consensus is that there are species groups within the genus based on diagnostic features of limited systematic value. The species within each species group are mostly agreed because the groups are based in diagnostic features, although as more species are described in this very speciose genus, the distinctions between the groups are blurring. Historically, there have been many subgenera defined on slightly different criteria: 8 were recognized by Cohn & Sher (1972), but these were rejected by Luc & Dalmasso (1975), and 9 were recognized by Roy & Gupta (1974). Many species—over 100—have been described since, and it would be difficult to assign many of the new species to subgenera, so they are not recognized.

- Species *sindhicus* Ashfaque, Nasira & Shahina, 2019
 Species *wasimi* Roy, Gantait & Chatterjee, 2017
 Genus *Anchobelondira* Nair & Coomans, 1971 (1 species)
 Genus *Axonchium* Cobb, 1920 (39 species)
 syn *Axonchium* (*Hypaxonchium*) Coomans & Nair, 1975 (Andrassy, 2009)
 syn *Axonchium* (*Poraxonchium*) Coomans & Nair, 1975 (Andrassy, 2009)
 Species *meghalayense* Naz & Ahmad, 2012
 Species *noreasum* Naz & Ahmad, 2012
 Genus *Axonchoides* Thorne, 1967 (1 species)
 Genus *Belondira* Thorne, 1939 (47 species)
 Species *bagongshanensis* Wu, Huang, Xie, Wang & Xu, 2017
 Species *coomansi* Golhasan, Heydari, Miraeiz, Abolafia & Pena-Santiago, 2018a
 Genus *Belondirella* Thorne, 1964 (2 species)
 Genus *Dactyluraxonchium* Coomans & Nair, 1975 (2 species)
 Genus *Duriella* Dhanam & Jairajpuri, 1999 (1 species)
 Genus *Heynsaxonchium* Coomans & Nair, 1975 (1 species)
 Genus *Immanigula* Andrassy, 1991 (1 species)
 Genus *Laurophragus* Nesterov, 1976 (1 species)
 Genus *Metaxonchium* Coomans & Nair, 1975 (Andrassy, 2009) (39 species)⁸⁶
 syn *Axonchium* (*Discaxonchium*) Coomans & Nair, 1975 (Andrassy, 2009)
 syn *Axonchium* (*Epaxonchium*) Coomans & Nair, 1975 (Andrassy, 2009)
 syn *Axonchium* (*Spiculaxonchium*) Coomans & Nair, 1975 (Andrassy, 2009)
 Species *bonkowskii* Nguyen & Pena-Santiago, 2018
 Species *coxi* (Yeates, 1979) Pena-Santiago, Niknam, Alvarez-Ortega & Jabbari,
 2014
 syn *Axonchium coxi* Yeates, 1979 (Pena-Santiago, Niknam, Alvarez-Ortega &
 Jabbari, 2014)
 Species *japonicum* (Ahmad & Naz, 2010) Pena-Santiago, Niknam, Alvarez-Ortega
 & Jabbari, 2014
 syn *Axonchium japonicum* Ahmad & Naz, 2010
 Species *mizukuboi* (Ahmad & Naz, 2010) Pena-Santiago, Niknam, Alvarez-Ortega
 & Jabbari, 2014
 syn *Axonchium mizukuboi* Ahmad & Naz, 2010
 Species *parvisaccatum* Varela-Benavides & Pena-Santiago, 2018
 Species *persicum* Pena-Santiago, Niknam, Alvarez-Ortega & Jabbari, 2014
 Species *sternospiculum* Varela-Benavides & Pena-Santiago, 2018
 Species *sylvaticum* Nguyen & Pena-Santiago, 2018
 Species *toroense* Varela-Benavides & Pena-Santiago, 2019
 Species *zealandicum* (Naz, Ahmad & Jairajpuri, 2007) Pena-Santiago, Niknam,
 Alvarez-Ortega & Jabbari, 2014
 syn *Axonchium zealandicum* Naz, Ahmad & Jairajpuri, 2007
 Genus *Nimigula* Andrassy, 1985 (1 species)
 Genus *Belondonygolaimellus* nom. nov. pro *Nygolaimellus* Dhanam & Jairajpuri, 1999 nec
 Loos, 1949 (1 species)
 Genus *Paraoxybelondira* Dhanam & Jairajpuri, 1999 (1 species)
 Genus *Phallaxonchium* Jairajpuri & Dhanachand, 1979 (5 species)
 Genus *Syncheilaxonchium* Coomans & Nair, 1975 (Andrassy, 2009) (12 species)⁸⁷
 Subfamily **Dorylaimellinae** Jairajpuri, 1964 (1 genus, 85 species)
 Tribe **Dorylaimellini** Jairajpuri, 1964 *

86 Originally proposed as a subgenus of *Axonchium*, but raised to generic rank by Andrassy (2009).

87 Originally proposed as a subgenus of *Axonchium* by Coomans and Nair (1975) with 7 species, but raised to generic rank by Andrassy (2009) who added another 2, and Naz & Ahmad (2012) transferred another 3, but removed one of Andrassy's changed combinations.

Subtribe **Dorylaimellini** Jairajpuri, 1965 *

Genus *Dorylaimellus* Cobb, 1913 (85 species)⁸⁸

Subgenus *Amazonema* Siddiqi, 1983 (Jairajpuri & Ahmad, 1992) (3 species)⁸⁹

Subgenus *Axodorylaimellus* Jairajpuri & Ahmad, 1980 (10 species)

Species *hanifae* Ahmad & Naz, 2012

Subgenus *Belondorylaimellus* Jairajpuri & Ahmad, 1980 (6 species)

Subgenus *Capitellus* Siddiqi, 1983 (Jairajpuri & Ahmad, 1992) (1 species)⁹⁰

Subgenus *Clavidorylaimellus* Jairajpuri & Ahmad, 1980 (3 species)

Subgenus *Dorylaimellus* Cobb, 1913 (36 species)

Species *parindicus* Ahmad & Naz, 2012

Species *shamimi* Ahmad & Naz, 2012

Subgenus *Elongidorylaimellus* Jairajpuri & Ahmad, 1980 (1 species)

Subgenus *Filidorylaimellus* Jairajpuri & Ahmad, 1980 (7 species)

Species *kasianus* Ahmad & Naz, 2012

Subgenus *Ibadanus* Siddiqi, 1983 (Jairajpuri & Ahmad, 1992) (1 species)⁹¹

Subgenus *Jamilius* Siddiqi, 1983 (Jairajpuri & Ahmad, 1992) (9 species)⁹²

Subgenus *Mesodorylaimellus* Jairajpuri & Ahmad, 1980 (4 species)

Subgenus *Metadorylaimellus* Jairajpuri & Ahmad, 1980 (2 species)

Subgenus *Rashidanema* Siddiqi, 1983 (Jairajpuri & Ahmad, 1992) (1 species)⁹³

Subgenus *Sindellus* Siddiqi, 1983 (Jairajpuri & Ahmad, 1992) (1 species)⁹⁴

Subfamily **Swangerinae** Jairajpuri, 1964 (8 genera, 39 species)

Tribe **Swangerini** Jairajpuri, 1965 *

Subtribe **Swangerinii** Jairajpuri, 1965 *

Genus *Falcihast* Clark, 1964 (4 species)

Genus *Linseyus* Ferris & Ferris, 1973 (4 species)

Genus *Oxybelondira* Ahmad & Jairajpuri, 1979 (4 species)

Genus *Oxydirus* Thorne, 1939 (15 species)

Genus *Paraoxydirus* Jairajpuri & Ahmad, 1979 (6 species)

Genus *Qudsiella* Jairajpuri, 1967 (1 species)

Genus *Roqueus* Thorne, 1964 (3 species)

Genus *Swangeria* Thorne, 1939 (2 species)

Superfamily **Tylencholaimoidea** Filipjev, 1934 (Ahmad & Jairajpuri, 1983) (4 families, 14 subfamilies, 76 genera, 497 species)⁹⁵

Family **Leptonchidae** Thorne, 1935 (6 subfamilies, 31 genera, 219 species)

Subfamily **Athernematinae** Thorne, 1935 (Ahmad & Jairajpuri, 1978) (2 genera, 2 species)⁹⁶

88 A highly heterogeneous genus, with no current classification entirely satisfactory, and the distinct possibility that some of the many proposed subgenera should be afforded generic status. Subgenera are diagnosed by body size, shape of lip region, oesophagus length, vulval shape and orientation, number of genital branches, spicule shape, number and arrangement of ventromedian supplements and gross shape of the tail. Originally, 9 subgenera were proposed (Jairajpuri & Ahmad 1980), 6 of which were subsequently raised to genus with the remaining 3 synonymized and 6 new genera proposed (Siddiqi 1983). Subsequent authors have followed various combinations or subsets of these two schema, and even proposed additional genera (Ahmad & Naz 2012, Andrassy 2009, Jairajpuri & Ahmad 1992, Jordaan & Heyns 1984). A classification including all proposed groups as subgenera is used here on the basis that there are many similarities shared by all subgenera, but also that each subgenus is diagnosable on other, generally reliable characters such as those listed above.

89 Originally created as a genus by Siddiqi (1983).

90 Originally created as a genus by Siddiqi (1983).

91 Originally created as a genus by Siddiqi (1983).

92 Originally created as a genus by Siddiqi (1983).

93 Originally created as a genus by Siddiqi (1983).

94 Originally created as a genus by Siddiqi (1983).

95 Tylencholaiminae Filipjev 1934 has priority over Leptonchidae Thorne 1935 so is the correct name (Siddiqi 1982).

96 Wu *et al.* (2019) rejected Athernematinae and proposed placing the genus *Athernema* and *Agmodorus* (currently Leptonchidae Tylenchla-

- Tribe **Athernematini** Thorne, 1935 *
- Subtribe **Athernematini** Thorne, 1935 *
- Genus *Athernema* Ahmad & Jairajpuri, 1978 (1 species)
- Genus *Paraqudsiella* Siddiqi, 1982 (1 species)⁹⁷
- Subfamily **Belonenchinae** Thorne, 1964 (5 genera, 55 species)
- Tribe **Belonenchini** Thorne, 1964 *
- Subtribe **Belonenchinii** Thorne, 1964 *
- Genus *Basirotyleptus* Jairajpuri, 1964 (44 species)
- Subgenus *Aculonchus* Siddiqi, 1982 (Jairajpuri & Ahmad, 1992) (2 species)⁹⁸
- Subgenus *Basirotyleptus* Jairajpuri, 1964 (30 species)
- Subgenus *Coronatyleptus* Siddiqi, 1982 (Jairajpuri & Ahmad, 1992) (6 species)⁹⁹
- Subgenus *Opisthotyleptus* Jairajpuri & Ahmad, 1992 (3 species)
- Subgenus *Trichonchium* Siddiqi & Khan, 1963 (Jairajpuri & Ahmad, 1992) (3 species)¹⁰⁰
- Genus *Glochidorella* Siddiqi, 1981 (5 species)
- Genus *Punctolepis* Khan, 1987 (1 species)
- Genus *Sclerostylus* Goseco, Ferris & Ferris, 1981 (2 species)
- Genus *Zetalaimus* Siddiqi, 1983 (3 species)
- Subfamily **Encholaiminae** Golden & Murphy, 1967 (1 genus, 2 species)
- Tribe **Encholaimini** Golden & Murphy, 1967 *
- Subtribe **Encholaiminii** Golden & Murphy, 1967 *
- Genus *Encholaimus* Golden & Murphy, 1967 (2 species)
- Subfamily **Leptonchinae** Thorne, 1935 (10 genera, 63 species)
- Tribe **Leptonchini** Thorne, 1935 *
- Subtribe **Leptonchinii** Thorne, 1935 *
- Genus *Apoleptonchus* Siddiqi, 1982 (1 species)
- Genus *Arganema* Siddiqi, 2016 (1 species)
- Species *aridum* Siddiqi, 2016
- Genus *Bertzuckermania* Khera, 1970 (1 species)
- Genus *Funaria* Van-Der-Linde, 1938 (12 species)
- Genus *Incanema* Andrassy, 1997 (1 species)
- Genus *Leptonchus* Cobb, 1920 (12 species)
- Genus *Meylis* Goseco, Ferris & Ferris, 1974 (3 species)
- Genus *Paraleptonchus* Dhanam & Jairajpuri, 1999 (1 species)
- Genus *Proleptonchus* Lordello, 1955 (28 species)
- Species *japonicus* Ahad & Ahmad, 2016
- Species *kazirangus* Ahad & Ahmad, 2016
- Species *prerectus* Ahad & Ahmad, 2016
- Genus *Proleptonchoides* Ferris, Goseco & Kumar, 1979 (3 species)
- Subfamily **Tylencholaimellinae** Jairajpuri, 1964 (10 genera, 81 species)¹⁰¹
- Tribe **Tylencholaimellini** Jairajpuri, 1964 *
- Subtribe **Tylencholaimellinii** Jairajpuri, 1964 *
- Genus *Agmodorus* Thorne, 1964 (5 species)

mellinae) in Mydonomidae on the basis of some genetic and morphological affinities, but based on very incomplete sampling of the respective families and species, so it is not accepted.

97 The genus *Paraqudsiella* is placed in Athernematinae rather than Beloniridae because it has no sheath around the oesophageal expansion, but has an asymmetric stylet and short, non-cylindrical bulb.

98 Originally created as a genus by Siddiqi (1983).

99 Originally created as a genus by Siddiqi (1982).

100 Originally created as a genus by Siddiqi & Khan (1965).

101 Wu *et al.* (2019) proposed placing the genera *Athernema* and *Agmodorus* (currently Leptonchidae Tylencholaimellinae) in Mydonomidae on the basis of some genetic and morphological affinities, but based on very incomplete sampling of the respective families and species, so it is not accepted.

- Genus *Dorella* Jairajpuri, 1964 (4 species)
- Genus *Doryllium* Cobb, 1920 (16 species)¹⁰²
- Species *assymmetricum* Ahmad, Ahad, Islam & Sturhan, 2018
- Species *enigmatum* Ahmad, Ahad, Islam & Sturhan, 2018
- Genus *Gerthus* Goseco, Ferris & Ferris, 1975 (4 species)
- Genus *Goferus* Jairajpuri & Ahmad, 1992 (1 species)
- Genus *Margollus* Pena-Santaigo, Peralta & Siddiqi, 1993 (4 species)
- Species *bokanicus* Pachideh, Niknam, Jabbari & Pena-Santiago, 2015
- Genus *Oostenbrinkella* Jairajpuri, 1965 (3 species)
- Genus *Paratylencholaimus* Wu, Xu, Xie & Wang, 2019 (1 species)
- Species *sanshaensis* Wu, Xu, Xie & Wang, 2019
- Genus *Phellonema* Thorne, 1964 (1 species)
- Genus *Tylencholaimellus* Cobb, 1915 (42 species)
- Subgenus *Coronatylencholaimellus* Thorne, 1939 (9 species)
- Subgenus *Tylencholaimellus* Cobb, 1915 (33 species)
- Species *arabicus* Ahmad & Ahad, 2018
- Species *masakii* Ahmad & Ahad, 2018
- Species *persicus* Adeldoost, Heydari & Pedram, 2015
- Species *zeinabadensis* Vasifehe, Niknam, Jabbari, Naghavi & Pena-Santiago, 2019
- Subfamily **Tyleptinae** Jairajpuri, 1964 (3 genera, 16 species)
- Tribe **Tyleptini** Jairajpuri, 1964 *
- Subtribe **Tyleptinii** Jairajpuri, 1964 *
- Genus *Caveonchus* Siddiqi, 1982 (5 species)
- Species *siddiqii* Ahad & Ahmad, 2017
- Genus *Gymnotyleptus* Ahmad & Jairajpuri, 1982 (2 species)
- Genus *Tyleptus* Thorne, 1939 (9 species)
- Family **Tylencholaimidae** Filipjev, 1934 (Siddiqi, 1969) (4 subfamilies, 27 genera, 150 species)¹⁰³
- Subfamily **Mumtaziinae** Andrassy, 1976 (2 genera, 3 species)
- Tribe **Mumtaziini** Andrassy, 1976 *
- Subtribe **Mumtaziinii** Andrassy, 1976 *
- Genus *Mumtazium* Siddiqi, 1969 (1 species)
- Genus *Promumtazium* Siddiqi, 1982 (2 species)
- Subfamily **Tylencholaiminae** Filipjev, 1934 (17 genera, 116 species)
- Tribe **Tylencholaimini** Filipjev, 1934 *
- Subtribe **Tylencholaiminii** Filipjev, 1934 *
- Genus *Capilonchus* Siddiqi, 1982 (2 species)
- Genus *Chitwoodieloides* Ahmad & Araki, 2003 (3 species)
- Genus *Chitwoodiellus* Jimenez-Guirado & Pena-Santiago, 1992 (5 species)
- Genus *Chitwoodius* Furstenburg & Heys, 1966 (15 species)
- Species *coffae* Ha, Hoang, Nguyen, Trinh, Abolafia & Pena-Santiago, 2019
- Species *Ahmadi* Ha, Hoang, Nguyen, Trinh, Abolafia & Pena-Santiago, 2019
- Genus *Copalonema* Poinar, 2011 (1 species)^{104 105}
- Species *colombiana* Poinar, 2011
- Genus *Calvigula* Siddiqi, 1995 (1 species)
- Genus *Discomyctus* Thorne, 1939 (10 species)
- Genus *Lawtonema* Siddiqi, 1999 (1 species)
- Genus *Meylonema* Andrassy, 1959 (3 species)

102 According to Ahmad *et al.* (2018).

103 Subfamily created by Filipjev (1934).

104 Sub-fossil, Colombian copal.

105 Affinities uncertain according to Poinar (2011). Classified here tentatively on the basis of the apparently short oesophagus, rounded tail, body size, and that a member of the family is known to occur in tree bark.

- Genus *Rostrulium* Siddiqi, 1995 (3 species)
 Species *indicum* Islam, Imran & Ahmad, 2019
- Genus *Sclerolaimus* Jairajpuri & Ahmad, 1992 (1 species)
- Genus *Tantunema* Siddiqi, 1982 (7 species)
 Species *indicum* Ahad & Ahmad, 2016
 Species *pakistanense* (Timm, 1964) Ahad & Ahmad, 2016
 syn *Tylencholaimus pakistanensis* Timm, 1964 (Ahad & Ahmad, 2016)
- Genus *Tsukubanema* Ahmad & Araki, 2002 (1 species)
- Genus *Tylenchodoroides* Gagarin, 2001 (1 species)
- Genus *Tylencholaimus* De-Man, 1876 (58 species)
 Subgenus *Amphitylencholaimus* Jairajpuri & Ahmad, 1992 (8 species)
 Subgenus *Disctylencholaimus* Jairajpuri & Ahmad, 1992 (3 species)
 Subgenus *Leptotylencholaimus* Jairajpuri & Ahmad, 1992 (2 species)
 Subgenus *Opisthotylencholaimus* Jairajpuri & Ahmad, 1992 (3 species)
 Subgenus *Prototylencholaimus* Jairajpuri & Ahmad, 1992 (2 species)
 Subgenus *Pseudotylencholaimus* Jairajpuri & Ahmad, 1992 (2 species)
 Subgenus *Tylencholaimus* De-Man, 1876 (32 species)
 Species *arakii* Ahad & Ahmad, 2016
 Species *discus* Golhasan, Heydari & Pena-Santiago, 2019
 Species *helanensis* Wu, Yu, Xie, Xu, Yu & Wang, 2018
 Species *ladakhiensis* Ahad & Ahmad, 2016
 Species *sumenkovae* Gagarin & Butorina, 2014
 Species *zhongshanensis* Wu, Xu, Xie & Wang, 2019
- Genus *Utahnema* Thorne, 1939 (3 species)
- Genus *Wasimellus* Bloemers & Wanless, 1996 (1 species)
- Subfamily **Vanderlindiinae** Siddiqi, 1969 (4 genera, 6 species)
 Tribe **Vanderlindiini** Siddiqi, 1969 *
 Subtribe **Vanderlindiinii** Siddiqi, 1969 *
 Genus *Curvidorylaimus* Jairajpuri & Goodey, 1983 (1 species)
 Genus *Metadorylaimus* Jairajpuri & Goodey, 1966 (1 species)
 Genus *Neometadorylaimus* Jairajpuri & Ahmad, 1992 (1 species)
 Genus *Vanderlindia* Heyns, 1964 (3 species)
- Subfamily **Xiphinemellinae** Jairajpuri, 1964 (4 genera, 25 species)
 Tribe **Xiphinemellini** Jairajpuri, 1964 *
 Subtribe **Xiphinemellinii** Jairajpuri, 1964 *
 Genus *Kantbhala* Siddiqi, 1982 (5 species)
 Genus *Loncharionema* Goseco, Ferris & Ferris, 1974 (2 species)
 Genus *Xiphinemella* Loos, 1950 (15 species)
 Genus *Zalophidera* Siddiqi, 1982 (3 species)
- Family **Aulolaimoididae** Jairajpuri, 1964 (1 subfamily, 4 genera, 15 species)
 Subfamily **Aulolaimoidinae** Jairajpuri, 1964 * (4 genera, 15 species)
 Tribe **Aulolaimoidini** Jairajpuri, 1964 *
 Subtribe **Aulolaimoidinii** Jairajpuri, 1964 *
 Genus *Adenolaimus* Andrassy, 1973 (6 species)
 Genus *Aulolaimoides* Micoletzky, 1915 (6 species)
 Genus *Cladocephalus* Swart & Heyns, 1991 (1 species)
 Genus *Oostenbrinkia* Ali, Suryawanshi & Ahmad, 1973 (2 species)
- Family **Mydonomidae** Thorne, 1964 (3 subfamilies, 14 genera, 113 species)¹⁰⁶
 Subfamily **Calolaiminae** Thorne, 1964 (Goseco Ferris & Ferris, 1976) (3 genera, 11 species)

106 Wu *et al.* (2019) proposed placing the genera *Athernema* and *Agmodorus* (currently Leptonchidae Tylenchaimellinae) in Mydonomidae on the basis of some genetic and morphological affinities, but based on very incomplete sampling of the respective families and species, so it is not accepted.

- Tribe **Calolaimini** Thorne, 1964 *
- Subtribe **Calolaiminii** Thorne, 1964 *
- Genus *Calolaimus* Timm, 1964 (8 species)
- Genus *Miranema* Thorne, 1939 (2 species)
- Genus *Timmus* Goseco, Ferris & Ferris, 1976 (1 species)
- Subfamily **Mydonominae** Thorne, 1964 (4 genera, 91 species)
- Tribe **Mydonomini** Thorne, 1964 *
- Subtribe **Mydonominii** Thorne, 1967 *
- Genus *Dorylaimoides* Thorne & Swanger, 1936 (80 species)
- Subgenus *Arcidorylaimoides* Jairajpuri & Ahmad, 1992 (4 species)
- Subgenus *Digidorylaimoides* Jairajpuri & Ahmad, 1992 (4 species)
- Subgenus *Dorylaimoides* Thorne & Swanger, 1936 (44 species)
- Species *alborzicus* Pedram, Purjam & Vinciguerra, 2012
- Species *curvicaudatus* Gagarin & Gusakov, 2015
- Species *vietnamicus* Gagarin & Gusakov, 2015
- Species *geraldi* Sen, Chatterjee & Manna, 2014
- Species *shapotouensis* Wu, Xu, Xie & Wang, 2019
- Subgenus *Longidorylaimoides* Jairajpuri & Ahmad, 1992 (10 species)
- Subgenus *Shamimonema* Chawla, Khan & Prasad, 1965 (Jairajpuri & Ahmad, 1992) (6 species)
- Subgenus *Tarjania* Brzeski & Szczygiel, 1961 (Jairajpuri & Ahmad, 1992) (12 species)
- Genus *Morasia* Baqri & Jairajpuri, 1969 (6 species)
- Genus *Mydonomus* Thorne, 1964 (4 species)
- Genus *Scalpenchus* Siddiqi, 1995 (1 species)
- Subfamily **Yunqueinae** n. subfam. (7 genera, 11 species)¹⁰⁷
- Tribe **Yunqueini** n. tribe *
- Subtribe **Yunqueinii** n. subtribe *
- Genus *Bullaenema* Sauer, 1968 (1 species)
- Genus *Durinema* Jairajpuri, 1966 (2 species)
- Genus *Helicobelondira* Yeates, 1973 (1 species)
- Genus *Porternema* Suryawanshi, 1972 (1 species)
- Genus *Oxydiroides* Altherr, 1972 (4 species)
- Genus *Yubeldus* Khan, Azmi & Chawla, 1979 (1 species)
- Genus *Yunqueus* Thorne, 1964 (1 species)
- Suborder **Nygalaimina** Ahmad & Jairajpuri, 1979 (1 superfamily, 4 families, 6 subfamilies, 15 genera, 131 species)¹⁰⁸
- Superfamily **Nygalaimoidea** Thorne, 1935 (De-Coninck, 1965) (4 families, 6 subfamilies, 15 genera, 131 species)
- Family **Nygalaimidae** Thorne, 1935 (Meyl, 1961) (2 subfamilies, 10 genera, 111 species)
- Subfamily **Nygalaiminae** Thorne, 1935 (7 genera, 98 species)
- Tribe **Nygalaimini** Thorne, 1935 *
- Subtribe **Nygalaiminii** Thorne, 1935 *
- Genus *Afronygus* Heyns, 1968 (1 species)
- Genus *Aquatides* Heyns, 1968 (16 species)
- Species *heynsi* Debabrata, 2017
- Genus *Clavicuadooides* Heyns, 1968 (11 species)
- Genus *Laevides* Heyns, 1968 (12 species)

107 Type genus is *Yunqueus* Thorne 1964. Diagnostic feature is a very thin mucular sheath around the oesophageal bulb (thicker in other subfamilies). The family may be paraphyletic, and consists of genera which do not fall into the other subfamilies. Otherwise with the features of the family.

108 Original designation of suborder Nygalaimina was in a conference proceedings (but proceedings available and more than 10 copies printed). First published in peer-reviewed journal by Ahmad & Jairajpuri (1980).

- Genus *Nygolaimus* Cobb, 1913 (38 species)
 Genus *Paranygolaimus* Heyns, 1968 (2 species)
 Genus *Paravulvus* Heyns, 1968 (18 species)
 Subfamily **Solidentinae** Ahmad & Jairajpuri, 1982 (3 genera, 13 species)
 Tribe **Solidentini** Ahmad & Jairajpuri, 1982 *
 Subtribe **Solidentinii** Ahmad & Jairajpuri, 1982 *
 Genus *Clavicauda* Heyns, 1968 (4 species)
 Species *indicus* Keya, Gantait & Rizvi, 2019
 Genus *Feroxides* Heyns, 1968 (1 species)
 Genus *Solididens* Heyns, 1968 (8 species)
 Family **Nygelidae** Andrassy, 1958 (Jairajpuri, 1964) (1 subfamily, 1 genus, 5 species)
 Subfamily **Nygelinae** Andrassy, 1958 (1 genus, 5 species)
 Tribe **Nygelini** Andrassy, 1958 *
 Subtribe **Nygelinii** Andrassy, 1958 *
 Genus *Nygelus* Thorne, 1939 (5 species)
 Family **Aetholaimidae** Jairajpuri, 1965 (Ahmad & Jairajpuri, 1982) (1 subfamily, 1 genus, 5 species)¹⁰⁹
 Subfamily **Aetholaiminae** Jairajpuri, 1965 (1 genus, 5 species)
 Tribe **Aetholaimini** Jairajpuri, 1965 *
 Subtribe **Aetholaiminii** Jairajpuri, 1965 *
 Genus *Aetholaimus* Jairajpuri, 1965 (5 species)
 Family **Nygolaimellidae** Clark, 1961 (Heyns, 1968) (2 subfamilies, 3 genera, 10 species)
 Subfamily **Nygolaimellinae** Clark, 1961 (2 genera, 7 species)
 Tribe **Nygolaimellini** Clark, 1961 *
 Subtribe **Nygolaimellini** Clark, 1961 *
 Genus *Nygolaimellus* Loos, 1949 (6 species)
 Genus *Scapidens* Heyns, 1965 (1 species)
 Subfamily **Nygolaimiinae** Andrassy, 1976 (1 genus, 3 species)
 Tribe **Nygolaimini** Andrassy, 1976 *
 Subtribe **Nygolaiminii** Andrassy, 1976 *
 Genus *Nygolaimium* Thorne, 1930 (3 species)
 Subclass **Bathyodontia** Hodda, 2007 (1 superorder, 3 orders, 4 suborders, 7 superfamilies, 12 families, 25 subfamilies, 174 genera, 1137 species)
 Superorder **Mononchica** Hodda, 2007 (3 orders, 4 suborders, 7 superfamilies, 12 families, 25 subfamilies, 174 genera, 1137 species)
 Order **Bathyodontida** Siddiqi, 1983 (1 suborder, 2 superfamilies, 3 families, 3 subfamilies, 5 genera, 12 species)¹¹⁰
 Suborder **Bathyodontina** Coomans & Loof, 1970 (2 superfamilies, 3 families, 3 subfamilies, 5 genera, 12 species)
 Superfamily **Cryptonchoidea** Chitwood, 1937 (2 families, 2 subfamilies, 2 genera, 7 species)
 Family **Bathyodontidae** Clark, 1961 (1 subfamily, 1 genus, 3 species)
 Subfamily **Bathyodontinae** Clark, 1961 * (1 genus, 3 species)
 Tribe **Bathyodontini** Clark, 1961 *
 Subtribe **Bathyodontinii** Clark, 1961 *
 Genus *Bathyodontus* Fielding, 1950 (3 species)
 Family **Cryptonchidae** Chitwood, 1937 (1 subfamily, 1 genus, 4 species)
 Subfamily **Cryptonchinae** Chitwood, 1937 * (1 genus, 4 species)
 Tribe **Cryptonchini** Chitwood, 1937 *
 Subtribe **Cryptonchinii** Chitwood, 1937 *
 Genus *Cryptonchus* Cobb, 1913 (4 species)
 Superfamily **Mononchuloidea** De-Coninck, 1965 (Coomans & Loof, 1970) (1 family, 1 subfamily, 3 genera, 5 species)

109 Created as a subfamily by Jairajpuri (1965b).

110 Bathyodontida are equal in rank with Mononchida on the morphological grounds of the structure of the head and oesophagus (Coomans & Loof 1970). Molecular evidence also separates Bathyodontida from Mononchida (Holterman *et al.* 2006, Van Megen *et al.* 2009).

- Family **Mononchulidae** De-Coninck, 1965 (Coomans & Loof, 1970) (1 subfamily, 3 genera, 5 species) ¹¹¹
- Subfamily **Mononchulinae** De-Coninck, 1965 (3 genera, 5 species)
- Tribe **Mononchulini** De-Coninck, 1965 *
- Subtribe **Mononchulinii** De-Coninck, 1965 *
- Genus *Mononchulus* Cobb, 1918 (2 species)
- Genus *Oionchus* Cobb, 1913 (2 species)
- Genus *Rahmium* Andrassy, 1973 (1 species)
- Order **Mononchida** Jairajpuri, 1969 (1 suborder, 2 superfamilies, 5 families, 9 subfamilies, 47 genera, 432 species)
- Suborder **Mononchina** Kirjanova & Krall, 1969 (2 superfamilies, 5 families, 9 subfamilies, 47 genera, 432 species)
- Superfamily **Anatonchoidea** Jairajpuri, 1969 (Jairajpuri, 1971) (2 families, 4 subfamilies, 21 genera, 174 species)
- Family **Anatonchidae** Jairajpuri, 1969 (2 subfamilies, 10 genera, 47 species)
- Subfamily **Anatonchinae** Jairajpuri, 1969 (4 genera, 24 species)
- Tribe **Anatonchini** Jairajpuri, 1969 *
- Subtribe **Anatonchinii** Jairajpuri, 1969 *
- Genus *Anatonchus* Cobb, 1916 (13 species)
- Species *siddiqii* Susulovsky & Winiszewska, 2017
- Genus *Micatonchus* Jairajpuri, Tahseen & Choi, 2001 (3 species)
- Genus *Tigronchoides* Ivanova & Dzuraeva, 1971 (9 species)
- Species *andrassyi* Winiszewska, Susulovsky & Kornobis, 2013
- Genus *Truxonchus* Siddiqi, 1984 (8 species)
- Subfamily **Miconchinae** Andrassy, 1976 (6 genera, 23 species)
- Tribe **Miconchini** Andrassy, 1976 *
- Subtribe **Miconchinii** Andrassy, 1976 *
- Genus *Crassibucca* Mulvey & Jensen, 1967 (4 species)
- Genus *Crassonchus* Siddiqi, 2015 (12 species)
- Species *dissimilis* Siddiqi, 2015
- Species *basalis* Siddiqi, 2015
- Species *colombicus* Siddiqi, 2015
- Species *pengius* Siddiqi, 2015
- Species *fijicus* Siddiqi, 2015
- Species *porosus* Siddiqi, 2015
- Genus *Doronchus* Andrassy, 1993 (2 species)
- Genus *Miconchus* Andrassy, 1958 (1 species)
- syn *Comiconchus* Jairajpuri & Khan, 1982 (Siddiqi, Handoo & Chitwood, 2015)
- Species *zduni* (Susulovsky, 2019) n. comb.
- syn *Comiconchus zduni* Susulovsky, 2019
- Genus *Paracrassibucca* Baqri & Jairajpuri, 1974 (1 species)
- Genus *Promiconchus* Jairajpuri & Khan, 1982 (3 species)
- Family **Itonchidae** Jairajpuri, 1969 (2 subfamilies, 11 genera, 127 species)
- Subfamily **Itonchinae** Jairajpuri, 1969 (6 genera, 109 species)
- Tribe **Itonchini** Jairajpuri, 1969 *
- Subtribe **Itonchinii** Jairajpuri, 1969 *
- Genus *Caputonchus* Siddiqi, 1984 (1 species)
- Genus *Itonchus* Cobb, 1916 (89 species)
- Genus *Itonchulus* Andrassy, 1993 (4 species)
- Genus *Jensenonchus* Jairajpuri & Khan, 1982 (6 species)
- Genus *Mulveyellus* Siddiqi, 1984 (5 species)
- Genus *Nullonchus* Siddiqi, 1984 (4 species)
- Subfamily **Hadronchinae** Khan & Jairajpuri, 1980 (5 genera, 18 species)
- Tribe **Hadronchini** Khan & Jairajpuri, 1980 *

111 Subfamily created by De Coninck (1965).

- Subtribe **Hadronchinii** Khan & Jairajpuri, 1980 *
- Genus *Hadronchoides* Jairajpuri & Rahman, 1984 (2 species)
 - Genus *Hadronchulus* Ray & Das, 1983 (3 species)
 - Genus *Hadronchus* Mulvey & Jensen, 1967 (2 species)
 - Genus *Parahadronchus* Mulvey, 1978 (10 species)
 - Genus *Prionchulellus* Mulvey & Jensen, 1967 (1 species)
- Superfamily **Mononchoidea** Filipjev, 1934 (Clark, 1961) (3 families, 5 subfamilies, 26 genera, 258 species)
- Family **Mononchidae** Filipjev, 1934 (Chitwood, 1937) (2 subfamilies, 9 genera, 116 species)
- Subfamily **Mononchinae** Filipjev, 1934 (5 genera, 42 species)
- Tribe **Mononchini** Filipjev, 1934 *
- Subtribe **Mononchinii** Filipjev, 1934 *
- Genus *Mononchus* Bastian, 1865 (33 species)
 - Species *amplus* Gagarin & Naumaova, 2017
 - Species *caudatus* Shah & Hussain, 2016
 - Species *caudatus* Gagarin & Naumaova, 2017 (junior homonym unresolved at time of press)
 - Species *labiatus* Shah & Hussain, 2016
 - Species *prodentatus* Shah & Hussain, 2016
 - Genus *Montonchus* Siddiqi, Handoo & Chitwood, 2015 (1 species)
 - Species *montanus* (Thorne, 1924) Siddiqi, Handoo & Chitwood, 2015
 - syn *Mononchus montanus* Thorne, 1924
 - Genus *Paramononchus* Mulvey, 1978 (6 species)
 - Species *major* Gagarin & Naumova, 2016
 - Species *rarus* Gagarin & Naumova, 2018
 - Genus *Nigronchus* Siddiqi, 1984 (1 species)
 - Genus *Thorneum* Siddiqi, Handoo & Chitwood, 2015 (1 species)
 - Species *amphigonicus* (Thorne, 1924) Siddiqi Handoo & Chitwood, 2015
 - syn *Mononchus amphigonicus* Thorne, 1924
- Subfamily **Prionchulinae** Andrassy, 1976 (4 genera, 74 species)
- Tribe **Prionchulini** Andrassy, 1976 *
- Subtribe **Prionchulinii** Andrassy, 1976 *
- Genus *Clarkus* Jairajpuri, 1970 (12 species)
 - Species *bulyshevae* Shmatko & Tabolin, 2017
 - Genus *Coomansus* Jairajpuri & Khan, 1977 (21 species)
 - Species *prodontus* Shah & Hussain, 2015
 - Genus *Parkellus* Jairajpuri, Tahseen & Choi, 2001 (10 species)
 - Genus *Prionchulus* Cobb, 1916 (31 species)
 - Species *multidentatus* Shah & Hussain, 2015
 - Species *sturhani* Vu, Hallmann & Winiszewska, 2018
- Family **Mylonchulidae** Jairajpuri, 1969 (2 subfamilies, 14 genera, 108 species)
- Subfamily **Mylonchulinae** Jairajpuri, 1969 (9 genera, 90 species)
- Tribe **Mylonchulini** Jairajpuri, 1969 *
- Subtribe **Mylonchulinii** Jairajpuri, 1969 *
- Genus *Brachonchulus* Andrassy, 1958 (1 species)
 - Genus *Crestonchulus* Siddiqi & Jairajpuri, 2002 (1 species)
 - Genus *Margaronchuloides* Ahmad & Jairajpuri, 2010 (1 species)
 - Genus *Margaronchulus* Andrassy, 1972 (1 species)
 - Genus *Megaonchulus* Jairajpuri & Khan, 1982 (1 species)
 - Genus *Mylonchulus* Cobb, 1916 (67 species)
 - Species *labiatus* Shah & Abid, 2015
 - Species *caudatus* Shah & Abid, 2015
 - Genus *Oligonchulus* Andrassy, 1976 (1 species)

- Genus *Paramylonchulus* Siddiqi & Jairajpuri, 2002 (15 species)
 Genus *Polyonchulus* Mulvey & Jensen, 1967 (2 species)
 Subfamily **Sporonchulinae** Jairajpuri, 1969 (5 genera, 18 species)
 Tribe **Sporonchulini** Jairajpuri, 1969 *
 Subtribe **Sporonchulinii** Jairajpuri, 1969 *
 Genus *Actus* Baqri & Jairajpuri, 1974 (6 species)
 Genus *Granonchulus* Andrassy, 1958 (4 species)
 Genus *Judonchulus* Andrassy, 1958 (3 species)
 Genus *Prionchuloides* Mulvey, 1963 (1 species)
 Genus *Sporonchulus* Cobb, 1917 (4 species)
 Family **Cobbonchidae** Jairajpuri, 1969 (1 subfamily, 3 genera, 34 species)
 Subfamily **Cobbonchinae** Jairajpuri, 1969 (3 genera, 34 species)
 Tribe **Cobbonchini** Jairajpuri, 1969 *
 Subtribe **Cobbonchinii** Jairajpuri, 1969 *
 Genus *Cobbonchulus* Andrassy, 2009 (1 species)
 Genus *Cobbonchus* Andrassy, 1958 (32 species)
 Genus *Tricaenonchus* Andrassy, 1996 (1 species)
 Order **Mermithida** Hyman, 1951 (2 suborders, 3 superfamilies, 4 families, 13 subfamilies, 122 genera, 693 species)
 Suborder **Mermithina** Andrassy, 1971 (1 superfamily, 2 families, 11 subfamilies, 118 genera, 654 species)
 Superfamily **Mermithoidea** Braun, 1883 (Wulker, 1927) (2 families, 11 subfamilies, 118 genera, 654 species)
 Family **Mermithidae** Braun, 1883 (10 subfamilies, 103 genera, 631 species)¹¹²
 Subfamily **Amphidomermithinae** Rubtsov, 1978 (2 genera, 2 species)
 Tribe **Amphidomermithini** Rubtsov, 1978 *
 Subtribe **Amphidomermithinii** Rubtsov, 1978 *
 Genus *Amphidomermis* Filipjev, 1934 (1 species)
 Genus *Schmassmannimermis* Rubtsov, 1978 (1 species)
 Subfamily **Amphimermithinae** Rubtsov, 1978 (3 genera, 30 species)
 Tribe **Amphimermithini** Rubtsov, 1978 *
 Subtribe **Amphimermithinii** Rubtsov, 1978 *
 Genus *Amphimermis* Kaburaki & Imamura, 1932 (23 species)
 Genus *Arachnomermis* Rubtsov, 1978 (4 species)
 Genus *Linstowimermis* Rubtsov, 1978 (3 species)
 Subfamily **Eumermithinae** Rubtsov, 1978 (3 genera, 9 species)
 Tribe **Eumermithini** Rubtsov, 1978 *
 Subtribe **Eumermithinii** Rubtsov, 1978 *
 Genus *Bathymermis* Daday, 1911 (5 species)
 Genus *Eumermis* Daday, 1911 (2 species)
 Genus *Lugameremis* Rubtsov, 1978 (2 species)
 Subfamily **Eurymermithinae** Rubtsov, 1978 (2 genera, 9 species)
 Tribe **Eurymermithini** Rubtsov, 1978 *
 Subtribe **Eurymermithinii** Rubtsov, 1978 *
 Genus *Ceratomeremis* Rubtsov, 1978 (1 species)
 Genus *Eurymermis* Mueller, 1931 (8 species)
 Subfamily **Hexamermithinae** Rubtsov, 1978 (2 genera, 37 species)
 Tribe **Hexamermithini** Rubtsov, 1978 *
 Subtribe **Hexamermithinii** Rubtsov, 1978 *
 Genus *Decameremis* Rubtsov, 1978 (1 species)
 Genus *Hexameremis* Steiner, 1924 (36 species)
 Species *bonarerensis* Robredo & Camino, 2019

112 The number of species in this family will vary enormously depending on the concepts of species, and standard of description required (Curran & Hominick 1981). The figure cited here is a maximum (Rubtsov 1978). The actual number of species described may be only one third this estimate, omitting many synonyms or descriptions that are inadequate to ever re-diagnose the species.

Species *popiliae* Mazza Paoli Strangi Torrini Marianelli Peverieri Binazzi Bosio
Sacchi Benvenuti Venanzio Giacometto Roversi & Poinar, 2017

Subfamily **Mermithinae** Braun, 1883 (86 genera, 476 species)

Tribe **Mermithini** Braun, 1883 *

Subtribe **Mermithinii** Braun, 1883 *

Genus *Anomalomermis* Poinar, Walder & Uno, 2015 (4 species)

Species *ephemerophagis* Poinar, Walder & Uno, 2015

Species *aphidophilus* Poinar, 2017

Genus *Melolonthinimermis* Artyukhovskiy, 1963 (5 species)

Genus *Mermis* Dujardin, 1842 (10 species)

Genus *Oesophagomermis* Artyukhovskiy, 1969 (4 species)

Genus *Tunicamermis* Couturier, 1951 (3 species)

Tribe **Hydromermithini** Corti, 1906 n. rank

Subtribe **Hydromermithinii** Corti, 1906 *

Genus *Abathymermis* Rubtsov, 1971 (6 species)

Genus *Agamermis* Cobb, Steiner & Christie, 1923 (6 species)

Genus *Agamomermis* Stiles, 1903 (10 species)

Genus *Allomermis* Steiner, 1924 (3 species)

Genus *Amphibiomermis* Artyukhovskiy, 1969 (6 species)

Genus *Aphanimermis* Rubzov, 1981 (1 species)

Genus *Aquaemermis* Rubtsov, 1973 (3 species)

Genus *Aranimermis* Poinar & Benton, 1986 (3 species)

Genus *Austromermis* Poinar, 1990 (1 species)

Genus *Baikalomermis* Rubtsov, 1976 (1 species)

Genus *Blepharomermis* Poinar, 1990 (1 species)

Genus *Camponotimermis* Pimenova & Muchamedzjanova in Ipatjeva, Pimenova &
Mukhamedzjanova, 1980 (1 species)

Genus *Capitomermis* Rubzov, 1968 (7 species)

Genus *Chrysomelimermis* Rubtsov & Salmanov, 1979 (1 species)

Genus *Cretacimermis* Poinar, Acra & Acra, 1994 (5 species)¹¹³

Species *aphidophilus* Poinar, 2017

Species *chironomae* Poinar, 2011

Genus *Culicimermis* Rubtsov & Isaeva, 1975 (3 species)

Genus *Dentomermis* Rubtsov & Polishchuk, 1975 (1 species)

Genus *Dipteromermis* Rubtsov, 1976 (1 species)

Genus *Discomermis* Coman, 1971 (1 species)

Genus *Ditremamermis* Camino & Poinar, 1989 (2 species)

Genus *Divisispiculimermis* Doucet, 1986 (1 species)

Genus *Diximermis* Nickle, 1972 (1 species)

Genus *Drilomermis* Poinar & Petersen, 1978 (1 species)

Genus *Echinomermella* Chitwood, 1933 (2 species)

Genus *Eomermis* Steiner, 1925 (1 species)

Genus *Gammaromermis* Rubtsov & Bekman, 1979 (3 species)

Genus *Gastromermis* Micoletzky, 1923 (82 species)

Subgenus *Brevimermis* Rubtsov, 1974 (6 species)

Subgenus *Gastromermis* Micoletzky, 1923 (76 species)

Genus *Gordiomermis* Heinze, 1934 (1 species)

Genus *Gubernaculimermis* Ipatyeva & Pimenova, 1985 (1 species)

Genus *Heleidomermis* Rubtsov, 1970 (4 species)

Genus *Heydenius* Taylor, 1935 (26 species)¹¹⁴

113 Fossil, cretaceous amber Myanmar.

114 Fossil, tertiary Baltic and Dominican amber.

Species *cecidomyae* Poinar, 2011
 Species *dipterophilus* Poinar, 2011
 Species *lamprophilus* Poinar, 2011
 Species *neotropicus* Poinar, 2011
 Species *psychodae* Poinar, 2011
 Species *saprophilus* Poinar, 2011
 Species *scatophilus* Poinar, 2011
 Species *sciarophilus* Poinar, 2011
 Species *tabanae* Poinar, 2011
 Genus *Hydromermis* Corti, 1902 (50 species)
 Subgenus *Dispimermis* Rubtsov, 1980 (16 species)
 Subgenus *Hydromermis* Corti, 1902 (34 species)
 Genus *Idioblaptus* Andrassy, 1973 (1 species)
 Genus *Imosmermis* Rubzov, 1981 (1 species)
 Genus *Ipatjevimermis* Mukhamedzyanova, 1980 (1 species)
 Genus *Isomermis* Coman, 1953 (11 species)
 Genus *Isthmusimermis* Gafurov, 1980 (6 species)
 Genus *Lanceimermis* Artyukhovskiy, 1969 (23 species)
 Genus *Linnomermis* Daday, 1911 (28 species)
 Genus *Longimermis* Camino & Stock, 1990 (1 species)
 Genus *Megalomermis* Mueller, 1931 (1 species)
 Genus *Meximermis* Poinar, Lachaud, Castillo & Infante, 2006 (1 species)
 Genus *Nanomermis* Cobb, 1925 (3 species)
 Genus *Neomesomermis* Nickle, 1972 (5 species)
 Genus *Notonectomermis* Rubtsov, 1977 (1 species)
 Genus *Octomermis* Steiner, 1929 (2 species)
 Genus *Octomyomermis* Johnson, 1963 (13 species)
 Genus *Odonatomermis* Rubtsov, 1973 (3 species)
 Genus *Onchiomermis* Rubtsov, 1976 (1 species)
 Genus *Orthomermis* Poinar, 1965 (1 species)
 Genus *Ovomermis* Rubtsov, 1976 (5 species)
 Genus *Pentatomimermis* Rubtsov, 1978 (1 species)
 Genus *Perutilimermis* Nickle, 1972 (1 species)
 Genus *Pheromermis* Poinar, Lane & Thomas, 1976 (10 species)
 Genus *Phreatomermis* Coman, 1953 (1 species)
 Genus *Psamnomermis* Pologenzev, 1941 (12 species)
 Genus *Psyllomermis* Rubtsov, 1981 (2 species)
 Genus *Pulcimermis* Rubtsov, 1981 (1 species)
 Genus *Quadrimermis* Coman, 1961 (3 species)
 Genus *Reesimermis* Tsai & Grundmann, 1969 (2 species)
 Genus *Rhynchomermis* Rubtsov, 1978 (1 species)
 Genus *Romanomermis* Coman, 1961 (17 species)
 Genus *Schuurmanimermis* Rubtsov, 1978 (2 species)
 Genus *Scirtimermis* Kaiser & Klausnitzer, 2001 (1 species)
 Genus *Simulimermis* Gafurov, Bekturganov & Gubaidulin, 1991 (1 species)
 Genus *Skrjabinomermis* Pologenzev, 1952 (4 species)
 Genus *Spiculimermis* Artyukhovskii in Schikhobalova, 1963 (12 species)
 Genus *Steinimermis* Rubtsov, 1978 (1 species)
 Genus *Strelkovimermis* Rubtsov, 1969 (11 species)
 Genus *Teleomermis* Johnson & Bowen, 1990 (2 species)
 Genus *Terromermis* Artyukovsky & Lisikova, 1977 (2 species)
 Genus *Tetradomermis* Rubtsov, 1967 (9 species)

- Genus *Tetramermis* Steiner, 1925 (3 species)
- Genus *Thalassomermis* Tchesunov & Hope, 1997 (1 species)
- Genus *Thaumamermis* Poinar, 1981 (2 species)
- Genus *Thraustomermis* Song & Peng, 1991 (1 species)
- Genus *Tokobaevimermis* Gafurov & An, 1989 (1 species)
- Genus *Torsiomermis* Kaiser & Schwank, 1985 (1 species)
- Genus *Trophomermis* Johnson & Kleve, 1993 (1 species)
- Genus *Utriculimermis* Kaiser & Deixelberger, 2001 (1 species)
- Genus *Welchimermis* Rubtsov, 1978 (1 species)
- Subfamily **Mesomermithinae** Rubtsov, 1978 (1 genus, 45 species)
- Tribe **Mesomermithini** Rubtsov, 1978 *
- Subtribe **Mesomermithinii** Rubtsov, 1978 *
- Genus *Mesomermis* Daday, 1911 (45 species)
- Species *devii* Gorgadze & Barjadze, 2017
- Subfamily **Neomermithinae** Rubtsov, 1978 (1 genus, 2 species)
- Tribe **Neomermithini** Rubtsov, 1978 *
- Subtribe **Neomermithinii** Rubtsov, 1978 *
- Genus *Neomermis* Linstow, 1904 (2 species)
- Subfamily **Paramermithinae** Rubtsov, 1978 (2 genera, 14 species)
- Tribe **Paramermithini** Rubtsov, 1978 *
- Subtribe **Paramermithinii** Rubtsov, 1978 *
- Genus *Neolimnomermis* Rubtsov, 1978 (6 species)
- Genus *Paramermis* Linstow, 1898 (8 species)
- Subfamily **Pseudomermithinae** Rubtsov, 1978 (1 genus, 7 species)
- Tribe **Pseudomermithini** Rubtsov, 1978 *
- Subtribe **Pseudomermithinii** Rubtsov, 1978 *
- Genus *Pseudomermis* De-Man, 1903 (7 species)
- Family **Tetradonematidae** Cobb, 1919 (1 subfamily, 15 genera, 23 species)
- Subfamily **Tetradonematinae** Cobb, 1919 * (15 genera, 23 species)
- Tribe **Tetradonematini** Cobb, 1919 *
- Subtribe **Tetradonematinii** Cobb, 1919 *
- Genus *Aproctonema* Keilin, 1917 (3 species)
- Genus *Bispiculum* Zervos, 1980 (1 species)
- Genus *Bissonema* Rubtsov, 1978 (1 species)
- Genus *Brevinema* Rubtsov, 1978 (1 species)
- Genus *Corethrellonema* Nickle, 1969 (1 species)
- Genus *Crassinema* Rubtsov, 1978 (1 species)
- Genus *Didilia* Tang, Hominick, Killick, Kendrick, Killick, Kendrick & Page, 1993 (1 species)
- Genus *Heterogonema* Van-Waerebeke & Remillet, 1971 (1 species)
- Genus *Mermithonema* Goodey, 1941 (1 species)
- Genus *Myrmeconema* Poinar & Yanoviak, 2008 (3 species)
- Species *antiqua* Poinar, 2011
- Genus *Nematimermis* Tchesunov & Spiridonov, 1993 (1 species)
- Genus *Palaeotetradonema* Poinar, 2011 (4 species)
- Species *phlebotomae* Poinar, 2011
- Species *sciarae* Poinar, 2011
- Genus *Paraproctonema* Rubtsov, 1978 (1 species)
- Genus *Tetradonema* Cobb, 1919 (2 species)
- Genus *Trichonema* Rubtsov, 1978 (1 species)
- Suborder **Aulolaimina** Hodda, 2007 (2 superfamilies, 2 families, 2 subfamilies, 4 genera, 39 species)¹¹⁵

115 Isolaimiidae placed with Mermithida on the basis of the tubules around the head. Isolaimiidae and Aulolaimidae are here placed together on the basis of molecular evidence (Abolafia & Pena-Santiago 2018, Van Megen *et al.* 2009). Morphologically, Aulolaimidae has been

Superfamily **Aulolaimoidea** Jairajpur & Hooper, 1968 (Hodda, 2007) (1 family, 1 subfamily, 3 genera, 28 species) ¹¹⁶

Family **Aulolaimidae** Jairajpur & Hooper, 1968 (Gerlach & Riemann, 1973) (1 subfamily, 3 genera, 28 species) ¹¹⁷

Subfamily **Aulolaiminae** Jairajpur & Hooper, 1968 (3 genera, 28 species)

Tribe **Aulolaimini** Jairajpur & Hooper, 1968 *

Subtribe **Aulolaiminii** Jairajpur & Hooper, 1968 *

Genus *Aulolaimus* De-Man, 1880 (26 species)

Species *agricola* Abolafia & Pena-Santiago, 2018a

Species *cribatus* Abolafia & Pena-Santiago, 2018a

Species *distortus* Abolafia & Pena-Santiago, 2018a

Species *forestalis* Abolafia & Pena-Santiago, 2018a

Species *labiostellatus* Abolafia & Pena-Santiago, 2018a

Species *mubarakvilli* Salma, Nasira, Saima & Shahina, 2017

Species *quercophilus* Abolafia & Pena-Santiago, 2018a

Genus *Mehdilaimus* Prabha, 1974 (1 species)

Genus *Pseudoaulolaimus* Imamura, 1931 (1 species)

Superfamily **Isolaimoidea** Timm, 1969 (1 family, 1 subfamily, 1 genus, 11 species) ¹¹⁸

Family **Isolaimiidae** Timm, 1969 (1 subfamily, 1 genus, 11 species)

Subfamily **Isolaimiinae** Timm, 1969 * (1 genus, 11 species)

Tribe **Isolaimiini** Timm, 1969 *

Subtribe **Isolaimiini** Timm, 1969 *

Genus *Isolaimium* Timm, 1969 (11 species)

Subclass **Trichocephalia** Hodda, 2007 (1 superorder, 4 orders, 4 suborders, 4 superfamilies, 10 families, 12 subfamilies, 56 genera, 654 species)

Superorder **Trichocephalica** Hodda, 2007 (4 orders, 4 suborders, 4 superfamilies, 10 families, 12 subfamilies, 56 genera, 654 species)

Order **Trichocephalida** Spasski, 1954 (1 suborder, 1 superfamily, 5 families, 7 subfamilies, 37 genera, 597 species)

Suborder **Trichinellina** Hodda, 2007 (1 superfamily, 5 families, 7 subfamilies, 37 genera, 597 species)

Superfamily **Trichinelloidea** Ward, 1907 (Hall, 1916) (5 families, 7 subfamilies, 37 genera, 597 species)

Family **Capillariidae** Railliet, 1915 (1 subfamily, 20 genera, 416 species)

Subfamily **Capillariinae** Railliet, 1915 * (20 genera, 416 species)

Tribe **Capillariini** Railliet, 1915 *

Subtribe **Capillariinii** Railliet, 1915 *

Genus *Aonchotheca* Lopez-Neyra, 1947 (60 species)

regarded as a separate family but with no apomorphy to justify any other placements within higher taxonomic ranks (Lorenzen 1981, 1994). Considering all evidence the family has been placed in Plectida Haliplectoidea and Plectia (De Ley & Blaxter 2004, Hodda 2007, respectively). Others considered the evidence inconclusive (Holovachov *et al.* 2007). With strong molecular support for affinities of Isolaimiidae and Aulolaimidae, the similarities in the head structure of Isolaimiidae and Mermithidae have added weight and justify placing Isolaimiidae and Aulolaimidae as a suborder within Mermithida.

116 Aulolaimidae has been placed with either Monhysterida or Plectida (Haliplectoidea) on molecular evidence (De Ley & Blaxter 2004, Holterman *et al.* 2006), was unresolved in later molecular analyses (Van Megen *et al.* 2009), or most closely related to *Cylindrolaimus* (Areolaimina) (Abolafia & Pena-Santiago 2018a). The family was placed within Enoplida (Ironoidea) or Plectida (Leptolaimina) on morphological grounds (Andrassy 1976, Lorenzen 1994). A polychotomy with Monhysterida and Plectida was therefore proposed, with consequent rank as a separate Order within the subclass Plectia (Hodda 2007).

117 Created as a subfamily by Jairajpuri & Hooper (1968).

118 Molecular evidence points to unresolved similarities of Isolaimoidea to Bathyodontia, Dorylaimida and Araeolaimida (De Ley & Blaxter 2004, Meldal *et al.* 2007, Holterman *et al.* 2006). Morphological evidence has been viewed as similarly inconclusive within the same group of phyla (Timm 1961, Theodorides 1965, De Coninck 1965). Isolaimina contains few, poorly-known species. It was regarded as a separate Order (Cobb 1919, Hodda 2007, Timm 1961), based on the apomorphy of 6 tubules around the head. As constituted in the present classification, Aulolaimina and Mermithida can accommodate the family on the basis of similarities in head structure and general body size. However, this placement is provisional and more investigation will be necessary to place the family with any certainty.

- Subgenus *Aonchotheca* Lopez-Neyra, 1947 (56 species)
 Species *pulchra* (Freitas, 1943) Ferreira-Cardia, Lux-Hoppe, Tebaldi, Fornazari
 Menozzi, Langoni, do-Nascimento & Saraiva-Bresciani, 2014
 syn *Pterothomix pulchra* Freitas, 1943 (Ferreira-Cardia, Lux-Hoppe, Tebaldi,
 Fornazari, Menozzi, Langoni, do-Nascimento & Saraiva-
 -Bresciani, 2014)
 Species *yannickchavali* Veciana, Chaisiri, Morand & Ribas, 2016
- Subgenus *Armocapillaria* Gagarin & Nazarova, 1966 (4 species)
- Genus *Baruscapillaria* Moravec, 1982 (36 species)
- Genus *Capillaria* Zeder, 1800 (168 species)
 Subgenus *Capillaria* Zeder, 1800 (157 species)
 Species *appendigera* Moravec & Barton, 2018
- Subgenus *Capillaroides* Moravec, 1987 (1 species)
- Subgenus *Hepatocapillaria* Moravec, 1987 (2 species)
- Subgenus *Neocapillaria* Moravec, 1987 (5 species)
 Species *plectropomi* Moravec & Justine, 2015
- Subgenus *Procapillaria* Moravec, 1987 (3 species)
- Genus *Chondronema* Christie & Chitwood, 1931 (1 species)
- Genus *Crocodylocapillaria* Moravec & Spratt, 1998 (1 species)
- Genus *Eucoleus* Dujardin, 1845 (34 species)
- Genus *Freitascapillaria* Moravec, 1982 (1 species)
- Genus *Gessyella* Freitas, 1959 (1 species)
- Genus *Indocapillaria* De & Maity, 1995 (1 species)
- Genus *Lobocapillaria* Moravec & Beveridge, 2017 (4 species)
 Species *austropacifica* Moravec & Beveridge, 2017
 Species *spyraeni* (Parukhin, 1971) Moravec & Beveridge, 2017
 syn *Capillaria spyraeni* Parukhin, 1971 (Moravec & Beveridge, 2017)
- Genus *Nematoideum* Diesing, 1851 (1 species)
- Genus *Ornithocapillaria* Barus & Sergeeva, 1990 (7 species)
- Genus *Paracapillaria* Mendonca, 1963 (21 species)
 Subgenus *Crossicapillaria* Moravec, 2001 (1 species)
 Subgenus *Ophidiocapillaria* Moravec, 1986 (9 species)
 Subgenus *Paracapillaria* Mendonca, 1963 (11 species)
- Genus *Paracapillaroides* Moravec, Salgado, Maldonado & Caspeta-Mandujano, 1999 (1
 species)
- Genus *Piscicapillaria* Moravec, 1982 (9 species)
 Subgenus *Lomakinela* Moravec, 1987 (1 species)
 Subgenus *Piscicapillaria* Moravec, 1982 (8 species)
 Species *bursata* Moravec & Barton, 2019
- Genus *Pseudocapillaria* Freitas, 1959 (27 species)
 Subgenus *Discocapillaria* De & Maity, 1996 (1 species)
 Subgenus *Ichthyocapillaria* Moravec, 1982 (9 species)
 Subgenus *Pseudocapillaria* Freitas, 1959 (17 species)
- Genus *Pterothominx* Freitas, 1959 (22 species)
 Subgenus *Avesaonchotheca* Barus & Sergejeva, 1990:23 (9 species)
 Subgenus *Pterothominx* Freitas, 1959 (13 species)
- Genus *Schulmanela* Ivaskin, 1964 (1 species)
- Genus *Tridentocapillaria* Barus & Sergeeva, 1990 (5 species)
- Genus Undescribed Moravec & Barton, 2018 (15 species)
 sp. 1 Moravec & Barton, 2018
 sp. 2 Moravec & Barton, 2018
 sp. 3 Moravec & Barton, 2018

- sp. 4 Moravec & Barton, 2018
- Family **Cystoosidae** Skryabin, 1923 (2 subfamilies, 2 genera, 7 species)
- Subfamily **Cystoosinae** Skryabin, 1923 (1 genus, 3 species)
- Tribe **Cystoosini** Skryabin, 1923 *
- Subtribe **Cystoosinii** Skryabin, 1923 *
- Genus *Cystoopsis* Wagner, 1867 (3 species)
- Subfamily **Diocowittinae** Chabaud & Le-Van-Hoa, 1960 (1 genus, 4 species)
- Tribe **Diocowittini** Chabaud & Le-Van-Hoa, 1960 *
- Subtribe **Diocowittinii** Chabaud & Le-Van-Hoa, 1960 *
- Genus *Diocowittus* Chabaud & Le-Van-Hoa, 1960 (4 species)
- Family **Trichinellidae** Ward, 1907 (1 subfamily, 4 genera, 18 species)
- Subfamily **Trichinellinae** Ward, 1907 * (4 genera, 18 species)
- Tribe **Trichinellini** Ward, 1907 *
- Subtribe **Trichinellinii** Ward, 1907 *
- Genus *Brevithominx* Travassos, Teixeira-De-Freitas & Machado-De-Mendonca, 1964 (1 species)
- Genus *Echinocoleus* Lopez-Neyra, 1947 (5 species)
- Genus *Hepatospina* Thieme, 1961 (1 species)
- Genus *Trichinella* Railliet, 1895 (11 species)
- Subgenus *Bessonoviella* Bessonov, 1996 (4 species)
- Subgenus *Trichinella* Railliet, 1895 (7 species)
- Species *patagoniensis* Farina, Pasqualetti, Ilgova, Cardillo, Ercole, Aronowicz, Krivokapich, Kasny & Ribicich, 2017
- Family **Trichosomoididae** Hall, 1916 (York & Maplestone, 1926) (2 subfamilies, 5 genera, 29 species)
- Subfamily **Anatrichosomatinae** Smith & Chitwood, 1954 (1 genus, 5 species)
- Tribe **Anatrichosomatini** Smith & Chitwood, 1954 *
- Subtribe **Anatrichosomatinii** Smith & Chitwood, 1954 *
- Genus *Anatrichosoma* Smith & Chitwood, 1945 (5 species)
- Subfamily **Trichosomoidinae** Hall, 1916 (4 genera, 24 species)
- Tribe **Trichosomoidini** Hall, 1916 *
- Subtribe **Trichosomoidinii** Hall, 1916 *
- Genus *Huffmanella* Moravec, 1987 (17 species)
- Species *hamo* Justine & Iwaki, 2014
- Species *lusitana* Ramos, Carvalho, Rosa, Alexandre-Pires, Seixas, Esteves & Huffman, 2019
- Genus *Paratrichosoma* Ashford & Muller, 1978 (2 species)
- Genus *Trichosomoides* Railliet, 1895 (4 species)
- Genus *Trichuroides* Ricci, 1949 (1 species)
- Family **Trichuridae** Ransom, 1911 (Railliet, 1915) (1 subfamily, 6 genera, 127 species)
- Subfamily **Trichurinae** Ransom, 1911 (6 genera, 127 species)
- Tribe **Trichurini** Ransom, 1911 *
- Subtribe **Trichurinii** Ransom, 1911 *
- Genus *Capillostrongyloides* Freitas & Lent, 1935 (9 species)
- Species *morae* Gonzalez-Solis, Carrasson & Perez-del-Olmo, 2014
- Genus *Orthothominx* Teixeira-De-Freitas & Jorge-Da-Silva, 1960 (1 species)
- Genus *Pearsonema* Teixeira-De-Freitas & Machado-De-Mendonca, 1960 (4 species)
- Genus *Sclerotríchum* Rudolphi, 1819 (1 species)
- Genus *Tenoranema* Mas-Coma & Esteban, 1985 (5 species)
- Genus *Trichuris* Roederer, 1761 (107 species)
- Species *bainae* Del-Rosario-Robles, Cutillas, Javier-Panei & Callejon, 2015
- Species *colobae* Cutillas de-Rojas, Zurita, Oliveros & Callejon, 2014
- Species *cutillasae* Eberhardt, Del-Rosario-Robles, Monje, Beldomenico &

- Callejon, 2019
- Species *duplantieri* Ribas, Diagne, Tatar, Diallo, Poonlaphdech & Brouat, 2017
- Species *mallomyos* Hasegawa & Dewi, 2017
- Species *massoi* Del-Rossario-Robles, Cutillas & Callejon, 2018
- Species *musseri* Hasegawa & Dewi, 2017
- Species *silviae* Panti-May & Robles, 2016
- Species *ursinus* Callejon, Halajian & Cutillas, 2017
- Order **Marimermithida** Rubtzov, 1980 (1 suborder, 1 superfamily, 1 family, 1 subfamily, 5 genera, 6 species)
- Suborder **Marimermithina** Hodda, 2007 (1 superfamily, 1 family, 1 subfamily, 5 genera, 6 species)
- Superfamily **Marimermithoidea** Rubtzov & Platonova, 1974 (Hodda, 2007) (1 family, 1 subfamily, 5 genera, 6 species)
- Family **Marimermithidae** Rubtzov & Platonova, 1974 (1 subfamily, 5 genera, 6 species)
- Subfamily **Marimermithinae** Rubtzov & Platonova, 1974 * (5 genera, 6 species)
- Tribe **Marimermithini** Rubtzov & Platonova, 1974 *
- Subtribe **Marimermithinii** Rubtzov & Platonova, 1974 *
- Genus *Acronema* Rubtsov, 1978 (1 species)
- Genus *Ananus* Rubtsov, 1977 (1 species)
- Genus *Aborjina* Ozdikmen, 2010 nom nov. pro *Australonema* Tshesunov & Spiridonov, 1985 nec *Australonema* Tassel, 1980 (Gastropoda) (1 species)
- Genus *Marimermis* Rubzov & Platonova, 1974 (1 species)
- Genus *Thalassonema* Ward, 1933 (2 species)
- Order **Diectophymatida** Ryzhikov & Sonin, 1981 (1 suborder, 1 superfamily, 2 families, 2 subfamilies, 5 genera, 37 species)
- Suborder **Diectophymatina** Chitwood, 1933 (1 superfamily, 2 families, 2 subfamilies, 5 genera, 37 species)¹¹⁹
- Superfamily **Diectophymatoidea** Railliet, 1915 (Roman, 1965) (2 families, 2 subfamilies, 5 genera, 37 species)
- Family **Diectophymatidae** Railliet, 1915 (1 subfamily, 4 genera, 27 species)
- Subfamily **Diectophymatinae** Railliet, 1915 * (4 genera, 27 species)
- Tribe **Diectophymatini** Railliet, 1915 *
- Subtribe **Diectophymatinii** Railliet, 1915 *
- Genus *Diectophyme* Collet-Meygret, 1802 (1 species)
- Genus *Eustrongylides* Jaegerskiold, 1909 (17 species)
- Genus *Hystrichis* Dujardin, 1845 (7 species)
- Genus *Neostrongyloides* Rathore & Nama, 1988 (2 species)
- Family **Soboliphymatidae** Petrov, 1930 (1 subfamily, 1 genus, 10 species)
- Subfamily **Soboliphymatinae** Petrov, 1930 * (1 genus, 10 species)
- Tribe **Soboliphymatini** Petrov, 1930 *
- Subtribe **Soboliphymatinii** Petrov, 1930 *
- Genus *Soboliphyme* Petrov, 1930 (10 species)
- Order **Muspiceida** Spratt & Nicholas, 2002 (1 suborder, 1 superfamily, 2 families, 2 subfamilies, 9 genera, 14 species)¹²⁰
- Suborder **Muspiceina** Spratt & Nicholas, 2002 (1 superfamily, 2 families, 2 subfamilies, 9 genera, 14 species)
- Superfamily **Muspiceioidea** Brumpt, 1930 (Bain & Chabaud, 1968) (2 families, 2 subfamilies, 9 genera, 14 species)

119 Created as suborder Diectophymata (Chitwood 1933), but this pre-dates adoption of current uniform endings for names of higher ranks. First to use in current form was Clark (1961).

120 Placed in this superorder on morphological evidence (Anderson & Bain 1982, Spratt & Nicholas 2002). Authority often cited as Bain & Chabaud 1959, but such a publication has been unable to be located, and Odile Bain did not join the MHN to work with Alain Chabaud until 1964 (Martin 2012). The earliest verifiable source by these authors on the group (Bain & Chabaud 1968) refers to the group as a Family. The affinities and taxonomic position of the group has long been uncertain (Spratt & Nicholas 2002), but the unique features generating this uncertainty (often through reduction or loss of morphological structures) also mean that a separate order is (at least provisionally) justified (Spratt 2014). The earliest use of the name as an order that was located in an extensive search was Spratt & Nicholas (2002), although a formal description and diagnosis as an order was first published by Spratt (2014).

Family **Muspiceidae** Brumpt, 1930 * (1 subfamily, 5 genera, 8 species) ¹²¹
 Subfamily **Muspiceinae** Brumpt, 1930 (Bain & Chabaud, 1968) * (5 genera, 8 species) ¹²²
 Tribe **Muspiceini** Brumpt, 1930 *
 Subtribe **Muspiceinii** Brumpt, 1930 *
 Genus *Lukonema* Chabaud & Bain, 1974 (1 species)
 Genus *Maseria* Rausch & Rausch, 1983 (1 species)
 Genus *Muspicea* Sambon, 1925 (2 species)
 Genus *Pennisia* Bain & Chabaud, 1979 (1 species)
 Genus *Riouxgolvania* Bain & Chabaud, 1968 (3 species)

Family **Robertdollfusidae** Chabaud & Campana, 1950 (1 subfamily, 4 genera, 6 species)
 Subfamily **Robertdollfusinae** Chabaud & Campana, 1950 * (4 genera, 6 species)

Tribe **Robertdollfusini** Chabaud & Campana, 1950 *
 Subtribe **Robertdollfusinii** Chabaud & Campana, 1950 *
 Genus *Durikainema* Spratt & Speare, 1982 (2 species)
 Genus *Haycocknema* Spratt, Beveridge, Andrews & Dennett, 1999 (1 species)
 Genus *Lappnema* Bain & Nikander, 1983 (1 species)
 Genus *Robertdollfusa* Chabaud & Campana-Rouget, 1950 (2 species)

Class **Chromadorea** Inglis, 1983 (2 subclasses, 5 superorders, 15 orders, 31 suborders, 65 superfamilies, 200 families, 358 subfamilies, 2287 genera, 21317 species) ¹²³

Subclass **Chromadoria** Adamson, 1987 (1 superorder, 4 orders, 4 suborders, 5 superfamilies, 22 families, 36 subfamilies, 230 genera, 2163 species)

Superorder **Chromadorica** Hodda, 2007 (4 orders, 4 suborders, 5 superfamilies, 22 families, 36 subfamilies, 230 genera, 2163 species)

Order **Chromadorida** Chitwood, 1933 (1 suborder, 1 superfamily, 6 families, 12 subfamilies, 85 genera, 780 species)

Suborder **Chromadorina** Filipjev, 1929 (1 superfamily, 6 families, 12 subfamilies, 85 genera, 780 species)

Superfamily **Chromadoroidea** Filipjev, 1917 (De-Coninck & Schuurmans-Stekhoven, 1933) (6 families, 12 subfamilies, 85 genera, 780 species)

Family **Chromadoridae** Filipjev, 1917 (5 subfamilies, 46 genera, 443 species) ¹²⁴

Subfamily **Chromadorinae** Filipjev, 1917 (12 genera, 132 species)

Tribe **Chromadorini** Filipjev, 1917 *

Subtribe **Chromadorinii** Filipjev, 1917 *

Genus *Algoanema* Heyns & Furstenberg, 1987 (1 species) ¹²⁵

Genus *Atrochromadora* Wieser, 1959 (5 species)

Genus *Chromadora* Bastian, 1865 (29 species) ¹²⁶

Genus *Chromadorella* Filipjev, 1918 (14 species) ¹²⁷

Genus *Chromadorina* Filipjev, 1918 (27 species) ¹²⁸

Genus *Macrochromadora* Kreis, 1929 (1 species) ¹²⁹

Genus *Prochromadora* Filipjev, 1922 (10 species) ¹³⁰

121 The authority is often cited as Roman (1965), who fully characterized the family, but the earliest use of the name and diagnosis was by Brumpt (1930).

122 Originally described as a sub-family by Brumpt (1930).

123 Spermatogenesis and development provide evidence for the separation of Chromadorea from Dorylaimea and Enoplea (Yushin & Malakhov 2004, Schierenberg & Lahl 2004).

124 Classification and number of species follows Venekey *et al.* (2019).

125 Genus dubium according to Venekey *et al.* (2019), who did not accept the differentiating feature proposed by Heyns & Furstenberg (1987) of lateral differentiation of the cuticle. As lateral differentiation of cuticle is a commonly used differentiating feature in Chromadoroidea, the genus is regarded as valid herein.

126 Including species inquirenda generally described before 1960.

127 Excluding 2 species inquirenda according to Venekey *et al.* (2019).

128 Excluding 5 species inquirenda according to Venekey *et al.* (2019).

129 Not mentioned by Venekey *et al.* (2019) or other recent revisers, so included until reviewed, but probably a genus dubium.

130 According to Venekey *et al.* (2019).

- Genus *Prochromadorella* Micoletzky, 1924 (33 species) ¹³¹
 Genus *Punctodora* Filipjev, 1930 (5 species) ¹³²
 Genus *Rhabdotoderma* Marion, 1870 (1 species) ¹³³
 Genus *Timmia* Hopper, 1961 (3 species) ¹³⁴
 Genus *Trichromadora* Kreis, 1929 (3 species) ¹³⁵
 Subfamily **Euchromadorinae** Gerlach & Riemann, 1973 (12 genera, 70 species)
 Tribe **Euchromadorini** Gerlach & Riemann, 1973 *
 Subtribe **Euchromadorinii** Gerlach & Riemann, 1973 * ¹³⁶
 Genus *Actinonema* Cobb, 1920a (5 species) ¹³⁷
 syn *Adeuchromadora* Boucher & De Bovee, 1971 (Venekey, Gheller, Kandratavicius,
 Cunha, Vilas-Boas, Fonseca & Maria, 2019)
 Species *dolichurum* Gagarin & Long, 2017
 Species *falciforme* Shi, Yu & Zu, 2018
 Species *longicaudatoides* Gagarin, 2015
 Species *parvum* Gagarin, 2015
 Species *pachydermatum* Cobb, 1920
 syn *megamphida* (Boucher & Bovee, 1971)
 syn *Adeuchromadora megamphida* Bocher & Bovee, 1971
 Genus *Crestanema* Pastor-De-Ward, 1985 (1 species)
 Genus *Endeolophos* Boucher, 1976 (5 species) ¹³⁸
 Genus *Euchromadora* De-Man, 1886 (26 species) ¹³⁹
 Genus *Euchromanema* Kulikov & Dashchenko, 1991 (2 species) ¹⁴⁰
 Genus *Graphonema* Cobb, 1898 (10 species) ¹⁴¹
 Genus *Nygmatonchus* Cobb, 1933 (1 species) ¹⁴²
 Genus *Parapinnanema* Inglis, 1969 (1 species) ¹⁴³
 syn *Austranema* Inglis, 1969 (Warwick & Coles, 1975)
 Species *hawaiiensis* Semprucci & Sorensen, 2014
 Genus *Portmacquaria* Blome, 2005 (1 species)
 Genus *Rhips* Cobb, 1920 (9 species) ¹⁴⁴

131 Excluding 6 species inquirenda according to Venekey *et al.* (2019).

132 According to Venekey *et al.* (2019).

133 Genus dubium

134 According to Venekey *et al.* (2019).

135 According to Venekey *et al.* (2019).

136 *Dicriconema* Steiner & Høepli 1926 has been regarded as genus dubium by the majority of studies over the last 50 years (Inglis 1969, Kulikov & Dashchenko 1991, Wieser 1954) although it has also been considered invalid (Venekey *et al.* 2019) and omitted without comment (Tchesunov 2014) and considered valid without comment (Gerlach & Riemann 1973, Lorenzen 1994). Given the agreed close relationship with the genus *Euchromadora*, and small, inconsistent differences in the cuticle meaning that these genera cannot be unequivocally diagnosed, it is regarded as a synonym of *Euchromadora*.

137 According to Venekey *et al.* (2019), but excluding 1 species inquirendum and 2 species described by Gagarin (2015).

138 According to Venekey *et al.* (2019).

139 Species number according to Venekey *et al.* (2019), but including 4 species incerta sedis and 12 species inquirenda all described before 1959. There are 2 subgenera (the nominotypical one plus *Odontocricus* Steiner 1918), with the single species of the latter mostly considered species dubium (Inglis 1969, Lorenzen 1994, Wieser 1954), but considered valid by others (Cobb 1933 (who considered *Odontocricus* a genus), Coles 1965).

140 Genus dubium according to Venekey *et al.* (2019), but here regarded as valid, differing from *Endeolophos* by the developed posterior pharyngeal bulb (absent in *Endeolophos*; Holovachov *et al.* 2011, Tchesunov 2014 and Venekey *et al.* 2019), and differing from *Actinonema* by the cuticular ornamentation (simple vs complex).

141 According to Venekey *et al.* (2019), but including 1 species inquirendum described in 1954 and excluding 2 nomina nuda.

142 According to Venekey *et al.* (2019).

143 According to Venekey *et al.* (2019).

144 According to Venekey *et al.* (2019), but including 1 species inquirendum described in 1961.

- Genus *Steineridora* Inglis, 1969 (4 species) ¹⁴⁵
- Genus *Trochamus* Boucher & De Bovee, 1971 (5 species) ¹⁴⁶
- Subfamily **Harpagonchinae** Platonova & Potin, 1972 (2 genera, 3 species)
- Tribe **Harpagonchini** Platonova & Potin, 1972 *
- Subtribe **Harpagonchinii** Platonova & Potin, 1972 *
- Genus *Harpagonchoides* Platonova & Potin, 1972 (1 species)
- Genus *Harpagonchus* Platonova & Potin, 1972 (2 species)
- Subfamily **Hypodontolaiminae** De-Coninck, 1965 (16 genera, 169 species)
- Tribe **Hypodontolaimini** De-Coninck, 1965 *
- Subtribe **Hypodontolaiminii** De-Coninck, 1965 *
- Genus *Chromadorissa* Filipjev, 1918 (3 species) ¹⁴⁷
- Genus *Chromadorita* Filipjev, 1922 (38 species) ¹⁴⁸
- Species *fennica* Jensen, 1979
- syn *arctica* Gagarin, 1999 (Tsalolikhin, 2019)
- Species *orientalis* Gagarin & Thanh, 2017
- Species *regabi* Baldrighi, Vanreusel, Zeppilli, Sandulli & Segonzac, 2018
- Genus *Dasyilaimus* Cobb, 1933 (1 species) ¹⁴⁹
- Genus *Deltanema* Kreis, 1929 (1 species) ¹⁵⁰
- Genus *Denticulella* Cobb, 1933 (4 species) ¹⁵¹
- Genus *Dichromadora* Kreis, 1929 (2 species) ¹⁵²
- syn *Protochromadora* Inglis, 1969 (Warwick & Coles, 1975)
- Species *antarcticum* Shimada, Tsujimoto & Watanabe, 2019
- Species *rigida* Nguyen, Nguyen & Gagarin, 2016
- Genus *Hypodontolaimus* De-Man, 1886 (30 species) ¹⁵³
- Species *ventrapophyses* Huang & Gao, 2016
- Genus *Innocuonema* Inglis, 1969 (10 species) ¹⁵⁴
- Genus *Karkinochromadora* Blome, 1982 (1 species) ¹⁵⁵
- Genus *Megadontolaimus* Timm, 1969 (2 species)
- Genus *Neochromadora* Micoletzky, 1924 (32 species) ¹⁵⁶
- Genus *Panduripharynx* Timm, 1961 (3 species)
- Genus *Parachromadorita* Blome, 1974 (1 species)

145 According to Venekey *et al.* (2019), but including 1 species inquirendum described in 1969.

146 According to Venekey *et al.* (2019), but excluding 1 nomen nudum.

147 According to Venekey *et al.* (2019).

148 According to Venekey *et al.* (2019), but including 2 species inquirenda described before 1916 and including 3 nomina nuda, which, according to Venekey *et al.* (2019) are well characterized and divergent from others in the genus, but lack a valid name.

149 Mostly regarded as genus dubium, based on limited specimens and information in the description (Hope & Murphy 1972, Kulikov & Dashchenko 1991, Lorenzen 1994, Venekey *et al.* 2019), but included in the subfamily by Wieser (1954).

150 Mostly regarded as genus dubium, based on limited specimens and information in the description (Smol & Decraemer 2006, Tchesunov 2014, Venekey *et al.* 2019), but recognized as valid by Lorenzen (1994). The genus is close to *Chromadorina* and *Chromadorita* but distinguished from these genera by the well-developed teeth (Kreis 1929).

151 According to Venekey *et al.* (2019).

152 According to Venekey *et al.* (2019), but including 1 species which, according to Venekey *et al.* (2019) is well characterized and divergent from others in the genus, but lacks a valid name, and so is a *nomen nudum*.

153 According to Venekey *et al.* (2019), but including 2 species inquirenda described before 1951, and hence difficult to verify by modern criteria.

154 According to Venekey *et al.* (2019), but including 5 species inquirenda all described by Allgen (1932, 1947), and hence difficult to verify by modern criteria.

155 Regarded as valid by Tchesunov (2014) and Venekey *et al.* (2019).

156 According to Venekey *et al.* (2019), but including 1 species inquirendum described in 1943, and hence difficult to verify by modern criteria.

- Genus *Paradichromadora* Dashchenko, 1991 (1 species) ¹⁵⁷
 Genus *Ptycholaimellus* Cobb, 1920 (26 species) ¹⁵⁸
 Species *longibulbus* Wang, An & Huang, 2015
 Species *pirus* Huang & Gao, 2016
 Genus *Spilophorella* Filipjev, 1918 (14 species) ¹⁵⁹
 Subfamily **Spilipherinae** Filipjev, 1918 (4 genera, 69 species)
 Tribe **Spilipherini** Filipjev, 1918 *
 Subtribe **Spilipherinii** Filipjev, 1918 *
 Genus *Acantholaimus* Allgen, 1951 (57 species) ¹⁶⁰
 Species *formosus* Miljutina, Miljutin & Tchesunov, 2013
 Species *marliae* Manoel, Da-Silva & Esteves, 2017
 Species *skukinae* Miljutina, Miljutin & Tchesunov, 2013
 Genus *Spiliphera* Bastian, 1865 (9 species) ¹⁶¹
 Genus *Trichromadorita* Timm, 1961 (2 species) ¹⁶²
 Genus *Tridentellia* Gerlach & Riemann, 1973 (1 species) ¹⁶³
 Family **Ethmolaimidae** Lorenzen, 1981 (1 subfamily, 4 genera, 27 species)
 Subfamily **Ethmolaiminae** Lorenzen, 1981 * (4 genera, 27 species)
 Tribe **Ethmolaimini** Lorenzen, 1981 *
 Subtribe **Ethmolaiminii** Lorenzen, 1981 *
 Genus *Ethmodora* Khera, 1975 (1 species)
 Genus *Ethmolaimus* De-Man, 1880 (17 species)
 Species *riparius* Gagarin & Naumova, 2016
 Genus *Filitonchoides* Jensen, 1985 (1 species)
 Genus *Paraethmolaimus* Jensen, 1994 (8 species)
 Species *appendixocaudatus* Jensen, 1994
 Species *dahli* (Gerlach, 1953) Jensen, 1994
 Species *minor* Nguyen & Gagarin, 2018
 Family **Nemavermitidae** Poinar, 2011 (1 subfamily, 1 genus, 2 species)
 Subfamily **Nemaverminae** Poinar, 2011 * (1 genus, 2 species)
 Tribe **Nemavermini** Poinar, 2011 * (1 genus)
 Subtribe **Nemaverminii** Poinar, 2011 *
 Genus *Nemavermes* Schram, 1973 (2 species)
 Species *mackeei* Schram, 1973
 Family **Neotonchidae** Lorenzen, 1981 (1 subfamily, 5 genera, 25 species)
 Subfamily **Neotonchinae** Lorenzen, 1981 * (5 genera, 25 species)
 Tribe **Neotonchini** Lorenzen, 1981 *
 Subtribe **Neotonchinii** Lorenzen, 1981 *
 Genus *Comesa* Gerlach, 1956 (11 species)
 Genus *Filitonchus* Platt, 1982 (3 species)

157 Possibly a synonym of *Chromadorita* (Venekey *et al.* 2019), but status remains uncertain.

158 According to Venekey *et al.* (2019).

159 According to Venekey *et al.* (2019), but including 1 nomen nudum described by Wieser (1959), and hence difficult to verify by modern criteria.

160 According to Venekey *et al.* (2019), but including 13 species as nomina nuda which, according to Venekey *et al.* (2019) are well characterized and divergent from others in the genus, but lack valid names because described in theses (Bussau 1993, Soetaert 1989). The nomenclatural availability of the nomina proposed by Bussau (1993) in a thesis have been controversial and not always accepted, but were considered to fulfil all requirements of the ICZN by Holovachov (2020).

161 According to Venekey *et al.* (2019), but including 7 species inquirenda described before 1959, mostly by Allgen (1959), and hence difficult to verify by modern criteria.

162 Considered valid by Lorenzen (1994) but genus dubious by Venekey *et al.* (2019).

163 Considered invalid by Venekey *et al.* (2019), but with affinities to the genus *Acantholaimus* by Gerlach & Riemann (1973) and Lorenzen (1994). Status and affinities unclear because of limitations in specimens and description.

- Genus *Gomphonchus* Platt, 1982 (1 species)
 Genus *Gomphonema* Wieser & Hopper, 1966 (4 species)
 Genus *Neotonchus* Cobb, 1933 (6 species)
- Family **Achromadoridae** Gerlach & Riemann, 1973 (Lorenzen, 1981) (2 subfamilies, 3 genera, 26 species)
 Subfamily **Achromadorinae** Gerlach & Riemann, 1973 (1 genus, 24 species)
 Tribe **Achromadorini** Gerlach & Riemann, 1973 *
 Subtribe **Achromadorinii** Gerlach & Riemann, 1973 *
 Genus *Achromadora* Cobb, 1913 (24 species)
- Subfamily **Kreisonematinae** Khera, 1969 (2 genera, 2 species)
 Tribe **Kreisonematini** Khera, 1969 *
 Subtribe **Kreisonematinii** Khera, 1969 *
 Genus *Kreisonema* Khera, 1969 (1 species)
 Genus *Paradoxolaimus* Kreis, 1924 (1 species)
- Family **Cyatholaimidae** Filipjev, 1918 (De-Coninck & Schuurmans-Stekhoven, 1933) (2 subfamilies, 26 genera, 257 species)
 Subfamily **Cyatholaiminae** Filipjev, 1918 (22 genera, 141 species)
 Tribe **Cyatholaimini** Filipjev, 1918 *
 Subtribe **Cyatholaiminii** Filipjev, 1918 *
 Genus *Biarmifer* Wieser, 1954 (3 species)
 Genus *Boreomicrolaimoides* Allgen, 1954 (1 species)
 Genus *Cyatholaimus* Bastian, 1865 (26 species)
 Genus *Cyathoshiva* Datta, Miljutin, Chakraborty & Mohapatra, 2016 (2 species)
 Species *amaleshi* Datta, Miljutin, Chakraborty & Mohapatra, 2016
 Genus *Dentatonema* Kreis, 1928 (1 species)
 Genus *Dispira* Cobb, 1933 (1 species)
 Genus *Isacanthonchus* Gagarin & Nguyen, 2008 (1 species)
 Genus *Kraspedonema* Gerlach, 1956 (1 species)
 Genus *Longicyatholaimus* Micoletzky, 1924 (16 species)
 Species *orientalis* Gagarin & Thanh, 2015
 Genus *Marylynnia* Hopper, 1977 (21 species)
 Species *puncticaudata* Boufahja & Beyrem, 2014
 Genus *Metacyatholaimus* Schuurmans-Stekhoven, 1942 (9 species)
 Species *delicatus* Leduc & Zhao, 2018
 Genus *Micracanthonchus* Allgen, 1959 (1 species)
 Genus *Nannolaimoides* Ott, 1972 (2 species)
 Genus *Nannolaimus* Cobb, 1920 (3 species)
 Genus *Paracyatholaimoides* Gerlach, 1953 (3 species)
 Genus *Paralongicyatholaimus* Schuurmans-Stekhoven, 1942 (5 species)
 Genus *Paramarylynnia* Huang & Zhang, 2007 (1 species)
 Genus *Phyllolaimus* Murphy, 1963 (2 species)
 Genus *Pomponema* Cobb, 1917 (32 species)
 Species *multisupplementa* Huang & Zhang, 2014
 Species *veronicae* Cidreira, Pinheiro-Junior, Venekey & De-Souza-Alves, 2019
 Genus *Praeacanthonchus* Micoletzky, 1924 (6 species)¹⁶⁴
 Genus *Xenocyatholaimus* Gerlach, 1953 (1 species)
 Genus *Xyzzors* Inglis, 1963 (3 species)
- Subfamily **Paracanthonchiinae** De-Coninck, 1965 (4 genera, 116 species)
 Tribe **Paracanthonchini** De-Coninck, 1965 *
 Subtribe **Paracanthonchinii** De-Coninck, 1965 *

164 Leduc & Zhao (2018) suggest *Praeacanthonchus* may be better placed in Paracanthonchiinae, based on molecular evidence, but the level of support for this conclusion was low and the taxon sampling sparse. This conclusion may have support from cuticular characteristics, but is contrary to the alternative placement of the genus in Cyatholaiminae based on gubernaculum structure.

- Genus *Acanthonchus* Cobb, 1920 (3 species)
 Species *singaporensis* Chen, Nguyen & Smol, 2015
- Genus *Seuratiella* Ditlevsen, 1923 (1 species)
- Genus *Paracanthonchus* Micoletzky, 1923 (80 species)¹⁶⁵
 Species *brevicaudatus* Gagarin & Nguyen, 2016
 Species *mamubiae* Miljutina & Miljutin, 2015
 Species *miltommatus* Leduc & Zhao, 2018
 Species *securus* Nguyen & Gagarin, 2018
- Genus *Paracyatholaimus* Micoletzky, 1922 (32 species)
 Species *qingdaoensis* Huang & Xu, 2013
 Species *huanhaiensis* Huang & Xu, 2013
- Order **Selachinematida** (Hodda, 2007) (1 suborder, 1 superfamily, 5 families, 5 subfamilies, 19 genera, 151 species)
 Suborder **Selachinematina** (Hodda, 2007) (1 superfamily, 5 families, 5 subfamilies, 19 genera, 151 species)
 Superfamily **Selachinematoidea** Cobb, 1915 (Hodda, 2007) (5 families, 5 subfamilies, 19 genera, 151 species)¹⁶⁶
- Family **Paramicrolaimidae** Lorenzen, 1981 (1 subfamily, 1 genus, 9 species)¹⁶⁷
 Subfamily **Paramicrolaiminae** Lorenzen, 1981 * (1 genus, 9 species)
 Tribe **Paramicrolaimini** Lorenzen, 1981 *
 Subtribe **Paramicrolaiminii** Lorenzen, 1981 *
 Genus *Paramicrolaimus* Wieser, 1954 (9 species)
 Species *damodarani* Jacob, Jaleel & Vijayan, 2015
 Species *hohonucola* Leduc, Verdon & Zhao, 2018
- Family **Selachinematidae** Cobb, 1915 (De-Coninck, 1965) (1 subfamily, 8 genera, 43 species)¹⁶⁸
 Subfamily **Selachinematinae** Cobb, 1915 (8 genera, 43 species)
 Tribe **Selachinematini** Cobb, 1915 *
 Subtribe **Selachinematinii** Cobb, 1915 *
 Genus *Cheironchus* Cobb, 1917 (8 species)
 Genus *Demonema* Cobb, 1894 (1 species)
 Genus *Kosswigonema* Gerlach, 1964 (1 species)
 Genus *Pseudocheironchus* Leduc, 2013 (1 species)
 Species *ingluviusus* Leduc, 2013
 Genus *Selachinema* Cobb, 1915 (1 species)
 Genus *Synonchiella* Cobb, 1933 (18 species)
 Species *rotundicauda* Leduc, 2013
 Genus *Synonchium* Cobb, 1920 (8 species)
 Species *caudatubatatum* Shi & Xu, 2018
 Genus *Trogolaimus* Cobb, 1920 (5 species)

165 Following revision by Miljutina & Miljutin (2015).

166 In molecular phylogenies, this group is either not represented (Meldal *et al.* 2007), unresolved (Holterman *et al.* 2006, Van Megen *et al.* 2009) or placed within Chromadorina (De Ley & Blaxter 2004). In morphological phylogenies, the group is either within the Chromadorina (Filipjev 1934, Lorenzen 1994), a sister group to Chromadorina within an expanded Chromadorida (Maggenti 1991), or within the Desmodorida (Chitwood & Chitwood 1950, De Coninck 1965, Gerlach & Riemann 1973, 1974). There are a number of seemingly unique morphological features in the group, such as the structure of the buccal cavity, the staining characteristics of the cuticle, the jointed structure of cephalic setae, and large intestinal cells (Filipjev 1934, Gerlach 1964, Lorenzen 1994). These morphological features, combined with the unresolved position in molecular analyses (Holterman *et al.* 2006, Van Megen *et al.* 2009), imply that the relationships with Chromadorida and Desmodorida must be viewed currently as a polytomy. Hence the group is afforded Order status equivalent to Chromadorida and Desmodorida.

167 A separate, valid family with affinities to Selachinematidae, based on molecular evidence, according to Leduc *et al.* (2018).

168 Although the families Selachinematidae, Richtersiidae, Choniolaimidae and Choanolaimidae have been synonymized (Gerlach 1964, Lorenzen 1981), there remain many significant differences (Gerlach 1964). Given the possible nature of the Selachinematida as a distinct clade, these differences seem to justify regarding the differences as justifying family status. A revision of the entire Selachinematida is needed.

- Family **Richtersiidae** Kreis, 1929 (De-Coninck, 1965) (1 subfamily, 2 genera, 21 species) ¹⁶⁹
 Subfamily **Richtersiinae** Kreis, 1929 (2 genera, 21 species) ¹⁷⁰
 Tribe **Richtersiinini** Kreis, 1929 *
 Subtribe **Richtersiininii** Kreis, 1929 *
 Genus *Pteronium* Cobb, 1933 (1 species) ¹⁷¹
 Genus *Richtersia* Steiner, 1916 (20 species)
- Family **Choniolaimidae** Schuurmans-Stekhoven & Adam, 1931 (De-Coninck & Schuurmans-Stekhoven, 1933) (1 subfamily, 1 genus, 5 species) ¹⁷²
 Subfamily **Choniolaiminae** Schuurmans-Stekhoven & Adam, 1931 (1 genus, 5 species)
 Tribe **Choniolaimini** Schuurmans-Stekhoven & Adam, 1931 *
 Subtribe **Choniolaiminii** Schuurmans-Stekhoven & Adam, 1931 *
 Genus *Choniolaimus* Ditlevsen, 1919 (5 species)
- Family **Choanolaimidae** De-Coninck & Schuurmans-Stekhoven, 1933 (1 subfamily, 7 genera, 73 species) ¹⁷³
 Subfamily **Choanolaiminae** De-Coninck & Schuurmans-Stekhoven, 1933 * (7 genera, 73 species)
 Tribe **Choanolaimini** De-Coninck & Schuurmans-Stekhoven, 1933 *
 Subtribe **Choanolaiminii** De-Coninck & Schuurmans-Stekhoven, 1933 *
 Genus *Bendiella* Leduc, 2013 (6 species)
 Species *longicauda* Leduc & Zhao, 2016
 Species *thalassa* Leduc, 2013
 Species *vivipara* Fu, Boucher & Cai, 2017
 Genus *Choanolaimus* De-Man, 1880 (1 species)
 Genus *Cobbionema* Filipjev, 1922 (5 species)
 Species *trigamma* Leduc, 2013
 Genus *Gammanema* Cobb, 1920 (14 species)
 Species *agglutinans* Leduc, 2013
 Species *magnum* Shi & Xu, 2018
 Genus *Halichoanolaimus* De-Man, 1886 (36 species)
 Species *anisospermus* Leduc & Zhao, 2016
 Species *brandtae* Zograf, Trebukhova & Pavlyuk, 2015
 Species *haurakiensis* Leduc & Zhao, 2016
 Species *stagnalis* Gagarin & Long, 2017
 Genus *Latronema* Wieser, 1954 (10 species)
 Species *whataitai* Leduc & Zhao, 2015
 Genus *Nunema* Cobb, 1933 (1 species) ¹⁷⁴
- Order **Desmodorida** De-Coninck, 1965 (1 suborder, 2 superfamilies, 7 families, 13 subfamilies, 98 genera, 926 species) ¹⁷⁵

169 Although the families Selachinematidae, Richtersiidae, Choniolaimidae and Choanolaimidae have been synonymized (Gerlach 1964, Lorenzen 1981), there remain many significant differences (Gerlach 1964). Given the possible nature of the Selachinematida as a distinct clade, these differences seem to justify regarding the differences as justifying family status. A revision of the entire Selachinematida is needed.

170 Originally named "Richtersiaceae". Placed in Desmodorida by Gerlach & Riemann (1973).

171 Genus and species dubia.

172 Although the families Selachinematidae, Richtersiidae, Choniolaimidae and Choanolaimidae have been synonymized (Gerlach 1964, Lorenzen 1981), there remain many significant differences (Gerlach 1964). Given the possible nature of the Selachinematida as a distinct clade, these differences seem to justify regarding the differences as justifying family status. A revision of the entire Selachinematida is needed.

173 Although the families Selachinematidae, Richtersiidae, Choniolaimidae and Choanolaimidae have been synonymized (Gerlach 1964, Lorenzen 1981), there remain many significant differences (Gerlach 1964). Given the possible nature of the Selachinematida as a distinct clade, these differences seem to justify regarding the differences as justifying family status. A revision of the entire Selachinematida is needed.

174 Genus and species dubia.

175 On all available evidence, regarded as a separate order (DeLey & Blaxter 2004, De Ley *et al.* 2006, Decraemer & Smol 2006, Hodda

- Suborder **Desmodorina** De-Coninck, 1965 (2 superfamilies, 7 families, 13 subfamilies, 98 genera, 926 species)
- Superfamily **Desmodoroidea** Filipjev, 1922 (Chitwood, 1936) (3 families, 9 subfamilies, 76 genera, 707 species)
- Family **Desmodoridae** Filipjev, 1922 (Steiner, 1927) (5 subfamilies, 48 genera, 418 species)¹⁷⁶
- Subfamily **Desmodorinae** Filipjev, 1922 (20 genera, 201 species)
- Tribe **Desmodorini** Filipjev, 1922 *
- Subtribe **Desmodorinii** Filipjev, 1922 *
- Genus *Acanthophryngoides* Chitwood, 1936 (6 species)
- Genus *Acanthopharynx* Marion, 1870 (15 species)
- Species *dormitata* Leduc & Zhao, 2016
- Genus *Adelphos* Ott, 1997 (1 species)
- Genus *Amphispira* Cobb, 1920 (1 species)
- Genus *Bolbonema* Cobb, 1920 (11 species)
- Species *braziliensis* Larrazabal-Filho, Neres & Esteves, 2018
- Species *obesus* Phan, Gagarin, Nguyen, Nguyen & Nguyen, 2017
- Species *papillae* Larrazabal-Filho, Neres & Esteves, 2018
- Species *zildae* Larrazabal-Filho, Neres & Esteves, 2018
- Genus *Cornurella* Da-Silva, Rodrigues-Da-Silva, Esteves & Decraemer, 2018 (1 species)
- Species *fonsecae* Da-Silva, Rodrigues-Da-Silva, Esteves & Decraemer, 2018
- Genus *Croconema* Cobb, 1920 (19 species)¹⁷⁷
- Species *fortis* Larrazabal-Filho, Da-Silva & Esteves, 2015
- Genus *Desmodora* De-Man, 1889 (78 species)
- Species *bilacinia* Leduc & Zhao, 2016
- Species *curvatum* Moura, Da-Silva & Esteves, 2014
- Species *paraconica* Larrazabal-Filho, Da-Silva & Esteves, 2015
- Species *porosum* Moura, Da-Silva & Esteves, 2014
- Species *profundum* Moura, Da-Silva & Esteves, 2014
- Species *veronicae* Moura, Da-Silva & Esteves, 2014
- Genus *Desmodorella* Cobb, 1933 (14 species)¹⁷⁸
- Species *versheldei* Leduc & Zhao, 2016
- Genus *Echinodesmodora* Blome, 1982 (3 species)
- Genus *Metadesmodora* Schuurmans-Stekhoven, 1942 (2 species)
- Genus *Micromicron* Cobb, 1920 (1 species)¹⁷⁹
- Genus *Onepunema* Leduc & Verschelde, 2017 (4 species)
- Species *enigmaticum* Leduc & Verschelde, 2017
- Species *virginiae* Leduc & Verschelde, 2017
- Genus *Paradesmodora* Schuurmans-Stekhoven, 1950 (7 species)
- Genus *Psammonema* Verschelde & Vincx, 1995 (5 species)
- Species *kuriani* Jacob, Anilkumar, Philip & Rayaroth, 2016
- Species *waweri* Muthumbi & Vincx, 2016
- Genus *Pseudochromadora* Daday, 1899 (14 species)¹⁸⁰

2007), although molecular evidence has the group as a subset of Chromadorida (Van Megen *et al.* 2009) or grouped with Desmoscolecida (Litvaitis *et al.* 2000) or split among other groups (Holterman *et al.* 2006). Morphologically, it has been classified as a subset of Chromadorida (Lorenzen 1994), but this is compatible with the current classification if the Chromadorida of Lorenzen (1994) is here equivalent to superorder Chromadorica.

176 Regarded as paraphyletic based on molecular analyses (Meldal *et al.* 2007, van Megen *et al.* 2009, Leduc & Zhao 2016), but holophyletic by Armenteros *et al.* (2014a). All the molecular analyses are based on a relatively few sequences, which do not cover all the proposed clades, however.

177 Originally created as a subgenus of *Desmodora*.

178 Considered a synonym of *Desmodora* by Lorenzen (1976).

179 Considered a valid genus by Gagarin & Thanh (2015).

180 Considered valid genera by Gagarin & Thanh (2015).

- Species *benepapillata* (Timm, 1961) Datta, Ganguly & Chakraborty, 2018
 syn *Metachromadora (Bradylaimoides) benepapillata* Timm, 1961
 Species *rossica* Mordukhovich, Fadeeva, Semenchenko & Zograf
 Genus *Pseudodesmodora* Boucher, 1975 (3 species)
 Genus *Sibayinema* Swart & Heyns, 1991 (1 species)¹⁸¹
 Genus *Spinonema* Larrazabal-Filho, Neres, Da-Silva & Esteves, 2019 (6 species)
 Species *absente* Larrazabal-Filho, Neres, Da-Silva & Esteves, 2019
 Species *cuticulatum* Larrazabal-Filho, Neres, Da-Silva & Esteves, 2019
 Species *spirale* Larrazabal-Filho, Neres, Da-Silva & Esteves, 2019
 Genus *Zalonema* Cobb, 1920 (9 species)
 Species *granda* Fadeeva, Mordukhovich & Zograf, 2016
 Species *kamchatkaensis* Fadeeva, Mordukhovich & Zograf, 2016
 Species *mariae* Larrazabal-Filho, Da-Silva & Esteves, 2015
 Species *vicentei* Larrazabal-Filho, Da-Silva & Esteves, 2015
 Subfamily **Prodesmodorinae** Lorenzen, 1981 (4 genera, 13 species)
 Tribe **Prodesmodorini** Lorenzen, 1981 *
 Subtribe **Prodesmodorinii** Lorenzen, 1981 *
 Genus *Laxonema* Cobb, 1920 (1 species)
 Genus *Parathalassoalaimus* Allgen, 1929 (1 species)
 Genus *Prodesmodora* Micoletzky, 1923 (10 species)¹⁸²
 Genus *Xenonema* Cobb, 1920 (1 species)
 Subfamily **Pseudonchinae** Gerlach & Riemann, 1973 (1 genus, 11 species)
 Tribe **Pseudonchini** Gerlach & Riemann, 1973 *
 Subtribe **Pseudonchinii** Gerlach & Riemann, 1973 *
 Genus *Pseudonchus* Cobb, 1920 (11 species)
 Subfamily **Spiriniinae** Chitwood, 1936 (De Coninck 1965) (16 genera, 144 species)
 Tribe **Spiriniini** Chitwood, 1936 *¹⁸³
 Subtribe **Spiriniinii** Chitwood, 1936 *
 Genus *Alaimonema* Cobb, 1920 (1 species)
 Genus *Bradylaimus* Stekhoven, 1931 (1 species)
 Genus *Chromadoropsis* Filipjev, 1918 (5 species)¹⁸⁴
 Genus *Chromaspirina* Filipjev, 1918 (27 species)
 Genus *Metachromadora* Filipjev, 1918 (39 species)
 Subgenus *Metachromadora* Filipjev, 1918 (38 species)
 Species *orientalis* Gagarin & Nguyen, 2014
 Species *obscura* Nguyen, Gagarin, Phan, Nguyen & Nguyen, 2016
 syn *Metachromadoroides obscura* Nguyen, Gagarin, Phan, Nguyen & Nguyen, 2016
 Species *prepapillata* Maria, Smol & Esteves, 2014
 Species *verae* Maria, Smol & Esteves, 2014
 Subgenus *Neonyx* Cobb, 1933 (Gerlach, 1951) (1 species)
 Genus *Metachromadoroides* Timm, 1961 (De Coninck, 1965) (2 species)
 Genus *Onyx* Cobb, 1891 (13 species)
 Species *rizhaoensis* Huang & Wang, 2015

181 Originally created as a subgenus of *Desmodora*.

182 Only 9 valid species according to Tsalolikhin (2014).

183 Originally established as tribe Spirinacea by Chitwood (1936). Raised to subfamily, family and superfamily rank by De Coninck (1965). Gerlach & Murphy (1965) often incorrectly cited as authors (see Leduc & Vershelde 2015).

184 Originally created as a genus by Filipjev (1918), but reduced to subgenus of *Metachromadora* by Gerlach (1951) and Gerlach & Riemann (1973). Other subgenera were *Bradylaimus*, *Metachromadoroides* and *Neonyx*. Lorenzen (1994) also regarded as a subgenus of *Metachromadora* but with *Metonyx* as an additional subgenus. Considered as valid genera by Armenteros et al. (2014).

- Species *minor* Huang & Wang, 2015
- Genus *Papillonema* Verschelde, Muthumbi & Vincx, 1995 (2 species)
- Genus *Parallelocoilas* Boucher, 1975 (1 species)
- Genus *Perspiria* Wieser & Hopper, 1967 (Vincx & Gourbault, 1969) (12 species)
- Species *boucheri* Sun, Zhai & Huang, 2019
- Genus *Polysigma* Cobb, 1920 (2 species)
- Genus *Pseudometachromadora* Timm, 1952 (2 species)
- Genus *Sigmophoranema* Hope & Murphy, 1972 (4 species)
- Genus *Spirinia* Gerlach, 1963 (20 species)
- Species *antipodea* Leduc & Zhao, 2019
- Species *verecunda* Leduc & Verschelde, 2015
- Genus *Spirodesma* Cavalcanti, Silva & Fonseca-Genevois, 2009 (1 species)
- Genus *Stygodesmodora* Blome, 1982 (12 species)
- Species *confusa* Leduc & Verschelde, 2015
- Species *amphidialis* Larrazabal-Filho, Neres & Esteves, 2017
- Species *paramphidialis* Larrazabal-Filho, Neres & Esteves, 2017
- Species *potiguensis* Larrazabal-Filho, Neres & Esteves, 2017
- Species *robusta* Larrazabal-Filho, Neres & Esteves, 2017
- Subfamily **Stilbonematinae** Cobb, 1936 (7 genera, 49 species)
- Tribe **Stilbonematini** Cobb, 1936 *
- Subtribe **Stilbonematinii** Cobb, 1936 *
- Genus *Catanema* Cobb, 1920 (4 species)
- Genus *Eubostrichus* Greef, 1869 (12 species)
- Species *fertilis* Ott, Leisch & Gruber-Vodicka, 2014
- Species *gerlachi* Ott, Leisch & Gruber-Vodicka, 2014 nom. nov. pro *E. parasitiferus* apud Gerlach, 1963 nec Chitwood, 1936
- Genus *Laxus* Cobb, 1894 (9 species)
- Species *parvum* Armenteros, Ruiz-Abierno & Decraemer, 2014
- Species *skihariiiae* Leduc & Sinniger, 2018
- Genus *Leptonemella* Cobb, 1920 (11 species)
- Species *brevipharynx* Armenteros, Ruiz-Abierno & Decraemer, 2014
- Genus *Robbea* Gerlach, 1956 (9 species)¹⁸⁵
- Species *agricola* Ott, Gruber-Vodicka, Leisch & Zimmermann, 2014
- Species *hypermnestra* Ott, Gruber-Vodicka, Leisch & Zimmermann, 2014
- Species *ruetzleri* Ott, Gruber-Vodicka, Leisch & Zimmermann, 2014
- Genus *Squanema* Gerlach, 1963 (1 species)
- Genus *Stilbonema* Cobb, 1920 (3 species)
- Family **Epsilonematidae** Steiner, 1927 (2 subfamilies, 13 genera, 200 species)
- Subfamily **Epsilonematinae** Steiner, 1927 (10 genera, 192 species)
- Tribe **Epsilonematini** Steiner, 1927 *
- Subtribe **Epsilonematinii** Steiner, 1927 *
- Genus *Akanthepsilonema* Gourbault & Decraemer, 1991 (2 species)
- Genus *Archepsilonema* Steiner, 1927 (8 species)
- Genus *Bathyepsilonema* Steiner, 1927 (26 species)
- Genus *Epsilonema* Steiner, 1927 (115 species)
- Species *rugatum* (Lorenzen, 1973) Leduc & Zhao, 2016
- Genus *Leptepsilonema* Clasing, 1983 (10 species)
- Genus *Metepsilonema* Steiner, 1927 (17 species)
- Genus *Perepsilonema* Lorenzen, 1973 (9 species)
- Genus *Polkepsilonema* Verschelde & Vincx, 1993 (3 species)
- Genus *Pternepsilonema* Verschelde & Vincx, 1993 (1 species)

185 Verified molecularly by Ott *et al.* (2014).

- Genus *Triepsilonema* Decraemer, 1982 (1 species)
- Subfamily **Glochinematinae** Lorenzen, 1974 (3 genera, 8 species)
- Tribe **Glochinematini** Lorenzen, 1974 *
- Subtribe **Glochinematinii** Lorenzen, 1974 *
- Genus *Glochinema* Lorenzen, 1974 (6 species)
- Genus *Keratonema* Gourbault & Decraemer, 1986 (1 species)
- Genus *Metaglochinema* Gourbault & Decraemer, 1986 (1 species)
- Family **Draconematidae** Filipjev, 1918 (Steiner, 1930) (2 subfamilies, 15 genera, 88 species)¹⁸⁶
- Subfamily **Draconematinae** Filipjev, 1918 (5 genera, 55 species)
- Tribe **Draconematini** Filipjev, 1918 *
- Subtribe **Draconematinii** Filipjev, 1918 *
- Genus *Dracograllus* Allen & Noffsinger, 1978 (21 species)
- Species *ngakei* Leduc & Zhao, 2016
- Species *trukensis* Min, Kim, Decraemer & Rho, 2016
- Genus *Draconema* Cobb, 1913 (22 species)
- Genus *Dracotoronema* Allen & Noffsinger, 1978 (1 species)
- Genus *Paradraconema* Allen & Noffsinger, 1978 (8 species)
- Genus *Tenuidraconema* Decraemer, 1989 (3 species)
- Subfamily **Prochaetosomatinae** Lorenzen, 1981 (10 genera, 33 species)¹⁸⁷
- Tribe **Prochaetosomatini** Lorenzen, 1981 *
- Subtribe **Prochaetosomatinii** Lorenzen, 1981 *
- Genus *Apenodraconema* Allen & Noffsinger, 1978 (2 species)
- Genus *Bathychaetosoma* Decraemer, Gourbault & Backeljau, 1997 (1 species)
- Genus *Cephalochaetosoma* Kito, 1983 (1 species)
- Genus *Cygnonema* Allen & Noffsinger, 1978 (1 species)
- Genus *Dinetia* Decraemer & Gourbault, 1997 (2 species)
- Genus *Dracogalerus* Allen & Noffsinger, 1978 (3 species)
- Genus *Dracognomus* Allen & Noffsinger, 1978 (7 species)
- Genus *Draconactus* Allen & Noffsinger, 1978 (2 species)
- Genus *Notochatosoma* Irwin Smith, 1918 (1 species)
- Genus *Prochaetosoma* Micoletzky, 1922 (13 species)
- Species *marisalbi* Fedyaeva, Neretina, Konoalova & Tchesunov, 2016
- Superfamily **Microlaimoidea** De-Coninck & Schuurmans-Stekhoven, 1933 (Lorenzen, 1981) (4 families, 4 subfamilies, 22 genera, 219 species)¹⁸⁸
- Family **Microlaimidae** De-Coninck & Schuurmans-Stekhoven, 1933 (1 subfamily, 14 genera, 130 species)
- Subfamily **Microlaiminae** De-Coninck & Schuurmans-Stekhoven, 1933 * (14 genera, 130 species)
- Tribe **Microlaimini** De-Coninck & Schuurmans-Stekhoven, 1933 *
- Subtribe **Microlaiminii** De-Coninck & Schuurmans-Stekhoven, 1933 *
- Genus *Acanthomicrolaimus* Stewart & Nicholas, 1987 (1 species)
- Genus *Aponema* Jensen, 1978 (9 species)
- Species *pontica* Revkova, 2017
- Species *pseudotorosum* Leduc, Fu & Zhao, 2019
- Genus *Bathynox* Bussau & Vopel, 1999 (1 species)
- Genus *Bolbolaimus* Cobb, 1920 (16 species)
- Species *brevis* Gagarin & Thanh, 2019
- Species *obesus* Phan, Gagarin, Nguyen, Nguyen & Nguyen, 2017

186 Created as subfamily Draconematini by Filipjev (1918).

187 Proposed as family by Allen & Noffsinger (1978) but as subfamily by Lorenzen (1981), a suggestion followed by Decraemer (1989).

188 Considered a separate Order Microlaimida by Leduc *et al.* (2018), based on molecular evidence, but the number and range of taxa for which sequences are available within the proposed Microlaimida and related Desmodorida and Chromadorida are very limited, and so this conclusion requires further confirmation. These authors noted a lack of any morphological synapomorphies between Desmodoroidea and Microlaimoidea.

- Species *parvus* Gagarin & Thanh, 2019
 Species *tongaensis* Leduc, 2016
 Genus *Caligocanna* Bussau & Vopel, 1999 (1 species)
 Genus *Calomicrolaimus* Lorenzen, 1976 (1 species)¹⁸⁹
 Genus *Cinctonema* Cobb, 1920 (3 species)
 Genus *Crassolaimus* Kreis, 1929 (2 species)
 Genus *Ixonema* Lorenzen, 1971 (3 species)
 Genus *Maragnopsia* Leduc, 2016 (1 species)
 Species *hadalis* Leduc, 2016
 Genus *Macrodontium* Armenteros, Vincx & Decraemer, 2010 (1 species)
 Genus *Microlaimus* De-Man, 1880 (86 species)¹⁹⁰
 Species *korari* Leduc, 2016
 Species *paraglobiceps* Revkova, 2017
 Species *validus* Gagarin & Nguyen, 2014
 Genus *Spirobolbolaimus* Soetaert & Vincx, 1988 (4 species)
 Species *undulatus* Shi & Xu, 2017
 Genus *Ungulilaimella* Allgen, 1958 (1 species)
 Family **Molgolaiminae** Jensen, 1978 (1 subfamily, 1 genus, 43 species)¹⁹¹
 Subfamily **Molgolaiminae** Jensen, 1978 (1 genus, 43 species)
 Tribe **Molgolaimini** Jensen, 1978 *
 Subtribe **Molgolaiminii** Jensen, 1978 *
 Genus *Molgolaimus* Ditlevsen, 1921 (43 species)¹⁹²
 Species *kaikouraensis* Leduc, Fu & Zhao, 2019
 Species *pecticauda* (Murphy, 1966) Shi & Xu, 2017
 syn *Microlaimus pecticauda* Murphy, 1966 (Shi & Xu, 2017)
 Species *spirifer* (Warwick, 1970) Shi & Xu, 2017
 syn *Microlaimus spirifer* Warwick, 1970 (Shi & Xu, 2017)
 Family **Aponchiidae** Gerlach, 1963 (1 subfamily, 2 genera, 12 species)
 Subfamily **Aponchiinae** Gerlach, 1963 * (2 genera, 12 species)
 Tribe **Aponchiini** Gerlach, 1963 *
 Subtribe **Aponchiinii** Gerlach, 1963 *
 Genus *Aponchium* Cobb, 1920 (2 species)
 Genus *Synonema* Cobb, 1920 (10 species)
 Family **Monoposthiidae** De-Coninck, 1965 (1 subfamily, 5 genera, 34 species)
 Subfamily **Monoposthiinae** De-Coninck, 1965 * (5 genera, 34 species)
 Tribe **Monoposthiini** De-Coninck, 1965 *
 Subtribe **Monoposthiinii** De-Coninck, 1965 *
 Genus *Fusonema* Kreis, 1928 (1 species)¹⁹³

189 Synonymized with the genus *Microlaimus* by Kovalyev & Tchesunov (2005), but considered valid in the latest revision (Tchesunov 2014).

190 Species according to Leduc (2016).

191 Molgolaimidae is a separate, valid family, based on molecular evidence, according to Leduc *et al.* (2018).

192 Placed in Desmodoridae by Lorenzen on the basis of reflexed ovaries and testis, but in Microlaimidae by Platt & Warwick (1988) because of great overall similarity to Microlaimidae in all other characters. Note that Lorenzen transferred some species without reflexed ovaries and testis back to Microlaimidae to make the genus monophyletic. I have agreed with Platt & Warwick (1988). Leduc & Zhao (2016) on the basis of molecular evidence from a single species regard it as having close affinities with Microlaimidae. Sequences from a species found and described subsequently confirmed the affinities with Microlaimidae (Leduc *et al.* 2018), but because consistent morphological differences remain, a separate family within Microlaimoidea is justified.

193 First classified in Chromadoridae (Kreis 1929), but later moved to Monoposthiidae on the basis of cuticular pattern (Hope & Murphy 1972). Lorenzen (1994) evaluated cuticular ornamentation as not very useful as a differential character for genera and hence returned the genus to Family Chromadoridae. Decraemer & Smol (2006) evaluated the taxonomic position of the genus as unclear because the definition is based on a poor description of a single species, and Tchesunov (2014) omitted the genus from his review without any comment. Venekey *et*

- Genus *Monoposthia* De-Man, 1889 (14 species)
 Genus *Monoposthioides* Hopper, 1963 (2 species)
 Genus *Nudora* Cobb, 1920 (15 species)
 Genus *Rhinema* Cobb, 1920 (2 species)
- Order **Desmoscolecida** Filipjev, 1929 (1 suborder, 1 superfamily, 4 families, 6 subfamilies, 28 genera, 306 species)¹⁹⁴
 Suborder **Desmoscolecina** De-Coninck, 1965 (1 superfamily, 4 families, 6 subfamilies, 28 genera, 306 species)¹⁹⁵
 Superfamily **Desmoscolecoidae** Shipley, 1896 (Chitwood, 1937) (4 families, 6 subfamilies, 28 genera, 306 species)
- Family **Cyartonematidae** Tchesunov, 1990 (1 subfamily, 1 genus, 9 species)
 Subfamily **Cyartonematinae** Tchesunov, 1990 * (1 genus, 9 species)
 Tribe **Cyartonematini** Tchesunov, 1990 Shipley, 1896 *
 Subtribe **Cyartonematini** Tchesunov, 1990 *
 Genus *Cyartonema* Tchesunov, 1989 (9 species)¹⁹⁶
 Species *minor* Nguyen & Gagarin, 2016
- Family **Desmoscolecidae** Shipley, 1896 (2 subfamilies, 11 genera, 138 species)
 Subfamily **Desmoscolecinae** Shipley, 1896 (5 genera, 118 species)
 Tribe **Desmoscolecini** Shipley, 1896 *
 Subtribe **Desmoscolecini** Shipley, 1896 *
 Genus *Desmolorenzenia* Freudenhammer, 1975 (13 species)
 Genus *Desmoscolex* Claparede, 1863 (99 species)
 Genus *Pareudesmoscolex* Weischer, 1962 (3 species)
 Genus *Protricomoides* Timm, 1970 (2 species)
 Genus *Spinodesmoscolex* Decraemer, 1983 (1 species)
- Subfamily **Greeffiellinae** Filipjev, 1929 (6 genera, 20 species)
 Tribe **Greeffiellini** Filipjev, 1929 *
 Subtribe **Greeffiellini** Filipjev, 1929 *
 Genus *Calligyus* Lorenzen, 1969 (2 species)
 Genus *Captivonema* Manun, Bose, Sayer & Bostrom, 1994 (2 species)^{197 198}
 Species *cretacea* Manun, Bose, Sayer & Bostrom, 1994
 Genus *Greeffiella* Cobb, 1922 (11 species)
 Genus *Greeffiellopsis* Schraege & Gerlach, 1975 (1 species)
 Genus *Hapalomus* Lorenzen, 1969 (2 species)
 Genus *Progreeffiella* Timm, 1970 (2 species)
- Family **Eophasmidae** Poinar, 2011 (1 subfamily, 1 genus, 2 species)
 Subfamily **Eophasminae** Poinar, 2011 * (1 genus, 2 species)
 Tribe **Eophasmini** Poinar, 2011 * (1 genus)
 Subtribe **Eophasminii** Poinar, 2011 *
 Genus *Eophasma* Arduini, Pinna & Teruzzi, 1983 (2 species)
 Species *jurasicum* Arduini, Pinna & Teruzzi, 1983
- Family **Meyliidae** De-Coninck, 1965 (2 subfamilies, 15 genera, 157 species)
 Subfamily **Meyliinae** De-Coninck, 1965 (4 genera, 10 species)
 Tribe **Meyliini** De-Coninck, 1965 *

al. (2019) accepted the conclusions of Hope & Murphy (1972) and considered the genus as part of Monoposthiidae.

194 Originally named order Desmoscolecata (Filipjev 1929) prior to adoption of current system of uniform endings of higher-ranked taxon names. First used in current form by De Coninck (1965).

195 Originally named suborder Desmoscoleata (Chitwood 1933) prior to adoption of current system of uniform endings of higher-ranked taxon names. First used in current form by De Coninck (1965).

196 Includes 4 species from the synonymised genus *Southernia* Allgen 1929

197 Fossil, cretaceous, Norway.

198 Classified in a separate family Captivonematidae by Poinar (2011), on the basis of available characters being inadequate to place in either family Greeffiellinae or Epsilonematoda. The size, shape, coarseness of annulation and pattern of body hairs are sufficient to place it within Meyliidae.

- Subtribe **Meyliinii** De-Coninck, 1965 *
- Genus *Boucherius* Decraemer & Jensen, 1982 (1 species)
 - Genus *Gerlachius* Andrassy, 1976 (2 species)
 - Genus *Meylia* Gerlach, 1956 (5 species)
 - Genus *Noffsingeria* Decraemer & Jensen, 1982 (2 species)
- Subfamily **Tricominae** Lorenzen, 1969 (11 genera, 147 species)
- Tribe **Tricomini** Lorenzen, 1969 *
- Subtribe **Tricomini** Lorenzen, 1969 *
- Genus *Antarcticonema* Timm, 1978 (3 species)
 - Genus *Desmotimmia* Freudenhammer, 1975 (1 species)
 - Genus *Desmotricoma* Decraemer, 1984 (1 species)
 - Genus *Haptotricoma* Lorenzen, 1977 (3 species)
 - Genus *Paratricoma* Gerlach, 1964 (4 species)
 - Genus *Prototricoma* Timm, 1970 (3 species)
 - Genus *Protricoma* Timm, 1970 (4 species)
 - Genus *Quadricoma* Filipjev, 1922 (32 species)
 - Genus *Quadricomoides* Decraemer, 1976 (5 species)
 - Genus *Tricoma* Cobb, 1894 (90 species)
 - Genus *Usarpnema* Timm, 1978 (1 species)
- Subclass **Plectia** Hodda, 2007 (4 superorders, 11 orders, 27 suborders, 60 superfamilies, 178 families, 323 subfamilies, 2057 genera, 19154 species)¹⁹⁹
- Superorder **Monhysterica** Hodda, 2007 (1 order, 3 suborders, 4 superfamilies, 11 families, 21 subfamilies, 171 genera, 1841 species)
- Order **Monhysterida** Filipjev, 1929 (3 suborders, 4 superfamilies, 11 families, 21 subfamilies, 171 genera, 1841 species)²⁰⁰
- Suborder **Monhysterina** De-Coninck & Schuurmans-Stekhoven, 1933 (2 superfamilies, 3 families, 6 subfamilies, 78 genera, 955 species)
- Superfamily **Monhysteroidea** De-Man, 1876 (De-Coninck, 1965) (1 family, 1 subfamily, 19 genera, 305 species)
- Family **Monhysteridae** De-Man, 1876 (1 subfamily, 19 genera, 305 species)
- Subfamily **Monhysterinae** De-Man, 1876 * (19 genera, 305 species)
- Tribe **Monhysterini** De-Man, 1876 *
- Subtribe **Monhysterinii** De-Man, 1876 *
- Genus *Cryonema* Tchesunov & Riemann, 1995 (2 species)
 - Genus *Diplolaimella* Allgen, 1929 (11 species)
 - Genus *Diplolaimelloides* Meyl, 1954 (11 species)
 - Species *rushikondai* Sufyan, Mahamood, Singh & Ahmad, 2014
 - Genus *Eumonhystera* Andrassy, 1981 (36 species)
 - Species *arenosa* Gagarin & Naumova, 2018
 - Genus *Gammarinema* Kinne & Gerlach, 1953 (8 species)
 - Genus *Geomonhystera* Andrassy, 1981 (39 species)
 - Species *chiauxingoensis* Cid-del-Prado-Vera, Ferris & Subbotin, 2018
 - Species *galindoi* Cid-del-Prado-Vera, Ferris & Subbotin, 2018
 - Species *ecuatoriana* Cid-del-Prado-Vera, Ferris & Subbotin, 2018
 - Species *longispiculata* Cid-del-Prado-Vera, Ferris & Subbotin, 2018
 - Species *mexiquense* Cid-del-Prado-Vera, Ferris & Subbotin, 2018
 - Species *michoacana* Cid-del-Prado-Vera, Ferris & Subbotin, 2018
 - Genus *Halomonhystera* Andrassy, 2006 (36 species)
 - Species *bathislandica* (Riemann, 1995) Tchesunov, Portnova & van-Campenhout,

199 Plectia are separated from Chromadoria on the basis of spermatogenesis (Yushin & Malakhov 2004).

200 Filipjev (1929) used the name Monhysterata as an order, but this pre-dates the adoption of uniform endings for the names of higher taxa, so is credited as the authority here. De Coninck (1965) was the first to propose the name at order level in its current form.

2015

- syn *Thalassomonhystera bathislandica* Riemann, 1995 (Tchesunov, Portnova & van-Campenhout, 2015)
Species *fisheri* (Zekely Sorensen & Bright, 2006) Tchesunov, Portnova & van-Campenhout, 2015
syn *Thalassomonhystera fisheri* Zekely Sorensen & Bright, 2006 (Tchesunov, Portnova & van-Campenhout, 2015)
Species *hermesi* Tchesunov, Portnova & van-Campenhout, 2015
Species *islandica* (De-Coninck, 1943) Tchesunov, Portnova & van-Campenhout, 2015
syn *Thalassomonhystera islandica* De-Coninck, 1943 (Tchesunov, Portnova & van-Campenhout, 2015)
Species *paradisjuncta* (De-Coninck, 1943) Tchesunov, Portnova & van-Campenhout, 2015
syn *Thalassomonhystera paradisjuncta* De-Coninck, 1943 (Tchesunov, Portnova & van-Campenhout, 2015)
Species *rotundicapitata* (Filipjev, 1922) Tchesunov, Portnova & van-Campenhout, 2015
syn *Geomonhystera rotundicapitata* Filipjev, 1922 (Tchesunov, Portnova & van-Campenhout, 2015)
Species *socialis* Tchesunov, Portnova & van-Campenhout, 2015
Species *tangaroa* Leduc, 2014
Species *taurica* (Tsalolikhin, 2007) Tchesunov, Portnova & van-Campenhout, 2015
syn *Geomonhystera taurica* Tsalolikhin, 2007 (Tchesunov, Portnova & van-Campenhout, 2015)
Species *vandoverae* (Zekely, Sorensen & Bright, 2006) Tchesunov, Portnova & van-Campenhout, 2015
syn *Thalassomonhystera vandoverae* (Zekely, Sorensen & Bright, 2006) Tchesunov, Portnova & van-Campenhout, 2015
Species “sp. A” Leduc, 2014
Species “sp. B” Leduc, 2014
Genus *Hieminema* Tchesunov & Portnova, 2005 (1 species)
Genus *Litotes* Cobb, 1920 (1 species)
Genus *Longilaimus* Allgen, 1958 (2 species)
Genus *Monhystera* Bastian, 1865 (65 species)
Species *tibetica* Tsalolikhin, 2019
Genus *Monhystrella* Cobb, 1918 (34 species)
Species *andreana* Tsalolikhin, 2017
Species *kermadecensis* Leduc, 2015
Genus *Monhystrium* Cobb, 1920 (5 species)
Genus *Odontobius* Rouse-De-Vauzeme, 1834 (1 species)
Genus *Sinanema* Andrassy, 1960 (3 species)²⁰¹
Genus *Sitadevinema* Khera, 1970 (1 species)
Genus *Thalassomonhystera* Jacobs, 1987 (41 species)
Genus *Tridentulus* Eyualem & Coomans, 1995 (6 species)
Genus *Tripylum* Cobb, 1920 (2 species)

Superfamily **Sphaerolaimoidea** Filipjev, 1918 (De-Coninck, 1965) (2 families, 5 subfamilies, 59 genera, 650

201 Monhysteridae according to Eyualem & Coomans (1995) and Jacobs (1987), but Syringolaiminae Rhabdolaimidae according to Lorenzen (1981, 1994). The former is more parsimonious than the latter if all characters are considered; the latter is favoured by many fewer characters, but perhaps they are more phylogenetically informative. Because the phylogenetic content of some of the characters favoured by Lorenzen has not always been supported, the former is favoured.

- species)
- Family **Xyalidae** Lorenzen, 1977 (3 subfamilies, 53 genera, 563 species)
- Subfamily **Corononeminae** Nicholas & Stewart, 1995 (1 genus, 2 species)
- Tribe **Corononemini** Nicholas & Stewart, 1995 *
- Subtribe **Corononemini** Nicholas & Stewart, 1995 *
- Genus *Corononema* Nicholas & Stewart, 1995 (2 species)
- Subfamily **Scaptrellinae** De-Coninck, 1965 (1 genus, 5 species)
- Tribe **Scaptrellini** De-Coninck, 1965 *
- Subtribe **Scaptrellini** De-Coninck, 1965 *
- Genus *Scaptrella* Cobb, 1917 (5 species)
- Species *filicaudata* Jacob, Jaleel, Philip & Damodaran, 2015
- Subfamily **Xyalinae** Chitwood, 1951 (50 genera, 556 species)
- Tribe **Xyalini** Chitwood, 1951 *
- Subtribe **Xyalinii** Chitwood, 1951 *
- Genus *Ammotheristus* Lorenzen, 1977 (2 species)
- Genus *Amphimonhystera* Allgen, 1929 (7 species)
- Genus *Amphimonhystrella* Timm, 1961 (3 species)
- Genus *Arabanema* Turpeenniemi, Nasira & Maqbool, 2001 (1 species)
- Genus *Austronema* Cobb, 1914 (1 species)
- Genus *Cenolaimus* Cobb, 1933 (2 species)
- Genus *Cienfuegia* Armenteros, Vincx & Decraemer, 2009 (1 species)
- Genus *Cobbia* De-Man, 1907 (13 species)
- Species *bengalensis* Datta, Bhowmik & Choudhury, 2018
- Species *heterospicula* Wang, An & Huang, 2018
- Genus *Dactylaimoides* Blome, 2002 (1 species)
- Genus *Dactylaimus* Cobb, 1920 (1 species)
- Genus *Daptonema* Cobb, 1920 (167 species)
- Species *amphorum* Leduc, 2015
- Species *balatum* Nguyen, Gagarin, Nguyen, Nguyen & Nguyen, 2014
- Species *borkini* Tsalolikhin, 2017
- Species *chonispiculum* Aryuthaka & Kito, 2018
- Species *donghaiensis* Wang, An & Huang, 2018
- Species *galeatum* (Wieser & Hopper, 1967) Aryuthaka & Kito, 2018
- syn *Trichotheristus galeatum* Wieser & Hopper, 1967 (Aryuthaka & Kito, 2018)
- syn *Metadesmolaimus galeatum* (Wieser & Hopper, 1967) Tchesunov, 1990
- Species *nearticulatum* Aryuthaka & Kito, 2018
- syn *Trichotheristus articulatum* Huang & Zhang, 2006 (Aryuthaka & Kito, 2018)
- syn *Daptonema articulatum* Huang & Zhang, 2006 (Aryuthaka & Kito, 2018) nec
- Daptonema articulatum* Lorenzen, 1977
- Species *orientale* (Gagarin & Nguyen, 2005) Gagarin, 2019
- syn *Theristus orientale* Gagarin & Nguyen, 2005 (Gagarin, 2019)²⁰²
- Species *papillifera* Sun, Huang, Tang, Zang, Xia & Tang, 2019
- Species *parabreviseta* Huang, Sun & Huang, 2019
- Species *paraoxyuroides* Nguyen, Gagarin, Nguyen, Nguyen & Nguyen, 2014
- Species *phuketense* Aryuthaka & Kito, 2018
- Species *salinae* Gagarin & Gusakov, 2014
- Species *securum* Nguyen, Klein, Man, Gagarin & Nguyen, 2016
- Genus *Echinotheristus* Thun & Riemann, 1967 (2 species)
- Genus *Elzalia* Gerlach, 1957 (13 species)
- Species *bifurcata* Sun & Huang, 2017
- Species *heterospiculata* Jia & Huang, 2019

202 Based on the presence of three terminal caudal setae.

Genus *Echonema* Bussau, 1993 (1 species)²⁰³
 Genus *Filipjeva* Ditlevsen, 1928 (7 species)
 Genus *Gnomoxyala* Lorenzen, 1977 (1 species)
 Genus *Gonionchus* Cobb, 1920 (14 species)
 Genus *Guitartia* Armenteros Vincx & Decraemer, 2010 (1 species)
 Genus *Gullanema* Nicholas & Stewart, 1995 (1 species)
 Genus *Hofmaenneria* Schneider, 1940 (8 species)
 Genus *Lamyronema* Leduc, 2015 (1 species)
 Species *horizonensis* Leduc, 2015
 Genus *Linhystera* Juario, 1974 (6 species)
 Species *breviapophysys* Yu, Huang & Xu, 2014
 Species *longiapophysys* Yu, Huang & Xu, 2014
 Genus *Manganonema* Bussau, 1993 (12 species)
 Species *kitasatoi* Leduc, 2015
 Species *majusculum* Leduc, 2015
 Species *rowdeni* Leduc, 2015
 Genus *Marisalbinema* Tchesunov, 1990 (1 species)
 Genus *Megalamphis* Timm, 1961 (1 species)
 Genus *Metadesmolaimus* Stekhoven, 1935 (17 species)
 Species *zhanggi* Guo, Chen & Liu, 2016
 Genus *Omicronema* Cobb, 1920 (6 species)
 Genus *Paragnomoxyala* Jiang & Huang, 2015 (4 species)
 Species *breviseta* Jiang & Huang, 2015
 Species *macrostoma* (Jiang & Huang, 2015) Sun & Huang, 2017
 syn *Daptonema macrostoma* Jiang & Huang, 2015 (Sun & Huang, 2017)
 Genus *Paragonionchus* Blome, 2002 (1 species)
 Genus *Paramonohystera* Steiner, 1916 (21 species)
 Subgenus *Leptogastrella* Cobb, 1920 (5 species)
 Subgenus *Paramonohystera* Steiner, 1916 (16 species)
 Species *sinica* Yu & Xu, 2015
 Species *weihaiensis* Huang & Sun, 2019
 Genus *Paramphimonhystrella* Huang & Zhang, 2006 (15 species)
 Species *barbula* Leduc, 2014
 Species *echinocauda* Leduc, 2014
 Species *eurystoma* Shi, Yu & Xu, 2017
 Species *glossalga* Leduc, 2014
 Species *longispicula* Shi, Yu & Xu, 2017
 Species *scutula* Leduc, 2014
 Genus *Parelzalia* Tchesunov, 1990 (1 species)
 Genus *Promonhystera* Wieser, 1956 (2 species)
 Genus *Prorhynchonema* Gourbault, 1982 (2 species)
 Genus *Pseudechinotheristus* Blome, 2002 (1 species)
 Genus *Pseudelzalia* Yu & Xu, 2015 (1 species)
 Species *longiseta* Yu & Xu, 2015
 Genus *Pseudosteineria* Wieser, 1956 (13 species)
 Species *anteramphida* Sun, Huang, Tang, Zang, Xia & Tang, 2019
 Genus *Pulchrnemella* Cobb, 1933 (1 species)²⁰⁴
 Genus *Retrotheristus* Lorenzen, 1977 (1 species)
 Genus *Rhynchonema* Cobb, 1920 (34 species)

203 The nomenclatural availability of the nomina proposed by Bussau (1993) in a thesis have been controversial and not always accepted, but were considered to fulfil all requirements of the ICZN by Holovachov (2020).

204 Genus and species dubia.

- Species *annulatum* Tauheed & Ahmad, 2017
 Species *cemae* Bezerra, Smol & Vincx, 2014
 Species *dighaensis* Datta, Navarrete & Mohapatra, 2015
 Species *lorenzeni* Tauheed & Ahmad, 2017
 Species *siddiqii* Tauheed & Ahmad, 2017
 Species *veronicae* Bezerra, Smol & Vincx, 2014
 Genus *Robustnema* Nicholas, 1996 (1 species)
 Genus *Sacrimarinema* Shoshin, 2001 (3 species)
 Genus *Sphaerotheristus* Timm, 1968 (5 species)
 Genus *Spiramphinema* Wieser, 1957 (3 species)
 Genus *Steineria* Micoletzky, 1922 (19 species)
 Genus *Theristus* Bastian, 1865 (117 species)
 Subgenus *Penzancia* De-Man, 1889 (52 species)
 Species *karachiense* Salma, Nasira, Saima & Shahina, 2017
 Subgenus *Theristus* Bastian, 1865 (64 species)
 Species *consobrinus* Nguyen & Gagarin, 2017
 Species *cylindricus* Salma, Nasira, Saima & Shahina, 2017
 Species *gigas* Gagarin & Thanh, 2018
 Subgenus *Wieserius* Chitwood & Murphy, 1964 (1 species)
 Genus *Trichotheristus* Wieser, 1956 (2 species)
 Genus *Valvaelaimus* Lorenzen, 1977 (2 species)
 Genus *Xenolaimus* Cobb, 1920 (2 species)
 Genus *Xyala* Cobb, 1920 (13 species)
 Genus *Zygonemella* Cobb, 1920 (1 species)
 Family **Sphaerolaimidae** Filipjev, 1918 (De-Coninck & Schuurmans-Stekhoven, 1933) (2 subfamilies, 6 genera, 87 species)
 Subfamily **Parasphaerolaiminae** Lorenzen, 1978 (1 genus, 17 species)
 Tribe **Parasphaerolaimini** Lorenzen, 1978 *
 Subtribe **Parasphaerolaiminii** Lorenzen, 1978 *
 Genus *Parasphaerolaimus* Ditlevsen, 1918 (17 species)
 Species *brevisetosus* Gagarin, 2014
 Species *crassus* (Timm, 1961)
 Species *jintiani* Fu, Boucher & Cai, 2017
 Species *lodosus* (Gerlach, 1956)
 Species *magdolnae* Cavalcanti & Venekey, 2017
 Species *minor* Gagarin & Tu, 2019
 Species *pilosus* Zograf, Pavlyuk, Trebukhova & Nguyen, 2017
 Species *tropicus* Gagarin & Tu, 2019
 Subfamily **Sphaerolaiminae** Filipjev, 1918 (5 genera, 70 species)
 Tribe **Sphaerolaimini** Filipjev, 1918 *
 Subtribe **Sphaerolaiminii** Filipjev, 1918 *
 Genus *Buccolaimus* Allgen, 1960 (1 species)
 Genus *Doliolaimus* Lorenzen, 1966 (1 species)
 Genus *Metasphaerolaimus* Gourbault & Boucher, 1982 (11 species)
 Species *constrictus* Leduc, 2015
 Genus *Sphaerolaimus* Bastian, 1865 (46 species)
 Species *haurakiensis* Leduc & Zhao, 2017
 Genus *Subsphaerolaimus* Lorenzen, 1978 (11 species)
 Species *major* Nguyen, Vu, Thanh & Gagarin, 2009
 Species *minor* Gagarin & Thanh, 2015
 Suborder **Linhomoeina** Andrassy, 1974 (1 superfamily, 3 families, 7 subfamilies, 35 genera, 313 species)
 Superfamily **Siphonolaimoidea** Filipjev, 1918 (Chitwood, 1937) (3 families, 7 subfamilies, 35 genera, 313

- species)
- Family **Siphonolaimidae** Filipjev, 1918 (Chitwood, 1937) (2 subfamilies, 4 genera, 62 species)
- Subfamily **Astomonematinae** Kito & Aryuthaka, 2006 (2 genera, 7 species)
- Tribe **Astomonematini** Kito & Aryuthaka, 2006 *
- Subtribe **Astomonematini** Kito & Aryuthaka, 2006 *
- Genus *Astomonema* Ott, Rieger, Rieger & Enderes, 1982 (5 species)
- Genus *Parastomonema* Kito, 1989 (2 species)
- Subfamily **Siphonolaiminae** Filipjev, 1918 (2 genera, 55 species)²⁰⁵
- Tribe **Siphonolaimini** Filipjev, 1918 *
- Subtribe **Siphonolaimini** Filipjev, 1918 *
- Genus *Siphonolaimus* De-Man, 1893 (54 species)
- Species *anticomoides* (Allgen, 1933) Wieser, 1956
- Species *auratus* Wieser, 1956
- Species *banyulensis* Boucher, 1971
- Species *boucheri* Zhang & Zhang, 2010
- Species *cobbi* Riemann, 1966
- Species *conicus* Chitwood, 1936
- Species *cylindricaudatus* Stekhoven, 1942
- Species *dorylus* Inglis, 1968
- Species *elongatus* (Stekhoven, 1950) Vitiello, 1971
- syn *Southernia elongata* Stekhoven, 1950
- Species *ewensis* Warwick & Platt, 1973
- Species *falklandiae* Allgen, 1959
- Species *gladiator* Wieser, 1956
- Species *japonicus* Zograf, Trebukhova & Pavlyuk, 2015
- Species *mejillinus* Pastor-De-Ward, 1989
- Species *niger* De-Man, 1893
- syn *Anthraconema sagax* Strassen, 1904
- Species *nigricans* (Cobb, 1894) Filipjev, 1918
- syn *Chromagaster nigricans* Cobb, 1894
- Species *obscurus* Boucher & Helleouet, 1977
- Species *obtusicaudatus* Allgen, 1930
- syn *norvegicus* Allgen, 1940
- Species *pachyderma* Wieser, 1956
- Species *pellucidus* Allgen, 1932
- Species *profundus* Warwick, 1973
- Species *purpureus* (Cobb, 1894) Filipjev, 1918
- syn *Chromagaster purpurea* Cobb, 1894
- Species *roervikensis* Allgen, 1945
- Species *smetti* Chen & Vincx, 2000
- Species *tenuis* Steiner, 1921
- Species *tubicen* Ott, 1972
- Species *weismanni* (zur-Strassen, 1904) Steiner, 1916
- syn *Anthraconema weismanni* zur-Strassen, 1904)
- Genus *Solenolaimus* Cobb, 1894 (1 species)
- Family **Linhomoeidae** Filipjev, 1922 (Filipjev, 1934) (4 subfamilies, 30 genera, 250 species)
- Subfamily **Desmolaiminae** G. Schneider, 1926 (10 genera, 86 species)
- Tribe **Desmolaimini** G. Schneider, 1926 *
- Subtribe **Desmolaimini** G. Schneider, 1926 *
- Genus *Anticyathus* Cobb, 1920 (6 species)
- Genus *Desmolaimoides* Jensen, 1986 (1 species)

205 Originally created as subfamily Siphonolaimini.

- Genus *Desmolaimus* De-Man, 1880 (18 species)
 Species *balatonicus* Daday, 1894
 syn *Campydora balatonica* (Daday, 1894) Andrassy, 1954 ²⁰⁶
 Species *minor* Gagarin, 2019
- Genus *Linhomoella* Cobb, 1920 (1 species)
- Genus *Megadesmolaimus* Wieser, 1954 (8 species)
- Genus *Prosphaerolaimus* Filipjev, 1918 (2 species)
- Genus *Pseudoterschellingia* Armenteros, Vincx & Decraemer, 2009 (1 species)
- Genus *Sarsonia* Gerlach, 1967 (2 species)
- Genus *Terschellingia* De-Man, 1888 (41 species)
 Species *coronata* Nguyen & Gagarin, 2016
 Species *filicaudata* Wang, An & Huang, 2017
 Species *lutosa* Gagarin & Nguyen, 2014
 Species *stenocephala* Wang, An & Huang, 2017
 Species *yenensis* Gagarin, 2019
- Genus *Terschellingioides* Timm, 1967 (6 species)
- Subfamily **Linhomoeinae** Filipjev, 1922 (17 genera, 129 species) ²⁰⁷
- Tribe **Linhomoeini** Filipjev, 1918 *
- Subtribe **Linhomoeinii** Filipjev, 1918 *
- Genus *Anticyclus* Cobb, 1920 (8 species) ²⁰⁸
- Genus *Aponcholaimus* Allgen, 1957 (1 species)
- Genus *Bathylaimella* Allgen, 1930 (1 species)
- Genus *Cryptolaimus* Cobb, 1933 (2 species)
- Genus *Chloronemella* Allgen, 1929 (1 species)
- Genus *Didelta* Cobb, 1920 (5 species)
- Genus *Disconema* Filipjev, 1918 (8 species)
 Species *zhangii* Sun, Zhai & Huang, 2019
- Genus *Halinema* Cobb, 1920 (4 species)
- Genus *Linhomoeus* Bastian, 1865 (16 species)
 Subgenus *Eulinhomoeus* De-Man, 1907 (3 species)
 Subgenus *Linhomoeus* Bastian, 1865 (13 species)
- Genus *Metalinhomoeus* De-Man, 1907 (30 species)
- Genus *Monhysteroides* Timm, 1961 (2 species)
- Genus *Nijhoffia* Allgen, 1935 (1 species)
- Genus *Paraegialoalaimus* Allgen, 1934 (1 species)
- Genus *Paralinhomoeus* De-Man, 1907 (41 species)
- Genus *Prolinhomoeus* Timm, 1961 (1 species)
- Genus *Sphaerocephalum* Filipjev, 1918 (3 species)
- Genus *Valvaelaimoides* Gagarin, 2017 (4 species)
 Species *leptus* Gagarin, 2017
 Species *macramphis* Gagarin, 2017
- Subfamily **Eleutherolaiminae** Gerlach & Riemann, 1973 (2 genera, 31 species)
- Tribe **Eleutherolaimini** Gerlach & Riemann, 1973 *
- Subtribe **Eleutherolaiminii** Gerlach & Riemann, 1973 *
- Genus *Eleutherolaimus* Filipjev, 1922 (27 species)
- Genus *Metalaimus* Kreis, 1928 (4 species)
- Subfamily **Thelonematinae** Bussau, 1993 (1 genus, 4 species)
- Tribe **Thelonematini** Bussau, 1993 *
- Subtribe **Thelonematinii** Bussau, 1993 *

206 Synonymy not accepted but also not mentioned by Holovachov (2019).

207 Lorenzen (1994) regarded all the genera described by Allgen (1930) as dubious and their placement not fully certain.

208 Synonymized with *Paralinhomoeus* by Hendelberg (1979), but retained as a valid, separate genus by Lorenzen (1994).

- Genus *Thelonema* Bussau, 1993 (4 species)²⁰⁹
 Species *clarki* Leduc, 2015
 Species *majum* Bussau, 1993
- Family **Fusivermidae** Tchesunov, 1996 (1 subfamily, 1 genus, 1 species)
 Subfamily **Fusiverminae** Tchesunov, 1996 * (1 genus, 1 species)
 Tribe **Fusivermini** Tchesunov, 1996 *
 Subtribe **Fusiverminii** Tchesunov, 1996 *
 Genus *Fusivermis* Tchesunov, 1996 (1 species)
- Suborder **Araeolaimina** De-Coninck, 1965 (1 superfamily, 5 families, 8 subfamilies, 58 genera, 573 species)
 Superfamily **Axonolaimoidea** Filipjev, 1918 (Chitwood, 1937) (5 families, 8 subfamilies, 57 genera, 572 species)
- Family **Axonolaimidae** Filipjev, 1918 (De-Coninck & Schuurmans-Stekhoven, 1933) (1 subfamily, 13 genera, 146 species)
 Subfamily **Axonolaiminae** Filipjev, 1918 (13 genera, 146 species)
 Tribe **Axonolaimini** Filipjev, 1918 *
 Subtribe **Axonolaiminii** Filipjev, 1918 *
 Genus *Aequalodontium* Smolanko & Belogurov, 1993 (1 species)
 Genus *Apodontium* Cobb, 1920 (4 species)
 Subgenus *Apodontium* Cobb, 1920 (3 species)
 Subgenus *Paraxonolaimus* Allgen, 1930 (1 species)
 Genus *Ascolaimus* Ditlevsen, 1919 (3 species)
 Genus *Axonolaimus* De-Man, 1889 (36 species)
 Genus *Margonema* Cobb, 1920 (2 species)
 Genus *Namibnema* Vincx & Furstenberg, 1989 (1 species)
 Genus *Nicascolaimus* Riemann, 1986 (1 species)
 Genus *Odontophora* Bütschli, 1874 (38 species)
 Species *atrox* Leduc & Zhao, 2016
 Genus *Odontophoroides* Boucher & Helleouët, 1977 (3 species)
 Genus *Parascolaimus* Wieser, 1959 (5 species)
 Genus *Parodontophora* Timm, 1963 (32 species)
 Species *aequiramus* Li & Guo, 2016
 Species *huoshanensis* Li & Guo, 2016
 Species *irregularis* Li & Guo, 2016
 Species *longiamphidata* Wang & Huang, 2016
 Species *microseta* Li & Guo, 2016
 Species *paramicroseta* Li & Guo, 2016
 Genus *Pseudolella* Cobb, 1920 (16 species)
 Species *major* Wang & Huang, 2016
 Species *mangrovi* Gagarin & Nguyen, 2016
 Species *pastor* Gagarin, 2017
 Species *tenuis* Gagarin & Nguyen, 2019
 Genus *Synodontium* Cobb, 1920 (4 species)
- Family **Bodonematidae** Jensen, 1991 (1 subfamily, 1 genus, 1 species)
 Subfamily **Bodonematinae** Jensen, 1991 * (1 genus, 1 species)
 Tribe **Bodonematini** Jensen, 1991 *
 Subtribe **Bodonematinii** Jensen, 1991 *
 Genus *Bodonema* Jensen, 1991 (1 species)
- Family **Comesomatidae** Filipjev, 1918 (De-Coninck & Schuurmans-Stekhoven, 1933) (3 subfamilies, 23 genera, 253 species)²¹⁰

209 Not accepted by Fonseca & Bezerra (2014), but regarded as valid on the basis of a second species being found in the genus by Leduc (2015).

210 Originally cited as Family Comesomidae (De Coninck & Schuurmans Stekhoven 1933). Placed here on the basis of molecular evidence

Subfamily **Comesomatinae** Filipjev, 1918 (10 genera, 39 species)

Tribe **Comesomatini** Filipjev, 1918 *

Subtribe **Comesomatini** Filipjev, 1918 *

Genus *Comesoma* Bastian, 1865 (13 species)

Species *zhangii* Huang & Huang, 2018

Genus *Comesomoides* Gourbault, 1980 (1 species)

Genus *Dolichosomatium* Allgen, 1951 (1 species)

Genus *Grahamius* Gerlach & Riemann, 1973 (1 species)

Genus *Kenyanema* Muthumbi, Soetaert & Vincx, 1997 (1 species)

Genus *Metacomesoma* Wieser, 1954 (4 species)

Species *macramphida* Huang & Huang, 2018

Genus *Minolaimus* Vitiello, 1970 (2 species)

Genus *Notosabatieria* Allgen, 1959 (1 species)

Genus *Paracomesoma* Hope & Murphy, 1972 (14 species)

Species *leptum* Gagarin & Nguyen, 2019

Species *minor* Gagarin & Nguyen, 2014

Species *susannae* Semprucci, 2015

Genus *Ungulilaimus* Allgen, 1958 (1 species)

Subfamily **Dorylaimopsinae** De-Coninck, 1965 (6 genera, 61 species)

Tribe **Dorylaimopsini** De-Coninck, 1965 *

Subtribe **Dorylaimopsinii** De-Coninck, 1965 *

Genus *Dorylaimopsis* Ditlevsen, 1918 (33 species)

Species *boucheri* Fu, Leduc, Rao & Cai, 2019

Species *communis* (Gagarin & Nguyen, 2006) Fu, Leduc, Rao & Cai, 2019

syn *Hopperia communis* Gagarin & Nguyen, 2006

Species *heteroapophysis* Huang, Sun & Huang, 2018

Species *jinyuai* Fu, Leduc, Rao & Cai, 2019

Species *longispicula* Fu, Leduc, Rao & Cai, 2019

Species *lutosa* Gagarin, 2017

Species *papilla* Guo, Chang & Yang, 2018

Genus *Expressonema* Smolyanko & Belogurov, 1991 (1 species)

Genus *Hopperia* Vitiello, 1969 (20 species)

Species *sinensis* Guo, Chang, Chen Li & Liu, 2015

Species *metatypica* (Chitwood, 1936) Fu, Leduc, Rao & Cai, 2019

syn *Dorylaimopsis metatypica* (Chitwood, 1936) Fu, Leduc, Rao & Cai, 2019

Species *novaezealandica* Fu, Leduc & Zhao, 2019

Species *macramphida* Sun, Huang & Huang, 2018

Genus *Metasabatiera* Timm, 1961 (1 species)

Genus *Paramesonchium* Hopper, 1967 (3 species)

Genus *Vasostoma* Wieser, 1954 (3 species)

Species *hexodontium* Rosli, Leduc & Probert, 2014

Subfamily **Sabatieriinae** Filipjev, 1934 (7 genera, 153 species)

Tribe **Sabatieriini** Filipjev, 1934 *

Subtribe **Sabatieriinii** Filipjev, 1934 *

Genus *Asynmelaimus* Nguyen, Nguyen, Smol & Vanreusel, 2008 (2 species)

Species *vietnamicus* Nguyen, Nguyen, Smol & Vanreusel, 2008

Genus *Cervonema* Wieser, 1954 (20 species)

Species *donghaensis* Hong, Tchesunov & Lee, 2016

Species *longispicula* Huang, Jia & Huang, 2018

Species *tenuicaudata* (Schuurmans-Stekhoven, 1950) Wieser, 1950 (Hong,

from 2 genes and several analyses (Holterman *et al.* 2006, Meldal *et al.* 2007, Litvaitis *et al.* 2000, Van Megen *et al.* 2009). There is morphological evidence for inclusion in Monhysterida, and monophyly of the family, but not subfamily or superfamily placement (Lorenzen 1994).

Tchesunov & Lee, 2016

syn *deltensis* Hope & Zhang, 1995

Genus *Laimella* Cobb, 1920 (7 species)

Genus *Pierrickia* Vitiello, 1970 (4 species)

Genus *Sabatieria* Rouville, 1903 (106 species)

Species *articulata* Fu, Leduc & Zhao, 2019

Species *balbutiens* Leduc, 2013

Species *bathycopia* Leduc, 2013

Species *bubulba* Leduc, 2013

Species *challengerensis* Leduc, 2013

Species *chukchensis* Yang, Guo, Chen & Lin, 2019

Species *conicoseta* Guo, Chang & Yang, 2018

Species *exulta* Leduc, 2013

Species *labium* Botelho, Esteves & Fonseca-Genevois, 2014

Species *major* Yang, Guo, Chen & Lin, 2019

Species *megadena* Leduc, 2017

Species *multisupplementia* Yang, Guo, Chen & Lin, 2019

Species *parapraedatrix* Leduc, 2013

Species *parvamphis* Yang, Guo, Chen & Lin, 2019

Species *pumila* Leduc, 2013

Species *verteris* Botelho, Esteves & Fonseca-Genevois, 2014

Genus *Scholpaniella* Sergeeva, 1973 (1 species)

Genus *Setosabatieria* Platt, 1985 (13 species)

Species *longiapophysis* Guo, Huang, Chen, Wang & Lin, 2015

Species *major* Guo, Huang, Chen, Wang & Lin, 2015

Species *singaporensis* Chen & Long, 2015

Species *minor* Huang, Xu & Huang, 2019

Family **Coninckiiidae** Lorenzen, 1981 (1 subfamily, 1 genus, 5 species)

Subfamily **Coninckiiinae** Lorenzen, 1981 * (1 genus, 5 species)

Tribe **Coninckiiini** Lorenzen, 1981 *

Subtribe **Coninckiiinii** Lorenzen, 1981 *

Genus *Coninckia* Gerlach, 1956 (5 species)

Family **Diplopettidae** Filipjev, 1918 (De-Coninck & Schuurmans-Stekhoven, 1933) (2 subfamilies, 19 genera, 167 species)

Subfamily **Cylindrolaiminae** De-Coninck & Schuurmans-Stekhoven, 1933 (Lorenzen, 1981) (3 genera, 24 species)

Tribe **Cylindrolaimini** De-Coninck & Schuurmans-Stekhoven, 1933 *

Subtribe **Cylindrolaiminii** De-Coninck & Schuurmans-Stekhoven, 1933 *

Genus *Cylindrolaimus* De-Man, 1880 (22 species)

Genus *Halicylindrolaimus* Allgen, 1959 (1 species)

Genus *Linolaimus* Cobb, 1933 (1 species)

Subfamily **Diplopettinae** Filipjev, 1918 (16 genera, 143 species)

Tribe **Diplopettini** Filipjev, 1918 *

Subtribe **Diplopettini** Filipjev, 1918 *

Genus *Acmaeolaimus* Filipjev, 1918 (1 species)

Genus *Araeolaimus* De-Man, 1888 (34 species)

Genus *Belgopeltula* Holovachov, 2017 (1 species)

Species *belgica* (Vincx & Gourbault, 1992) Holovachov, 2017

Genus *Campylaimus* Cobb, 1920 (29 species)²¹¹

Species *amphidialis* Fadeeva, Mordukhovich & Zograf, 2016

Species *longispiculus* Holovachov, 2019

211 Species number according to (Fadeeva *et al.* 2016), excluding 1 nomen nudum.

- Species *minutus* Fadeeva, Mordukhovich & Zograf, 2016
 Species *orientalis* Fadeeva, Mordukhovich & Zograf, 2016
 Species *pulcher* Fadeeva, Mordukhovich & Zograf, 2016
 Species *tricladius* Holovachov, 2019
- Genus *Diplopeltis* Cobb in Stiles & Hassal, 1905 (6 species)
- Genus *Diplopeltula* Gerlach, 1950 (6 species)²¹²
 Species *cuspidiboja* Leduc, 2017
- Genus *Intasia* Tchesunov & Miljutin, 2008 (7 species)
 Species *amblynema* (Bussau, 1993) Leduc, 2017
 syn *Southerniella amblynema* (Bussau, 1993) Leduc, 2017
 Species *lympa* (Bussau, 1993) Leduc, 2017
 syn *Southerniella nympha* (Bussau, 1993) Leduc, 2017
 Species *nojii* (Jensen, 1991) Leduc, 2017
 syn *Southerniella nojii* (Jensen, 1991) Leduc, 2017
- Genus *Metaraeolaimoides* De-Coninck, 1936 (1 species)
- Genus *Mudwigglus* Leduc, 2013 (12 species)
 Species *macramphidium* Leduc, 2013
 Species *micramphidium* Holovachov, 2017
 Species *minuta* (Vitiello, 1972) Holovachov, 2017
 syn *Diplopeltula minuta* Vitiello, 1972 (Holovachov, 2017)
 Species *nellyae* (Vincx & Gourbault, 1992) Leduc, 2013
 Species *patumuka* Leduc, 2013
 Species *plebeius* Leduc, 2013
- Genus *Morlaixia* Vincx & Gourbault, 1989 (2 species)
- Genus *Neodiplopeltula* Holovachov & Bostrom, 2018 (14 species)
 Species *barentsi* (Steiner, 1916) Holovachov & Bostrom, 2018
 syn *Diplopeltis barentsi* Steiner, 1916
 syn *Diplopeltis ovalis* Ditlevsen, 1928 (Holovachov & Bostrom, 2018)
 syn *Neodiplopeltula ovalis* (Ditlevsen, 1928) Holovachov & Bostrom, 2018
 syn *Diplopeltis asymmetricus* Allgen, 1935 Holovachov & Bostrom, 2018
 syn *Neodiplopeltula asymmetrica* (Allgen, 1935) Holovachov & Bostrom, 2018
 syn *Diplopeltis incisus* sensu Gerlach, 1950 partim.
 syn *Diplopeltula incisa* sensu Voronov, 1982 partim.
 syn *Diplopeltis ovalis* sensu Sergeeva, 1977
 syn *Diplopeltula cuspidiboja* Leduc, 2017 partim. (Holovachov & Bostrom, 2018)
 syn *Neodiplopeltula cuspidiboja* (Leduc, 2017) Holovachov & Bostrom, 2018
 Species *bathmanni* (Jensen, 1991) Holovachov & Bostrom, 2018
 syn *Diplopeltis bathmanni* Jensen, 1991
 syn *Diplopeltula bathmanni* (Jensen, 1991) Holovachov & Bostrom, 2018
 syn *Diplopeltula incisa* sensu Vitiello, 1972 (Holovachov & Bostrom, 2018)
 syn *Diplopeltula incisa* sensu Voronov, 1982 partim. (Holovachov & Bostrom, 2018)
 syn *Diplopeltula cuspidiboja* Leduc, 2017 partim. (Holovachov & Bostrom, 2018)
 syn *Neodiplopeltula cuspidiboja* (Leduc, 2017) Holovachov & Bostrom, 2018
 Species *incisa* (Southern, 1914) Holovachov & Bostrom, 2018
 syn *Diplopeltis incisus* Southern, 1914
 syn *Diplopeltula incisa* (Southern, 1914)
 syn *Diplopeltis incisus* sensu Gerlach, 1950 partim
 syn *Diplopeltula incisa* sensu Voronov, 1982 partim)
 Species *indica* (Gerlach, 1962) Holovachov & Bostrom, 2018
 syn *Diplopeltula indica* Gerlach, 1962 (Holovachov & Bostrom, 2018)

212 Regarded as genus dubium by Holovachov & Bostrom (2018), with all species as species inquirenda.

- Species *intermedia* (Gerlach, 1954) Holovachov & Bostrom, 2018
 syn *Diplopeltula intermedia* Gerlach, 1954 (Holovachov & Bostrom, 2018)
- Species *obesa* (Nguyen Nguyen & Gagarin, 2012) Holovachov & Bostrom, 2018
 syn *Diplopeltula obesa* Nguyen Nguyen & Gagarin, 2012 (Holovachov & Bostrom, 2018)
- Species *onusta* (Wieser, 1956) Holovachov & Bostrom, 2018
 syn *Diplopeltis onustus* Wieser, 1956 (Holovachov & Bostrom, 2018)
 syn *Diplopeltula onusta* (Wieser, 1956)
 syn *Diplopeltula incisa* sensu Voronov, 1982 partim. (Holovachov & Bostrom, 2018)
 syn *Diplopeltula tchesunovi* Fadeeva & Mordukhovich, 2013 (Holovachov & Bostrom, 2018)
 syn *Neodiplopeltula tchesunovi* (Fadeeva & Mordukhovich, 2013) Holovachov & Bostrom, 2018
- Genus *Novadelonema* Ozdikmen, 2010 nom nov. pro *Adelonema* Holovachov & Sturhan, 2003 nec *Adelonema* Mawson, 1978 (1 species)
- Genus *Pararaeolaimus* Timm, 1961 (5 species)
 Species *tetradenus* Leduc, 2017
- Genus *Pseudaraeolaimus* Chitwood, 1951 (8 species)
 Species *cylindricauda* (Allgen, 1932) Holovachov, 2017
 syn *Diplopeltis cylindricauda* Allgen, 1932 (Holovachov, 2017)
 Species *laminata* (Vitiello, 1972) Holovachov, 2017
 syn *Diplopeltula laminata* Vitiello, 1972 (Holovachov, 2017)
 Species *cassidaignensis* (Vitiello, 1972) Holovachov, 2017
 syn *Diplopeltis cassidaignensis* Vitiello, 1972 (Holovachov, 2017)
- Genus *Southerniella* Allgen, 1932 (15 species)
 Species *parasimplex* Leduc, 2017
- Genus *Striatodora* Timm, 1961 (1 species)
- Superorder **Plectica** Hodda, 2007 (3 orders, 3 suborders, 5 superfamilies, 16 families, 23 subfamilies, 75 genera, 525 species)
- Order **Leptolaimida** Hodda, 2007 (1 suborder, 2 superfamilies, 9 families, 13 subfamilies, 36 genera, 277 species)
- Suborder **Leptolaimina** Lorenzen, 1981 (2 superfamilies, 9 families, 13 subfamilies, 36 genera, 277 species)
- Superfamily **Leptolaimoidea** Oerley, 1880 (De-Coninck, 1965) (6 families, 9 subfamilies, 25 genera, 207 species)
- Family **Leptolaimidae** Oerley, 1880 (3 subfamilies, 15 genera, 89 species)
- Subfamily **Leptolaiminae** Oerley, 1880 (12 genera, 78 species)
- Tribe **Leptolaimini** Oerley, 1880 *
- Subtribe **Leptolaiminii** Oerley, 1880 *
- Genus *Alaimella* Cobb, 1920 (2 species)
- Genus *Anomonema* Hopper, 1963 (1 species)
- Genus *Antomicron* Cobb, 1920 (6 species)
- Genus *Cricolaimus* Southern, 1914 (2 species)
- Genus *Dagda* Southern, 1914 (1 species)
- Genus *Diodontolaimus* Southern, 1914 (3 species)
- Genus *Halaphanolaimus* Southern, 1914 (6 species)
 Species *sergeevae* Urkmex & Bernnan, 2013
- Genus *Leptolaimoides* Vitiello, 1971 (9 species)
 Species *filicaudatus* Holovachov, 2015
 Species *leptomicon* Holovachov, 2015
- Genus *Leptolaimus* De-Man, 1876 (39 species)
- Genus *Leptoplectonema* Coomans & Raski, 1991 (1 species)
- Genus *Necolaimus* Allgen, 1959 (1 species)

- Genus *Paraplectonema* Strand, 1934 (7 species)
- Subfamily **Pakirinae** Inglis, 1983 (1 genus, 1 species)
- Tribe **Pakirini** Inglis, 1983 *
- Subtribe **Pakirinii** Inglis, 1983 *
- Genus *Pakira* Yeates, 1967 (1 species)
- Subfamily **Stephanolaiminae** n. subfam. (2 genera, 10 species)²¹³
- Tribe **Stephanolaimini** n. tribe *
- Subtribe **Stephanolaiminii** n. subtribe *
- Genus *Setostephanolaimus* Tchesunov, 1994 (7 species)
- Species *tchesunovi* Holovachov, 2014
- Genus *Stephanolaimus* Ditlevsen, 1914 (3 species)
- Family **Aphanolaimidae** Chitwood, 1936 (Holovachov, Zullini, Loof & Bongers, 2002) (2 subfamilies, 4 genera, 69 species)
- Subfamily **Anonchinae** Andrassy, 1973 (1 genus, 10 species)
- Tribe **Anonchini** Andrassy, 1973 *
- Subtribe **Anonchinii** Andrassy, 1973 *
- Genus *Anonchus* Cobb, 1913 (10 species)
- Subfamily **Aphanolaiminae** Chitwood, 1936 (3 genera, 59 species)
- Tribe **Aphanolaimini** Chitwood, 1936 *
- Subtribe **Aphanolaiminii** Chitwood, 1936 *
- Genus *Aphanolaimus* De-Man, 1880 (38 species)
- Species *strilliae* Girgan, Marais, Fourie, Tiedt & Swart, 2019
- Genus *Aphanonchus* Coomans & Raski, 1991 (8 species)
- Genus *Paraphanolaimus* Micoletzky, 1922 (13 species)
- Family **Rhadinematidae** Lorenzen, 1981 (1 subfamily, 1 genus, 3 species)
- Subfamily **Rhadinematinae** Lorenzen, 1981 * (1 genus, 3 species)
- Tribe **Rhadinematini** Lorenzen, 1981 *
- Subtribe **Rhadinematinii** Lorenzen, 1981 *
- Genus *Rhadinema* Cobb, 1920 (3 species)
- Species *timmi* (Vitiello, 1971) Holovachov & Bostrom, 2014
syn *Leptolaimus timmi* Vitiello, 1971
- Family **Aegialoalaimidae** Lorenzen, 1981 (1 subfamily, 2 genera, 13 species)
- Subfamily **Aegialoalaiminae** Lorenzen, 1981 * (2 genera, 13 species)
- Tribe **Aegialoalaimini** Lorenzen, 1981 *
- Subtribe **Aegialoalaiminii** Lorenzen, 1981 *
- Genus *Aegialoalaimus* De-Man, 1907 (9 species)
- Genus *Paraterschellingia* Kreis in Stekhoven, 1935 (4 species)
- Species *vietnamicus* Gagarin, 2018
- Family **Diplopetoididae** Tchesunov, 1990 (1 subfamily, 1 genus, 23 species)
- Subfamily **Diplopetoidinae** Tchesunov, 1990 * (1 genus, 23 species)
- Tribe **Diplopetoidini** Tchesunov, 1990 *
- Subtribe **Diplopetoidinii** Tchesunov, 1990 *
- Genus *Diplopetoides* Gerlach, 1962 (23 species)
- Species *acetosus* (Juario, 1974) Holovachov & Bostrom, 2017
syn *Diplopetula acetosus* Juario, 1974 (Holovachov & Bostrom, 2017)
- Species *botulus* (Wieser, 1959) Holovachov & Bostrom, 2017
syn *Diplopetula botulus* Wieser, 1959 (Holovachov & Bostrom, 2017)
- Species *bulbosus* (Vitiello, 1972) Holovachov & Bostrom, 2017
syn *Diplopetula bulbosus* Vitiello, 1972 (Holovachov & Bostrom, 2017)
- Species *lucanicus* (Boucher & Helleout, 1977) Holovachov & Bostrom, 2017

213 Type genus is *Stephanolaimus* Ditlevsen 1919. Diagnostic feature is a transverse oval amphid (longitudinal oval or plectoid in other subfamilies). Molecular evidence also suggests a separate subfamily (Van Megen *et al.* 2009). Otherwise with the features of the family.

- syn *Diplopeltula lucanicus* Boucher & Helleout, 1977 (Holovachov & Bostrom, 2017)
- Species *pumilis* (Vincx & Gourbault, 1992) Holovachov & Bostrom, 2017
 syn *Diplopeltula pumilis* Vincx & Gourbault, 1992 (Holovachov & Bostrom, 2017)
 syn *holovachovi* Fadeeva & Mordukhovich, 2013 (Holovachov & Bostrom, 2017)
 Species *striatus* (Gerlach, 1956) Holovachov & Bostrom, 2017
 syn *Diplopeltula striatus* Gerlach, 1956 (Holovachov & Bostrom, 2017)
 Species *grandis* Holovachov & Bostrom, 2017
 Species *longicaudatus* Holovachov & Bostrom, 2017
 Species *suecicus* Holovachov & Bostrom, 2017
- Family **Ohridiidae** Lorenzen, 1981 (1 subfamily, 2 genera, 10 species)
 Subfamily **Ohridiinae** Lorenzen, 1981 * (2 genera, 10 species)
 Tribe **Ohridiini** Lorenzen, 1981 *
 Subtribe **Ohridiini** Lorenzen, 1981 *
 Genus *Domorganus* Goodey, 1947 (10 species)
 Species *gigas* Gagarin & Naumova, 2015
 Genus *Prodomorganus* Gagarin, 1993 (1 species)
- Superfamily **Ceramonematoidea** Cobb, 1933 (De-Coninck, 1965) (3 families, 4 subfamilies, 11 genera, 70 species)
- Family **Tarvaiidae** Lorenzen, 1981 (1 subfamily, 1 genus, 8 species)
 Subfamily **Tarvaiinae** Lorenzen, 1981 * (1 genus, 8 species)
 Tribe **Tarvaiini** Lorenzen, 1981 *
 Subtribe **Tarvaiini** Lorenzen, 1981 *
 Genus *Tarvaia* Allgen, 1934 (8 species)
- Family **Ceramonematidae** Cobb, 1933 (Schuurmans-Stekhoven, 1942) (2 subfamilies, 8 genera, 58 species)²¹⁴
 Subfamily **Ceramonematinae** Cobb, 1933 (6 genera, 40 species)
 Tribe **Ceramonemini** Cobb, 1933 *
 Subtribe **Ceramonemini** Cobb, 1933 *
 Genus *Ceramonema* Cobb, 1920 (21 species)
 Subgenus *Ceramonema* Cobb, 1920 (16 species)
 Subgenus *Proceramonema* Tchesunov & Miljutina, 2002 (5 species)
 Genus *Dasynemella* Cobb, 1933 (6 species)
 Genus *Dasynemoides* Chitwood, 1936 (6 species)
 Genus *Metadasynemella* De-Coninck, 1942 (3 species)
 Genus *Metadasynemoides* Haspeslagh, 1973 (3 species)
 Genus *Pristionema* N. Cobb in M. Cobb, 1933 (1 species)
- Subfamily **Pselionematinae** De-Coninck, 1965 (2 genera, 18 species)
 Tribe **Pselionematini** De-Coninck, 1965 *
 Subtribe **Pselionematini** De-Coninck, 1965 *
 Genus *Pselionema* Cobb, 1933 (13 species)
 Genus *Pterygonema* Gerlach, 1954 (5 species)
- Family **Tubolaimoididae** Lorenzen, 1981 (1 subfamily, 2 genera, 4 species)²¹⁵
 Subfamily **Tubolaimoidinae** Lorenzen, 1981 * (2 genera, 4 species)
 Tribe **Tubolaimoidini** Lorenzen, 1981 *
 Subtribe **Tubolaimoidini** Lorenzen, 1981 *
 Genus *Chitwoodia* Gerlach, 1956 (2 species)
 Genus *Tubolaimoides* Gerlach, 1963 (2 species)
- Order **Plectida** Malakhov Ryzhikov & Sonin, 1982 (1 suborder, 2 superfamilies, 6 families, 9 subfamilies, 36 genera,

214 Morphological affinities with Tarvaiidae and Diplopeltoidea (Tchesunov & Miljutina 2002). Created as a subfamily by Cobb (1933).

215 Marine, microbivorous.

215 species)

Suborder **Plectina** n. rank (2 superfamilies, 6 families, 9 subfamilies, 36 genera, 215 species)

Superfamily **Plectoidea** Oerley, 1880 (Chitwood, 1937) (4 families, 7 subfamilies, 32 genera, 176 species)

Family **Plectidae** Oerley, 1880 (4 subfamilies, 13 genera, 68 species)

Subfamily **Anaplectinae** Zell, 1993 (3 genera, 15 species)

Tribe **Anaplectini** Zell, 1993 *

Subtribe **Anaplectinii** Zell, 1993 *

Genus *Anaplectus* De-Coninck & Schuurmans-Stekhoven, 1933 (12 species)

Genus *Arctiplectus* Andrassy, 2003 (1 species)

Genus *Perioplectus* Sanwal in Gerlach & Riemann, 1973 (2 species)

Subfamily **Plectinae** Oerley, 1880 (4 genera, 23 species)

Tribe **Plectini** Oerley, 1880 *

Subtribe **Plectinii** Oerley, 1880 *

Genus *Ceratoplectus* Andrassy, 1984 (6 species)

Genus *Oligoplectus* Taylor, 1935 (1 species)²¹⁶

Genus *Plectus* Bastian, 1865 (4 species)

syn *Chiloplectus* Andrassy, 1984 (syn Holovachov Susulovsky & Bostrom, 2000)

Genus *Vetus* Taylor, 1935 (12 species)²¹⁷

Species *elongatus* Poinar, 2011²¹⁸

Species *libani* Poinar, 2011²¹⁹

Species *maximus* Poinar, 2011²²⁰

Species *microcosmus* Poinar, 2011²²¹

Subfamily **Wilsonematinae** Chitwood, 1951 (5 genera, 29 species)

Tribe **Wilsonematini** Chitwood, 1951 *

Subtribe **Wilsonematinii** Chitwood, 1951 *

Genus *Anthonema* Cobb, 1906 (1 species)

Genus *Ereptonema* Anderson, 1966 (5 species)

Genus *Neotylocephalus* Ali, Farooqui & Tejpal, 1969 (3 species)

Genus *Tylocephalus* Crossman, 1933 (11 species)

Genus *Wilsonema* Cobb, 1913 (9 species)

Subfamily **Yeatesiniana** n. subfam. (1 genera, 1 species)²²²

Tribe **Yeatesiniini** n. tribe *

Subtribe **Yeatesiniinii** n. subtribe *

Genus *Yeatesinia* Holovachov & Bostrom, 2014 (1 species)

Species *barbata* Holovachov & Bostrom, 2014

Family **Chronogasteridae** Gagarin, 1975 (1 subfamily, 5 genera, 52 species)²²³

216 Fossil.

217 Fossil.

218 Fossil, Dominican amber.

219 Fossil, Lebanese amber.

220 Fossil, Dominican amber.

221 Fossil, Dominican amber.

222 Type species is *Yeatesinia* Holovachov & Bostrom 2014. Diagnostic features are: the dorsal position of the mouth opening; unequal size and asymmetrical arrangement of anterior sensory structures (sensilla and setae) possibly related to the subterminal position of the oral opening; the presence of large, lateral, horn-like projections at the anterior end; dorsal annules narrower than ventral annules and separated by broad grooves rather than narrow grooves; and lateral alae appearing as a ridge, formed by extensions of annules from dorsal body surface overlapping annules of ventral body surface and with a shingle-like appearance. In other subfamilies the mouth is terminal; the anterior sensillae are similar in size and symmetrical; anterior projections are absent; annules are nearly equally spaced dorsally and ventrally; and the annules do not overlap or form a shingle-like ridge. Otherwise with the features of the family.

223 There is ongoing controversy over the rendering of names ending in "gaster" with a suffix. See note 233: cited as either Chronogastridae (Siddiqi 2003, Holovachov 2004, Mountport 2005, Holovachov & De Ley 2006), or Chronogasteridae (Ettema *et al.* 2000, Gagarin 1993, Gagarin *et al.* 2003, Hodda 2003, 2007, Lorenzen 1981, Poinar & Sarbu 1994, Zullini *et al.* 2002).

- Subfamily **Chronograsterinae** Gagarin, 1975 *
- Tribe **Chronogasterini** Gagarin, 1975 *
- Subtribe **Chronogasterinii** Gagarin, 1975 *
- Genus *Caribplectus* Andrassy, 1973 (1 species)
- Genus *Chronogaster* Cobb, 1913 (43 species)
- Species *loktakensis* Sufyan & Mahamood, 2018
- Genus *Cynura* Cobb, 1920 (5 species)
- Genus *Keralanema* Siddiqi, 2003 (1 species)
- Genus *Plectolaimus* Inglis, 1966 (2 species)
- Family **Metateratocephalidae** Eroshenko, 1973 (1 subfamily, 2 genera, 9 species)²²⁴
- Subfamily **Metateratocephalinae** Eroshenko, 1973 * (2 genera, 9 species)
- Tribe **Metateratocephalini** Eroshenko, 1973 *
- Subtribe **Metateratocephalinii** Eroshenko, 1973 *
- Genus *Euteratocephalus* Andrassy, 1958 (6 species)
- Genus *Metateratocephalus* Eroshenko, 1973 (3 species)
- Family **Camacolaimidae** De-Coninck & Schuurmans-Stekhoven, 1933 (1 subfamily, 12 genera, 47 species)²²⁵
- Subfamily **Camacolaiminae** De-Coninck & Schuurmans-Stekhoven, 1933 * (12 genera, 47 species)
- Tribe **Camacolaimini** De-Coninck & Schuurmans-Stekhoven, 1933 *
- Subtribe **Camacolaiminii** De-Coninck & Schuurmans-Stekhoven, 1933 *
- Genus *Anguinoides* Chitwood, 1936 (7 species)
- syn *Camacolaimoides* De-Coninck & Schuurmans-Stekhoven, 1933
- Genus *Deontolaimus* De-Man, 1880 (7 species)
- syn *Camacolaimus* De-Man, 1889 (Holovachov & Bostrom, 2015)
- syn *Digitonchus* Cobb, 1920 (Hope & Murphy, 1972)
- syn *Acontiolaimus* Filipjev, 1918 (Wieser, 1956)
- syn *Ypsilon* Cobb, 1920 (Wieser, 1956)
- Species *cangioensis* Nguyen, Nguyen, Lai & Saint-Paul, 2017
- Species *catalinae* Holovachov & Bostrom, 2015
- Species *mangrovi* Nguyen, Nguyen, Lai & Saint-Paul, 2018
- Species *papillatus* De-Man, 1880
- syn *Camacolaimus reykjanesi* De-Coninck 1943
- syn *Camacolaimus glauxicola* Allgen, 1951a
- Species *paraguillei* Holovachov & Bostrom, 2015
- Species *tardus* (De-Man, 1889) Holovachov & Bostrom, 2015
- syn *Camacolaimus tardus* De-Man, 1889
- syn *Camacolaimus barbatus* Warwick, 1970
- Species *timmi* Holovachov & Bostrom, 2015
- Genus *Donsinemella* Allgen, 1949 (1 species)
- Genus *Hemiplectus* Zell, 1991 (1 species)
- Genus *Ionema* Cobb, 1920 (5 species)
- Genus *Listia* Blome, 1982 (3 species)
- Genus *Neocamacolaimus* Holovachov & Bostrom, 2014 (1 species)
- Species *parasiticus* Holovachov & Bostrom, 2014
- Genus *Neurella* Cobb, 1920 (1 species)
- Genus *Onchiolistia* Blome, 2002 (3 species)
- Genus *Onchium* Cobb, 1920 (10 species)

224 Metateratocephalidae (including the genera *Metateratocephalus* and *Euteratocephalus*) have been included in Teratocephalidae on morphological grounds (Lorenzen 1981, 1994). Other morphological evidence (Bostrom 1989) and molecular studies (Holtermann *et al.* 2006, Van Megen *et al.* 2009) have indicated separate evolutionary paths.

225 Camacolaiminae was regarded as a subfamily of Leptolaimidae by Lorenzen (1994), but there was no morphological apomorphy to justify this placement. Molecular evidence suggests affinities with Plectoidea, so it is placed there (Van Megen *et al.* 2009).

- Species *longispiculum* Holovachov, 2015
 Genus *Procamacolaimus* Gerlach, 1954 (7 species)
 Genus *Smithsoninema* Hope & Tchesunov, 1999 (1 species)
 Superfamily **Haliplectoidea** Chitwood, 1951 (Andrassy, 1974) (2 families, 2 subfamilies, 4 genera, 39 species)
 Family **Peresianidae** Vitiello & De-Coninck, 1968 (Lorenzen, 1981) (1 subfamily, 1 genus, 3 species)²²⁶
 Subfamily **Peresianinae** Vitiello & De-Coninck, 1968 * (1 genus, 3 species)
 Tribe **Peresianini** Vitiello & De-Coninck, 1968 *
 Subtribe **Peresianinii** Vitiello & De-Coninck, 1968 *
 Genus *Manunema* Gerlach, 1957 (3 species)
 Family **Haliplectidae** Chitwood, 1951 (De-Coninck, 1965) (1 subfamily, 3 genera, 36 species)²²⁷
 Subfamily **Haliplectinae** Chitwood, 1951 * (3 genera, 36 species)
 Tribe **Haliplectini** Chitwood, 1951 *
 Subtribe **Haliplectinii** Chitwood, 1951 *
 Genus *Haliplectus* Cobb, 1913 (31 species)
 Species *gracilis* Shahina, Siddiqi & Nasira, 2014
 Species *minor* Shahina, Siddiqi & Nasira, 2014
 Species *monodelphis* Shahina, Siddiqi & Nasira, 2014
 Species *pakistanensis* Shahina, Siddiqi & Nasira, 2014
 Species *paradorsalis* Shahina, Siddiqi & Nasira, 2014
 Species *robustus* Shahina, Siddiqi & Nasira, 2014
 Genus *Longitubopharynx* Allgen, 1959 (1 species)
 Genus *Setoplectus* Vitiello, 1971 (4 species)
 Order **Benthimermithida** Tchesunov, 1997 (1 suborder, 1 superfamily, 1 family, 1 subfamily, 3 genera, 33 species)²²⁸
 Suborder **Benthimermithina** Hodda, 2007 (1 superfamily, 1 family, 1 subfamily, 3 genera, 33 species)
 Superfamily **Benthimermithoidea** Petter, 1980 (Hodda, 2007) (1 family, 1 subfamily, 3 genera, 33 species)
 Family **Benthimermithidae** Petter, 1980 (1 subfamily, 3 genera, 33 species)
 Subfamily **Benthimermithinae** Petter, 1980 * (3 genera, 33 species)
 Tribe **Benthimermithini** Petter, 1980 *
 Subtribe **Benthimermithinii** Petter, 1980 *
 Genus *Adenodelphis* Petter, 1983 (1 species)
 Genus *Benthimermis* Petter, 1980 (30 species)
 Genus *Trophomera* Rubtsov & Platonova, 1974 (2 species)
 Superorder **Teratocephalica** Hodda, 2007 (1 order, 1 suborder, 1 superfamily, 1 family, 1 subfamily, 2 genera, 22 species)²²⁹
 Order **Teratocephalida** Goodey, 1963 (1 suborder, 1 superfamily, 1 family, 1 subfamily, 2 genera, 22 species)
 Suborder **Teratocephalina** Andrassy, 1974 (1 superfamily, 1 family, 1 subfamily, 2 genera, 22 species)
 Superfamily **Teratocephaloidea** Andrassy, 1958 (Andrassy, 1974) (1 family, 1 subfamily, 2 genera, 22 species)
 Family **Teratocephalidae** Andrassy, 1958 (1 subfamily, 2 genera, 22 species)

226 Subfamily created by Vitiello & De Coninck (1968).

227 Subfamily created by Chitwood (1951).

228 Benthimermithida was unplaced in previous classifications (De Ley & Blaxter 2004, De Ley *et al.* 2006, Hodda 2007). Morphological evidence of phylogeny is unclear. Molecular evidence is lacking. Provisionally placed in Plectica on the basis of some similarity to Camacolaimus (Miljutin 2006, Miljutin & Tchesunov 2001, Tchesunov 1997).

229 After a long period of uncertainty regarding phylogeny, Teratocephalidae was placed in a separate order on morphological evidence (Goodey 1963). Other interpretations have placed the family in Leptolaimina or Rhabditida (Lorenzen 1994, Andrassy 1976) or as unresolved (Zhang & Baldwin 2001, Blaxter *et al.* 2000). Early molecular evidence suggested either a suborder within Rhabditida or Plectida (Holterman *et al.* 2006, Meldal *et al.* 2007) or an unresolved position (De Ley & Blaxter 2004). As a result of the conflicting evidence, an unresolved polytomy was suggested (Hodda 2007). The most recent molecular analysis placed the family as a separate, resolved clade equivalent with Rhabditica (Van Megen *et al.* 2009), hence confirming status as a superorder, but now resolved. Several authors have commented on the apparently very different phylogeny of this group, and speculated that such a high taxonomic level is not justified (eg Goodey 1963). However, current evidence means that this is the only viable status, and the Teratocephalidae is well supported molecularly (Van Megen *et al.* 2009).

- Subfamily **Teratocephalinae** Andrassy, 1958 (2 genera, 22 species)
 Tribe **Teratocephalini** Andrassy, 1958 *
 Subtribe **Teratocephalini** Andrassy, 1958 *
 Genus *Steratocephalus* Andrassy, 1984 (1 species)
 Genus *Teratocephalus* De-Man, 1876 (21 species)
 Species *indicus* Shikha & Chaubey, 2019
- Superorder **Rhabditica** Hodda, 2007 (6 orders, 20 suborders, 50 superfamilies, 150 families, 278 subfamilies, 1809 genera, 16765 species)
- Order **Diplogasterida** Inglis, 1983 (3 suborders, 4 superfamilies, 9 families, 14 subfamilies, 71 genera, 540 species)
 Suborder **Chambersiellina** Hodda, 2007 (1 superfamily, 1 family, 2 subfamilies, 7 genera, 22 species)²³⁰
 Superfamily **Chambersielloidea** Thorne, 1937 (Hodda, 2007) (1 family, 2 subfamilies, 7 genera, 22 species)
 Family **Chambersiellidae** Thorne, 1937 (Sanwal, 1957) (2 subfamilies, 7 genera, 22 species)
 Subfamily **Chambersiellinae** Thorne, 1937 (5 genera, 8 species)
 Tribe **Chambersiellini** Thorne, 1937 *
 Subtribe **Chambersiellini** Thorne, 1937 *
 Genus *Chambersiella* Cobb, 1920 (1 species)
 Genus *Cornilaimus* Truskova & Eroshenko, 1977 (1 species)
 Genus *Fescia* Truskova & Eroshenko, 1977 (1 species)
 Genus *Geraldus* Sanwal, 1971 (1 species)
 Genus *Trualaimus* Siddiqi, 1993 (4 species)
- Subfamily **Macrolaiminae** Sanwal, 1971 (2 genera, 14 species)
 Tribe **Macrolaimini** Sanwal, 1971 *
 Subtribe **Macrolaiminii** Sanwal, 1971 *
 Genus *Diastolaimus* Rahm, 1928 (2 species)
 Genus *Macrolaimus* Maupas, 1900 (12 species)²³¹
- Suborder **Myolaimina** Inglis, 1983 (2 superfamilies, 2 families, 2 subfamilies, 8 genera, 35 species)²³²
 Superfamily **Myolaimoidea** Goodey, 1963 (Hodda, 2007) (1 family, 1 subfamily, 7 genera, 34 species)
 Family **Myolaimidae** Goodey, 1963 (1 subfamily, 7 genera, 34 species)
 Subfamily **Myolaiminae** Goodey, 1963 * (7 genera, 34 species)
 Tribe **Myolaimini** Goodey, 1963 *
 Subtribe **Myolaiminii** Goodey, 1963 *
 Genus *Cuticularia* Van-Der-Linde, 1938 (6 species)²³³
 Genus *Daubaylia* Chitwood & Chitwood, 1934 (9 species)
 Genus *Deleyia* Holovachov & Bostrom, 2006 (2 species)
 Genus *Myolaimus* Cobb, 1920 (9 species)
 Species *ibericus* Abolafia & Pena-Santiago, 2017
 Species *mycophilus* Slos & Bert in Slos, Couvreur & Bert, 2018
 Genus *Peplorhabditis* Ivanova, 1960 (1 species)²³⁴

230 On morphological evidence the family has been placed as unresolved in Rhabditia (Lorenzen 1994). On molecular evidence, the family has been unresolved within Diplogasterida (De Ley & Blaxter 2004). More research is clearly needed to place the few species in the monogeneric family, superfamily and suborder into anything other than a separate suborder under Diplogasterida, equivalent in rank to Myolaimina (Goodey 1963).

231 Following Abolafia & Pena-Santiago (2014).

232 Affinities with Diplogasterida were suggested by most molecular analyses (De Ley & Blaxter 2004, Holterman *et al.* 2006, Meldal *et al.* 2007), except where Myolaimidae was unresolved in the latest molecular analysis (Baerman *et al.* 2009, Slos *et al.* 2018, Van Megen *et al.* 2009). Morphologically, affinities with Rhabditida have been suggested also (Goodey 1963).

233 Assigned to Myolaimidae rather than Rhabditidae following the discussion of Sudhaus (2011). Synonymized with *Poikilolaimus* on the basis that monotypic genera are cladistically uninformative by Sudhaus (2011). This is rejected because of the morphological novelty of the genus, and because other species may be found subsequently.

234 Assigned to Myolaimidae rather than Rhabditidae following the discussion of Sudhaus (2011). Synonymized with *Poikilolaimus* on the basis that monotypic genera are cladistically uninformative by Sudhaus (2011). This is rejected because of the morphological novelty of the genus, and because other species may be found subsequently.

- Genus *Praeputirhabditis* Khera, 1969 (1 species)²³⁵
 Genus *Poikilolaimus* Fuchs, 1930 (6 species)
- Superfamily **Carabonematoidea** Stammer & Wachek (Hodda, 2007) (1 family, 1 subfamily, 1 genus, 1 species)
 Family **Carabonematidae** Stammer & Wachek, 1952 (1 subfamily, 1 genus, 1 species)²³⁶
 Subfamily **Carabonematinae** Stammer & Wachek * (1 genus, 1 species)
 Tribe **Carabonematini** Stammer & Wachek *
 Subtribe **Carabonematinii** Stammer & Wachek, 1952 *
 Genus *Carabonema* Stammer & Wachek, 1952 (1 species)
- Suborder **Diplogasterina** Paramonov, 1952 (1 superfamily, 6 families, 10 subfamilies, 56 genera, 483 species)²³⁷
 Superfamily **Diplogasteroidea** Micoletzky, 1922 (Goodey, 1963) (6 families, 10 subfamilies, 56 genera, 483 species)
- Family **Cephalobiidae** Travassos & Kloss, 1960a (2 subfamilies, 7 genera, 41 species)
 Subfamily **Cephalobiinae** Travassos & Kloss, 1960a (6 genera, 39 species)
 Tribe **Cephalobiini** Travassos & Kloss, 1960a *
 Subtribe **Cephalobiinii** Travassos & Kloss, 1960a *
 Genus *Cephalobium* Cobb, 1920 (13 species)
 Genus *Gynopoecilia* Chabaud, Golvan, Bain & Brygoo, 1965 (1 species)
 Genus *Hugodiplogaster* Morand & Barker, 1995 (1 species)
 Genus *Parasitodiplogaster* Poinar, 1979 (20 species)
 Species *australis* Davies, Ye, Giblin-Davis & Thomas, 2009
 Species *doliostoma* Kanzaki, Giblin-Davis, Davies & Center, 2012
 Species *religiosae* Zeng, Zeng, Zhang, Ye, Cheng, Kanzaki & Giblin-Davis, 2018
 Species *salicifoliae* Woehr, Greeff, Kanzaki & Giblin-Davis, 2015
 Genus *Sachsia* Meyl, 1960 (3 species)
 Species *postpapillata* Mumtaz & Ahmad, 2019
 Genus *Syconema* Poinar, 2011 (1 species)²³⁸
 Species *dominicana* Poinar, 2011
- Subfamily **Mehdinematinae** Farooqui, 1967 * (1 genus, 2 species)²³⁹
 Tribe **Mehdinematini** Farooqui, 1967 *
 Subtribe **Mehdinematinii** Farooqui, 1967 *
 Genus *Mehdinema* Farooqui, 1967 (2 species)
- Family **Diplogasteroididae** Paramonov, 1952 (1 subfamily, 3 genera, 52 species)
 Subfamily **Diplogasteroidinae** Paramonov, 1952 * (3 genera, 52 species)
 Tribe **Diplogasteroidini** Paramonov, 1952 *
 Subtribe **Diplogasteroidinii** Paramonov, 1952 *
 Genus *Diplogasteroides* De-Man, 1912 (37 species)
 Species *asiaticus* Kanzaki, Woodruff, Akiba & Maehara, 2015
 Species *luxoriosae* Kanzaki & Ide, 2016
 Species *nix* Kanzaki, Sakamoto & Maehara, 2016
 Species *rugaoensis* Zhou, Su & Zhang, 2017
 Genus *Goffartia* Hirschmann, 1952 (7 species)

235 Assigned to Myolaimidae rather than Rhabditidae following the discussion of Sudhaus (2011).

236 Molecular evidence of phylogeny of Carabonematidae is lacking (De Ley & Blaxter 2004, Van Megen *et al.* 2009). The position of the family is either unresolved within Rhabditina on morphological evidence (Stammer & Wachek 1952) or within Myolaimina (Inglis 1983). The family contains few, poorly-known species, and more investigation required.

237 There is controversy over the correct rendering of names based on the genus name *Diplogaster*, resting on formation of Latin adjectives and the form of nouns (Sudhaus & von Lieven 2003). The original use as a suborder was the form “Diplogasterata n. subord” (Paramonov 1952). Here, the most frequently used form is adopted. The position of the (well-defined) suborder was unresolved within Rhabditica on molecular evidence (Holterman *et al.* 2006, Meldal *et al.* 2007, Van Megen *et al.* 2009), but sometimes placed within Rhabditida (De Ley & Blaxter 2004). A separate clade of equal rank to Rhabditina and Tylenchina on morphological evidence (Lorenzen 1994).

238 Fossil, Dominican amber.

239 Created as a Family by Farooqui (1967).

- Species *phalacra* Singh, Yousuf, Kumar & Ahmad, 2014
 Genus *Rhabditoides* Rahm, 1928 (8 species)
 Species *aegus* Kanzaki, Kajimura & Okabe, 2016
 Family **Diplogasteridae** Micoletzky, 1922 (Steiner, 1929) (4 subfamilies, 40 genera, 356 species)
 Subfamily **Diplogasterinae** Micoletzky, 1922 (32 genera, 318 species)
 Tribe **Diplogasterini** Micoletzky, 1922 *
 Subtribe **Diplogasterinii** Micoletzky, 1922 *
 Genus *Acrostichus* Rahm, 1928 (36 species)
 Species *floridensis* Kanzaki, Giblin-Davis, Gonzalez & Manzoor, 2017
 Species *medius* Tahseen, Ahlawat, Asif & Mustaqim, 2016
 Species *musai* (Yousuf, Mahamood & Ahmad, 2016) n. comb. ²⁴⁰
 syn *Pseudacrostichus musai* Yousuf, Mahamood & Ahmad, 2016
 Species *palmarum* Kanzaki & Giblin-Davis, 2018
 Genus *Allodiplogaster* Paramonov & Sobolev in Skrjabin, Shikobalova, Sobolev,
 Paramonov & Sudarikov, 1954 (34 species) ²⁴¹
 Species *media* Gusakov & Gagarin, 2016
 Genus *Anchidiplogaster* Paramonov, 1952 (1 species) ²⁴²
 Genus *Apifilaria* Poinar, 2011 (1 species) ²⁴³
 Species *proplebiae* Poinar, 2011
 Genus *Chilonema* Poinar, 2011 (1 species) ²⁴⁴
 Species *filaforma* Poinar, 2011
 Genus *Costanemella* Andrassy, 2001 (1 species)
 Genus *Cretodiplogaster* Poinar, 2011 (1 species) ²⁴⁵
 Species *termitophilus* Poinar, 2011
 Genus *Demaniella* Steiner, 1914 (6 species)
 Genus *Diplogaster* Schultze in Carus, 1857 (7 species)
 Genus *Diplogasteriana* Meyl, 1960 (1 species)
 Genus *Diplogastrellus* Paramonov, 1952 (2 species)
 syn *Indocephalobus* Garden, 2014 (Abolafia & Pena-Santiago, 2018a)
 Species *gracilis* (Butschli, 1876) Paramonov, 1952
 syn *Indocephalobus zebrae* Garden, 2014 (Abolafia & Pena-Santiago, 2018a)
 Species *latigubernacula* Mahamood, Li, Keshari & Liang, 2015
 Genus *Diplonema* Poinar, 2011 (1 species) ²⁴⁶
 Species *minuta* Poinar, 2011
 Genus *Fictor* Paramonov, 1952 (20 species)
 Species *longicauda* Gazala & Mahamood, 2017
 Species *suptilis* Gazala & Mahamood, 2017
 Genus *Filoterme* Poinar, 2011 (1 species) ²⁴⁷
 Species *minutus* Poinar, 2011
 Genus *Formicodiplogaster* Poinar, 2011 (1 species) ²⁴⁸

240 The proposed diagnostic characters of cuticular annulation, stomal tooth structure, stoma shape, lack of vaginal pouches, offset spermatheca, and tip of the gubernaculum are normally species-level characters and insufficient to justify a new genus.

241 Synonymized with *Koerneria* on morphological evidence by Sudhaus & Furst von Lieven (2003), but reinstated on molecular and morphological grounds by Kanzaki Ragsdale & Giblin-Davis (2014).

242 Synonymized with *Koerneria* on morphological evidence by Sudhaus & Furst von Lieven (2003), but reinstated on molecular and morphological grounds by Kanzaki Ragsdale & Giblin-Davis (2014).

243 Fossil, Dominican amber.

244 Fossil, Dominican amber.

245 Fossil, Dominican amber.

246 Fossil, Dominican amber.

247 Fossil, Dominican amber.

248 Fossil.

- Species *myrmenema* Poinar, 2011
- Genus *Gubalonus* Siddiqi, 2014 (1 species)
- Species *mirus* Siddiqi, 2014
- Genus *Koerneria* Meyl, 1960 (8 species)
- Species *falcespicula* Ahlawat & Tahseen, 2015
- Genus *Leptojacobus* Kanzaki, Ragsdale, Susoy & Sommer, 2014 (1 species)
- Species *dorci* Kanzaki, Ragsdale, Susoy & Sommer, 2014
- Genus *Levipalatum* Ragsdale, Kanzaki & Sommer, 2014 (1 species)
- Species *texanum* Ragsdale, Kanzaki & Sommer, 2014
- Genus *Micoletzkyia* Weingaertner, 1955 (23 species)
- Genus *Mononchoides* Rahm, 1928 (50 species)
- Species *latigubernaculum* Yousuf, Mahamood, Mumtaz & Ahmad, 2014
- Species *macrospiculum* Troccoli, Oreste, Tarasco, Fanelli & De-Luca, 2015
- Species *tenuispiculum* Yousuf, Mahamood, Mumtaz & Ahmad, 2014
- Genus *Oigolaimella* Paramonov, 1952 (7 species)
- Species *brevigubernacula* Yousuf, Sabir & Mahamood, 2017
- Genus *Oligodiplogaster* Poinar, 1977 (1 species)²⁴⁹
- Genus *Palaeodiplogaster* Poinar, 2011 (1 species)²⁵⁰
- Species *bretiphila* Poinar, 2011
- Genus *Paroigolaimella* Paramonov, 1952 (12 species)
- Species *helalii* Tahseen, Ahlawat & Mustaqim, 2015
- Genus *Peterngus* Ahmad, Ahmad & Mahamood, 2004 (1 species)
- Genus *Pristionchus* Kreis, 1932 (79 species)
- Species *americanus* Herrmann, Kanzaki, Ragsdale & Sommer, 2017
- Species *bulgaricus* Kanzaki, Ragsdale, Herrmann & Sommer, 2014
- Species *degrawal* Kanzaki, Herrmann, Yoshida, Weiler, Roedelsperger & Sommer, 2018
- Species *entamophilus* Li, Dai, Bao, Chen, Gao, Wang, Wang, Wang, Yedid & Zhang, 2015
- Species *fukushimae* Ragsdale, Kanzaki, Roeseler, Herrmann & Sommer, 2013
- Species *hongkongensis* Kanzaki, Herrmann, Yoshida, Weiler, Roedelsperger & Sommer, 2018
- Species *hoplostomus* Ragsdale, Kanzaki, Roeseler, Herrmann & Sommer, 2013
- Species *kurasawai* Kanzaki, Herrmann, Yoshida, Weiler, Roedelsperger & Sommer, 2018
- Species *laevicollis* Kanzaki, Herrmann, Yoshida, Weiler, Roedelsperger & Sommer, 2018
- Species *lucani* Kanzaki, Ragsdale, Herrmann & Sommer, 2014
- Species *macrospiculum* (Altherr, 1938) Kanzaki, Ragsdale & Giblin-Davis, 2014
syn *Anchidiplogaster macrospiculum* Altherr, 1938 (Kanzaki, Ragsdale & Giblin-Davis, 2014)
- Species *marianneae* Herrmann, Kanzaki, Ragsdale & Sommer, 2017
- Species *neolucani* Kanzaki, Herrmann, Yoshida, Weiler, Roedelsperger & Sommer, 2018
- Species *occultus* Herrmann, Weiler, Roedelsperger, Kanzaki & Sommer, 2016
- Species *pauli* Herrmann, Kanzaki, Ragsdale & Sommer, 2017
- Species *paulseni* Herrmann, Kanzaki, Weiler, Yoshida, Roedelsperger & Sommer, 2019
- Species *pseudaerivorus* Herrmann, Kanzaki, Ragsdale & Sommer, 2017
- Species *riukiariae* Kanzaki, Herrmann, Yoshida, Weiler, Roedelsperger & Sommer,

249 Fossil.

250 Fossil, Dominican amber.

2018

Species *sikae* Yoshida, Herrmann, Kanzaki, Weiler, Rodelsperger & Sommer, 2018

Species *stercoraris* Yousuf & Mahamood, 2017

Species *taiwanensis* Herrmann, Weiler, Roedelsperger, Kanzaki & Sommer,
2016

Species *triformis* Ragsdale, Natsumi, Roeseler, Hermann & Sommer, 2013

Species *yamagatae* Herrmann, Kanzaki, Weiler, Yoshida, Roedelsperger &
Sommer, 2019

Genus *Scarabinema* Poinar, 2011 (1 species)²⁵¹

Species *minuta* Poinar, 2011

Genus *Scolytonema* Poinar, 2011 (3 species)²⁵²

Species *dominicana* Poinar, 2011

Species *hispaniolae* Poinar, 2011

Species *mexicana* Poinar, 2011

Genus *Sudhausia* Hermann Ragsdale, Kanzaki & Sommer, 2013 (8 species)

Species *aristotokia* Hermann, Ragsdale, Kanzaki & Sommer, 2013

Species *crassa* Hermann, Ragsdale, Kanzaki & Sommer, 2013

Species *floridensis* Kanzaki, Giblin-Davis, Gonzalez, Wood & Kaufman, 2017

Genus *Teratodiplogaster* Kanzaki, Giblin-Davis, Davies, Ye, Center & Thomas, 2009
(6 species)²⁵³

Species *variegatae* Kanzaki, Woodruff & Tanaka, 2014

Species *fignewmani* Kanzaki, Giblin-Davis, Davies, Ye, Center & Thomas, 2009

Species *martini* Kanzaki, Giblin-Davis, Davies & Center, 2012

Genus *Virenodiplogaster* Bajaj, 2016 (1 species)

Species *dentatus* Bajaj, 2016

Subfamily **Cylindrocorporinae** Goodey, 1936 (T. Goodey, 1939) (4 genera, 28 species)^{254 255}

Tribe **Cylindrocorporini** Goodey, 1936 *

Subtribe **Cylindrocorporinii** Goodey, 1936 *

Genus *Ceratosolenus* Rajeswari Anand, 2005 (2 species)²⁵⁶

Genus *Longibucca* Chitwood, 1933 (3 species)

Genus *Protocylindrocorpus* Poinar, Pereira-da-Silva & Hector-Flechtmann, 2014 (1
species)

Species *brasiliensis* Poinar, Pereira-da-Silva & Hector-Flechtmann, 2014

Genus *Rhabditolaimus* Fuchs, 1914 (22 species)

syn *Diplogasteroides* (*Neodiplogasteroides*) De-Man, 1912 (Ruehm in Koerner, 1954)

syn *Myctolaimus* Cobb, 1920 (Susoy & Hermann, 2012)

syn *Cylindrogaster* T. Goodey, 1927 (Susoy & Hermann, 2012) (nec *Cylindrogaster* Stal,
1855)

syn *Goodeyus* Chitwood, 1933 (Susoy & Hermann, 2012)

syn *Cylindrocorpus* T. Goodey, 1939 (Susoy & Hermann, 2012)

syn *Protocylindrocorpus* Ruehm, 1959 (Susoy & Hermann, 2012)

251 Fossil, Dominican amber.

252 Fossil, Dominican and Mexican amber.

253 A valid genus according to Kanzaki Woodruff & Tanaka (2014), although poorly differentiated from *Parasitodiplogaster* and *Koernereria*.

254 Created as a family by Goodey (1936).

255 Included in Rhabditida by Hodda (2007), placed in Diplogasterida on molecular evidence (Van Megen *et al.* 2009), the evidence for morphological placement has long been in doubt.

256 Both species in this genus were described by Anand (2005, 2006), and both were found in association with fig wasps. The pharynx morphology and shape of the gymnostom suggest they may be in the enlarged genus *Rhabditolaimus*, but Susoy & Hermann (2012) could not unambiguously place them there, treating them instead as species incertae sedis pending further study. The differences are here regarded as sufficient to provisionally accept generic status.

syn *Dirhabdilaimus* Paramonov & Turlygina, 1955 (Susoy & Herrmann, 2012)
 syn *Neodiplogasteroides* Ruehm in Koerner, 1954 (Meyl, 1960)
 syn *Myctolaimellus* Andrassy, 1984 (Susoy & Herrmann, 2012)
 Species *anoplophorae* (Kanzaki & Futai, 2004) (Susoy & Herrmann, 2012)
 syn *Cylindrocorpus anoplophorae* Kanzaki & Futai, 2004 (Susoy & Herrmann, 2012)
 syn *Myctolaimus anoplophorae* (Kanzaki & Futai, 2004) Kanzaki, Kobayashi, Nozaki & Futai, 2006
 Species *carolinensis* (Massey, 1967) Susoy & Herrmann, 2012
 syn *Dirhabdilaimus carolinensis* Massey, 1967 (Susoy & Herrmann, 2012)
 syn *Diplogasteroides carolinensis* (Massey, 1967) Sudhaus & Furst-Von-Lieven, 2003
 Species *curzii* (Goodey, 1935) Susoy & Herrmann, 2012
 syn *Cylindrogaster curzii* Goodey, 1935 (Susoy & Herrmann, 2012)
 syn *Myctolaimus curzii* (Goodey, 1935) Andrassy, 1984
 Species *dendrophilus* (Kinn, 1984) Susoy & Herrmann, 2012
 syn *Protocylindrocorpus dendrophilus* Kinn, 1984 (Susoy & Herrmann, 2012)
 syn *Myctolaimus dendrophilus* Kinn, 1984 (Sudhaus & Furst-Von-Lieven, 2003)
 Species *erectus* (Massey, 1960) Susoy & Herrmann, 2012
 syn *Cylindrocorpus erectus* Massey, 1960 (Susoy & Herrmann, 2012)
 syn *Myctolaimus erectus* Massey, 1960 (Andrassy, 1984)
 Species *goodeyi* (Ruehm, 1959) Susoy & Herrmann, 2012
 syn *goodeyi* Ruehm, 1959 (Susoy & Herrmann, 2012)
 syn *Cylindrocorpus (Protocylindrocorpus) goodeyi* Ruehm, 1959
 syn *Goodeyus goodeyi* (Ruehm, 1959) J.B. Goodey, 1963
 syn *Protocylindrocorpus goodeyi* Ruehm, 1959 (Paramonov, 1964)
 syn *Myctolaimus goodeyi* (Ruehm, 1959) Sudhaus & Furst-Von-Lieven, 2003
 Species *inevectus* (Poinar Jackson Bell & Wahid, 2003) Susoy & Herrmann, 2012
 syn *Cylindrocorpus inevectus* Poinar, Jackson, Bell & Wahid, 2003 (Susoy & Herrmann, 2012)
 syn *Myctolaimus inevectus* (Poinar, Jackson, Bell & Wahid, 2003) Kanzaki, Kobayashi, Nozaki & Futai, 2006
 Species *kishtwarensis* (Hussain, Tahseen, Khan & Jairajpuri, 2004) Susoy & Herrmann, 2012
 syn *Myctolaimus kishtwarensis* Hussain, Tahseen, Khan & Jairajpuri, 2004 (Susoy & Herrmann, 2012)
 Species *leuckarti* Fuchs, 1914
 Species *macrolaimus* (A. Schneider, 1866) Susoy & Herrmann, 2012
 syn *Leptodera macrolaimus* A. Schneider, 1866 (Susoy & Herrmann, 2012)
 syn *Rhabditis macrolaimus* (A. Schneider, 1866) Oerley, 1880
 syn *Cylindrogaster macrolaimus* (A. Schneider, 1866) Chitwood, 1933
 syn *Cylindrocorpus macrolaimus* (A. Schneider, 1866) Goodey, 1939
 syn *Myctolaimus macrolaimus* (A. Schneider, 1866) Andrassy, 1984
 Species *nacogdochensis* (Massey, 1974) Susoy & Herrmann, 2012
 syn *Dirhabdilaimus nacogdochensis* Massey, 1974 (Susoy & Herrmann, 2012)
 syn *Diplogasteroides nacogdochensis* (Massey, 1974) Sudhaus & Furst-Von-Lieven, 2003
 Species *neolongistoma* (Hussain, Tahseen, Khan & Jairajpuri, 2004) Susoy & Herrmann, 2012
 syn *Myctolaimus neolongistoma* Hussain, Tahseen, Khan & Jairajpuri, 2004 (Susoy & Herrmann, 2012)
 Species *pellucidus* (Cobb, 1920) Susoy & Herrmann, 2012

- syn *Myctolaimus pellucidus* Cobb, 1920 (Susoy & Herrmann, 2012)
 Species *picei* (Fuchs, 1931) Susoy & Herrmann, 2012
 syn *Diplogasteroides* (*Neodiplogasteroides*) *picei* (Fuchs, 1931) Ruehm, 1956
 syn *Neodiplogasteroides picei* (Fuchs, 1931) Ruehm, 1956 (Meyl, 1960)
 syn *Dirhabdilaimus picei* (Fuchs, 1931) Baker, 1962
 syn *Diplogasteroides picei* (Fuchs, 1931) Sudhaus & Furst-Von-Lieven, 2003
 Species *pini* Fuchs, 1931
 syn *Dirhabdilaimus pini* (Fuchs, 1931) Paramonov & Turlygina, 1955
 syn *Diplogasteroides pini* (Fuchs, 1931) Sudhaus & Furst-Von-Lieven, 2003
 Species *platypi* (Kanzaki Kobayashi Nozaki & Futai) Susoy & Herrmann, 2012
 syn *Myctolaimus platypi* Kanzaki Kobayashi Nozaki & Futai (Susoy & Herrmann, 2012)
 Species *rifflei* (Massey & Hinds, 1970) Susoy & Herrmann, 2012
 syn *Cylindrocorpus rifflei* Massey & Hinds, 1970 (Susoy & Herrmann, 2012)
 syn *Myctolaimus rifflei* (Massey & Hinds, 1970) Andrassy, 1984
 Species *robiniae* (Harman Winter & Harman, 2000) Susoy & Herrmann, 2012
 syn *Myctolaimellus robiniae* Harman Winter & Harman, 2000 (Susoy & Herrmann, 2012)
 syn *Myctolaimus robiniae* (Harman Winter & Harman, 2000) Sudhaus & Furst-Von-Lieven, 2003
 Species *ulmi* (Goodey, 1930) Susoy & Herrmann, 2012
 syn *Cylindrogaster ulmi* Goodey, 1930 (Susoy & Herrmann, 2012)
 syn *Myctolaimus ulmi* (T. Goodey, 1930) Sudhaus & Furst-Von-Lieven, 2003
 Species *vitautasi* (Korenchenko, 1975) Susoy & Herrmann, 2012
 syn *Cylindrocorpus vitautasi* Korenchenko, 1975 (Susoy & Herrmann, 2012)
 syn *Myctolaimus vitautasi* (Korenchenko, 1975) Sudhaus & Furst-Von-Lieven, 2003
 Species *walkeri* (Hunt, 1980) Susoy & Herrmann, 2012
 syn *Cylindrocorpus walkeri* Hunt, 1980 (Susoy & Herrmann, 2012)
 syn *Myctolaimellus walkeri* (Hunt, 1980) Andrassy, 1984
 syn *Myctolaimus walkeri* (Hunt, 1980) Sudhaus & Furst-Von-Lieven, 2003
 Species *zamithi* (Lordello in Andrassy, 1984) Susoy & Herrmann, 2012
 syn *Myctolaimus zamithi* Lordello in Andrassy, 1984 (Susoy & Herrmann, 2012)
- Subfamily **Medibullinae** Siddiqi, 1993 (2 genera, 6 species)
 syn Shahnematinae Siddiqi, 2014 (Abolafia & Pena-Santiago, 2018a)²⁵⁷
 Tribe **Medibullini** Siddiqi, 1993 *
 Subtribe **Medibullinii** Siddiqi, 1993 *
 Genus *Medibulla* Siddiqi, 1993 (2 species)
 Genus *Shahnema* Siddiqi, 2014 (4 species)
 Species *typicum* Siddiqi, 2014
 Species *cabii* Siddiqi, 2014
- Subfamily **Titilleinae** Siddiqi, 2014 (2 genera, 4 species)
 Tribe **Titilleini** Siddiqi, 2014 *
 Subtribe **Titilleinii** Siddiqi, 2014 *
 Genus *Diplogasteritus* Paramonov, 1952 (3 species)
 Genus *Titilleus* Siddiqi, 2014 (1 species)
 Species *shahinae* Siddiqi, 2014
- Family **Neodiplogasteridae** Paramonov, 1952 (Andrassy, 1984) (1 subfamily, 2 genera, 12 species)
 Subfamily **Neodiplogasterinae** Paramonov, 1952 (2 genera, 12 species)
 Tribe **Neodiplogasterini** Paramonov, 1952 *
 Subtribe **Neodiplogasterinii** Paramonov, 1952 *

257 Created as family Shahnematidae Siddiqi (2014).

- Genus *Heteropleuronema* Andrassy, 1970 (1 species)
 Genus *Neodiplogaster* Cobb, 1924 (11 species)
 Species *unguispicata*, Couvreur & Bert, 2018
 Family **Pseudodiplogasteroididae** Koerner, 1954 (De-Ley & Blaxter, 2002) (1 subfamily, 2 genera, 19 species)²⁵⁸
 Subfamily **Pseudodiplogasteroidinae** Koerner, 1954 * (2 genera, 19 species)
 Tribe **Pseudodiplogasteroidini** Koerner, 1954 *
 Subtribe **Pseudodiplogasteroidinii** Koerner, 1954 *
 Genus *Butlerius* Goodey, 1929 (17 species)²⁵⁹
 Species *sclerovaginus* Ahlawat & Tahseen, 2015
 Genus *Pseudodiplogasteroides* Koerner, 1954 (2 species)
 Family **Tylopharyngidae** Filipjev, 1934 * n. rank. (1 subfamily, 2 genera, 3 species)
 Subfamily **Tylopharynginae** Filipjev, 1934 (2 genera, 3 species)
 Tribe **Tylopharyngini** Filipjev, 1934 *
 Subtribe **Tylopharynginii** Filipjev, 1934 *
 Genus *Aenigmenchus* De-Ley, Coomans & Geraert, 1994 (1 species)
 Genus *Tylopharynx* De-Man, 1876 (2 species)
 Order **Rhabditida** Chitwood, 1933 (6 suborders, 10 superfamilies, 23 families, 45 subfamilies, 552 genera, 4105 species)²⁶⁰
 Suborder **Brevibuccina** Hodda, 2007 (1 superfamily, 1 family, 1 subfamily, 3 genera, 5 species)²⁶¹
 Superfamily **Brevibuccoidea** Paramonov, 1956 (Hodda, 2007) (1 family, 1 subfamily, 3 genera, 5 species)
 Family **Brevibuccidae** Paramonov, 1956 (Goodey, 1963) (1 subfamily, 3 genera, 5 species)²⁶²
 Subfamily **Brevibuccinae** Paramonov, 1956 (3 genera, 5 species)
 Tribe **Brevibuccini** Paramonov, 1956 *
 Subtribe **Brevibuccinii** Paramonov, 1956 *
 Genus *Brevibucca* Goodey, 1935 (3 species)
 Genus *Cuticonema* Sanwal, 1959 (1 species)
 Genus *Tarantobelus* Abolafia & Pena-Santiago, 2018b (1 species)
 Species *arachnicida* Abolafia & Pena-Santiago, 2018b
 Suborder **Bunonematina** Siddiqi, 1980 (2 superfamilies, 3 families, 3 subfamilies, 9 genera, 54 species)²⁶³
 Superfamily **Bunonematoidea** Micoletzky, 1922 (Andrassy, 1971) (2 families, 2 subfamilies, 8 genera, 52 species)
 Family **Bunonematidae** Micoletzky, 1922 (Paramonov, 1956) (1 subfamily, 7 genera, 46 species)
 Subfamily **Bunonematinae** Micoletzky, 1922 (7 genera, 46 species)
 Tribe **Bunonematini** Micoletzky, 1922 *
 Subtribe **Bunonematinii** Micoletzky, 1922 *
 Genus *Aspidonema* Sachs, 1949 (7 species)
 Species *formosa* Tahseen, Khan & Ahlawat, 2016

258 Created as a subfamily by Koerner (1954).

259 Placed in Pseudodiplogasteroididae on the basis of molecular evidence (Shokoohi *et al.* 2015).

260 Spermatogenesis and development provide evidence for the separation of Spirurida, Rhabditida and Panagrolaimida (Yushin & Malakhov 2004, Schierenberg & Lahl 2004).

261 On morphological evidence the family has been placed as unresolved in Rhabditida (Lorenzen 1994). On molecular evidence, the family has been unresolved within Rhabditida (De Ley & Blaxter 2004, Holterman *et al.* 2006, Meldal *et al.* 2007, Van Megen *et al.* 2009). In all cases a resolution between Rhabditina and Diplogasterina has not been possible. Hence regarded as a separate suborder.

262 Created as a subfamily by Paramonov (1956).

263 Diplogastrina [*sic*] and *Bunonema* have been regarded as closely related on the basis of five morphological synapomorphies: mainly related to fine structure of buccal cavity, but also genital papillae (Von Lieven & Sudhaus 2000). It is unclear what group(s) these characters are synapomorphies of: potentially they could be synapomorphies of Rhabditica, in which case these characters would not conflict with the molecular evidence placing *Bunonema* in Rhabditida (Holterman *et al.* 2006), but the affinities of Bunonematidae are unresolved in other analyses (Van Megen *et al.* 2009). Placed in Rhabditida on the basis of morphological similarity (De Ley *et al.* 2006, Goodey 1963, Hodda 2007), but as a separate suborder.

- Genus *Bunonema* Jaegerskioeld, 1905 (19 species)
 Subgenus *Bunonema* Jagerskioeld, 1905 (16 species)
 Subgenus *Serronema* Paesler, 1957 (3 species)
 Species *longispiculum* Shah & Vaid, 2017
 Genus *Craspedonema* Richters, 1908 (3 species)
 Genus *Rhodolaimus* Fuchs, 1930 (13 species)
 Genus *Rhodonema* Andrassy, 1983 (2 species)
 Genus *Sachsium* Andrassy, 1971 (1 species)
 Genus *Stammeria* Sachs, 1949 (1 species)
- Family **Pterygorhabditidae** Goodey, 1963 (Andrassy, 1971) (1 subfamily, 1 genus, 6 species)
 Subfamily **Pterygorhabditinae** Goodey, 1963 (1 genus, 6 species)
 Tribe **Pterygorhabditini** Goodey, 1963 *
 Subtribe **Pterygorhabditinii** Goodey, 1963 *
 Genus *Pterygorhabditis* Timm, 1957 (6 species)
 Species *punctata* Tahseen, Khan & Ahlawat, 2016
- Superfamily **Odontopharyngoidea** Micoletzky, 1922 (1 family, 1 subfamily, 1 genus, 2 species)
 Family **Odontopharyngidae** Micoletzky, 1922 (Filipjev & Schuurmans-Stekhoven, 1941) (1 subfamily, 1 genus, 2 species)²⁶⁴
 Subfamily **Odontopharynginae** Micoletzky, 1922 * (1 genus, 2 species)
 Tribe **Odontopharyngini** Micoletzky, 1922 *
 Subtribe **Odontopharynginii** Micoletzky, 1922 *
 Genus *Odontopharynx* De-Man, 1912 (2 species)
- Suborder **Peloderina** Hodda, 2007 (2 superfamilies, 8 families, 9 subfamilies, 31 genera, 269 species)
 Superfamily **Ablechroiuloidea** Hodda, 2007 (3 families, 3 subfamilies, 7 genera, 38 species)²⁶⁵
 Family **Ablechroiulidae** Hodda, 2007 (1 subfamily, 1 genus, 14 species)
 Subfamily **Ablechroiulinae** Hodda, 2007 * (1 genus, 14 species)
 Tribe **Ablechroiulini** Hodda, 2007 *
 Subtribe **Ablechroiulinii** Hodda, 2007 *
 Genus *Ablechroiulus* Andrassy, 1966 (14 species)
- Family **Choriorhabditidae** n. fam. (1 subfamily, 3 genera, 7 species)²⁶⁶
 Subfamily **Choriorhabditinae** n. subfam. * (3 genera, 7 species)

264 A subfamily according to Filipjev & Schuurmans Stekhoven (1941).

265 A separate superfamily pending resolution of affinities, which are currently unresolved on morphological or molecular evidence (Andrassy 1974, Meldal *et al.* 2007). Includes the genus *Rhabditoides* (Andrassy 1976), and clearly within Rhabditida (Andrassy 1976, De Ley *et al.* 2006, Hodda 2007). Andrassy (1976) originally proposed subfamily Ablechroiulinae to include the genera *Ablechroiulus* and *Rhabditoides* Goodey 1929, both genera having in common the possession of bundles of cirri-like bristles on lip region, among other features. Sudhaus & Fitch (2001) provided an updated classification of Rhabditidae Oerley 1980, but maintained on the basis of morphological and molecular data that *Ablechroiulus* was a junior synonym of *Rhabditis* (*Rhabditis*), one of the 15 subgenera in which Sudhaus (1976) subdivided the genus. Andrassy (1976, 1983, 1984, 2005) did not accept Sudhaus' scheme. Molecular phylogenies showed that one species of *Ablechroiulus* (*A. dudichi* or *Choriorhabditis dudichi* in Sudhaus' scheme), is not distinctly clustered with other representatives of the subgenus *Rhabditis*. This result was also obtained by Holterman *et al.* (2006). Kiontke & Fitch (2005) included three *Ablechroiulus* species in their molecular study (*A. brassicae*, *A. cristatus* and *A. dudichi*): *A. brassicae* clustered with *Rhabditis* species and the other two formed a clade at the base of the Eurhabditis group. The genus was re-examined by Abolafia & Pena Santiago (2009, 2011), who briefly discussed the identity of *Ablechroiulus*, and characterized it mainly on the basis of the presence of short labial setae, classifying it under the subfamily Rhabditinae Oerley, 1880, and regarding Ablechroiulinae Andrassy, 1976 as a junior synonym of that taxon. Sudhaus (2011) suggested *Choriorhabditis*, *Discoditis*, *Paradoxorhabditis* and the synonymized *Amplirhabditis* formed a monophyletic group with *Ablechroiulus* which was synonymized with *Choriorhabditis*. In view of the highly unresolved position of the group, either morphologically or molecularly, it is here regarded as a separate clade. The cirri-like bristles are a unique apomorphy.

266 Type genus is *Choriorhabditis* (Osche 1952). Diagnostic features are: lips with tufts of bristles; wall of gymnostome reinforced; GP2 & GP3 close together; and GP5 & GP6 close together. Lips without bristle tufts; wall of gymnostome normal; and GP 2/3 and 5/6 spaced in other families. Otherwise with the features of the superfamily.

- Tribe **Choriorhabditini** n. tribe *
- Subtribe **Choriorhabditinii** n. subtribe *
- Genus *Choriorhabditis* Osche, 1952 (4 species)
- Genus *Discoditis* Andrassy, 1983 (2 species)
- Genus *Paradoxorhabditis* Khera, 1971 (1 species)
- Family **Rhabditoididae** n. fam. (1 subfamily, 3 genera, 17 species)²⁶⁷
- Subfamily **Rhabditoididae** n. subfam. * (3 genera, 17 species)
- Tribe **Rhabditoidini** n. tribe *
- Subtribe **Rhabditoidinii** n. subtribe *
- Genus *Rhabditoides* Goodey, 1929 (9 species)
- Species *humicolus* Kanzaki & Giblin-Davis, 2015
- Genus *Rhitilla* Andrassy, 2007 (1 species)
- Genus *Rhitis* Andrassy, 1983 (7 species)
- Superfamily **Mesorhabditoidea** Andrassy, 1976 (De-Ley & Blaxter, 2002) (5 families, 6 subfamilies, 24 genera, 231 species)
- Family **Haematozoonidae** n. fam. (1 genus, 2 species)²⁶⁸
- Subfamily **Haematozooninae** n. subfam. *
- Tribe **Haematozoonini** n. tribe *
- Subtribe **Haematozooninii** n. subtribe *
- Genus *Haematozoon* Leisering, 1865 (2 species)
- Family **Mesorhabditidae** Andrassy, 1976 (De-Ley & Blaxter, 2002) (2 subfamilies, 12 genera, 47 species)²⁶⁹
- Subfamily **Mesorhabditinae** Andrassy, 1976 (7 genera, 32 species)
- Tribe **Mesorhabditini** Andrassy, 1976 *
- Subtribe **Mesorhabditinii** Andrassy, 1976 *
- Genus *Bursilla* Andrassy, 1976 (8 species)
- Genus *Lesjan* Brzeski, 1985 (1 species)²⁷⁰
- Genus *Mesorhabditis* Osche, 1952 (19 species)
- Genus *Operculorhabditis* Khera, 1969 (1 species)²⁷¹
- Genus *Palaeorhabditis* Poinar, 2011 (1 species)²⁷²
- Species *balticus* Poinar, 2011
- Genus *Psocidonema* Poinar, 2011 (1 species)²⁷³
- Species *dominicana* Poinar, 2011
- Genus *Uniovaria* Khera, 1969 (1 species)²⁷⁴
- Subfamily **Crustorhabditinae** n. subfam. (5 genera, 15 species)²⁷⁵

267 Type genus is *Rhabditoides* T. Goodey 1929. Diagnostic features are: lips closed; glottis present; 3 denticles in each sector of stoma; and GP arranged radially. Lips open; glottis absent; less than 3 denticles; and GP not arranged radially in other families. Otherwise with the features of the superfamily.

268 A separate lineage associated with *Mesorhabditis* and *Pelodera* according to Sudhaus (2011). Type genus is *Haematozoon* Leisering 1865. Diagnostic features are: long narrow stoma with posterior cup-shaped; separate spicules; and radial GP. Stoma shorter with posterior not cup-shaped; spicules partially fused; and GP arranged otherwise in other families. Otherwise with the features of the superfamily.

269 Created as a subfamily by Andrassy (1976).

270 Synonymized with *Mesorhabditis* on the basis that monotypic genera are uninformative by Sudhaus (2011). This is rejected because of the morphological novelty of the genus, and because other species may be found subsequently.

271 Synonymized with *Mesorhabditis* on the basis that monotypic genera are uninformative by Sudhaus (2011). This is rejected because of the morphological novelty of the genus, and because other species may be found subsequently.

272 Fossil, Baltic amber.

273 Fossil, Dominican amber.

274 Synonymized with *Mesorhabditis* on the basis that monotypic genera are uninformative by Sudhaus (2011). This is rejected because of the morphological novelty of the genus, and because other species may be found subsequently.

275 Distinct from *Mesorhabditis* and related genera (Sudhaus 2011). Type genus is *Crustorhabditis* Sudhaus 1974. Diagnostic feature is: spicules fused for at least 1/3 of their length. Spicules fused less in other subfamilies. Otherwise with the features of the family.

- Tribe **Crustorhabditini** n. tribe *
- Subtribe **Crustorhabditinii** n. subtribe *
- Genus *Crustorhabditis* Sudhaus, 1974 (5 species)
- Genus *Marispelodera* Belogurov, 1977 (1 species)
- Genus *Distolabrellus* Anderson, 1983 (3 species)
- Genus *Teratorhabditis* Osche, 1952 (5 species)
- Genus *Tetrarhabditis* Osche, 1952 (1 species)
- Family **Peloderidae** Andrassy, 1976 (De-Ley & Blaxter, 2002) (1 subfamily, 3 genera, 26 species)
- Subfamily **Peloderidae** Andrassy, 1976 (3 genera, 26 species)
- Tribe **Peloderini** Andrassy, 1976 *
- Subtribe **Peloderinii** Andrassy, 1976 *
- Genus *Coarctadera* Dougherty, 1953 (9 species)
- Genus *Pelodera* Schneider, 1866 (16 species)
- Species *aligarhensis* Tahseen, Akram, Mustaqim & Ahlawat, 2014
- Species *scrofulata* Tahseen, Akram, Mustaqim & Ahlawat, 2014
- Genus *Rhomborhabditis* Andrassy, 1983 (1 species)
- Family **Parasitorhabditidae** Lazarevskaya, 1965 (Hodda, 2007) (1 subfamily, 1 genus, 43 species)²⁷⁶
- Subfamily **Parasitorhabditinae** Lazarevskaya, 1965 (1 genus, 43 species)
- Tribe **Parasitorhabditini** Lazarevskaya, 1965 *
- Subtribe **Parasitorhabditinii** Lazarevskaya, 1965 *
- Genus *Parasitorhabditis* Fuchs, 1937 (43 species)
- Family **Rhabdiasidae** Railliet, 1916 (1 subfamily, 7 genera, 113 species)²⁷⁷
- Subfamily **Rhabdiasinae** Railliet, 1916 * (7 genera, 113 species)
- Tribe **Rhabdiasini** Railliet, 1916 *
- Subtribe **Rhabdiasinii** Railliet, 1916 *
- Genus *Acanthorhabdias* Pereira, 1927 (1 species)
- Genus *Chabirenia* Lhermitte, Vallarino, Bain, Deharo, Bertani, Voza, Attout & Gaucher, 2005 (1 species)
- Genus *Entomelas* Travassos, 1930 (9 species)
- Species *moraveci* Bursey, Goldberg & Kraus, 2015
- Genus *Neoentomelas* Hasegawa, 1989 (1 species)
- Genus *Pneumonema* Johnston, 1916 (1 species)
- Genus *Rhabdias* Stiles & Hassall, 1905 (82 species)
- Species *bengalensis* Sou, Sow & Nandi, 2019
- Species *breviensis* Nascimento, Gocalves, Melo, Giese, Furtado & Santos, 2013
- Species *engelbrechti* Kuzmin, Halajian, Tavakol, Luus-Powell & Tkach, 2017
- Species *galactonoti* Kuzmin, Melo, Da-Silva-Filho & Dos-Santos, 2016
- Species *garhwalensis* Maity, Rizvi, Busey & Basu, 2018
- Species *glaurungi* Willkens, Rebelo, Santos, Furtado, Vilela, Tkach, Kuzmin & Melo, 2019
- Species *stomatica* Maity, Rizvi & Bursey, 2018
- Species *stenocoephala* Kuzmin, Melo, Da-Silva-Filho & Dos-Santos, 2016
- Species *sylvestris* (Baker, 1982) Tkach, Halajian & Kuzmin, 2014
- syn *Entomelas sylvestris* Baker, 1982 Tkach, Halajian & Kuzmin, 2014
- Genus *Serpentirhabdias* Tkach, Kuzmin & Snyder, 2014 (18 species)
- Species *atracti* Kuzmin, De-Vasconcelos-Melo & Dos-Santos, 2014
- Species *atroxi* Kuzmin, Giese, De-Vasconcelos, Francisco, Ferreira, Borges-da-Costa, Maschio & Dos-Santos, 2016

276 The genus *Parasitorhabditis* was previously placed in Rhabditidae, but it is unambiguously a separate clade associated with Peloderina on molecular evidence (Holterman *et al.* 2006, Meldal *et al.* 2007). According to Sudhaus (2011), related to *Pelodera*, but more closely related to *Mesorhabditis*. Hence regarded as a separate family related to both.

277 A distinct lineage arising independently of *Caenorhabditis*, and *Heterorhabditis* and *Rhabditis* according to Sudhaus (2011).

- Species *dubielzigi* Lucio-Forster, Liotta, Rishniw & Bowman, 2015
 Species *mussuranae* Kuzmin, Tkach & Melo, 2019
 Species *moi* Machado, Kuzmin, Tkach, Dos-Santos, Goncalves & Melo, 2018
 Species *viperidicus* Morais, Aguiar, Mueller, Narciso, Da-Silva & Da-Silva, 2017
- Suborder **Rhabditina** Chitwood, 1933 (3 superfamilies, 9 families, 30 subfamilies, 505 genera, 3751 species)
 Superfamily **Heterorhabditoidea** Poinar, 1975 * (2 families, 2 subfamilies, 4 genera, 30 species)²⁷⁸
 Family **Heterorhabditidae** Poinar, 1975 (1 subfamily, 3 genera, 29 species)
 Subfamily **Heterorhabditinae** Poinar, 1975 * (3 genera, 29 species)
 Tribe **Heterorhabditini** Poinar, 1975 *
 Subtribe **Heterorhabditinii** Poinar, 1975 *
 Genus *Heterorhabditis* Poinar, 1976 (27 species)
 Species *atacamensis* Edgington, Buddie, Moore, France, Merino & Hunt, 2011
 Species *baujardi* Phan, Subbotin, Nguyen & Moens, 2003
 syn *somsookae* Maneesakorn, An, Grewal & Chandrapatya, 2015 (Hunt & Subbotin, 2016)
 Species *beicherriana* Li, Liu, Nermut, Puza & Mracek, 2012
 Species *indica* Poinar, Karunakar & David, 1992
 syn *gerrardi* Plichta, Joyce, Clarke, Waterfield & Stock, 2009 (Hunt & Subbotin, 2016)
 syn *pakistanensis* Shahina, Tabassum, Salma, Mehreen & Knoetze, 2016 (Hunt & Subbotin, 2016)
 syn *pakistanense* Shahina, Tabassum, Salma, Mehreen & Knoetze, 2016 (Hunt & Subbotin, 2016)
 Species *noenieputensis* Malan, Knoetze & Tiedt, 2014
 Species *taysearae* Shamseldean, El-Sooud, Abd-Elgawad & Saleh, 1996
 syn *sonorensis* Stock, Rivera-Orduno & Flores-Lara, 2009 (Hunt & Subbotin, 2016)
 Genus *Palaeoarachus* Poinar, 2011 (1 species)²⁷⁹
 Species *burmanicus* Poinar, 2011
 Genus *Proheterorhabditis* Poinar, 2011 (1 species)²⁸⁰
 Species *burmensis* Poinar, 2011
- Family **Syrphonematidae** Laumond & Lyon, 1971 (1 subfamily, 1 genus, 1 species)
 Subfamily **Syrphonematinae** Laumond & Lyon, 1971 * (1 genus, 1 species)
 Tribe **Syrphonematini** Laumond & Lyon, 1971 *
 Subtribe **Syrphonematinii** Laumond & Lyon, 1971 *
 Genus *Syrphonema* Laumond & Lyon, 1971 (1 species)
- Superfamily **Rhabditoidea** Oerley, 1880 (Travassos, 1920) (3 families, 11 subfamily, 43 genera, 403 species)
 Family **Cruznematidae** n. fam. (2 subfamilies, 4 genera, 17 species)²⁸¹
 Subfamily **Cruznematinae** n. subfam. * (2 genera, 9 species)²⁸²
 Tribe **Cruznematini** n. tribe *
 Subtribe **Cruznematinii** n. subtribe *
 Genus *Cruznema* Artigas, 1927 (8 species)
 Genus *Epimenides* Gutierrez, 1949 (1 species)
 Subfamily **Rhabpaninae** n. subfam. (2 genera, 8 species)²⁸³

278 A separate clade according to the molecular analysis of Chilton *et al.* (2006)

279 Fossil, Baltic amber.

280 Fossil, Burmese amber.

281 A distinct lineage associated with *Mesorhabditis* and *Pelodera* according to Sudhaus (2011). Type genus is *Cruznema* Artigas 1927. Diagnostic features are: glottis present; labial hooks absent; and phasmid anterior to GP7. Glottis absent; labial hooks present; and phasmid position variable in other families. Otherwise with the features of the superfamily.

282 Diagnostic features are: phasmids at anus level and ray-like; and 8 GP.

283 Type genus is *Rhabpanus* Massey 1971. Diagnostic features are: phasmids inconspicuous and at base of GP7; and 8 or 9 GP. Phasmids at anus level and ray-like; and 8 GP in the other subfamily. Otherwise with the features of the family.

- Tribe **Rhabpanini** n. tribe *
- Subtribe **Rhabpaninii** n. subtribe *
- Genus *Buetschlinema* Sudhaus, 2011 (5 species)
- Genus *Rhabpanus* Massey, 1971 (3 species)
- Species *poonchianus* Shah & Vaid, 2017
- Family **Diploscapteridae** Micoletzky, 1922 (Andrassy, 1983) (2 subfamilies, 7 genera, 131 species)²⁸⁴
- Subfamily **Diploscapterinae** Micoletzky, 1922 (3 genera, 15 species)
- Tribe **Diploscapterini** Micoletzky, 1922 *
- Subtribe **Diploscapterinii** Micoletzky, 1922 *
- Genus *Carinoscapter* Siddiqi, 1998 (1 species)
- Genus *Diploscapter* Cobb, 1913 (14 species)
- Species *tantaculata* (Carter, 1859) Sudhaus, 2011
syn *Urolabes tentaculata* Carter, 1859
- Tribe **Sclerorhabditini** n. tribe²⁸⁵
- Subtribe **Sclerorhabditinii** n. subtribe *
- Genus *Sclerorhabditis* Ahmad, Shah & Mahamood, 2007 (1 species)
- Subfamily **Protorhabditinae** Dougherty, 1955 (4 genera, 116 species)
- Tribe **Protorhabditini** Dougherty, 1955 *
- Subtribe **Protorhabditinii** Dougherty, 1955 *
- Genus *Protorhabditis* Osche in Dougherty, 1952 (18 species)
- Species *hortulana* Abolafia & Pena-Santiago, 2016
- Species *parvus* Shah & Vaid, 2017
- Tribe **Prodontorhabditini** Timm, 1961 *²⁸⁶
- Subtribe **Prodontorhabditinii** Timm 1961 *
- Genus *Prodontorhabditis* Timm, 1961 (41 species)
- Tribe **Caenorhabditini** n. tribe²⁸⁷
- Subtribe **Caenorhabditinii** n. subtribe *
- Genus *Caenorhabditis* Osche, 1952 (56 species)²⁸⁸
- Species *angaria* Sudhaus, Kiontke & Giblin-Davis, 2011
- Species *becei* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *chinkari* Mondal & Manna, 2015
- Species *inopinata* Kanzaki, Tsai, Tanaka, Hunt, Liu, Tsuyama, Maeda, Namai, Kumagai, Tracey, Holroyd, Doyle, Woodruff, Muase, Kitazume, Chai, Akagi, Panda, Ke, Schroeder, Wang, Berriman, Sternberg, Sugimoto & Kikuchi, 2018
- Species *monodelphis* Slos, Sudhaus, Stevens, Bert & Blaxter, 2017
- Species *oiwi* Crombie, Zdradjevic, Cook, Tanny, Brady, Wang, Evans, Hahnel, Lee, Rodriguez, Zhang, Van-Der-Zwagg, Kiontke & Andersen, 2019
- Species *panamensis* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *parvicauda* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch,

284 Also proposed as a subfamily by Chitwood & Chitwood (1937), see Goodey (1963)..

285 Type genus is *Sclerorhabditis* Ahmad Shah & Mahamood 2007. Diagnostic feature is the structure of the cuticularized plates on the anterior surface of the mouth (less elaborated in other tribes). This justifies a separate tribe. Otherwise with the features of the subfamily. Shares the cuticularized plates on the anterior surface around the mouth with other members of the subfamily.

286 Originally created as a subfamily by Timm (1961).

287 Type genus is *Caenorhabditis* Osche 1952. Diagnostic features are: teeth absent in stoma; GP6 thickened; and GP5 & GP7 not dorsal. Teeth absent or small; GP6 normal; and GP5 & GP7 not dorsal in other tribes. Otherwise with the features of the subfamily.

288 Excluding many species described by Felix *et al.* (2014).

- Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *pini* Shah & Vaid, 2017
- Species *quiockensis* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *sinica* Huang, Ren, Qiu & Zhao, 2014
- syn sp.5 Kiontke, 2011
- Species *sulstoni* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *tribulationis* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *tropicalis* Felix, Braendle & Cutter, 2014
- syn sp.11 Kiontke, 2011
- Species *uteleia* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *vivipara* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *waitukubuli* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Species *zanzibari* Stevens, Felix, Beltran, Braendle, Caurcel, Fausett, Fitch, Frezal, Gosse, Kaur, Kiontke, Newton, Noble, Richaud, Rockman, Sudhaus & Blaxter, 2019
- Genus *Crustafila* Poinar, 2011 (1 species)²⁸⁹
- Species *confina* Poinar, 2011
- Family **Rhabditidae** Oerley, 1880 (7 subfamilies, 32 genera, 255 species)
- Subfamily **Rhabditinae** Oerley, 1880 (Micoletzky, 1922) (7 genera, 80 species)
- Tribe **Rhabditini** Oerley, 1880 *
- Subtribe **Rhabditinii** Oerley, 1880 *
- Genus *Indorhabditis* Chaturvedi & Khera, 1979 (1 species)
- Genus *Loffienema* Shah, Allie, Vaid & Handoo, 2018 (1 species)
- Species *dhanoriensis* Shah, Allie, Vaid & Handoo, 2018
- Genus *Psychodorhabditis* Poinar, 2011 (6 species)²⁹⁰
- Species *attenuatus* Poinar, 2011
- Species *balticus* Poinar, 2011
- Species *dominicanus* Poinar, 2011
- Genus *Reiterina* Sudhaus, 2011 (1 species)
- Species *typica* (Stefanski1922) Sudhaus, 2011
- Genus *Rhabditis* Dujardin, 1845 (27 species)²⁹¹
- Species *suklai* Mondal & Manna, 2014
- Tribe **Pellioiditini** n. tribe²⁹²
- Subtribe **Pellioiditini** n. subtribe *

289 Fossil, Dominican amber.

290 Fossil, Dominican and Baltic amber.

291 Species number according to Sudhaus (2011).

292 Type genus is *Pellioiditis* Dougherty 1955. Diagnostic features are: buccal cavity short and wide; and phasmids papilliform. Buccal cavity long and narrow; and phasmids tuberculiform in other tribes. Otherwise with the features of the subfamily.

- Genus *Pellioiditis* Dougherty, 1955 (19 species)
- Genus *Phasmarhabditis* Andrassy, 1976 (25 species)²⁹³
- Species *apuliae* Nermut, Puza & Mracek, 2016
- Species *bonaquaense* Nermut, Puza, Mekete & Mracek, 2016
- Species *bohémica* Nermut, Puza, Mekete & Mracek, 2017
- Species *californica* Tandingan-De-Ley, Holovachov, McDonnell, Bert, Paine & De-Ley, 2016
- Species *huizhouensis* Huang, Ye, Ren & Zhao, 2015
- Species *meridionalis* Ivanova & Spiridonov, 2017
- Species *saficana* Ross, Pieterse, Malan & Ivanova, 2018
- Subfamily **Odontorhabditinae** Paramonov, 1964 * (8 genera, 45 species)^{294, 295}
- Tribe **Odontorhabditini** Paramonov, 1964 *
- Subtribe **Odontorhabditini** Paramonov, 1964 *
- Genus *Cephaloboides* Rahm, 1928 (Massey, 1974) (12 species)²⁹⁶
- Species *anisospiculus* Tahseen, Hussain, Ahlawat, Mustaqim & Khan, 2017
- Species *parapillosus* (Schuurmans-Stekhoven, 1951) Tahseen, Hussain, Ahlawat, Mustaqim & Khan, 2017
- syn *Rhabditis parapillosus* Schuurmans-Stekhoven, 1951 (Tahseen, Hussain, Ahlawat, Mustaqim & Khan, 2017)
- Genus *Curviditis* Dougherty, 1953 (2 species)
- Genus *Flagicaudoides* Khan, Singh & Baird, 1999 (1 species)
- Genus *Odontorhabditis* Timm, 1959 (3 species)
- Tribe **Diploscapteroidini** n. tribe²⁹⁷
- Subtribe **Diploscapteroidinii** n. subtribe *
- Genus *Colporhabditis* Andrassy, 1976 (1 species)
- Genus *Diploscapteroides* Rahm, 1928 (7 species)
- Species *persicus* Ghaemi, Pourjam, Alvarez-Ortega, Pedram & Atighi, 2015
- Tribe **Rhabditellini** n. tribe²⁹⁸
- Subtribe **Rhabditellini** n. subtribe *
- Genus *Auanema* Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz, Muller-Reichert, Chaudhuri & Pires-Da-Silva, 2017 (10 species)
- Species *freiburgensis* Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz, Muller-Reichert, Chaudhuri & Pires-Da-Silva, 2017
- Species *reciproca* (Sudhaus, 1974) Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz, Muller-Reichert, Chaudhuri & Pires-Da-Silva, 2017
- syn *Rhabditis reciproca* Sudhaus, 1974 (Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz, Muller-Reichert, Chaudhuri & Pires-Da-Silva, 2017)
- Species *rhodensis* Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz, Muller-Reichert, Chaudhuri & Pires-Da-Silva, 2017
- Species *seurati* (Maupas, 1916) Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz,

293 According to Ross *et al.* (2018).

294 The 3 genera *Auanema*, *Cephaloboides*, and *Rhabditella* were shown to form a distinct clade by molecular and biological evidence by Kanzaki *et al.* (2017), but no formal grouping was named, and sampling was sparse.

295 Created as a family by Andrassy (1983).

296 First used as a subgenus of *Rhabditis* Rahm (1928). Full diagnosis by Sudhaus (1976). Species number according to Tahseen *et al.* (2017).

297 Type genus is *Diploscapteroides* Rahm 1928. Diagnostic features are: all GP post cloacal; and tail sexually dimorphic—long conoid in females and spike-like in males. Some GP pre cloacal; and tail not sexually dimorphic—either long conoid in both sexes or spike-like in both sexes in other tribes. Otherwise with the features of the subfamily.

298 Type genus is *Rhabditella* Cobb 1929. Diagnostic features are: some GP pre cloacal; and tail not sexually dimorphic—long conoid in both sexes. Either all GP post-cloacal or tail spike-like in both sexes in other tribes. Otherwise with the features of the subfamily.

Muller-Reichert, Chaudhuri & Pires-Da-Silva, 2017
 syn *Rhabditis seurati* Maupas, 1916
 Species *viguieri* (Maupas, 1900) Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz,
 Muller-Reichert, Chaudhuri & Pires-Da-Silva, 2017
 syn *Reiterina viguieri* (Maupas, 1900) Sudhaus, 20110
 syn *Rhabditis viguieri* Maupas, 1900
 Genus *Rhabditella* Cobb, 1929 (10 species)
 Subfamily **Litoditinae** n. subfam. (1 genus, 4 species)²⁹⁹
 Tribe **Litoditini** n. tribe *
 Subtribe **Litoditini** n. subtribe *
 Genus *Litoditis* Sudhaus, 2011 (4 species)
 Subfamily **Oryctonematinae** n. subfam. (5 genera, 110 species)³⁰⁰
 Tribe **Oryctonematini** n. tribe *
 Subtribe **Oryctonematini** n. subtribe *
 Genus *Metarhabditis* Tahseen, Hussain, Tomar, Shah & Jairajpuri, 2004 (15 species)
 Species *giennensis* Abolafia & Pena-Santiago, 2019
 Species *adenobia* (Poinar, 1971) Sudhaus, 2011
 syn *Rhabditis adenobia* Poinar, 1971
 Species *amsactae* (Ali, Pervez, Andrabi, Sharma & Verma, 2011) Sudhaus, 2011
 syn *Oscheius amsactae* Ali, Pervez, Andrabi, Sharma & Verma, 2011
 syn *Oscheius ciceri* Shaheen, Ali & Asif, 2011
 syn *Oscheius hussaini* Shaheen, Ali & Asif, 2011
 syn *Oscheius gingeri* Pervez, Eapen, Devasahayan & Jacob, 2013
 Species *blumi* (Sudhaus, 1974) Sudhaus, 2011
 syn *Rhabditis blumi* Sudhaus, 1974
 Species *costai* (Martins, 1985) Sudhaus, 2011
 syn *Rhabditis costai* Martins, 1985
 Species *freitasi* (Martins, 1985) Sudhaus, 2011
 syn *Rhabditis freitasi* Martins, 1985
 Species *rainai* (Carta & Osbrink, 2005) Sudhaus, 2011
 syn *Rhabditis rainai* Carta & Osbrink, 2005
 Genus *Oryctonema* Poinar, 1970 (23 species)
 Tribe **Oscheini** n. tribe³⁰¹
 Subtribe **Oscheini** n. subtribe *
 Genus *Dolichorhabditis* Andrassy, 1983 (10 species)
 Genus *Oscheius* Andrassy, 1976 (58 species)³⁰²
 Species *basothovii* Lephoto & Gray, 2019
 Species *citri* Tabassum, Shahina, Nasira & Erum, 2016

299 Type genus is *Litoditis* Sudhaus 2011. Diagnostic features are: cheilostome normal; glottis present; strong median oesophageal bulb; and weak terminal bulb. Cheilostome prominent; glottis absent; median bulb absent; and terminal bulb weak in other subfamilies. Otherwise with the features of the family.

300 Type genus is *Oryctonema* Poinar 1970. Diagnostic features are: cheilostome normal; glottis absent; no median oesophageal bulb; and weak terminal bulb. Cheilostome prominent; glottis present; median bulb present; and terminal bulb strong in other subfamilies. Otherwise with the features of the family.

301 Type genus is *Oscheius* Andrassy 1976. Diagnostic feature is reflexed ovaries. Outstretched in other subfamilies. Otherwise with the features of the family.

302 Divided into the Dolichura group and the Insectivora group (Sudhaus 2011). Species in the Dolichura group generally have a slender body, peloderan bursa, inconspicuous posterior phasmids and spicules with straight tip (no distal hook), while species in the Insectivora group generally have a wide body with 4 to 6 incisures in the lateral fields, pseudopeloderan/leptoderan bursa, more conspicuous phasmids posterior to the last genital papillae and needle-like spicules with distal hooks (Kumar *et al.* 2019). Species identification of the genus is very challenging since morphological characters are very similar. Of the valid species, 32 belong to the Insectivora group and 15 to the Dolichura group (Tabassum *et al.* 2016), plus more recently described species.

- Species *cobbii* Tabassum, Shahina, Nasira & Erum, 2016
 Species *cynodonti* Tabassum, Shahina, Nasira & Erum, 2016
 Species *esculentus* Tabassum, Shahina, Nasira & Erum, 2016
 Species *indicus* Kumar, Jamal, Somvanshi, Chauhan & Mumtaz, 2019
 Species *karachiensis* Nasir & Tabassum, 2018
 Species *microvilli* Zhou, Yang, Wang, Bao, Wang, Hou, Lin, Yedid & Zhang, 2017
 Species *onirici* Torrini, Mazza, Carletti, Benvenuti, Roversi, Fanelli, De-Luca, Troccoli & Tarasco, 2015
 Species *punctata* Tabassum, Shahina, Nasira & Erum, 2016
 Species *sacchari* Tabassum, Shahina, Nasira & Erum, 2016
 Genus *Tipulacomis* Poinar, 2011 (4 species)³⁰³
 Species *balticus* Poinar, 2011
 Species *dominicanus* Poinar, 2011
 Subfamily **Pararhabditinae** n. subfam. (6 genera, 8 species)³⁰⁴
 Tribe **Pararhabditini** n. tribe *
 Subtribe **Pararhabditini** n. subtribe *
 Genus *Eudronema* Remillet & Van-Waerebeke, 1973 (1 species)
 Genus *Himatidiophila* Rahm, 1924 (1 species)
 Genus *Matthesonema* Osche, 1955 (2 species)
 Subgenus *Caudpilla* Sudhaus, 1986 (1 species)
 Subgenus *Matthesonema* Osche, 1955 (1 species)
 Genus *Neorhabditis* Schuurmans-Stekhoven, 1954 (1 species)
 Genus *Pararhabditis* Baylis & Daubney, 1926 (1 species)³⁰⁵
 Genus *Xylorhabditis* Sudhaus, 1976 (Andrassy, 1983) (2 species)³⁰⁶
 Subfamily **Rhabditonematidae** Andrassy, 1976 (3 genera, 3 species)
 Tribe **Rhabditonematini** Andrassy, 1976 *
 Subtribe **Rhabditonematini** Andrassy, 1976 *
 Genus *Rhabditonema* Koerner, 1954 (1 species)
 Genus *Saprorhabditis* Khera, 1969 (1 species)
 Genus *Stegorhabditis* Shah, Hussain, Vaid & Ahmad, 2015 (1 species)
 Subfamily **Stomachorhabditinae** Andrassy, 1970 (2 genera, 5 species)
 Tribe **Stomachorhabditini** Andrassy, 1970 *
 Subtribe **Stomachorhabditini** Andrassy, 1970 *
 Genus *Stomachorhabditis* Andrassy, 1970 (4 species)
 Genus *Termirhabditis* Massey, 1971 (1 species)

303 Fossil, Dominican and Baltic amber.

304 Type genus is *Pararhabditis* Baylis & Daubney 1926. Diagnostic features are: prominent cheilostome; glottis present; no median oesophageal bulb; and terminal bulb moderately-developed. Cheilostome normal; glottis absent; median bulb present; and terminal bulb either absent or strong in other subfamilies. Otherwise with the features of the family. Poorly characterised subfamily. Not named after the oldest named genus because *Himatidiophila* Rahm, 1924 is very poorly characterised.

305 Nomen novum for *Pseudorhabditis* Szűts 1912, preoccupied by *Pseudorhabditis* Perroncito 1880.

306 First proposed as a subgenus of *Rhabditis*, raised to genus by Andrassy (1983).

- Superfamily **Strongyloidea** Baird, 1853 (Railliet & Henry, 1913) (4 families, 17 subfamilies, 458 genera, 3318 species)^{307 308}
- Family **Strongylidae** Baird, 1853 (4 subfamilies, 10 tribes, 22 subtribes, 115 genera, 1126 species)
- Subfamily **Deletrocephalinae** Railliet & Henry, 1916 (1 tribe, 1 subtribe, 2 genera, 3 species)³⁰⁹
- Tribe **Deletrocephalini** Railliet & Henry, 1916 * (1 subtribe, 2 genera, 3 species)
- Subtribe **Deletrocephalinii** Railliet & Henry, 1916 * (2 genera, 3 species)
- Genus *Deletrocephalus* Diesing, 1851 (2 species)
- Genus *Paradeletrocephalus* Freitas & Lent, 1947 (1 species)
- Subfamily **Strongylinae** Baird, 1853 (Railliet, 1885) (2 tribes, 7 subtribes, 44 genera, 269 species)
- Tribe **Strongylini** Baird, 1853 (Dvoinos, 1982) (1 subtribe, 22 genera, 53 species)³¹⁰
- Subtribe **Strongylinii** Baird, 1853 * (22 genera, 53 species)
- Genus *Bidentostomum* Tshoiho, 1957 (1 species)
- Genus *Borania* Ricci, 1939 (1 species)
- Genus *Chabertiella* Tadros, 1964 (1 species)
- Genus *Choniangium* Railliet, Henry & Bauche, 1914 (3 species)
- Genus *Codiosomum* Railliet & Henry, 1911 (1 species)
- Genus *Craterostomum* Boulenger, 1920 (2 species)
- Genus *Crycophorus* Chaves, 1930 (1 species)
- Genus *Decrusia* Lane, 1914 (1 species)
- Genus *Dicerocola* Round, 1962 (1 species)
- Genus *Equinurbia* Lane, 1914 (1 species)
- Genus *Javellia* Ricci, 1939 (1 species)
- Genus *Maplestonema* Johnston & Mawson, 1939 (1 species)
- Genus *Oesophagodontus* Railliet & Henry, 1902 (1 species)
- Genus *Paradoxostromylus* Ozdikmen, 2010 nom. nov. pro *Parastrongylus* Yin, Jiang & Kung, 1986 nec *Parastrongylus* Baylis, 1928 (Metastrongylidae) (1 species)
- Genus *Parapoteriostomum* Hartwich, 1986 (7 species)

307 There is little doubt that Strongyloidea are phylogenetically derived from an ancestor classified as Rhabditina. However, there has been extensive radiation within the group leading to a very large number of species and lineages, and hence taxa of a number of different ranks. The result has been classifications with ranks extending as high as Order level (Strongylida) to accommodate this substantial diversity (Durette-Desset & Chabaud 1993, Durette-Desset *et al.* 2017). Others have accommodated the diversity within lower taxonomic ranks, such as within a superfamily (Gibbons 2010). Within these different classification schemes various sub-groups have been defined, and although there is some disagreement over the ranks of these taxa, there is broad agreement among taxonomists working on the group of a considerable hierarchy of names within a classification including a substantial number of ranks. There is, however, an issue with fitting this classification within that of the broader scheme of Phylum Nematoda because those studying the group are, by and large, different to those studying the larger group from which they evolved, the Rhabditina. Strongyles are internal parasites of vertebrates (“helminths”) studied by different methods and with mostly different taxonomically-informative attributes to their presumed progenitors the rhabditids, many of which are free living. The result is a serious mis-match of ranks in the respective classifications such that the accepted evolution of the various groups is not reflected in the taxon ranks afforded groups in the different schemes. For example, the Order Strongylida is a clade within suborder Rhabditina. As raising the rank of Rhabditina to ensure that the classification reflects evolution would result in changes to many other accepted higher taxonomic names in a substantial portion of the Phylum, the ranks of many helminths is lower than in many of the classifications proposed for them in the absence of the wider context of Phylum Nematoda as a whole. There is no satisfactory resolution to this issue other than a classification eschewing ranks altogether to accommodate the large diversity of nematodes. Although such schemes have been proposed (Sudhaus 2011), there is still debate over their utility and how they should operate, and so a more traditional approach using taxonomic ranks to indicate the size and inclusivity of the various clades within Nematoda has been adopted. Because other than nominotypical tribes and subtribe ranks are used within Strongyloidea to accommodate and reflect the clades identified within the superfamily but are not so used in other superfamilies, the counts within Strongyloidea only include the ranks of tribes and subtribes.

308 The authorities of supra-generic taxa in this group have been discussed extensively (Dougherty 1944).

309 Originally created as tribe Deletrocephalinae by Railliet & Henry (1912), and also raised to family Deletrocephalidae by M.B. Chitwood (1969).

310 First used as a subfamily by Railliet (1885).

- Genus *Rhinocerotonema* Jiang, Yin & Kung, 1986 (1 species)
- Genus *Skladnikia* Ricci, 1939 (1 species)
- Genus *Strongylus* Mueller, 1780 (14 species)
- Genus *Triodontophorus* Looss, 1902 (9 species)
- Genus *Tziminema* Giuris-Andrade, Ocegüera-Figueroa, Osorio-Sarabia, Perez-Escobar, Nieto-Lopez, Rojas-Hernandez & Garcia-Preito, 2018 (1 species)
- Species *unachi* Giuris-Andrade, Ocegüera-Figueroa, Osorio-Sarabia, Perez-Escobar, Nieto-Lopez, Rojas-Hernandez & Garcia-Preito, 2018
- Genus *Wuia* Kung, 1959 (1 species)
- Genus *Zebrincola* Ricci, 1939 (3 species)
- Tribe **Cyathostomini** Nicoll, 1927 (Lichtenfels, 1980) (6 subtribes, 22 genera, 216 species)³¹¹
- Subtribe **Cyathostomini** Nicoll, 1927 * (13 genera, 99 species)³¹²
- Genus *Alocostoma* Mawson, 1979 (2 species)
- Genus *Caballonema* Abuladze, 1937 (1 species)
- Genus *Coronocyclus* Hartwich, 1986 (6 species)
- Genus *Cyathostomum* Molin, 1861 (32 species)
- Genus *Cylicocyclus* Ihle, 1922 (18 species)
- Genus *Cylicodontophorus* Ihle, 1922 (8 species)
- Genus *Cylicostephanus* Ihle, 1922 (15 species)
- Genus *Cylindropharynx* Leiper, 1911 (7 species)
- Genus *Gyalocephalus* Looss, 1900 (1 species)³¹³
- Genus *Hsiungia* Kung & Yang, 1964 (1 species)
- Genus *Petrovinema* Ershov, 1943 (2 species)
- Genus *Poteriostomum* Quiel, 1919 (3 species)
- Genus *Tridentoinfundibulum* Tshoiho in Popova, 1958 (3 species)
- Subtribe **Eucyathosomini** Lichtenfels, 1980 * (1 genus, 6 species)³¹⁴
- Genus *Eucyathostomum* Molin, 1861 (6 species)
- Subtribe **Kilulumini** Lichtenfels, 1980 (1 genus, 15 species)³¹⁵
- Genus *Kiluluma* Skryabin, 1916 (15 species)
- Species *ceratotherii* Beveridge & Jabbar, 2013
- Species *ornata* Beveridge, 2018
- Subtribe **Murshidiini** Lichtenfels, 1980 * (3 genera, 53 genera)³¹⁶
- Genus *Khalilia* Neveu-Lemaire, 1924 (4 species)
- Genus *Murshidia* Lane, 1914 (30 species)
- Subgenus *Chabaudia* Campana-Rouget, 1959 (1 species)
- Subgenus *Murshidia* Lane, 1914 (28 species)³¹⁷
- Subgenus *Pterygopharynx* Lane, 1921 (1 species)³¹⁸
- Genus *Neomurshidia* Chabaud, 1957 (19 species)
- Subtribe **Quiloniini** Lichtenfels, 1980 * (2 genera, 38 species)³¹⁹
- Genus *Quilonia* Lane, 1914 (17 species)
- Genus *Theileriana* Moennig, 1924 (21 species)

311 Originally created as subfamily Cyathostominae by Nicoll (1927), and explicitly used as Tribe Cyathostominae by Lichtenfels (1980).

312 Originally created as tribe Cyathostominae by Lichtenfels (1980).

313 Placed here rather than in subfamily Gyalocephalinae Dvoinos 1982 or tribe Gyanocephalini Popova 1952 following Lichtenfels (2008) placement in Cyathostominae.

314 Originally created as tribe Eucyathostominae by Lichtenfels (1980).

315 Originally created as tribe Kiluluminae by Lichtenfels (1980).

316 Originally created as tribe Murshidiinae by Lichtenfels (1980).

317 Originally a genus, changed in rank by Chabaud (1957).

318 Originally a genus, changed in rank by Chabaud (1957).

319 Originally created as tribe Quiloniinae by Lichtenfels (1980).

- Subtribe **Suricolinii** Lichtenfels, 1980 * (2 genera, 5 species)³²⁰
 Genus *Chapiniella* Yamaguti, 1961 (4 species)
 Genus *Sauricola* Chapin, 1924 (1 species)
- Subfamily **Syngaminae** Leiper, 1912 (Baylis & Daubney, 1926) (3 tribes, 3 subtribes, 7 genera, 77 species)³²¹
- Tribe **Archaeostrongylini** Chabaud, 1958 * (1 subtribe, 1 genus, 19 species)³²²
 Subtribe **Archaeostrongylinii** Chabaud, 1958 * (1 genus, 19 species)
 Genus *Archeostrongylus* Biocca & Ferretti, 1958 (19 species)
- Tribe **Stephanurini** Railliet, Henry & Bauge, 1919 * (1 subtribe, 1 genus, 19 species)³²³
 Subtribe **Stephanurinii** Railliet, Henry & Bauge, 1919 * (1 genus, 19 species)
 Genus *Stephanurus* Diesing, 1839 (19 species)
- Tribe **Syngamini** Leiper, 1912 * (1 subtribe, 5 genera, 39 species)³²⁴
 Subtribe **Syngaminii** Leiper, 1912 * (5 genera, 39 species)
 Genus *Boydinema* Barus & Tenora, 1972 (1 species)
 Genus *Cyathostoma* E. Blanchard, 1849 (18 species)
 Subgenus *Cyathostoma* E. Blanchard, 1849 (12 species)
 Subgenus *Hovorkonema* Turemuratov, 1963 (5 species)
 Species *americana* Chapin, 1925
 Species *variegatum* (Creplin, 1849) Chapin, 1925³²⁵
 Subgenus *Ryzhikovistoma* Ali, 1970 (1 species)
 Genus *Mammomonogamus* Ryjikov, 1948 (6 species)
 Genus *Rodentogamus* Sadovskaja, 1950 (1 species)
 Genus *Syngamus* Siebold, 1836 (13 species)
- Subfamily **Chabertiinae** Popova, 1952 (4 tribes, 11 subtribes, 62 genera, 777 species)³²⁶
 Tribe **Chabertiini** Popova, 1952 * (1 subtribe, 15 genera, 80 species)³²⁷
 Subtribe **Chabertinii** Popova, 1952 * (15 genera, 80 species)
 Genus *Agriostomum* Railliet, 1902 (5 species)
 Genus *Castorstrongylus* Chapin, 1925 (1 species)
 Genus *Chabertia* Railliet & Henry, 1909 (7 species)
 Species *erschowi* Xiong & Kong, 1956³²⁸
 Genus *Colobostrongylus* Sandground, 1929 (2 species)
 Genus *Cyclodontostomum* Adams, 1933 (3 species)
 Species *purvisi* Adams, 1933
 Genus *Neorhabditostomum* Gibbons & Kan, 1987 (1 species)
 Genus *Okapistrongylus* Berghe, 1937 (1 species)
 Genus *Paralabiostrongylus* Small, 1982 (5 species)
 Species *rajampatensis* Purwaningsih & Smales, 2014
 Species *tuberis* Purwaningsih & Smales, 2018
 Genus *Pharyngostrongylus* Yorke & Maplestone, 1926 (18 species)
 Species *patriciae* Sukee, Beveridge & Jabbar, 2018
 Species *thylogale* Chilton, Huby-Chilton, Gasser, Koehler & Beveridge, 2016

320 Originally created as tribe Sauricolinae by Lichtenfels (1980).

321 Originally created as family Syngamidae by Leiper (1912). First used explicitly as subfamily by Baylis & Daubney (1926).

322 Originally created as subfamily Archaeostrongylinae by Chabaud (1958).

323 Originally created as subfamily Stephanurinae by Railliet Henry & Bauche (1919), and as Order? Stephanurida by Molin (1861).

324 Originally created as Syngameae by Railliet & Henry (1909) and as family Syngamidae by Leiper (1912), and as subfamily Syngaminae by Baylis & Daubney (1926).

325 Reinstated from synonymy by Kanarek *et al.* (2016).

326 Also used at family rank by Lichtenfels (1980).

327 Originally created as subfamily Chabertiinae by Popova in Skryabin *et al.* (1952), and as family by Lichtenfels (1980). See footnote 329.

328 *Chabertia erschowi* is a distinct species on the basis of molecular evidence (Liu *et al.* 2014).

- Genus *Ransomus* Hall, 1916 (2 species)
- Genus *Schulzinema* Krastin, 1937 (1 species)
- Genus *Ternidens* Railliet & Henry, 1909 (1 species)
- Genus *Tethystrongylus* Beveridge, 1983 (1 species)
- Genus *Thallostonema* Beveridge, 1983 (6 species)
- Genus *Wallabinema* Beveridge, 1983 (26 species)
- Tribe **Cloacinini** Stossich, 1899 (Lichtenfels, 1980) (4 subtribes, 31 genera, 423 species)³²⁹
- Subtribe **Cloacininii** Stossich, 1899 * (11 genera, 177 species)³³⁰
- Genus *Arundelia* Mawson, 1977 (1 species)
- Genus *Beveridgea* Mawson, 1980 (5 species)
- Genus *Cassunema* Beveridge & Johnson, 1981 (1 species)
- Genus *Cervonemella* Beveridge, 2001 (1 species)
- Genus *Cloacina* Linstow, 1898 (159 species)
- Species *assymetrica* Beveridge, Jabbar & Koehler, 2019
- Species *atthis* Beveridge, Hanh, Nyein, Cheng, Koehler, Shuttleworth, Gasser & Jabbar, 2014
- Species *biscoei* Beveridge, 2014
- Species *brazellei* Beveridge, Jabbar & Koehler, 2019
- Species *crassicaudata* Beveridge, Jex, Tan & Jabbar, 2018
- Species *ens* Beveridge, 2018
- Species *harriganae* Beveridge, Jabbar & Koehler, 2019
- Species *hobbsi* Beveridge, Jabbar & Koehler, 2019
- Species *hylas* Beveridge, 2019
- Species *idas* Beveridge, 2019
- Species *johnstoni* Shuttleworth, Jabbar & Beveridge, 2016
- Species *longibursata* Beveridge, Jex, Tan & Jabbar, 2018
- Species *middletoni* Beveridge, Jabbar & Koehler, 2019
- Species *ridei* Beveridge, 2014
- Species *schantzi* Beveridge, 2019
- Species *spearei* Beveridge, Jex, Tan & Jabbar, 2018
- Species *woodi* Beveridge, Jabbar & Koehler, 2019
- Species *xericola* Beveridge, 2018
- Species *zetes* Beveridge, 2019
- Genus *Corollonema* Beveridge & Chilton, 1998 (1 species)
- Genus *Dorcopsiststrongylus* Smales, 1982 (3 species)
- Species *supriyatnai* Purwaningsih, Dewi & Smales, 2019
- Genus *Foliosstoma* Beveridge & Johnson, 1981 (1 species)
- Genus *Mbaisonema* Beveridge, 1997 (1 species)
- Genus *Monilonema* Beveridge & Johnson, 1981 (1 species)
- Genus *Rugonema* Beveridge, 1999 (3 species)
- Subtribe **Macropostrongylinii** Lichtenfels, 1980 * (7 genera, 39 species)³³¹
- Genus *Coronostrongylus* Johnston & Mawson, 1939 (9 species)
- Species *hasegawai* Purwaningsih, Dewi & Smales, 2019
- Genus *Macroponema* Mawson, 1978 (2 species)
- Genus *Macropostrongylus* Yorke & Maplestone, 1926 (6 species)
- Genus *Papillostrongylus* Johnston & Mawson, 1939 (2 species)
- Genus *Popovastrongylus* Mawson, 1977 (7 species)
- Genus *Thylonema* Beveridge, 1981 (5 species)
- Genus *Trigonostonema* Beveridge, 1981 (8 species)

329 Originally created as subfamily Cloacininae by Stossich (1899) and as family by Lichtenfels (1980).

330 Originally created as subfamily Cloacininae by Stossich (1899), and tribe Cloacininae by Lichtenfels (1980).

331 Originally created as tribe Macropostrongylinea by Lichtenfels (1980).

- Subtribe **Pharyngostrongylinii** Popova, 1952 (5 genera, 43 species)³³²
- Genus *Cyclostrongylus* Johnston & Mawson, 1939 (10 species)
 - Genus *Pararugopharynx* Magzoub, 1964 (1 species)
 - Genus *Rugopharynx* Moennig, 1926 (22 species)
 - Genus *Spirostrongylus* Yorke & Maplestone, 1926 (1 species)
 - Genus *Woodwardostrongylus* Wahid, 1964 (9 species)
- Subtribe **Zoniolaiminii** Popova, 1952 * (8 genera, 164 species)³³³
- Genus *Dorcopsinema* Mawson, 1977 (10 species)
 - Species *amplum* Purwaningsih & Smales, 2018
 - Species *longispicularis* Purwaningsih & Smales, 2014
 - Species *supriyatnai* Purwaningsih, Dewi & Smales, 2019
 - Genus *Labiostrongylus* Yorke & Maplestone, 1926 (42 species)
 - Subgenus *Labiomultiplex* Smales, 1994 (6 species)
 - Subgenus *Labiosimplex* Smales, 1994 (25 species)
 - Subgenus *Labiostrongylus* Yorke & Maplestone, 1926 (11 species)
 - Genus *Parapharyngostrongylus* Beveridge, 1982 (1 species)
 - Genus *Parazoniolaimus* Johnston & Mawson, 1939 (1 species)
 - Genus *Potorostrongylus* Johnston & Mawson, 1939 (5 species)
 - Genus *Rugostrongylus* Beveridge, 1982 (1 species)
 - Genus *Thylostrongylus* Beveridge, 1982 (3 species)
 - Genus *Zoniolaimus* Cobb, 1898 (101 species)
- Tribe **Oesophagostomini** Lichtenfels, 1980 * (3 subtribes, 10 genera, 196 species)³³⁴
- Subtribe **Bourgelatiinii** Lichtenfels, 1980 (5 genera, 56 species)³³⁵
- Genus *Bourgelatia* Railliet, Henry & Bauche, 1919 (1 species)
 - Genus *Kuntzistrongylus* Lichtenfels, 1980 (1 species)
 - Genus *Lemurostrongylus* Chabaud, Brygoo & Petter, 1961 (1 species)
 - Genus *Phacochoerostrongylus* Schwartz, 1928 (2 species)
 - Genus *Trachypharynx* Leiper, 1911 (51 species)
- Subtribe **Bourgelatioidinii** Lichtenfels, 1980 * (2 genera, 49 species)³³⁶
- Genus *Bourgelatioides* Chandler, 1931 (1 species)
 - Genus *Rhabditostomum* Chabaud & Krishnasamy, 1976 (48 species)
- Subtribe **Oesophagostomini** Lichtenfels, 1980 * (3 genera, 91 species)³³⁷
- Genus *Daubneyia* Le-Roux, 1940 (7 species)
 - Genus *Oesophagostomum* Molin, 1861 (47 species)
 - Subgenus *Bosicola* Sandground, 1929 (1 species)
 - Subgenus *Conoweberia* Ihle, 1922 (7 species)
 - Species *mandiensis* Rakesh, Somesh & Kalia, 2017
 - Subgenus *Hysteracrum* Railliet & Henry, 1913 (4 species)
 - Subgenus *Ihlea* Travassos & Vogelsang, 1932 (1 species)
 - Subgenus *Lerouxiella* Chabaud & Durette-Desset, 1973 (1 species)
 - Subgenus *Oesophagostomum* Molin, 1861 (31 species)
 - Species *rafae* Gul-E-Lala, Khatoon, Khan & Naqvi, 2019

332 Cited by Popova (1958) as being originally named by Popova in 1952 as Pharyngostrongylinea, but no reference cited. The citation is to a part of Skryabin *et al.* (1952), but there is no clear indication of the authorship of the various groups within the publication other than references such as this, so it is not possible to cite who prepared which sections.

333 Originally created as family Zoniolaiminidae, probably by Popova in Skryabin *et al.* (1952): see footnote above. The authorship of the family is generally cited as being by Popova (Lichtenfels 1980). Tribe Zoniolaiminea by Lichtenfels (1980).

334 Originally created as subfamily Oesophagostominae by Lichtenfels (1980).

335 Originally created as tribe Bourgelatiinea by Lichtenfels (1980).

336 Originally created as tribe Bourgelatioidinea by Lichtenfels (1980).

337 Originally created as tribe Oesophagostominea by Lichtenfels (1980).

- Subgenus *Proteracrum* Railliet & Henry, 1913 (1 species)
 Subgenus *Pukuia* Le-Roux, 1940 (1 species)
 Genus *Oesophagostomoides* Schwartz, 1928 (37 species)
 Tribe **Phascolostromylini** Lichtenfels, 1980 (Beveridge, 1987) (3 subtribes, 6 genera, 78 species)³³⁸
 Subtribe **Phascolostromylinii** Lichtenfels, 1980 * (1 genus, 33 species)
 Genus *Phascolostromylus* Canavan, 1931 (33 species)
 Subtribe **Hypodontinii** Beveridge, 1987 * (3 genera, 37 species)³³⁹
 Genus *Corollostromylus* Beveridge, 1978 (1 species)
 Genus *Hypodontus* Moennig, 1929 (3 species)³⁴⁰
 Genus *Macropicola* Mawson, 1978 (33 species)
 Subtribe **Macropostrongyloidinii** Beveridge, 1987 (2 genera, 8 species)³⁴¹
 Genus *Macropostrongyloides* Yamaguti, 1961 (5 species)
 Genus *Paramacropostrongylus* Johnston & Mawson, 1940 (3 species)
 Family **Ancylostomatidae** Looss, 1905 (Looss, 1911) (2 subfamilies, 3 tribes, 7 subtribes, 21 genera, 255 species)³⁴²
 Subfamily **Ancylostomatinae** Looss, 1905 (2 tribes, 6 subtribes, 18 genera, 211 species)
 Tribe **Ancylostomatini** Looss, 1905 (Lichtenfels, 1980) (4 subtribes, 8 genera, 138 species)
 Subtribe **Ancylostomatini** Looss, 1905 * (2 genera, 55 species)³⁴³
 Genus *Ancylostoma* Dubini, 1843 (32 species)
 Subgenus *Afrancylostoma* Biocca & Le-Roux, 1958 (1 species)
 Subgenus *Amerancylostoma* Biocca & Le-Roux, 1958 (1 species)
 Subgenus *Ancylostoma* Dubini, 1843 (29 species)
 Species *ailuropodae* Xie, Hoberg, Yang, Urban & Yang, 2017
 Species *ctenomyos* Drabik & Gardner, 2019
 Subgenus *Ceylancylostoma* Lane, 1916 (1 species)
 Genus *Galoncus* Railliet, 1918 (23 species)
 Subtribe **Arthrocephalini** Schmidt & Kuntz, 1968 * (3 genera, 28 species)³⁴⁴
 Genus *Arthrocephalus* Ortlepp, 1925 (1 species)
 Genus *Arthrostoma* Cameron, 1927 (5 species)
 Genus *Placoconus* Webster, 1956 (22 species)
 Subtribe **Globocephalini** Travassos & Vogelsang, 1932 * (1 genus, 33 species)³⁴⁵
 Genus *Globocephalus* Molin, 1861 (33 species)
 Subtribe **Uncinariini** Stiles, 1903 * (2 genera, 22 species)³⁴⁶
 Genus *Biocastrostrongylus* Chabaud & Petter, 1961 (1 species)
 Genus *Uncinaria* Froelich, 1789 (21 species)
 Subgenus *Megadeirides* Chabaud, Bain & Houin, 1966 (1 species)
 Subgenus *Uncinaria* Froelich, 1789 (20 species)
 Species *lyonsi* Kuzmina & Kuzmin, 2015
 Species *sanguinis* Marcus, Higgins, Slapeta & Gray, 2014
 Tribe **Bunostomini** Railliet & Henry, 1909 (2 subtribes, 10 genera, 73 species)³⁴⁷

338 Originally created as a subfamily by Lichtenfels (1980).

339 Originally created as a tribe by Beveridge (1987).

340 Including cryptic species identified by Jabbar *et al.* (2013).

341 Originally created as a tribe by Beveridge (1987).

342 Created as a subfamily by Looss (1905).

343 Originally created as subfamily Ancylostomatinae by Looss (1905), and tribe Ancylostomatinae by Lichtenfels (1980).

344 Originally created as subfamily Arthrocephalinae by Schmidt & Kuntz (1968), and tribe Arthrocephalinae by Lichtenfels (1980).

345 Originally created as subfamily Globocephalinae by Travassos & Vogelsang (1932), and tribe Globocephalinae by Lichtenfels (1980).

346 Originally created as subfamily Uncinariinae by Stiles (1903), and tribe Uncinariinae by Lichtenfels (1980).

347 Raised to Subfamily by Looss (1911).

- Subtribe **Acheilostomini** Lichtenfels, 1980 * (2 genera, 45 species)³⁴⁸
 Genus *Acheilostoma* Leiper, 1911 (3 species)
 Genus *Tetragomphus* Baylis & Daubney, 1923 (42 species)
- Subtribe **Bunostomini** Railliet & Henry, 1909 * (8 genera, 28 species)³⁴⁹
 Genus *Bathmostomum* Railliet & Henry, 1909 (1 species)
 Genus *Brachyclonus* Railliet & Henry, 1910 (1 species)
 Genus *Bunostomum* Railliet, 1902 (8 species)
 Genus *Cameronecator* Lichtenfels, 1980 (1 species)
 Genus *Gaigeria* Railliet & Henry, 1910 (1 species)
 Genus *Grammocephalus* Railliet & Henry, 1910 (3 species)
 Genus *Monodontus* Molin, 1861 (9 species)
 Genus *Necator* Stiles, 1903 (4 species)
- Subfamily **Diaphanocephalinae** Travassos, 1920 * (1 tribe, 1 subtribe, 3 genera, 44 species)³⁵⁰
 Tribe **Diaphanocephalini** Travassos, 1920 * (1 subtribe, 3 genera, 44 species)
 Subtribe **Diaphanocephalini** Travassos, 1920 * (1 subtribe, 3 genera, 44 species)
 Genus *Cylicostrongylus* Yamaguti, 1961 (3 species)
 Genus *Diaphanocephalus* Diesing, 1851 (1 species)
 Genus *Kalicephalus* Molin, 1861 (40 species)
 Subgenus *Inermiformis* Schad, 1962 (2 species)
 Subgenus *Kalicephaloides* Yeh, 1956 (1 species)
 Subgenus *Kalicephalus* Molin, 1861 (33 species)
 Subgenus *Occipitodontus* Ortlepp, 1923 (1 species)
 Subgenus *Rectiphiloides* Schad, 1962 (2 species)
 Subgenus *Variabiliformis* Schad, 1962 (1 species)
- Family **Metastrongylidae** Molin, 1861 (8 subfamilies, 10 tribes, 10 subtribes, 65 genera, 311 species)³⁵¹
 Subfamily **Angiostrongylinae** Boehm & Gebauer, 1934 (1 tribe, 1 subtribe, 23 genera, 85 species)³⁵²
 Tribe **Angiostrongylini** Boehm & Gebauer, 1934 * (1 subtribe, 23 genera, 85 species)
 Subtribe **Angiostrongylini** Boehm & Gebauer, 1934 * (23 genera, 85 species)
 Genus *Aelurostrongylus* Cameron, 1927 (6 species)
 Subgenus *Aelurostrongylus* Cameron, 1927 (4 species)
 Subgenus *Perostrongylus* Schlegel, 1933 (2 species)
 Genus *Andersonstrongylus* Webster, 1978 (2 species)
 Genus *Angiostrongylus* Kamensky, 1905 (24 species)³⁵³
 Genus *Antechinostrongylus* Spratt, 1981 (1 species)
 Genus *Cercogylus* Petter & Brochier, 1989 (1 species)
 Genus *Cosmostrongylus* Spratt, 1984 (1 species)
 Genus *Didelphostrongylus* Prestwood, 1976 (1 species)
 Genus *Filostrongylus* Mackerras, 1955 (2 species)
 Genus *Gallegostrongylus* Mas-Coma, 1978 (4 species)³⁵⁴
 Genus *Gurltia* Wolffhügel, 1933 (1 species)
 Genus *Heterostrongylus* Travassos, 1925 (1 species)
 Genus *Madafilaroides* Chabaud & Brygoo, 1960 (1 species)

348 Originally created as tribe Acheilostominea by Lichtenfels (1980).

349 Originally created as tribe Bunostominea by Railliet & Henry (1909).

350 Created as a family by Travassos (1920).

351 Created as a subfamily with the current spelling by Leiper (1908), but already defined earlier as family “Metastrongylida” by Molin (1861). Superfamily Metastrongyloidea defined by Lane (1917). For full history, see Cowie (2019)..

352 Raised to family by Anderson (1978).

353 Classification follows Cowie (2019), which does not recognize the type subgenus *Angiostrongylus* Kamensky 1905 or *Parastrongylus* Baylis 1928. Census includes 3 species regarded as probably valid by Cowie (2019), 1 of which is of uncertain genus placement, and 2 of which have proposed type specimens recorded and in a recognized collection but currently lack published descriptions.

354 Classification follows Cowie (2019).

- Genus *Madangiostrongylus* Chabaud & Brygoo, 1960 (1 species)
- Genus *Malayometastrongylus* Gibbons & Krishnasamy, 1986 (1 species)
- Genus *Marsupostrongylus* Mackerras & Sandars, 1933 (11 species)
- Genus *Procyonostrongylus* Anderson, Prestwood & Strelive, 1979 (1 species)
- Genus *Pulmostrongylus* Hsu, 1935 (3 species)
- Genus *Rodentocaulus* Schulz, Orlov & Kutass, 1938 (1 species)³⁵⁵
- Genus *Sobolevingylus* Romanov, 1952 (3 species)
- Genus *Stefanskostrongylus* Drozd, 1970 (10 species)³⁵⁶
- Genus *Thaistrongylus* Ohbayashi, Kamiya & Bhaibulaya, 1979 (1 species)
- Genus *Trilobostrongylus* Anderson, 1963 (1 species)
- Genus *Viverrostrongylus* Asakawa, Ohbayashi & Ow-Yang, 1986 (1 species)
- Subfamily **Crenosomatinae** Schulz, 1951 (Popova, 1952) (1 tribe, 1 subtribe, 6 genera, 28 species)³⁵⁷
- Tribe **Crenosomatini** Schulz, 1951 * (1 subtribe, 6 genera, 28 species)
- Subtribe **Crenosomatinii** Schulz, 1951 * (6 genera, 28 species)
- Genus *Crenosoma* Molin, 1861 (16 species)
- Genus *Molinofilaria* Vuylst ke, 1956 (1 species)
- Genus *Otostrongylus* De-Bruyn, 1933 (2 species)
- Genus *Paracrenosoma* Yun & Kontrimavichus, 1963 (4 species)
- Genus *Prestwoodia* Anderson, 1978 (1 species)
- Genus *Troglostrongylus* Vevers, 1923 (4 species)
- Subfamily **Dictyocaulinae** Skryabin, 1933 * (1 tribe, 1 subtribe, 3 genera, 18 species)^{358 359}
- Tribe **Dictyocaulini** Skryabin, 1933 * (1 subtribe, 3 genera, 18 species)
- Subtribe **Dictyocaulinii** Skryabin, 1933 * (3 genera, 18 species)
- Genus *Bronchonema* Monnig, 1932 (1 species)
- Genus *Cardiostrongylus* Sakamoto & Malgor, 1995 (1 species)
- Genus *Dictyocaulus* Railliet & Henry, 1907 (16 species)
- Species *cervi* Pyziel, Laskowski, Demiaszkiewicz & Hoglund, 2017
- Subfamily **Filaroidinae** Schulz, 1951 (1 tribe, 1 subtribe, 6 genera, 35 species)
- Tribe **Filaroidini** Schulz, 1951 * (1 subtribe, 6 genera, 35 species)
- Subtribe **Filaroidinii** Schulz, 1951 * (6 genera, 35 species)
- Genus *Chabaudistrongylus* Kontrimavichus & Delyamure, 1979 (3 species)
- Genus *Filariopsis* Van-Thiel, 1926 (4 species)
- Genus *Filaroides* Van-Beneden, 1858 (13 species)
- Genus *Oslerus* Hall, 1921 (2 species)
- Subgenus *Anafilaroides* Gericher, 1948 (1 species)³⁶⁰
- Subgenus *Oslerus* Hall, 1921 (1 species)
- Genus *Parafilaroides* Dougherty, 1946 (11 species)
- Genus *Rauschivingylus* Kontrimavichus & Delyamure, 1979 (2 species)
- Subfamily **Metastrongylinae** Molin, 1861 (Leiper, 1908) (1 tribe, 1 subtribe, 4 genera, 11 species)³⁶¹
- Tribe **Metastrongylini** Molin, 1861 * (1 subtribe, 4 genera, 11 species)
- Subtribe **Metastrongylinii** Molin, 1861 * (4 genera, 11 species)
- Genus *Mariostrongylus* Teixeira-De-Freitas & Franco, 1967 (1 species)
- Genus *Metastrongylus* Molin, 1861 (7 species)
- Genus *Micronematodum* Castelli, 1926 (1 species)

355 Classification follows Cowie (2019).

356 Classification follows Cowie (2019).

357 Originally created as a family by Schulz (1951).

358 Created as a family by Skryabin (1941).

359 Generally placed in the clade that is herein termed Trichstrongylidae (Durette-Desset & Chabaud 1981), but recent molecular evidence suggests affinities with the clade herein termed Metastrongylida (Beveridge pers. comm., on the basis of work by Neil Chilton).

360 Originally as genus, first used as subgenus by Anderson (1978).

361 Created as a subfamily by Leiper (1908) in ignorance of Molin's earlier (1861) designation as family "Metastrongylida".

- Genus *Posthalocercus* Delyamure in Skryabin, 1942 (2 species)
- Subfamily **Protostrongylinae** Leiper, 1926 * (1 tribe, 1 subtribe, 15 genera, 81 species)³⁶²
- Tribe **Protostrongylini** Leiper, 1926 * (1 subtribe, 15 genera, 81 species)³⁶³
- Subtribe **Protostrongylinii** Leiper, 1926 * (15 genera, 81 species)
- Genus *Cystocaulus* Schulz, Orlov & Kutass, 1933 (4 species)
- Genus *Dukerostrongylus* Dinnik & Boev, 1982 (1 species)
- Genus *Elaphostrongylus* Cameron, 1931 (5 species)
- Genus *Imparispiculus* Luo, Jianzhong, Duo, Jiecaidan & Chen-Gan, 1988 (1 species)
- Genus *Muellerius* Cameron, 1927 (3 species)
- Genus *Neostrongylus* Gebauer, 1932 (2 species)
- Genus *Orthostrongylus* Dougherty & Goble, 1946 (1 species)
- Genus *Parelaphostrongylus* Boev & Schulz, 1950 (3 species)
- Genus *Pneumocaulus* Schulz & Andreeva, 1948 (1 species)
- Genus *Pneumostrongylus* Moennig, 1932 (3 species)
- Genus *Protostrongylus* Kamensky, 1905 (37 species)
- Subgenus *Davtianostrongylus* Boev, 1950 (2 species)
- Subgenus *Kochostrongylus* Shultz & Boev in Skryabin, 1952 (2 species)
- Subgenus *Protostrongylus* Kamensky, 1905 (19 species)
- Subgenus *Pulmostrongyles* Boev, 1984 (14 species)
- Genus *Skrjabinocaulus* Boev & Sulimov, 1963 (1 species)
- Genus *Spiculocaulus* Schulz, Orlov & Kutass, 1933 (4 species)
- Genus *Umingmakstrongylus* Hoberg, Polley, Gunn & Nishi, 1995 (1 species)
- Genus *Varestrongylus* Bhalerao, 1932 (14 species)
- Species *alces* Demidova & Naumitscheva, 1953³⁶⁴
- Species *eleguneniensis* Verocai, Kutz, Simard & Hoberg, 2015
- Subfamily **Pseudaliinae** Railliet & Henry, 1909 (3 tribes, 3 subtribes, 7 genera, 46 species)³⁶⁵
- Tribe **Halocercini** Delyamure, 1951 * (1 subtribe, 2 genera, 17 species)³⁶⁶
- Subtribe **Halocercinii** Delyamure, 1951 * (2 genera, 17 species)
- Genus *Halocercus* Baylis & Daubney, 1925 (14 species)
- Genus *Skrjabinalius* Delyamure, 1942 (3 species)
- Tribe **Pseudaliini** Railliet & Henry, 1909 * (1 subtribe, 1 genus, 3 species)
- Subtribe **Pseudaliinii** Railliet & Henry, 1909 * (1 genus, 3 species)
- Genus *Pseudalius* Dujardin, 1845 (3 species)
- Tribe **Stenurini** Skryabin, 1942 * (1 subtribe, 4 genera, 26 species)³⁶⁷
- Subtribe **Stenurini** Skryabin, 1942 * (4 genera, 26 species)
- Genus *Pharurus* R. Leuckart, 1848 (10 species)
- Species cf *dalli* Colon-Llavina, Mattiucci, Nascetti, Harvey, Williams & Mignucci-Giannoni, 2019
- Genus *Stenuroides* Gerichter, 1951 (1 species)
- Genus *Stenurus* Dujardin, 1845 (13 species)
- Species cf *minor* Colon-Llavina, Mattiucci, Nascetti, Harvey, Williams & Mignucci-Giannoni, 2019
- Genus *Torynurus* Baylis & Daubney, 1925 (2 species)

362 Originally created as a family by Leiper (1926).

363 6 subfamilies were recognised in Protostrongylidae by Boev (1975), here corresponding to tribes, but they were not recognized by either Anderson (1978) or Gibbons (2010).

364 *Varestrongylus alces* is distinct on molecular and morphological evidence from *V. capreoli* (Verocai Hoberg Vikoren Handeland Ytrehus Rezanoff Davidson Gilleard & Kutz, 2014).

365 Also family Pseudaliidae Railliet (1916).

366 Originally proposed as subfamily by Delamure (1951).

367 Originally proposed as subfamily by Skryabin (1942).

- Subfamily **Skrjabingylineae** Skryabin, 1933 * (1 tribe, 1 subtribe, 1 genus, 7 species)³⁶⁸
 Tribe **Skrjabingylini** Skryabin, 1933 * (1 subtribe, 1 genus, 7 species)
 Subtribe **Skrjabingylinii** Skryabin, 1933 * (1 genus, 7 species)
 Genus *Skrjabingylus* Petrov, 1927 (7 species)
- Family **Trichostrongylidae** Leiper, 1908 (Leiper, 1912) (3 subfamilies, 15 tribes, 33 subtribes, 257 genera, 1626 species)^{369 370 371}
- Subfamily **Trichostrongylineae** Leiper, 1908 (3 tribes, 8 subtribes, 56 genera, 428 species)
 Tribe **Cooperiini** Skryabin & Schulz, 1937 (3 subtribes, 20 genera, 94 species)³⁷²
 Subtribe **Cooperiini** Skryabin & Schulz, 1937 * (10 genera, 60 species)
 Genus *Chabaudstrongylus* Durette-Desset & Denke, 1978 (2 species)
 Genus *Cooperia* Ransom, 1907 (33 species)
 Genus *Gazellostrongylus* Yeh, 1956 (1 species)
 Genus *Impalaia* Moennig, 1923 (4 species)
 Genus *Megacooperia* Khalil & Gibbons, 1976 (1 species)
 Genus *Minutostrongylus* Le-Roux, 1936 (1 species)
 Genus *Neocooperia* Fotedar & Bambroo, 1971 (1 species)
 Genus *Paracooperia* Travassos, 1935 (9 species)
 Genus *Paracooperioides* Boomker, Horak & de Vos, 1981 (1 species)
 Genus *Pseudostertagia* Orloff, 1933 (7 species)
 Subtribe **Libyostrongylinii** Durette-Desset & Chabaud, 1977 * (5 genera, 20 species)³⁷³
 Genus *Cnizostrongylus* Chabaud, Durette-Desset & Houin, 1967 (1 species)
 Genus *Laurostrongylus* Durette-Desset & Chabaud, 1992 (1 species)
 Genus *Libyostrongylus* Lane, 1923 (6 species)
 Genus *Paralibyostrongylus* Ortlepp, 1939 (5 species)
 Genus *Pararhabdonema* Kreis, 1945 (7 species)
 Subtribe **Obeliscoidinii** Durette-Desset, Hugot, Darlu & Chabaud, 1999 * (5 genera, 14 species)³⁷⁴
 Genus *Biogastranema* Rohrbacher & Ehrenford, 1954 (1 species)
 Genus *Hoazinstrongylus* Magalhaes, Pinto & Correa-Gomes, 1985 (1 species)
 Genus *Obeliscoides* Grabyill, 1924 (4 species)
 Genus *Tapironema* Durette-Desset, Chabaud & Sutton, 1997 (1 species)
 Genus *Teporingonema* Harris, 1985 (7 species)
 Tribe **Haemonchini** Skryabin & Shultz, 1937 * (2 subtribes, 14 genera, 193 species)³⁷⁵
 Subtribe **Haemonchinii** Skryabin & Schulz, 1937 (5 genera, 30 species)
 Genus *Ashworthius* Le-Roux, 1930 (9 species)
 Genus *Boehmiella* Gebauer, 1932 (2 species)
 Genus *Haemonchus* Cobb, 1898 (14 species)
 Genus *Leiperiatus* Sandground, 1929 (1 species)
 Genus *Mecistocirrus* Railliet & Henry, 1912a (4 species)
 Subtribe **Ostertagini** Skryabin & Schulz, 1937 * (9 genera, 163 species)^{376 377}
 Genus *Camelostrongylus* Orloff, 1933 (20 species)
 Genus *Graphidium* Railliet & Henry, 1909 (1 species)

368 Originally proposed as family by Skryabin (1933).

369 Attributed also to Witenberg (1925) by De Ley & Blaxter (2002).

370 Classification follows Beveridge *et al.* (2014) and Durette Desset *et al.* (1999) except generally 1 full taxonomic rank lower.

371 Ichthyostongylidae Yamaguti 1961 of doubtful validity as a group and included here (Beveridge *et al.* 2010).

372 Created as a subfamily by Skryabin & Schikhobalova (1952).

373 Created as a tribe by Durette-Desset & Chabaud (1977).

374 Created as a subfamily by Durette-Desset *et al.* (1999).

375 Created as a subfamily by Skryabin & Schultz (1952).

376 Includes the former Graphidiinae Travassos 1937, see Durette-Desset *et al.* (1999).

377 Raised to subfamily by Lopez-Neyra 1947. Originally created as a tribe by Skryabin & Shultz 1937.

- Genus *Hyostrongylus* Hall, 1921 (7 species)
- Genus *Longistrongylus* Le-Roux, 1931 (9 species)
- Genus *Marshallagia* Orloff, 1933 (23 species)
- Genus *Ostertagia* Ransom, 1907 (53 species)
- Genus *Parostertagia* Schwartz & Alicata, 1933 (1 species)
- Genus *Spiculoptera* Orloff, 1933 (24 species)
- Genus *Teladorsagia* Andreeva & Satubaldin, 1954 (25 species)
- Tribe **Trichostrongylini** Leiper, 1908 * (3 subtribes, 22 genera, 141 species)
- Subtribe **Amidostomatini** Travassos, 1919 * (8 genera, 50 species)^{378 379}
- Genus *Amidostomoides* Petrova, 1987 (15 species)
- Species *acutum* (Lundahl, 1848) Lomakin, 1991³⁸⁰
- Species *monodon* (Linstow, 1882) Lomakin, 1991
- Species *petrovi* (Shakhtahtinskaya, 1956) Lomakin, 1991
- Genus *Amidostomum* Railliet & Henry, 1909 (7 species)
- Genus *Epomidiostomum* Skryabin, 1915 (15 species)
- Genus *Hexapapillostomum* Lomakin, 1991 (1 species)
- Genus *Mesamidostomum* Lomakin, 1991 (2 species)
- Genus *Paramidostomum* Freitas & Mendonca, 1950 (1 species)
- Genus *Pseudamidostomum* Boulenger, 1926 (4 species)
- Genus *Quasiamidostomum* Lomakin, 1991 (5 species)
- Subtribe **Filarinematini** Skryabin & Schikhobalova, 1937 * (3 genera, 19 species)³⁸¹
- Genus *Filarinema* Moennig, 1929 (13 species)
- Species *chiltoni* Beveridge, 2019
- Genus *Peramelistrongylus* Mawson, 1960 (1 species)
- Genus *Profilarinema* Durette-Desset & Beveridge, 1981 (5 species)
- Subtribe **Trichostrongylini** Leiper, 1908 * (11 genera, 72 species)
- Genus *Arnfieldia* Sarwar, 1957 (1 species)
- Genus *Graphidioides* Cameron, 1923 (9 species)
- Genus *Graphinema* Guerrero & Rojas, 1969 (1 species)
- Genus *Lagostonema* Sutton & Durette-Desset, 1987 (1 species)
- Genus *Linustrongylus* Vaucher & Durette-Desset, 1986 (1 species)
- Genus *Mainspinostrongylus* Kalyankar & Palladwar, 1989 (1 species)
- Genus *Schikhobalovia* Ali & Deshpande, 1969 (1 species)
- Genus *Travassosius* Khalil, 1922 (2 species)
- Genus *Trichostrongyella* Dikov, 1961 (1 species)
- Genus *Trichostrongylus* Looss, 1905 (53 species)
- Genus *Websternema* Vaucher & Durette-Desset, 1986 (1 species)
- Subfamily **Heligmosominae** Travassos, 1914 (8 tribes, 15 subtribes, 127 genera, 782 species)³⁸²
- Tribe **Cylicostrongylini** Yamaguti, 1961 * (1 subtribe, 1 genus, 3 species)³⁸³
- Subtribe **Cylicostrongylini** Yamaguti, 1961 *
- Genus *Neocylicostrongylus* Arya & Johnson, 1977 (3 species)³⁸⁴
- Tribe **Heligmosomini** Travassos, 1914 (1 subtribe, 11 genera, 159 species)
- Subtribe **Heligmosomini** Travassos, 1914 * (11 genera, 159 species)

378 Created as a subfamily by Travassos (1919) and family by Baylis & Daubney (1926)

379 There is evidence for 2 clades within the tribe Amidostomatini (labelled as subfamilies Amidostomatinae and Epomidiostomatinae within a family Amidostomatidae by Durette-Desset & Chabaud (1981)). These are given no formal designation in the present classification.

380 Not synonyms of *Amidostomum acutum* (Lundahl 1848) Lomakin, 1991 on molecular evidence (Kavetska *et al.* 2015).

381 Created as a tribe by Skryabin & Schikhobalova (1937).

382 Raised to family by Cramm (1927).

383 Created as a family by Yamaguti (1961).

384 Placed in Camallanidae by Spencer-Jones & Gibson (1987), but as a separate family Cylicostrongylidae Yamaguti 1961 by Gibbons (2010).

- Genus *Citellinema* Hall, 1916 (7 species)
- Genus *Citellinoides* Dikmans, 1939 (1 species)
- Genus *Dessetia* Genov & Janchev, 1981 (1 species)
- Genus *Heligmodentostoma* Skryabin & Schulz, 1952 (1 species)
- Genus *Heligmoptera* Nadtochiy, 1977 (4 species)
- Genus *Heligmosomoides* Hall, 1916 (36 species)
- Species *americanus* Durette-Desset Kinsella & Forester, 1972 ³⁸⁵
- Species *polygyrus* (Dujardin, 1845) Boulenger, 1922 ³⁸⁶
- Genus *Heligmosomum* Railliet & Henry, 1909 (28 species)
- Subgenus *Heligmosomum* Railliet & Henry, 1909 (19 species)
- Subgenus *Paraheligmosomum* Asakawa & Satoh, 1987 (9 species)
- Genus *Longistriata* Schulz, 1926 (71 species)
- Genus *Ischilinema* Carolina-Serrano & Digiani, 2016 (1 species)
- Species *baldoi* Carolina-Serrano & Digiani, 2016
- Genus *Ohbayashinema* Durette-Desset, 1974 (5 species)
- Genus *Suncinema* Durette-Desset, 1974 (4 species)
- Tribe **Heligmonellini** Skryabin & Schikhobalova, 1952 (5 subtribes, 80 genera, 455 species) ^{387, 388}
- Subtribe **Heligmonellini** Skryabin & Schikhobalova, 1952 * (41 genera, 178 species)
- Genus *Alippistrongylus* Celina-Digiani & Kinsella, 2014 (1 species)
- Species *bicaudatus* Celina-Digiani & Kinsella, 2014
- Genus *Asakawanema* Durette-Desset & Digiani, 2019 (1 species)
- Species *siamense* (Asakawa Kamiya & Ohbayashi, 1986) Durette-Desset & Digiani, 2019
- syn *Yatinema siamensis* Asakawa Kamiya & Ohbayashi, 1986
- Genus *Bunomystrongylus* Hasegawa & Mangali, 1996 (4 species)
- Species *Ilami* Smales, 2015
- Genus *Chisholmia* Durette-Desset & Digiani, 2015 (4 species)
- Species *bainae* (Beveridge & Durette-Desset, 1992) Durette-Desset & Digiani, 2015
- Species *mawsonae* (Durette-Desset, 1969) Durette-Desset & Digiani, 2015
- syn *Odilia mawsonae* Durette-Desset, 1969
- Genus *Equilophos* Durette-Desset & Digiani, 2015 (4 species)
- Species *polyrhabdote* (Mawson, 1961) Durette-Desset & Digiani, 2015
- syn *Odilia polyrhabdote* (Mawson, 1961) Durette-Desset, 1973
- Species *similis* (Smales, 2009) Durette-Desset & Digiani, 2015
- syn *Odilia similis* Smales, 2009
- Genus *Flannerystrongylus* Smales, 2019 (1 species)
- Species *abulus* Smales, 2019
- Genus *Fukumotonema* Durette-Desset & Digiani, 2019 (6 species)
- Species *orientale* (Asakawa, Kamiya & Ohbayashi, 1986) Durette-Desset & Digiani, 2019
- syn *Neoheligmonella orientalis* Asakawa, Kamiya & Ohbayashi, 1986
- Species *deborahae* Durette-Desset & Digiani, 2019
- syn *Yatinema japonicum* sensu Asakawa, 1989 nec Asakawa & Ohbayashi, 1986
- Species *myodesi* (Asakawa, 1989) Durette-Desset & Digiani, 2019
- syn *Morganiella myodesi* sensu Asakawa, 1989 nec Yin & Zhang, 1981

385 Not a subspecies of *H. polygyrus* (Harris *et al.* 2015).

386 See Behnke & Harris (2010) for a discussion of the identity and nomenclature of species *Heligmosomoides bakeri* and *Heligmosomoides polygyrus*, and the former name *Nematospiroides dubium* Baylis 1926. *Heligmosomoides polygyrus* is used widely as a laboratory model for intestinal helminth infection and its interaction with host immune systems.

387 Included here following Beveridge *et al.* (2014).

388 Created as a subfamily by Durette-Desset & Chabaud (1977).

- Genus *Guerrerostrongylus* Sutton & Durette-Desset, 1991 (4 species)
 Species *marginalis* Weirich Catzefflis & Jimenez, 2016
- Genus *Hasegawanema* Durette-Desset & Digiani, 2015 (10 species)
 Species *mamasaense* (Hasegawa, Miyata & Syafruddin, 1999) Durette-Desset & Digiani, 2015
 Species *mallomyos* (Hasegawa & Syafruddin, 1994) Durette-Desset & Digiani, 2015
 syn *Odilia mallomyos* Hasegawa & Syafruddin, 1994
 Species *maxomyos* (Hasegawa, Miyata & Syafruddin, 1999) Durette-Desset & Digiani, 2015
 syn *Odilia maxomyos* Hasegawa, Miyata & Syafruddin, 1999
 Species *moatensis* (Hasegawa, Miyata & Syafruddin, 1999) Durette-Desset & Digiani, 2015
 syn *Odilia moatense* Hasegawa, Miyata & Syafruddin, 1999
 Species *yumense* Smales, 2019
- Genus *Hasanuddinina* Hasegawa & Syafruddin, 1994 (5 species)
 Species *pogonomyos* Smales, 2014
 Species *hasegawai* Smales, 2015
- Genus *Heligmonella* Moennig, 1927 (4 species)³⁸⁹
- Genus *Hughjonestrongylus* Digiani & Durette-Desset, 2014 (20 species)
 Species *amplicaudae* (Smales & Heinrich, 2010) Celina-Digiani & Durette-Desset, 2014
 syn *Paraheligionelloides amplicaudae* Smales & Heinrich, 2010 (Celina-Digiani & Durette-Desset, 2014)
 Species *ennisae* (Smales & Heinrich, 2010) Durette-Desset & Digiani, 2015
 syn *Paraheligionelloides ennisae* Smales & Heinrich, 2010 (Durette-Desset & Digiani, 2015)
 Species *implexa* (Smales, 2008) Durette-Desset & Digiani, 2015
 syn *Odilia implexa* Smales, 2008
 Species *mirzai* (Smales, 2009) Celina-Digiani & Durette-Desset, 2014
 syn *Heligmonoides mirzai* Smales, 2009 (Celina-Digiani & Durette-Desset, 2014)
 Species *singauwaensis* (Smales, 2009) Celina-Digiani & Durette-Desset, 2014
 syn *Paraheligionelloides singauwaensis* Smales, 2009 (Celina-Digiani & Durette-Desset, 2014)
 Species *pervulgatus* Smales, 2019
 Species *vanimoensis* Smales, 2019
 Species *wanumaensis* Smales, 2019
 Species *woolloyae* Smales, 2017
 Species sp. (Smales, 2011) Digiani & Durette-Desset, 2014
 syn *Paraheligionelloides* sp. Smales, 2011 (Digiani & Durette-Desset, 2014)
- Genus *Krishnasamyos* Celina-Digiani & Durette-Desset, 2014 (1 species)
 Species *triangulus* (Ow-Yang, Durette-Desset & Ohbayashi, 1983) Celina-Digiani & Durette-Desset, 2014
 syn *trianglus* Ow-Yang, Durette-Desset & Ohbayashi, 1983 (Celina-Digiani & Durette-Desset, 2014)
- Genus *Lagostrongylus* Fukumoto, Kamiya & Ohbayashi, 1986 (3 species)
- Genus *Lesleyella* Durette-Desset & Digiani, 2015 (1 species)
 Species *wauensis* (Smales, 2010) Durette-Desset & Digiani, 2015
- Genus *Macrostrongylus* Ow-Yang, Durette-Desset & Ohbayashi, 1983 (3 species)
 Species *ingens* Smales, 2008
- Genus *Malaistrongylus* Ow-Yang, Durette-Desset & Ohbayashi, 1983 (1 species)

389 Species number according to Durette-Desset et al. (2017).

- Genus *Mawsonema* Smales & Heinrich, 2010 (3 species)
 Species *mokwanensis* Smales & Heinrich, 2010
- Genus *Maxomstrongylus* Hasegawa & Syafruddi, 1997 (2 species)
- Genus *Mikenema* Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017 (7 species)
 Species *kinsellai* (Digiani, Carrena & Durette-Desset, 2009) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Paraheligmonella kinsellai* Digiani, Carrena & Durette-Desset, 2009 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species *lamothei* (Digiani, Carrena & Durette-Desset, 2009) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Paraheligmonella lamothei* Digiani, Carrena & Durette-Desset, 2009 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species *perfida* (Travassos, 1943) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Longistriata perfida* Travassos, 1943 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species *romerolagi* (Gibbons & Kumar, 1980) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Boreostromylus romerolagi* Gibbons & Kumar, 1980 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
- Genus *Melomstrongylus* Smales, 2009 (5 species)
 Species *sepikensis* Smales, 2009
 Species *somoroensis* Smales & Heinrich, 2010
- Genus *Montistromylus* Smales & Heinrich, 2010 (4 species)
 Species *ingati* Smales & Heinrich, 2010
 Species *kaindiensis* Smales, 2015
- Genus *Nugininema* Smales, 2016 (1 species)
 Species *titokis* Smales, 2016
- Genus *Odilia* Durette-Desset, 1973 (35 species)
 Species *brachybursa* (Mawson, 1961) Durette-Desset, 1973
 Species *carinatae* Smales, 2008
 Species *emanuelae* (Mawson, 1961) Durette-Desset, 1973
 Species *hageinannae* Smales, 2016
 Species *helgeni* Smales, 2015
 Species *mackerrasae* (Mawson, 1961) Durette-Desset, 1973
 Species *melomyos* (Mawson, 1961) Durette-Desset, 1973
 Species *tasmaniensis* Gibbons & Spratt, 1995
 Species *uromyos* (Mawson, 1961) Durette-Desset, 1973
 Species *whittingtoni* Smales, 2015
- Genus *Paraheligmonella* Durette-Desset, 1971 (1 species)
- Genus *Paraheligmonelloides* Fukumoto, Kamiya & Suzuki, 1980 (8 species)
 Species *amplicaudae* Smales & Heinrich, 2010
 Species *ennisae* Smales & Heinrich, 2010
 Species *kenyensis* Fukumoto, Kamiya & Suzuki, 1980
 Species *singauwaensis* Smales, 2009
- Genus *Parasabanema* Smales & Heinrich, 2010 (4 species)
 Species *szalayi* Smales & Heinrich, 2010
 Species *praeputialis* (Gibbons & Spratt, 1995) Durette-Desset & Digiani, 2015
 syn *Odilia praeputialis* Gibbons & Spratt, 1995
- Genus *Parvinema* Smales, 2017 (4 species)
 Species *bafunminensis* Smales, 2017
 Species *helgeni* Smales, 2017

- Genus *Pogonomystrostrongylus* Smales, 2014 (3 species)
 Species *domaensis* Smales, 2014
- Genus *Rattustrongylus* Ow-Yang, Durette-Desset & Ohbayashi, 1983 (2 species)
- Genus *Rodentanema* Smales, 2016 (1 species)
 Species *aenigma* Smales, 2016
- Genus *Sabanema* Ow-Yang, Durette-Desset & Ohbayashi, 1983 (5 species)
- Genus *Sanduanensis* Durette-Desset & Digiani, 2015 (2 species)
 Species *dividua* (Smales, 2010) Durette-Desset & Digiani, 2015
 syn *Odilia dividua* Smales, 2010
- Genus *Sciuricola* Durette-Desset, 1983 (2 species)
- Genus *Spalacina* Biserkov Durette-Desset & Genov, 1995 (3 species)
- Genus *Syafruddinema* Celina-Digiani & Durette-Desset, 2014 (6 species)
 Species *annandalei* (Ow-Yang, Durette-Desset & Ohbayashi, 1983) Celina-Digiani
 & Durette-Desset, 2014
 syn *Paraheligionelloides annandalei* (Ow-Yang, Durette-Desset & Ohbayashi,
 1983) Celina-Digiani & Durette-Desset, 2014
- Species *eropeplios* (Hasegawa, Miyata & Syafruddin 1999) Celina-Digiani &
 Durette-Desset, 2014
 syn *Paraheligionelloides eropeplios* (Hasegawa, Miyata & Syafruddin 1999)
 Celina-Digiani & Durette-Desset, 2014
- Species *paruromyos* (Hasegawa, Miyata & Syafruddin 1999) Celina-Digiani &
 Durette-Desset, 2014
 syn *Paraheligionelloides paruromyos* (Hasegawa, Miyata & Syafruddin 1999)
 Celina-Digiani & Durette-Desset, 2014
- Genus *Trichofreitasia* Sutton & Durette-Desset, 1991 (1 species)
- Genus *Trichotravassosia* Lent & Freitas, 1938 (1 species)
- Genus *Viguerastrongylus* Durette-Desset, Digiani, Kilani & Geffard -Kuriyama, 2017 (1
 species)
 Species *cubaensis* (Perez-Vigueras, 1943) Durette-Desset, Digiani, Kilani & Geffard
 -Kuriyama, 2017
 Syn *Paraheligionella cubaensis* Perez-Vigueras, 1943 (Durette-Desset, Digiani,
 Kilani & Geffard -Kuriyama, 2017)
- Genus *Xericola* Durette-Desset, 1974 (1 species)
- Genus *Yatinema* Asakawa & Ohbayashi, 1986 (3 species)
 Species *niigatae* Durette-Desset & Digiani, 2019
 syn *japonicum* sensu Asakawa & Ohbayashi, 1986 partim
- Subtribe **Pudicini** Skryabin & Schikhobalova, 1952 * (10 genera, 55 species)³⁹⁰
- Genus *Acanthostrongylus* Travassos, 1937 (3 species)
 Species *secundus* Guerrero, 2019
- Genus *Duretestrongylus* Guerrero, 1983 (4 species)³⁹¹
- Genus *Freitastrongylus* Goncalves, Pinto & Durett-Desset, 2007 (1 species)
- Genus *Fuellebornema* Travassos & Darriba, 1929 (7 species)³⁹²
- Genus *Heligmostrongylus* Travassos, 1917 (9 species)³⁹³
- Genus *Justinema* R'kha & Durette-Desset, 1991 (3 species)
- Genus *Pseudoheligosomum* Travassos, 1937 (1 species)

390 Created as a subfamily by Durette-Desset (1971) and as a tribe by Skryabin & Schikhobalova (1952).

391 Including 2 species regarded as of uncertain affinities according to Durette-Desset *et al.* (2017).

392 Including a species originally designated as *Heligosomum agoutii* Neiva Cunha & Travassos 1914 and transferred to the new genus *Fullebornema* by Travassos & Darriba (1929) in the sense of Travassos 1937 partim, which was formally described as *Fullebornema neivai* Cassone & Durette-Desset 1991. This species was regarded as *Fulleborna* sp. and the formal name was not accepted by Durette-Desset *et al.* (2017).

393 Species according to Durette-Desset *et al.* (2017).

- Genus *Pudica* Travassos & Darriba, 1929 (19 species)
 Species *cattani* Digiani, Landaeta-Aqueveque, Carolina-Serrano & Notanicola, 2017
 Species *degusi* (Babero & Cattan, 1975) Digiani, Landaeta-Aqueveque, Carolina-Serrano & Notanicola, 2017
 syn *Longistriata degusi* Babero & Cattan, 1975 (Digiani, Landaeta-Aqueveque, Carolina-Serrano & Notanicola, 2017)
 Species *minima* Serrano, Durette-Desset & Digiani, 2019
- Genus *Sciurodendrium* Durette-Desset, 1971 (7 species)³⁹⁴
- Genus *Squamasnema* Cordeiro, De-Vasconcelos-Melo, Furtado, Giese, Maldonado & Dos-Santos, 2015 (1 species)
 Species *amazonica* Cordeiro, De-Vasconcelos-Melo, Furtado, Giese, Maldonado & Dos-Santos, 2015
- Subtribe **Brevistriatini** Durette-Desset, 1971 * (10 genera, 69 species)³⁹⁵
- Genus *Brevistriata* Travassos, 1937 (5 species)³⁹⁶
- Genus *Calypsostrongylus* Schmidt in Schmidt, Myers & Kuntz, 1967 (3 species)³⁹⁷
- Genus *Cordicauda* Durette-Desset, 1971 (12 species)³⁹⁸
- Genus *Doanhnema* Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017 (12 species)
 Species *longipene* (Durette-Desset & Chabaud, 1967) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Brevistriata longipene* Durette-Desset & Chabaud, 1967 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species *malayense* (Durette-Desset, 1976) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Calypsostrongylus malayense* Durette-Desset, 1976 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species *nepalense* (Durette-Desset, 1974) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Brevistriata nepalense* Durette-Desset, 1974 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species *ogdeni* (Durette-Desset, 1969) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Brevistriata ogdeni* Durette-Desset, 1969 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species “sp.” Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Brevistriata skrabini* Schulz & Lubimov, 1932 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
 Species *titasuthi* (Kliks & Durette-Desset, 1976) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
 Syn *Calypsostrongylus titasuthi* Kliks & Durette-Desset, 1976 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)

394 Species according to Durette-Desset *et al.* (2017).

395 Created as a subfamily by Durette-Desset (1971).

396 Including *Brevistriata callosciuri* sensu Matsudate *et al.*, 2003 nec Wang 1981, which is regarded as uncertain by Durette-Desset *et al.* (2017).

397 Including a species originally designated as *Brevistriata skrabini* Schulz & Lubimov 1932, which was informally described as *Calypsostrongylus* sp. and the previous formal name was not accepted but a new combination was formally proposed by Durette-Desset *et al.* (2017). Also including *Calypsostrongylus critatus* (Gedoelst 1917) Durette-Desset 1976, which is of uncertain placement according to Durette-Desset *et al.* (2017).

398 Species according to Durette-Desset *et al.* (2017).

- Genus *Fissicauda* Durette-Desset & Krishnasamy, 1976 (7 species)³⁹⁹
- Genus *Glistrongylus* Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017 (1 species)
- Species *gracilis* (Leuckart, 1842) Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
- Syn *Strongylus gracilis* Leuckart, 1842 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
- Genus *Kuala* Durette-Desset & Krishnasamy, 1976 (2 species)⁴⁰⁰
- Genus *Paraheligmonina* Ortlepp, 1939 (20 species)⁴⁰¹
- Genus *Quentinstrongylus* Durette-Desset, 1969 (1 species)
- Genus *Srivastavanema* Singh, 1962 (6 species)⁴⁰²
- Subtribe **Nippostrongyliini** Durette-Desset, 1971 * (16 genera, 132 species)⁴⁰³
- Genus *Carolinensis* Travassos, 1937 (7 species)
- Genus *Euzetoda* Elias & Durette-Desset, 2003 (1 species)
- Genus *Gobindonema* Sood & Parshad, 1974 (1 species)
- Genus *Hassalstrongylus* Durette-Desset, 1971 (19 species)
- Species *luquei* Costa, Maldonado-Junior, Boia, Lucio & Simoes, 2014
- Genus *Heligmonina* Baylis, 1928 (20 species)
- Genus *Heligmonoides* Baylis, 1928 (13 species)
- Genus *Hypocristata* Durette-Desset, 1971 (3 species)
- Genus *Malvinema* Digiani, Sutton & Durette-Desset, 2003 (4 species)
- Genus *Mammanidula* Sadovskaja, 1952 (3 species)
- Genus *Metheligmonella* Durette-Desset, 1971 (2 species)
- Genus *Missimstrongylus* Smales, 2018 (1 species)
- Species *oweni* Smales, 2018
- Genus *Neoheligmonella* Durette-Desset, 1971 (15 species)
- Genus *Nippostrongylus* Lane, 1923 (8 species)
- Species *smalesae* Hasegawa, Dewi, Fitriana & Asakawa, 2017
- Genus *Orientostrongylus* Durette-Desset, 1971 (6 species)
- Genus *Stilestrongylus* Freitas, Lent & Almeida, 1937 (26 species)
- Species *kaaguypporai* Panisse & Digiani, 2018
- Species *rolandoi* Boullosa, Simoes, Andrade-Silva, Gentile & Maldonado, 2019
- Genus *Suttonema* Digiani & Durette-Desset, 2003 (3 species)
- Subtribe **Tricholinsowinii** Durette-Desset, Kilani & Geffard-Kuriyama, 2017 * (2 genera, 15 species)⁴⁰⁴
- Genus *Moguranema* Yamaguti, 1941 (3 species)
- Species “sp.” Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
- Syn *nipponicum* sensu Yokohata, Abe & Kamiya, 1988 nec Yamaguti, 1941 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
- Genus *Tricholinstowia* Travassos, 1937 (12 species)
- Species “sp. 1” Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
- Syn *talpae* sensu Yokohata, Abe, Jiang & Kamiya, 1989 nec Morgan, 1928 (Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017)
- Species “sp. 2” Durette-Desset, Digiani, Kilani & Geffard-Kuriyama, 2017
- Syn *talpae* sensu Sakata & Asakawa, 2003 nec Morgan, 1928 (Durette-Desset,

399 Including 2 species originally designated as *Brevistriata sundasiuri* Schmidt Myers & Kunz 1967, and formally described as such, but which was changed to the combination *Fissicauda sundasiuri* (Schmidt Myers & Kunz 1967) Durette-Desset 1976, and part of which was then designated as “sp. 1” and part as “sp.2” by Durette-Desset *et al.* (2017).

400 Species according to Durette-Desset *et al.* (2017).

401 Species according to Durette-Desset *et al.* (2017).

402 Species according to Durette-Desset *et al.* (2017).

403 Created as a subfamily by Durette-Desset (1971).

404 Created as a subfamily by Durette-Desset *et al.* (2017).

Digiani, Kilani & Geffard-Kuriyama, 2017)

- Tribe **Herpetostrongylini** Skryabin & Schulz, 1937 * (2 subtribes, 11 genera, 54 species)^{405 406}
Subtribe **Globocephaloidinii** Inglis, 1968 * (2 genera, 4 species)⁴⁰⁷
Genus *Amphicephaloides* Beveridge, 1979 (1 species)
Genus *Globocephaloides* Yorke & Maplestone, 1926 (3 species)
Subtribe **Herpetostrongylini** Skryabin & Schulz, 1937 * (9 genera, 50 species)⁴⁰⁸
Genus *Austrostrongylus* Chandler, 1924 (13 species)
Genus *Beveridgiella* Humphery-Smith, 1981 (4 species)
Genus *Dessetstrongylus* Humphery-Smith, 1981 (3 species)
Genus *Herpetostrongylus* Baylis, 1931 (4 species)
Species *paramelomysi* Smales & Heinrich, 2010
Genus *Nasistrongylus* Durette-Desset & Beveridge, 1982 (1 species)
Genus *Paraustrostrongylus* Mawson, 1973 (6 species)
Genus *Patricialina* Inglis, 1968 (6 species)
Genus *Vaucherus* Durette-Desset, 1980 (3 species)
Genus *Woolleya* Mawson, 1973 (10 species)
Tribe **Ichthyostrongylini** Yamaguti, 1961 * (1 subtribe, 2 genera, 5 species)⁴⁰⁹
Subtribe **Ichthyostrongylini** Yamaguti, 1961 * (2 genera, 5 species)
Genus *Ichthyostrongylus* Mawson, 1954 (2 species)
Genus *Neoichthyostrongylus* Naqvi & Gupta, 1987 (3 species)
Tribe **Nicollinini** Skryabin & Shultz, 1937 (1 subtribe, 2 genera, 10 species)^{410 411}
Subtribe **Nicollinini** Skryabin & Schulz, 1937 * (2 genera, 10 species)
Genus *Copemania* Durette-Desset & Beveridge, 1981 (1 species)
Genus *Nicollina* Baylis, 1930 (9 species)
Tribe **Ornithostrongylini** Travassos, 1937 * (2 subtribes, 11 genera, 43 species)⁴¹²
Subtribe **Inglaminii** Durette-Desset, Denke & Murua * (1 genus, 2 species)⁴¹³
Genus *Inglamidum* Durette-Desset, Denke & Murua, 1976 (2 species)
Subtribe **Ornithostrongylini** Travassos, 1937 * (10 genera, 41 species)⁴¹⁴
Genus *Allintoshius* Chitwood, 1937 (8 species)
Genus *Columbostrongylus* Puylear, 1968 (1 species)
Genus *Lutzinema* Lent & Freitas, 1934 (1 species)
Genus *Ornithonema* Travassos, 1935 (1 species)
Genus *Ornithostrongylus* Travassos, 1914 (10 species)
Genus *Oswaldostrongylus* Lent & Freitas, 1934 (2 species)
Genus *Passeristrongylus* Jansen, 1985 (1 species)
Genus *Sutarostongylus* Beveridge & Durette-Desset, 1986 (2 species)
Genus *Vexillata* Travassos, 1937 (11 species)
Genus *Wanaristrongylus* Jones, 1987 (4 species)
Tribe **Viannainii** Neveu-Lemaire, 1944 * (2 subtribes, 9 genera, 53 species)⁴¹⁵
Subtribe **Viannainii** Neveu-Lemaire, 1944 * (8 genera, 52 species)
Genus *Avellaria* Freitas & Lent, 1934 (2 species)

405 Included here by Ben Slimane *et al.* (1996).

406 Created as a subfamily by Skryabin & Shultz (1937), and as a family by Durette-Desset & Chabaud (1981).

407 Created as a subfamily by Inglis (1968).

408 Created as a subfamily by Skryabin & Shultz (1937), and as a family by Durette-Desset & Chabaud (1981).

409 Originally created as a family by Yamaguti (1961).

410 Placed here on the basis of similarity to Herpetostrongylinae (Beveridge *et al.* 2010).

411 Raised to family by Durette-Desset & Chabaud (1981).

412 Created as a subfamily by Travassos (1937), and as a family by Durette-Desset & Chabaud (1981).

413 Created as a subfamily by Durette-Desset *et al.* (1976).

414 Created as a subfamily by Travassos (1937), and as a family by Durette-Desset & Chabaud (1981).

415 Created as a subfamily by Neveu-Lemaire (1944), and as a family by Durette-Desset & Chabaud (1981).

- Genus *Ierestrongylus* Cameron, 1935 (1 species)
 Genus *Nesomystrongylus* Durette-Desset, Lethonen & Haukisalmi, 2002 (1 species)
 Genus *Oswaldonema* Travassos, 1927 (3 species)
 Genus *Squamostrongylus* Travassos, 1937 (2 species)
 Genus *Travassostrongylus* Orloff, 1933 (11 species)
 Species *scheibelorum* Scheibel, Catzefflis & Jimenez, 2014
 Genus *Viannaia* Travassos, 1914 (17 species)
 Genus *Viannella* Travassos, 1918 (15 species)
 Subtribe **Hydrochoerisnematini** Arantes & Artigas, 1983 * (1 genus, 1 species)⁴¹⁶
 Genus *Hydrochoerisnema* Arantes & Artigas, 1980 (1 species)
 Subfamily **Molineinae** Skryabin & Shultz, 1937 (4 tribes, 10 subtribes, 74 genera, 416 species)⁴¹⁷
 Tribe **Amphibiophilini** Durette-Desset & Chabaud, 1981 * (2 subtribes, 5 genera, 15 species)⁴¹⁸
 Subtribe **Amphibiophilini** Durette-Desset & Chabaud, 1981 * (3 genera, 11 species)⁴¹⁹
 Genus *Amphibiophilus* Skryabin, 1916 (7 species)⁴²⁰
 Subgenus *Amphibiophilus* Skryabin, 1916 (7 species)
 Genus *Batrachostrongylus* Yuen, 1963 (1 species)
 Genus *Graphidiella* Olsen, 1948 (3 species)
 Subtribe **Johnpearsoniini** Durette-Desset, Ben-Slimane, Cassone, Barton & Chabaud, 1994 *
 (2 genera, 4 species)⁴²¹
 Genus *Johnpearsonia* Durette-Desset, Ben-Slimane, Cassone, Barton & Chabaud, 1994 (1
 species)
 Genus *Batrachonema* Yuen, 1965 (3 species)
 Tribe **Mackerrastrongylini** Inglis, 1968 * (2 subtribes, 7 genera, 17 species)⁴²²
 Subtribe **Mackerrastrongylini** Inglis, 1968 (4 genera, 10 species)⁴²³
 Genus *Asymmetracantha* Mawson, 1960 (1 species)
 Genus *Mackerrastrongylus* Mawson, 1960 (4 species)
 Genus *Sprattellus* Durette-Desset & Cassone, 1981 (3 species)
 Genus *Tetrabothriostongylus* Mawson, 1960 (2 species)
 Subtribe **Tasmanematini** Durette-Desset & Chabaud, 1981 * (3 genera, 7 species)⁴²⁴
 Genus *Tachynema* Durette-Desset & Cassone, 1983 (2 species)
 Genus *Tasmanema* Durette-Desset & Cassone, 1983 (2 species)
 Genus *Zaglonema* Durette-Desset & Beveridge, 1981 (3 species)
 Tribe **Strongylacanthini** Yorke & Maplestone, 1926 * (1 subtribe, 1 genus, 4 species)⁴²⁵
 Subtribe **Strongylacanthini** Yorke & Maplestone, 1926 *
 Genus *Strongylacantha* Van-Beneden, 1873 (4 species)
 Tribe **Molineini** Skryabin & Schulz, 1937 * (5 subtribes, 61 genera, 380 species)
 Subtribe **Anoplostrongylini** Chandler, 1938 * (24 genera, 88 species)⁴²⁶
 Genus *Anoplostrongylus* Boulenger, 1926 (2 species)
 Genus *Biacantha* Wolfgang, 1954 (1 species)
 Genus *Bidigiticauda* Chitwood, 1938 (4 species)
 Species *serafirei* De-Oliviera-Simoes, Fraga-Neto, Vilar, Maldonado & Val-Vilela,

416 Created as a subfamily by Arantes & Artigas (1983).

417 Raised to family by Durette-Desset & Chabaud (1977).

418 Created as a family by Durette-Desset & Chabaud (1981).

419 Created as a family by Durette-Desset & Chabaud (1981).

420 Subgenus explicitly defined by Skryabin (1916).

421 Created as a subfamily by Durette-Desset Ben Slimane Cassone Barton & Chabaud (1994).

422 Created as a subfamily by Inglis (1968), and as a family by Durette-Desset & Chabaud (1981).

423 Created as a subfamily by Inglis (1968), and as a family by Durette-Desset & Chabaud (1981).

424 Created as a subfamily by Durette-Desset & Chabaud (1981).

425 Created as a subfamily by Yorke & Maplestone (1926), and as a family by Chabaud (1960).

426 Created as a subfamily by Chandler (1938).

- Genus *Bradyostrongylus* Price, 1928 (2 species)
 Genus *Caenostrongylus* Lent & Freitas, 1938 (1 species)
 Genus *Cheiropterone* Sandground, 1929 (1 species)
 Genus *Delicata* Travassos, 1935 (10 species)
 Genus *Durettinema* Ju, Li & Zhang, 2017 (4 species)
 Species *guangdongense* Ju, Li & Zhang, 2017
 Species *rinolphi* (Yin, 1980) Ju, Li & Zhang, 2017
 syn *Maciela rinolphi* Yin, 1980 (Ju, Li & Zhang, 2017)
 Genus *Filicapitis* Travassos, 1949 (1 species)
 Genus *Fontesia* Travassos, 1928 (2 species)
 Genus *Graphidiops* Lent & Freitas, 1938 (7 species)
 Genus *Histiostrongylus* Molin, 1861 (4 species)
 Genus *Macuahuitloides* Jimenez, Peralta-Rodriguez, Caspeta-Mandujano & Ramirez-Diaz,
 2014 (1 species)
 Species *inexpectans* Jimenez, Peralta-Rodriguez, Caspeta-Mandujano & Ramirez-
 Diaz, 2014
 Genus *Maciela* Travassos, 1935 (8 species)
 Genus *Moennigia* Travassos, 1935 (18 species)
 Species *celinae* Ezquiaga & Navone, 2014
 Genus *Neohistiostrongylus* Barus & Valle, 1967 (1 species)
 Genus *Paragraphidium* Teixeira de Freitas & Machado de Mendonca, 1959 (1 species)
 Genus *Parahistiostrongylus* Perez-Vigueras, 1940 (1 species)
 Genus *Spinostongylus* Travassos, 1935 (4 species)
 Genus *Tadaridanema* Falcon-Ordaz, Guzman-Cornejo, Garcia-Prieto & Gardner, 2006 (1
 species)
 Genus *Torrestrongylus* Vigueras, 1935 (3 species)
 Species *tetradorsalis* Caspeta-Mandujano, Peralta-Rodriguez, Galindo-Garcia &
 Jimenez, 2015
 Genus *Trichohelix* Ortlepp, 1922 (2 species)
 Genus *Tricholeiperia* Travassos, 1935 (6 species)
 Genus *Trifurcata* Schulz, 1926 (3 species)
 Subtribe **Mertensinematini** Sharpilo, 1976 * (3 genera, 4 species)⁴²⁷
 Genus *Borrellostrongylus* Gutierrez, 1945 (1 species)
 Genus *Mertensinema* Sharpilo, 1976 (2 species)
 Genus *Zygocaulus* Hasegawa, 2019 (1 species)
 Species *nagoensis* Hasegawa, 2019
 Subtribe **Molineini** Skryabin & Schulz, 1937 * (28 genera, 221 species)
 syn Dromaeostrongylini Skryabin & Schulz, 1937 *⁴²⁸
 Genus *Angulocirrus* Biocca & Le-Roux, 1957 (1 species)
 Genus *Bakeria* Moravec & Sey, 1986 (3 species)
 Species *schadi* Bursey, Goldberg & Grismer, 2014
 Genus *Brevigraphidium* Teixeira-De-Freitas & Machado-De-Mendonca, 1960 (1 species)
 Genus *Brygoonema* Durette-Desset & Chabaud, 1981 (10 species)
 Genus *Carostrongylus* Durette-Desset & Vaucher, 1989 (1 species)
 Genus *Dollfusstrongylus* Quentin, 1970 (1 species)
 Genus *Dromaeostrongylus* Lubimow, 1933 (1 species)
 Genus *Hepatojarakus* Yeh, 1955 (4 species)
 Genus *Hugotnema* Durette-Desset & Chabaud, 1981 (5 species)

427 Created as a subfamily by Sharpilo (1976).

428 Created as a tribe by Skryabin & Schultz (1937), and as a family by Durette-Desset & Chabaud (1981), placed in Molineinae (here tribe Molineini) by Durette-Desset *et al.* (1999).

- Genus *Kentropyxia* Baker, 1982 (3 species)
 Species *hylae* Das-Neves-Feitosa, Furtado-Dos-Santos & De-Vasconcelos-Melo, 2015
- Genus *Lamanema* Becklund, 1963 (1 species)
- Genus *Molineus* Cameron, 1923 (30 species)
 Species *lotoris* Marroquin-Mucino, Osorio-Sarabia, Garcia-Preto & Mata-Lopez, 2017
- Genus *Molinostrongylus* Skarbilovitch, 1934 (18 species)
- Genus *Molostrongylus* Durette-Desset & Vaucher, 1996 (2 species)
- Genus *Nochtia* Travassos & Vogelsang, 1929 (5 species)
 Subgenus *Nochtia* Travassos & Vogelsang, 1929 (2 species)
 Subgenus *Tenrecola* Durette-Desset & Chabaud, 1981 (3 species)
- Genus *Nycteridostrongylus* Baylis, 1930 (2 species)
 Subgenus *Nycteridostrongylus* Baylis, 1930 (1 species)
 Subgenus *Petiellus* Durette-Desset & Chabaud, 1975 (1 species)
- Genus *Ortleppstrongylus* Durette-Desset, 1970 (1 species)
- Genus *Oswaldocruzia* Travassos, 1917 (93 species)
 Species *lamotheargumendoi* Ruiz-Torres, Garcia-Prieto, Osoria-Sarabia & Violante-Gonzales, 2013
 Species *lacertica* Svitin, 2017
 Species *lisnykiensis* Svitin, 2017
 Species *filiformis* (Goeze, 1782) Skrjabin & Schultz, 1952
 Species *Ascaris filiformis* Goeze, 1782 (Skrjabin & Schultz, 1952)
 syn *Oswaldocruzia molgeta* (Lewis, 1928) Sinsch, Heneberg, Tesinsky, Balczun & Scheid, 2019
- Genus *Pithecostrongylus* Lubimov, 1930 (4 species)
- Genus *Poekilostrongylus* Schmidt & Whittaker, 1975 (2 species)
- Genus *Ragenema* Ben-Slimane, Chabaud & Durette-Desset, 1996 (1 species)
- Genus *Schulzia* Travassos, 1937 (6 species)
- Genus *Shattuckius* Sandground, 1938 (1 species)
- Genus *Tenuostrongylus* Le-Roux, 1933 (1 species)
- Genus *Trichocheenia* Kou, 1958 (3 species)
- Genus *Trichoskrjabinia* Travassos, 1937 (3 species)
- Genus *Tupaiostongylus* Dunn, 1963 (2 species)
- Genus *Typhlopsia* Barus & Coy-Otero, 1978 (9 species)
- Subtribe **Nematodirini** Neveu-Lemaire, 1934 * (5 genera, 65 species)⁴²⁹
 Genus *Murielus* Dikmans, 1939 (2 species)
 Genus *Nematodirella* Yorke & Maplestone, 1926 (7 species)
 Genus *Nematodiroides* Bernard, 1967 (1 species)
 Genus *Nematodirus* Ransom, 1907 (47 species)
 Genus *Rauschia* Durette-Desset, 1979 (8 species)
- Subtribe **Ollulanini** Hall, 1916 * (1 genus, 2 species)⁴³⁰
 Genus *Ollulanus* Leuckart, 1865 (2 species)
- Suborder **Agfaina** Hodda, 2007 (1 superfamily, 1 family, 1 subfamily, 1 genus, 3 species)⁴³¹
 Superfamily **Agfoidea** Dougherty, 1955 (Hodda, 2007) (1 family, 1 subfamily, 1 genus, 3 species)

429 Created as a subfamily by Neveu Lemaire (1934).

430 Created as a subfamily by Hall (1916).

431 Placed with moderate support in Peloderidae on molecular evidence (Ross *et al.* 2010), but other molecular evidence is lacking (De Ley & Blaxter 2004). The position of Agfidae is unresolved on morphological evidence (Ribas & Casanova 2002, Inglis 1983), and it has been placed within Cylindrocorporoidea, Myolaimidae and Rhabditomorpha. There are only 3 species of the family, which are all parasites of slugs. All have an unusual combination of characters, some of which may be plesiomorphic for Rhabditina, and some of which may be apomorphic hence its current placement as a suborder. More investigation is required.

- Family **Agfidae** Dougherty, 1955 (1 subfamily, 1 genus, 3 species)
 Subfamily **Agfinae** Dougherty, 1955 * (1 genus, 3 species)
 Tribe **Agfini** Dougherty, 1955 *
 Subtribe **Agfinii** Dougherty, 1955 *
 Genus *Agfa* Chitwood, 1935 (3 species)
- Suborder **Angiostomatina** n. suborder (1 superfamily, 1 family, 1 subfamily, 3 genera, 23 species)
 Superfamily **Angiostomatoidea** R. Blanchard, 1895 * n. rank (1 family, 1 subfamily, 3 genera, 23 species)
 Family **Angiostomatidae** R. Blanchard, 1895 (1 subfamily, 3 genera, 23 species)
 Subfamily **Angiostomatinae** R. Blanchard, 1895 * (3 genera, 23 species)
 Tribe **Angiostomatini** R. Blanchard, 1895 *
 Subtribe **Angiostomatini** R. Blanchard, 1895 *
 Genus *Angiostoma* Dujardin, 1845 (21 species)
 Species *gandvanensis* Singh, Couvrier, Decraemer & Bert, 2019
 Species *namekuji* Waki, Hino & Umeda, 2018
 Species *norvegicum* Ross, Haukeland, Hatteland & Ivanova, 2017
 Genus *Aulacnema* Van, Luc, Spiridonov & Wilson, 2005 (1 species)
 Genus *Noteodiplogaster* De-Villalobos, Camino & Reboredo, 1998 (1 species)
- Order **Spirurida** Railliet, 1915 (5 suborders, 20 superfamilies, 58 families, 109 subfamilies, 764 genera, 6836 species)⁴³²
 Suborder **Spirurina** Railliet & Henry, 1915 (10 superfamilies, 22 families, 40 subfamilies, 312 genera, 3084 species)⁴³³
 Superfamily **Camallanoidea** Railliet & Henry, 1915 (Travassos, 1920) (2 families, 4 subfamilies, 31 genera, 699 species)
 Family **Camallanidae** Railliet & Henry, 1915 (1 subfamily, 9 genera, 385 species)
 Subfamily **Camallaninae** Railliet & Henry, 1915 * (9 genera, 385 species)
 Tribe **Camallanini** Railliet & Henry, 1915 *
 Subtribe **Camallaninii** Railliet & Henry, 1915 *
 Genus *Camallanides* Baylis & Daubney, 1922 (13 species)
 Genus *Camallanus* Railliet & Henry, 1915 (124 species)
 Species *emydidius* Mascarenhas & Mueller, 2017
 Species *senaruensis* Purwaningsih, Dewi & Nugroho, 2016
 Species *sodwanaensis* Svitin, Truter, Kudlai, Smit & Du-Preez, 2019
 Genus *Malayocamallanus* Jothy & Fernando, 1971 (1 species)
 Genus *Neoparacamallanus* Bilqees & Akram, 1982 (14 species)
 Genus *Oncophora* Diesing, 1851 (3 species)
 Genus *Paracamallanus* Yorke & Maplestone, 1926 (10 species)
 Genus *Platocamallanus* Bilqees & Akram, 1982 (2 species)
 Genus *Procamallanus* Baylis, 1923 (211 species)
 Subgenus *Aspiculus* Ali, 1960 (1 species)
 Subgenus *Denticamallanus* Moravec & Thatcher, 1997 (1 species)
 Subgenus *Procamallanus* Baylis, 1923 (93 species)
 syn *Procamallanides* Khera, 1956⁴³⁴
 Species *pseudolaeviconchus* Moravec & Van-As, 2015
 Species *spiculastratus* Pinheiro, Melo, Monks, Santos & Giese, 2018
 Subgenus *Punctocamallanus* Moravec & Scholz, 1991 (1 species)
 Subgenus *Spirocamallanus* Olsen, 1952 (115 species)
 Species *bothi* Moravec & Justine, 2019

432 Spermatogenesis and development provide evidence for the separation of Spirurida, Rhabditida and Panagrolaimida (Yushin & Malakhov 2004, Schierenberg & Lahl 2004).

433 Originally named suborder Spirurata (Railliet & Henry 1915) prior to adoption of current system of uniform endings of higher-ranked taxon names. First used in current form by Chitwood (1937).

434 Proposed as a genus by Khera (1956).

- Species *dispar* Moravec & Justine, 2019
 Species *hexoptalmatis* Moravec & Justine, 2019
 Species *juana* Ramallo & Ailan-Choke, 2017
 Species *jiriensis* Sanachoaba & Gambhir, 2018
 Species *parachannae* Moravec & Jirku, 2015
 Species *pseudospiralis* Moravec & Scholz, 2017
 Species *serranochromis* Moravec & Van-As, 2015
 Species *sinespinis* Moravec & Justine, 2017
 Species *synodi* Moravec & Justine, 2019
 Species *thallassomatis* Moravec & Justine, 2019
 Species 1 Moravec, Taraschewski, Anantaphruti, Maipanich & Laoprasert, 2006
 Species 2 Moravec, Taraschewski, Anantaphruti, Maipanich & Laoprasert, 2006
 Species 3 Moravec, Taraschewski, Anantaphruti, Maipanich & Laoprasert, 2006
 Genus *Serpinema* Yeh, 1960 (7 species)
 Species *cayennensis* Harnoster, Svitin & Du-Preez, 2019
 Family **Physalopteridae** Railliet, 1893 (Leiper, 1908) (3 subfamilies, 22 genera, 314 species)
 Subfamily **Physalopterinae** Railliet, 1893 (16 genera, 226 species)
 Tribe **Physalopterini** Railliet, 1893 *
 Subtribe **Physalopterini** Railliet, 1893 *
 Genus *Abbreviata* Travassos, 1920 (44 species)
 Genus *Didelphyoptera* Schulz, 1927 (1 species)
 Genus *Didelphysoma* Schulz, 1927 (1 species)
 Genus *Kreisiella* Jones, 1985 (2 species)
 Genus *Mooleptus* Ozdikmen, 2010 nom nov. pro *Metaleptus* Machida, Ogawa & Okiyama, 1982 nec *Metaleptus* Bates, 1880 (Coleoptera: Cerambycidae) (1 species)
 Genus *Mirzalloptera* Wason & Johnson, 1977 (1 species)
 Genus *Neoleptus* Specian, Ubelaker & Dailey, 1975 (1 species)
 Genus *Ochetocephalus* Linstow, 1907 (1 species)
 Genus *Paraphysaloptera* Gupta & Jehan, 1971 (2 species)
 Genus *Pentadentoptera* Schachnasarova, 1949 (5 species)
 Genus *Physaloptera* Rudolphi, 1819 (144 species)
 syn *Piscinema* Gambhir & Ng, 2014 ⁴³⁵
 Subgenus *Chlamydonema* Noordhoek, 1910 (8 species)
 Subgenus *Physaloptera* Rudolphi, 1819 (134 species)
 Species *amazonica* Maldonado, Simoes, Luiz, Costa-Neto & Vilela, 2019
 Species *bainae* Pereira, Alves, Rocha, Lima & Luque, 2014
 Species *barakensis* Gambhir & Ng, 2014 ⁴³⁶
 Species *goytaca* Ederli, Mello-Gallo, Oliviera & Rodriguez-De-Oliviera, 2018
 Subgenus *Tetradelphynema* Schulz, 1927 (1 species)
 Subgenus *Tridelphynema* Schulz (1 species)
 Genus *Polydelphyoptera* Schulz, 1927 (1 species)
 Genus *Pseudabbreviata* Lichtenfels & Quigley, 1968 (4 species)
 Genus *Pseudophysaloptera* Baylis, 1934 (8 species)
 Genus *Skrijabinoptera* Schulz, 1927 (8 species)
 Genus *Turgida* Schulz, 1927 (2 species)
 Subfamily **Proleptinae** Schulz, 1927 (4 genera, 44 species)⁴³⁷
 Tribe **Proleptini** Schulz, 1927 *
 Subtribe **Proleptinii** Schulz, 1927 *

435 Regarded as genus inquirendum and incertae sedis by Moravec (2014).

436 Regarded as species inquirendum and incertae sedis by Moravec (2014).

437 Raised to family by Skryabina (1968).

- Genus *Heliconema* Travassos, 1919 (21 species)⁴³⁸
 Species *anguillae* Yamaguti, 1935⁴³⁹
 Species *monopteri* Moravec, Chaudhary & Singh, 2019
 Species *pisodonophidis* Moravec, Chaudhary & Singh, 2019
- Genus *Paraleptus* H.W. Wu, 1927 (6 species)
 Genus *Proleptus* Dujardin, 1845 (10 species)
 Genus *Rasheedia* Moravec & Justine, 2018 nom. nov. pro *Bulbocephalus* Rasheed, 1966
 nec *Bulbocephalus* Watson, 1916 (Apicomplexa) (7 species)
 Species *heptacanthi* Moravec & Justine, 2018
 Species *novaecaledoniensis* Moravec & Justine, 2018
- Subfamily **Thubunaecinae** Sobolev, 1949 (Chabaud, 1975) (2 genera, 44 species)
 Tribe **Thubunaecini** Sobolev, 1949
 Subtribe **Thubunaecinii** Sobolev, 1949 *
 Genus *Physalopteroides* Wu & Liu, 1940 (20 species)
 Species *grismeri* Bursey & Goldberg, 2016
 Genus *Thubunaea* Seurat, 1914 (24 species)
 Species *eleodori* Ramallo Goldberg, Bursey, Castillo & Acosta, 2017
 Species *leonregagnonae* Garduno-Montes-De-Oca, Lopez-Caballero & Mata-Lopez, 2017
- Superfamily **Rictularoidea** Hall, 1916 (Anderson, Chabaud & Wilmott, 1974) (1 family, 1 subfamily, 5 genera, 100 species)
 Family **Rictulariidae** Hall, 1916 (Railliet, 1916) (1 subfamily, 5 genera, 100 species)
 Subfamily **Rictulariinae** Hall, 1916 (5 genera, 100 species)
 Tribe **Rictulariini** Hall, 1916 *
 Subtribe **Rictulariini** Hall, 1916 *
 Genus *Pseudorictularia* Dollfus & Desportes, 1945 (1 species)
 Genus *Pterygodermatites* Wedl, 1861 (38 species)
 Subgenus *Mesopectines* Quentin, 1969 (4 species)
 Subgenus *Multipectines* Quentin, 1969 (5 species)
 Subgenus *Neopaucipectines* Quentin, 1969 (2 species)
 Subgenus *Paucipectines* Quentin, 1969 (10 species)
 Species *andyraicola* Cardia, Tebaldi, Fornazari, Menozzi, Langoni, Nascimento, Bresciani, Lux & Hoppe, 2015
 Species *argentiniensis* Ezquiaga, Rios, Abba & Navone, 2017
 Species *baiomydis* Lynggaard, Garcia-Prieto, Guzman-Cornejo & Osorio-Sarabia, 2014
 Subgenus *Pterygodermatites* Wedl, 1861 (17 species)
 Species *atlanticaensis* Simoes, Brant-Moreira & Reis-Leite, 2019
 Species *carstairsi* (Mawson, 1971) Smales, 2018
 syn *Rictularia carstairsi* Mawson, 1971
 Species *pearsoni* (Mawson, 1971) Smales, 2018
 syn *Rictularia pearsoni* Mawson, 1971
 Genus *Rictularia* Froelich, 1802 (59 species)
 Genus *Rictularina* Johnston & Mawson, 1941 (1 species)
 Genus *Rictularioides* Hall, 1916 (1 species)
- Superfamily **Thelazioidea** Railliet, 1910 (Sobolev, 1949) (3 families, 4 subfamilies, 22 genera, 290 species)
 Family **Thelaziidae** Railliet, 1910 (2 subfamilies, 7 genera, 82 species)
 Subfamily **Oxyspirurinae** Skryabin, 1916 (Chabaud, 1975) (1 genus, 50 species)
 Tribe **Oxyspirurini** Skryabin, 1916 *
 Subtribe **Oxyspirurini** Skryabin, 1916 *

438 Species number according to Moravec *et al.* (2019).

439 Not a synonym of *Heliconema longissimum* (Ortlep 1922) according to Katahira & Nagasawa (2015).

- Genus *Oxyspirura* Draesche in Stossich, 1897 (50 species)
 Subgenus *Barusispirura* Chabaud, 1975 (2 species)
 Subgenus *Caballeroispirura* Barus, 1963 (1 species)
 Subgenus *Cramispirura* Skryabin, 1931 (10 species)
 Subgenus *Hamulofilaria* Chandler, 1924 (1 species)
 Subgenus *Molinospirura* Rodrigues, 1964 (1 species)
 Subgenus *Oxyspirura* Draesche in Stossich, 1897 (35 species)
- Subfamily **Thelaziinae** Railliet, 1910 (Skryabin, 1915) (6 genera, 32 species)
 Tribe **Thelaziini** Railliet, 1910 *
 Subtribe **Thelaziinii** Railliet, 1910 *
 Genus *Ceratospira* Schneider, 1866 (4 species)
 Genus *Hempelia* Vaz, 1937 (1 species)
 Genus *Pancreatonema* McVicar & Gibson, 1975 (1 species)
 Genus *Pericyema* Railliet, 1925 (1 species)
 Genus *Thelazia* Bosc in Blainville, 1819 (24 species)
 Subgenus *Thelazia* Bosc, 1819 (17 species)
 Subgenus *Thelaziella* Travassos, 1918 (7 species)
 Genus *Thylaconema* Chandler, 1929 (1 species)
- Family **Rhabdochonidae** Travassos, Artigas & Pereira, 1928 (Skryabin, 1946) (1 subfamily, 12 genera, 198 species)
 Subfamily **Rhabdochoninae** Travassos, Artigas & Pereira, 1928 * (12 genera, 198 species)
 Tribe **Rhabdochonini** Travassos, Artigas & Pereira, 1928 *
 Subtribe **Rhabdochoninii** Travassos, Artigas & Pereira, 1928 *
 Genus *Beaninema* Caspeta, Mandujano, Moravec & Salgado-Maldonado, 2001 (1 species)
 Genus *Fellicola* Petter & Koie, 1993 (1 species)
 Genus *Freitasia* Barus & Coy-Otero, 1968 (1 species)
 Genus *Hepatinema* Rasheed, 1964 (2 species)
 Genus *Heptochona* Rasheed, 1965 (7 species)
 Genus *Johnstonmawsonia* Campana-Rouget, 1955 (7 species)
 Genus *Johnstonmawsonoides* Machida, 1975 (1 species)
 Genus *Prosungulonema* Roytman, 1963 (4 species)⁴⁴⁰
 Species *africana* (Moravec & Puylaert, 1970) Moravec, Gey & Justine, 2016
 syn *Johnstonmawsonia africana* Moravec & Puylaert, 1970 (Moravec, Gey & Justine, 2016)
 Species *campanae* (Puylaert, 1973) Moravec, Gey & Justine, 2016
 syn *Johnstonmawsonia campanae* Puylaert, 1970 (Moravec, Gey & Justine, 2016)
 Genus *Rhabdochona* Railliet, 1916 (169 species)
 Subgenus *Filochona* Saidov, 1953 (11 species)
 Subgenus *Globochona* Moravec, 1972 (10 species)
 Species *puntii* Gonzalez-Solis, Chavan, Kannevad & Gyananath, 2014
 Species *tricuspidata* Moravec & Jirku, 2014
 Subgenus *Globochonoides* Moravec, 1975 (1 species)
 Subgenus *Rhabdochona* Railliet, 1916 (147 species)
 Species *angusticaudata* Moravec & Nagasawa, 2018
 Species *centroafricana* Moravec & Jirku, 2014
 Species *haspani* Kakar Bilqees, Khan & Khan, 2014
 Species *ictaluri* Aguilar-Aguilar, Rosas-Valdez & Perez-Ponce-de-Leon, 2010⁴⁴¹
 Species *indusi* Soofi, Birmani & Darejo, 2017
 Species *marcusenii* Moravec & Jirku, 2014

440 *Prosungulonema* not recognized by Gibbons (2010), but recognized by Moravec *et al.* (2016).

441 Removed from synonymy with *Rhabdochona kideri* by Lagunas-Calvo *et al.* (2019).

- Species *osorioi* Santacruz, Ornelas-Garcia & Perez-Ponce-De-Leon, 2019
 Species *spatulatum* Asmatullah-Kakar & Biquees, 2016
 Genus *Skrjabintectus* Majumdar & Banerjee, 1966 (1 species)
 Genus *Trichospirura* Smith & Chitwood, 1967 (3 species)
 Genus *Vasorhabdochona* Martin & Zam, 1967 (1 species)
 Family **Pneumospiruridae** Wu & Hu, 1938 (1 subfamily, 3 genera, 10 species)
 Subfamily **Pneumospirurinae** Wu & Hu, 1938 * (3 genera, 10 species)
 Tribe **Pneumospirurini** Wu & Hu, 1938 *
 Subtribe **Pneumospirurinii** Wu & Hu, 1938 *
 Genus *Metathelazia* Skinker, 1931 (6 species)
 Genus *Pneumospirura* Wu & Hu, 1938 (1 species)
 Genus *Vogeloides* Orlov, Davtian & Lubimov in Skryabin, 1933 (3 species)
 Superfamily **Spiruroidea** Oerley, 1885 (Railliet & Henry, 1915) (5 families, 7 subfamilies, 36 genera, 189 species)
 Family **Gongylonematidae** Hall, 1916 (Sobolev, 1949) (1 subfamily, 1 genus, 38 species)⁴⁴²
 Subfamily **Gongylonematinae** Hall, 1916 (1 genus, 38 species)
 Tribe **Gongylonematini** Hall, 1916 *
 Subtribe **Gongylonematinii** Hall, 1916 *
 Genus *Gongylonema* Molin, 1857 (38 species)
 Subgenus *Gongylonema* Molin, 1857 (35 species)
 Species *archboldi* Kinsella Robles & Presser, 2016
 Species *nepalensis* Setsuda, Da, Hasegawa, Behnke, Rana, Dhakal & Sato, 2016
 Subgenus *Gongylonemoides* Lent & Freitas, 1937 (2 species)
 Subgenus *Progongylonema* Hernandez-Rodriguez & Gutierrez-Palomino, 1992 (1 species)
 Family **Spiruridae** Oerley, 1885 (1 subfamily, 11 genera, 60 species)
 Subfamily **Spirurinae** Oerley, 1885 * (11 genera, 60 species)
 Tribe **Spirurini** Oerley, 1885 *
 Subtribe **Spirurinii** Oerley, 1885 *
 Genus *Bancroftinema* Johnston & Mawson, 1941 (1 species)
 Genus *Chlamydroprocta* Chandler, 1954 (1 species)
 Genus *Curvicaudatum* Khatoon, Bilqees, Ghazi & Jaffery, 2004 (1 species)
 Genus *Denticulospirura* Johnston & Mawson, 1941 (1 species)
 Genus *Isospirura* Sood & Parshad, 1972 (1 species)
 Genus *Mastigonema* Dailey & Perrin, 1973 (1 species)
 Genus *Paracyrnea* Gupta & Jaiswal, 1988 (1 species)
 Genus *Paraspirura* Sandground, 1936 (2 species)
 Genus *Protospirura* Seurat, 1914 (19 species)
 Genus *Pseudomazzia* Mujib, Bilqees, Rehana, Ghazi & Haseeb, 2005 (1 species)
 Genus *Spirura* E. Blanchard, 1849 (31 species)
 Species *carajaensis* Da-Costa-Cordeiro, Tiago-De-Vasconcelos-Melo, Maldonado & Nascimento-Dos-Santos, 2015
 Family **Spirocercidae** Chitwood & Wehr, 1932 (Chabaud, 1975) (3 subfamilies, 21 genera, 79 species)
 Subfamily **Ascaropsinae** Alicata & McIntosh, 1933 (9 genera, 39 species)
 Tribe **Ascaropsini** Alicata & McIntosh, 1933 *
 Subtribe **Ascaropsinii** Alicata & McIntosh, 1933 *
 Genus *Ascarops* Van-Beneden, 1873 (9 species)
 Genus *Leiuris* Leuckart, 1850 (3 species)
 Genus *Paraleiuris* Vaz & Pereira, 1929 (1 species)
 Genus *Physocephalus* Diesing, 1861 (9 species)
 Genus *Pygarginema* Kadenatsy, 1948 (2 species)

442 Created as a subfamily by Hall (1916).

- Genus *Simondsia* Cobbold, 1864 (2 species)
 Genus *Spirosprattus* Smales, 2004 (1 species)
 Genus *Streptopharagus* Blanc, 1912 (11 species)
 Genus *Tejeraia* Diaz-Ungria, 1963 (1 species)
 Subfamily **Mastophorinae** Quentin, 1970 (1 genus, 4 species)
 Tribe **Mastophorini** Quentin, 1970 *
 Subtribe **Mastophorinii** Quentin, 1970 *
 Genus *Mastophorus* Diesing, 1853 (4 species)
 Subfamily **Spirocercinae** Chitwood & Wehr, 1932 (11 genera, 36 species)
 Tribe **Spirocercini** Chitwood & Wehr, 1932 *
 Subtribe **Spirocercinii** Chitwood & Wehr, 1932 *
 Genus *Cyathospirura* Baylis, 1934 (6 species)
 Genus *Cylicospirura* Ververs, 1922 (10 species)
 Subgenus *Cylicospirura* Ververs, 1922 (6 species)
 Subgenus *Gastronodus* S N Singh, 1934 (2 species)
 Subgenus *Skrjabinocercina* Matschulsky, 1952 (2 species)
 Genus *Didelphonema* Wolfgang, 1953 (1 species)
 Genus *Mazzia* Khalil & Vogelsang, 1932 (2 species)
 Genus *Neospirocerca* Johnson, 1968 (1 species)
 Genus *Paraspiralatus* Gibbons, Nicholls, Bailey & Samour, 2004 (1 species)
 Genus *Spiralatus* Chabaud, Brygoo & Durette, 1963 (1 species)
 Genus *Spirobakerus* Chabaud & Bain, 1981 (1 species)
 Genus *Spirocerca* Railliet & Henry, 1917 (10 species)
 Species *vulpis* Rojas, Sanchis-Monsonis, Alic, Hodzic, Otranto, Yasur-Landau, Martinez-Carrasco & Baneth 2018
 Genus *Texicospirura* Chitwood & Cordero-De-Campillo, 1966 (1 species)
 Genus *Vigisospirura* Petrow & Potekhina, 1953 (2 species)
 Family **Hartertiidae** Quentin, 1970 (Chabaud, 1975) (1 subfamily, 2 genera, 11 species)
 Subfamily **Hartertiinae** Quentin, 1970 (2 genera, 11 species)
 Tribe **Hartertiini** Quentin, 1970 *
 Subtribe **Hartertiinii** Quentin, 1970 *
 Genus *Alainchabaudia* Mawson, 1968 (1 species)
 Genus *Hartertia* Seurat, 1914 (10 species)
 Family **Tricheilidae** Wang & Wang, 1991 (1 subfamily, 1 genus, 1 species)
 Subfamily **Tricheilinae** Wang & Wang, 1991 * (1 genus, 1 species)
 Tribe **Tricheilini** Wang & Wang, 1991 *
 Subtribe **Tricheilini** Wang & Wang, 1991 *
 Genus *Tricheilia* Wang & Wang, 1991 (1 species)
 Superfamily **Habronematoidea** Chitwood & Wehr, 1932 (Anderson, Chabaud & Wilmott, 1974) (4 families, 8 subfamilies, 50 genera, 488 species)⁴⁴³
 Family **Cystidicolidae** Skryabin, 1946 (Skryabin, Shikhobalova & Sobolev, 1949) (1 subfamily, 22 genera, 192 species)⁴⁴⁴
 Subfamily **Cystidicolinae** Skryabin, 1946 (22 genera, 192 species)
 Tribe **Cystidicolini** Skryabin, 1946 *
 Subtribe **Cystidicolinii** Skryabin, 1933 *
 Genus *Ascarophis* Van-Beneden, 1871 (47 species)
 Species *morronei* Aguilar-Aguilar, Ruiz-Campos, Martorelli, Montes & Martinez-Aquino, 2019

443 This superfamily should be designated Tetrameroidea because the family Tetrameridae Travassos 1914 has priority over Hedrerinae Railliet 1916, and Histioccephalinae Gendre 1922, and Habronematinae Chitwood & Wehr 1932 (Chabaud 1974). However, to preserve stability and because the other families are unusual for the group, Habronematoidea was chosen as the name for the group (Chabaud 1974).

444 Created as a subfamily by Skryabin (1946).

- Species *scatophagi* Moravec, Yooyen & Sanprick, 2018
- Genus *Caballeronema* Margolis, 1977 (2 species)
- Genus *Comephoronema* Layman, 1933 (7 species)
- Species *muthpapillatum* Pereira, Pereira & Luque, 2014
- Genus *Crenatobronema* Solovjeva, 1987 (1 species)
- Genus *Cristitectus* Petter, 1970 (1 species)
- Genus *Ctenascarophis* Mamaev, 1968 (2 species)
- Genus *Cyclozone* Dogiel, 1932 (1 species)
- Genus *Cystidicola* Fischer, 1798 (9 species)
- Genus *Cystidicoloides* Skinker, 1931 (7 species)
- Genus *Dogielophis* Doweld, 2016 (1 species)⁴⁴⁵
- Genus *Mastigospirura* Machida & Syahailatua, 1994 (1 species)
- Genus *Metabronema* Yorke & Maplestone, 1926 (6 species)
- Genus *Moravecnema* Justine, Cassone & Petter, 2002 (1 species)
- Genus *Neospinitectus* Kalyankar, 1971 (1 species)
- Genus *Parascarophis* Campana-Rouget, 1955 (4 species)
- Genus *Prospinitectus* Petter, 1979 (2 species)
- Genus *Pseudascarophis* Ko, Margolis & Machida, 1985 (4 species)
- Genus *Pseudoproleptus* Khera, 1953 (11 species)
- Genus *Salvelinema* Trofimenko, 1962 (2 species)
- Genus *Similascarophis* Munoz, Gonzalez & George-Nascimento, 2004 (2 species)
- Genus *Spinitectoides* Petter, 1969 (1 species)
- Genus *Spinitectus* Fourment, 1883 (79 species)
- Species *aguapeiensis* Acosta, Gonzalez-Solis & Da-Silva, 2017
- Species *gabata* Poinar, Weinstein, Garcia-Vedrenne & Kuris, 2014
- Species *palmyraensis* Gonzalez-Solis, Soler-Jiminez, Leopoldina, McLaughlin, Shaw, James, Hechinger, Kuris, Lafferty & Vidal-Martinez, 2019
- Species *mixtecoensis* Barrios-Gutierrez, Santacruz, Martinez-Ramirez, Rubio-Godoy & Pinacho-Pinacho, 2019
- Family **Hedruridae** Petter, 1971 (1 subfamily, 1 genus, 20 species)
- Subfamily **Hedrurinae** Petter, 1971 * (1 genus, 20 species)
- Tribe **Hedrurini** Petter, 1971 *
- Subtribe **Hedrurinii** Petter, 1971 *
- Genus *Hedruris* Nitzsch, 1812 (20 species)
- Species *bifida* Rossin & Timi, 2016
- Species *dratini* Palumbo, Servian, Sanchez & Diaz, 2019
- Species *lutjanenses* Ramadan, Awad & Taha, 2014
- Species *wogwogensis* Jones & Renasco, 2016
- Family **Habronematidae** Chitwood & Wehr, 1932 (Ivashkin, 1961) (3 subfamilies, 21 genera, 163 species)⁴⁴⁶
- Subfamily **Habronematinae** Chitwood & Wehr, 1932 (14 genera, 120 species)
- Tribe **Habronematini** Chitwood & Wehr, 1932 *
- Subtribe **Habronematinii** Chitwood & Wehr, 1932 *
- Genus *Cheilonematodum* Johnston & Mawson, 1941 (1 species)
- Genus *Chitwoodspirura* Chabaud & Rousselot, 1956 (1 species)
- Genus *Cyrnea* Seurat, 1914 (28 species)
- Species *columbi* Ghazi, Siyal, Das, Khan & Hulio, 2017

445 Replacement name for *Dogielina* Sobolev in Skryabin Schikhobalova & Sobolev 1950 non Bogdanowicz & Woloszynova 1949 [Foraminifera].

446 Habronematidae (originally created as a subfamily by Chitwood & Wehr (1932)) is used in preference to Histioccephalidae (derived from a subfamily created by Gendre 1922) because the former is in wide use and the latter has not been used (Chabaud 1975).

- Genus *Dollfusnema* Caballero, 1974 (2 species)
 Genus *Draschia* Chitwood & Wehr, 1934 (1 species)
 Genus *Echinurioides* Thwaite, 1926 (1 species)
 Genus *Excisa* Gendre, 1928 (5 species)
 Genus *Gendrespirura* Chabaud, 1958 (1 species)
 Genus *Gubernaculomeres* Oshmarin & Parukhin, 1963 (2 species)
 Genus *Habronema* Diesing, 1861 (26 species)
 Genus *Lispirurus* Eberli, 2017 nom. nov. pro *Sicarius* Li, 1934 nec *Sicarius* Walckenaer, 1847 (Arachnida) (4 species)
 Genus *Metacyrnea* Chabaud, 1960 (1 species)
 Genus *Odontospirura* Wehr, 1933 (1 species)
 Genus *Procyrnea* Chabaud, 1958 (46 species)
 Species *choique* Bagnato, Frixione, Digiana & Cremonte, 2018
- Subfamily **Histiocephalinae** Gendre, 1922 (5 genera, 33 species)
 Tribe **Histiocephalini** Gendre, 1922 *
 Subtribe **Histiocephalinii** Gendre, 1922 *
 Genus *Hadjelia* Seurat, 1916 (12 species)
 Genus *Histiocephalus* Diesing, 1851 (4 species)
 Genus *Stellocaronema* Gilbert, 1930 (4 species)
 Genus *Torquatoides* Williams, 1929 (5 species)
 Genus *Viguiera* Seruat, 1913 (8 species)
- Subfamily **Parabronematinae** Skryabin, 1941 (2 genera, 10 species)
 Tribe **Parabronematini** Skryabin, 1941 *
 Subtribe **Parabronematini** Skryabin, 1941 *
 Genus *Okapinema* Ivaschkin, 1960 (1 species)
 Genus *Parabronema* Baylis, 1921 (9 species)
- Family **Tetrameridae** Travassos, 1914 (3 subfamilies, 6 genera, 113 species)
 Subfamily **Crassicaudinae** Yorke & Maplestone, 1926 (2 genera, 13 species)
 Tribe **Crassicaudini** Yorke & Maplestone, 1926 *
 Subtribe **Crassicaudinii** Yorke & Maplestone, 1926 *
 Genus *Crassicauda* Leiper & Atkinson, 1914 (12 species)
 Genus *Placentonema* Gubanov, 1951 (1 species)
- Subfamily **Geopetitiinae** Chabaud, 1951 (1 genus, 4 species)
 Tribe **Geopetitiini** Chabaud, 1951 *
 Subtribe **Geopetitiinii** Chabaud, 1951 *
 Genus *Geopetitia* Chabaud, 1951 (4 species)
- Subfamily **Tetramerinae** Travassos, 1914 (3 genera, 96 species)
 Tribe **Tetramerini** Travassos, 1914 *
 Subtribe **Tetramerinii** Travassos, 1914 *
 Genus *Microhadjelia* Jogis, 1965 (1 species)
 Genus *Microtetrameres* Travassos, 1915 (28 species)
 Subgenus *Gubernacules* Rasheed, 1960 (2 species)
 Subgenus *Microtetrameres* Travassos, 1915 (26 species)
 Genus *Tetrameres* Creplin, 1846 (67 species)
 Subgenus *Gynaecophila* Gubanov, 1950 (5 species)
 Subgenus *Petrowimeres* Tschertkowa, 1953 (5 species)
 Subgenus *Tetrameres* Creplin, 1846 (57 species)
 Species *salina* Nunez, Drago, Digiani & Lunashi, 2017
- Superfamily **Acuarioidea** Railliet, Henry & Sisoff, 1912 (Sobolev, 1949) (1 family, 3 subfamilies, 39 genera, 322 species)
 Family **Acuariidae** Railliet, Henry & Sisoff, 1912 (Chabaud, 1975) (3 subfamilies, 39 genera, 322 species)

Subfamily **Acuariinae** Railliet, Henry & Sisoff, 1912 (22 genera, 226 species)

Tribe **Acuariini** Railliet, Henry & Sisoff, 1912 *

Subtribe **Acuariinii** Railliet, Henry & Sisoff, 1912 *

Genus *Acuaria* Bremser, 1811 (56 species)

Species *europaea* Mutafchiev, Mariaux & Georgiev, 2017

Genus *Chandleronema* Little & Ali, 1980 (1 species)

Genus *Cheilospirura* Diesing, 1861 (12 species)

Genus *Chevreuria* Seurat, 1918 (5 species)

Genus *Chordatortilis* Mendonca & Rodrigues, 1965 (1 species)

Genus *Chordocephalus* Alegret, 1941 (5 species)

Genus *Cosmocephalus* Molin, 1858 (10 species)

Genus *Deliria* Vicente Magalhaes, Pinto & Noronha, 1980 (1 species)

Genus *Desportesius* Chabaud & Campana, 1949 (10 species)

Genus *Echinuria* Soloviev, 1912 (12 species)

Genus *Paracuaria* Krishna-Rao, 1951 (4 species)

Genus *Pectinospirura* Wehr, 1933 (3 species)

Genus *Pseudoaviculariella* Gupta & Jehan, 1971 (1 species)

Genus *Sexansocara* Sobolev & Sudarikov, 1939 (1 species)

Genus *Skrjabinocerca* Schikhoblaova, 1930 (5 species)

Genus *Skrjabinoclava* Sobolev, 1943 (33 species)

Genus *Stammerinema* Osche, 1955 (5 species)

Species *hyalinum* (Linstow, 1890) Mutafchiev, Mariaux & Georgiev, 2015

syn *Filaria hyalina* (Linstow, 1890) Osche, 1955

Genus *Syncuaria* Gilbert, 1927 (12 species)

Genus *Synhimantus* Railliet, Henry & Sisoff, 1912 (46 species)

Subgenus *Dispharynx* Railliet, Henry & Sisoff, 1912 (19 species)

Species *jamshorensis* Chandio, Dharejo, Khan & Naz, 2016

Subgenus *Synhimantus* Railliet, Henry & Sisoff, 1912 (27 species)

Genus *Voguracuaria* Wong & Anderson, 1993 (1 species)

Genus *Willmottia* Mawson, 1982 (1 species)

Genus *Xenocordon* Mawson, 1982 (1 species)

Subfamily **Schistorophinae** Travassos, 1918 (5 genera, 51 species)

Tribe **Schistorophini** Travassos, 1918 *

Subtribe **Schistorophinii** Travassos, 1918 *

Genus *Ancyracanthopsis* Diesing, 1861 (8 species)

Genus *Quasithelazia* Maplestone, 1932 (19 species)

Species *alata* Mutafchiev, Mariaux & Georgiev, 2014

Species *halcyon* (Ryzhikov & Khokhlova, 1964) Mutafchiev, Mariaux & Georgiev, 2014

syn *Viktorocara halcyoni* Ryzhikov & Khokhlova, 1964

Species *minuta* Mutafchiev, 2016

Species *microcordonis* (Schmidt & Kuntz, 1971) Mutafchiev, Mariaux & Georgiev, 2014

syn *Rusguniella microcordonis* Schmidt & Kuntz, 1971

Species *multipapillata* (Zhang, 1993) Mutafchiev, Mariaux & Georgiev, 2014

syn *Schistogendra multipapillata* Zhang, 1993

Species *pearsoni* Mutafchiev, 2016

Species *rostrata* Mutafchiev Mariaux & Georgiev, 2014

Genus *Schistorophus* Railliet, 1916 (7 species)

Genus *Sciadiocara* Skryabin, 1916 (8 species)

Genus *Viktorocara* Guschanskaja, 1950 (9 species)

Subfamily **Seuratiinae** Chitwood & Wehr, 1932 (12 genera, 45 species)

- Tribe **Seuratiini** Chitwood & Wehr, 1932 *
- Subtribe **Seuratiinii** Chitwood & Wehr, 1932 *
- Genus *Antechiniella* Quentin & Beveridge, 1986 (4 species)
- Species *septentrionalis* Ivanova Dokuchaeva & Spiridonov, 2019
- Genus *Aviculariella* Wehr, 1931 (4 species)
- Genus *Cyclopsinema* Cobb, 1927 (1 species)
- Genus *Ingliseria* Gibson, 1968 (1 species)
- Genus *Molinacuaria* Wong & Lankester, 1985 (3 species)
- Genus *Proyseria* Petter, 1959 (5 species)
- Species *alcedonis* (Puqin, Yanyin & Guocal, 1991) Mutafchiev, Mariaux & Georgiev, 2014
- syn *Stegophorus alcedonis* Puqin, Yanyin & Guocal, 1991
- Species *petterae* Mutafchiev, Mariaux & Georgiev, 2014
- Genus *Pseudohaplonema* Wang, 1978 (1 species)
- Genus *Rusguniella* Seurat, 1919 (4 species)
- Genus *Seuratia* Skryabin, 1916 (3 species)
- Genus *Stegophorus* Wehr, 1934 (5 species)
- Genus *Streptocara* Railliet, Henry & Sisoff, 1912 (11 species)
- Genus *Tikusnema* Hasegawa, Shiraishi & Rochma, 1992 (3 species)
- Superfamily **Filarioidea** Weinland, 1858 (Chabaud & Anderson, 1959) (2 families, 7 subfamilies, 105 genera, 815 species)
- Family **Filariidae** Weinland, 1858 (Cobbold, 1879) (2 subfamilies, 14 genera, 78 species)
- Subfamily **Filariinae** Weinland, 1858 (13 genera, 66 species)
- Tribe **Filariini** Weinland, 1858 *
- Subtribe **Filariinii** Weinland, 1858 *
- Genus *Bhalifilaria* Bhalerao & Krishna-Rao, 1944 (1 species)
- Genus *Cascofilaria* Poinar, 2011 (6 species)⁴⁴⁷
- Species *baltica* Poinar, 2011
- Species *dominicana* Poinar, 2011
- Species *parva* Poinar, 2011
- Genus *Dirofilarionema* Sonin, 1963 (1 species)
- Genus *Filaria* Mueller, 1787 (44 species)
- Genus *Indofilaria* Alwar, Seneviratna & Gopal, 1959 (1 species)
- Genus *Paracanthocheilonema* Vladimirov in Bulginskaya, Vladimirov & Markov, 1959 (1 species)
- Genus *Parafilaria* Yorke & Maplestone, 1926 (5 species)
- Genus *Parasaurositus* Gupta & Johri, 1989 (1 species)
- Genus *Pseudodiomedonema* Gupta & Johri, 1989 (1 species)
- Genus *Pseudofilaria* Sandground, 1936 (2 species)
- Genus *Struthiofilaria* Noda & Nagata, 1976 (1 species)
- Genus *Suifilaria* Ortlepp, 1937 (1 species)
- Genus *Tricheilonema* Diesing, 1861 (1 species)
- Subfamily **Stephanofilariinae** Wehr, 1935 (1 genus, 12 species)
- Tribe **Stephanofilariini** Wehr, 1935 *
- Subtribe **Stephanofilariinii** Wehr, 1935 *
- Genus *Stephanofilaria* Ihle & Ihle-Landenberg, 1933 (12 species)
- Family **Onchocercidae** Leiper, 1911 (Chabaud & Anderson, 1959) (5 subfamilies, 91 genera, 737 species)^{448 449}

447 Fossil, Burmese and Dominican amber.

448 Created as a subfamily by Leiper (1911). Onchocercidae is preferred to Dipelonematidae Wehr 1935 because the former is in wide use and the latter is not.

449 Classification reflects latest molecular analysis by Lefoulon *et al.* (2015).

- Subfamily **Lemdaninae** Seurat, 1917 (6 genera, 42 species)
- Tribe **Lemdanini** Seurat, 1917 *
- Subtribe **Lemdaninii** Seurat, 1917 *
- Genus *Aproctiana* Skryabin, 1934 (4 species)
- Genus *Chiropterofilaria* Yeh Symes & Mataika, 1958 (1 species)
- Genus *Eufilaria* Seurat, 1921 (17 species)
- Genus *Lemdana* Seurat, 1917 (12 species)
- Genus *Sarconema* Wehr, 1939 (5 species)
- Genus *Saurositus* Macfie, 1924 (3 species)
- Subfamily **Oswaldofilariinae** Chabaud & Chocquet, 1953 (12 genera, 72 species)⁴⁵⁰
- Tribe **Oswaldofilariini** Chabaud & Chocquet, 1953 *
- Subtribe **Oswaldofilariinii** Chabaud & Chocquet, 1953 *
- Genus *Befilaria* Chabaud, Anderson & Brygoo, 1959 (2 species)
- Genus *Conspiculum* Pandit, Pandit & Iyer, 1929 (3 species)
- Genus *Gonofilaria* Mullin, 1973 (1 species)
- Genus *Oswaldofilaria* Travassos, 1933 (11 species)
- Species *acanthosauri* Bursey, Goldberg & Grismer, 2015
- Species *lanfrediae* Larrat, De-Vasconcelas-Melo, Furo-Gomez, Wilkens & Dos-Santos, 2018
- Genus *Piratuba* Freitas & Lent, 1941 (6 species)
- Genus *Piratuboides* Bain & Sulahian, 1974 (3 species)
- Genus *Solafilaria* Chabaud, Anderson & Brygoo, 1959 (5 species)
- Tribe **Icosiellini** Anderson, 1958 *⁴⁵¹
- Subtribe **Icosiellinii** Anderson, 1958 *
- Genus *Icosiella* Seurat, 1917 (7 species)
- Tribe **Waltonellini** Bain & Prod'hon, 1974 *⁴⁵²
- Subtribe **Waltonellinii** Bain & Prod'hon, 1974 *
- Genus *Foleyellides* Caballero, 1935 (16 species)
- Species *mayenae* Romero-Mayen & Leon-Regagnon, 2016
- Species *rhinellae* Garcia-Prieto, Ruiz-Torres, Osorio-Sarabia & Merlo-Serna, 2014
- Genus *Madochotera* Bain & Brunhes, 1968 (1 species)
- Genus *Ochoterenella* Caballero, 1944 (16 species)
- Genus *Paramadochotera* Esslinger, 1986 (1 species)
- Subfamily **Onchocercinae** Lieper, 1911 (44 genera, 306 species)
- Tribe **Dirofilariini** Sandground, 1921 *⁴⁵³
- Subtribe **Dirofilariinii** Sandground, 1921 *
- Genus *Bostrichodera* Sandground, 1938 (1 species)
- Genus *Dirofilaria* Railliet & Henry, 1910 (47 species)
- Genus *Dirofilariaeformia* Lubimov, 1935 (1 species)
- Genus *Edesonfilaria* Yeh, 1960 (2 species)
- Genus *Macacanema* Schad & Anderson, 1963 (1 species)
- Genus *Skrjabinodera* Gnedina & Vsevolodov, 1947 (3 species)
- Genus *Tawila* Khalil, 1932 (14 species)
- Tribe **Onchocercini** Leiper, 1911 *
- Subtribe **Onchocercinii** Leiper, 1911 *
- Genus *Loxodontofilaria* Berghe & Gillain, 1939 (13 species)⁴⁵⁴

450 Placed in Filarioidea by Anderson & Bain (1976), but placed here on the basis of multi-gene evidence presented by Lefeulon *et al.* (2015).

451 Described as a subfamily by Anderson (1958).

452 Described as a subfamily by Bain & Prod'hon (1974).

453 Described as a subfamily by Sandground (1921).

454 Molecular evidence places this as a sister group to *Onchocerca* and related genera (Lefeulon *et al.* 2015), whereas morphology suggests

- Subgenus *Molinema* Freitas & Lent, 1939 (8 species)
 Subgenus *Orihelia* Chabaud & Bain, 1976 (5 species)
 Genus *Onchocerca* Diesing in Hermann, 1841 (37 species)
 Species *takaokai* Uni, Fukuda, Agatsuma, Bain, Otsuka, Nakatani, Matsubayashi,
 Harada, Omar, Ramli, Hashim, Azirun & Takaoka, 2015
- Tribe **Dipetalonematini** Wehr, 1935 * ⁴⁵⁵
 Subtribe **Dipetalonematini** Wehr, 1935 *
 Genus *Dipetalonema* Diesing, 1861 (38 species)
 Subgenus *Alafilearia* Yates & Jorgenson, 1983 (2 species)
 Subgenus *Dasypafilearia* Eberhard, 1982 (1 species)
 Subgenus *Dipetalonema* Diesing, 1861 (35 species)
- Subtribe **Acanthochielonemini** Faust, 1939 ^{456 457}
 Genus *Acanthocheilonema* Cobbold, 1870 (12 species) ⁴⁵⁸
 Genus *Ackertia* Vaz, 1934 (4 species)
 Genus *Agamofilaria* Stiles, 1907 (2 species)
 Genus *Andersonfilaria* Bartlett & Bain, 1987 (2 species)
 Genus *Bisbalia* Bain & Guerrero, 2003 (1 species)
 Genus *Cercopithifilaria* Eberhard, 1980 (25 species)
 Genus *Chabfilaria* Bain, Dedet & Purnom, 1983 (2 species)
 Genus *Cherylia* Bain, Petit, Jacquet, Viallet & Houin, 1985 (1 species)
 Genus *Courduriella* Chabaud, Brygoo & Petter, 1961 (1 species)
 Genus *Cruorifilaria* Eberhard, Morales & Orihel, 1976 (1 species)
 Genus *Cystofilaria* Skryabin & Schikhobalova, 1948 (1 species)
 Genus *Dessetfilaria* Bartlett & Bain, 1987 (2 species)
 Genus *Elaeophora* Railliet & Henry, 1912b (4 species)
 Genus *Filarissima* Chabaud, 1974 (1 species)
 Genus *Fuscicorpa* Wehr, 1936 (1 species)
 Genus *Josefilaria* Moorhouse, Bain & Wolf, 1979 (1 species)
 Genus *Litomosa* Yorke & Maplestone, 1926 (17 species)
 Genus *Litomosoides* Chandler, 1931 (40 species)
 Species *ysoguzu* Notarnicola & De-La-Sancha, 2015
 Genus *Loaina* Eberhard & Orihel, 1984 (2 species)
 Genus *Macdonaldius* Khanna, 1933 (4 species)
 Genus *Microfilaria* Cobbold, 1882 (6 species)
 Genus *Migonella* Lent, Freitas & Proenca, 1946 (1 species)
 Genus *Molossinema* Georgi, Georgi, Jiang & Frongillo, 1987 (1 species)
 Genus *Monanema* Anteson, 1968 (4 species)
 Genus *Paraochoterenella* Purnomo & Bangs, 1999 (1 species)
 Genus *Paraprocta* Maplestone, 1931 (1 species)
 Genus *Paulianfilaria* Chabaud, Petter & Golvan, 1961 (1 species)
 Genus *Pseudolitomosa* Yamaguti, 1941 (1 species)
 Genus *Rumenfilaria* Lankester & Snider, 1982 (1 species)
 Genus *Serofilaria* Wu & Yun in Wu, Yun, Jia, Xu & Xiao-Nin, 1979 (1 species)
 Genus *Skrjabinofilaria* Travassos, 1925 (3 species)
 Genus *Sprattianema* nom. nov. pro *Sprattia* Chabaud & Bain, 1976 nec *Sprattia* O.
 Boettger, 1883 (Mollusca, Pulmonata) (2 species)
 Genus *Strianema* Eberhard Orihel & Campo-Aasen, 1993 (1 species)

a subgenus of *Dipetalonema* (Gibbons 2010). As the molecular analysis included many genes, it has been preferred.

455 Originally created as a subfamily by Wehr (1935).

456 Originally created as a family and subfamily by Faust (1939).

457 Based on molecular evidence Lefoulon *et al.* (2015).

458 Raised from a subgenus of *Dipetalonema* on molecular evidence (Lefoulon *et al.* 2015).

- Genus *Yatesia* Bain Baker & Chabaud, 1982 (1 species)
- Subfamily **Setariinae** Yorke & Maplestone, 1926 (2 genera, 49 species)
- Tribe **Setariini** Yorke & Maplestone, 1926 *
- Subtribe **Setariinii** Yorke & Maplestone, 1926 *
- Genus *Papillosetaria* Ververs, 1922 (3 species)
- Genus *Setaria* Viborg, 1795 (46 species)
- Subfamily **Splendidofilariinae** Chabaud & Choquet, 1953 (27 genera, 268 species)
- Tribe **Loaini** n. tribe ⁴⁵⁹
- Subtribe **Loainii** n. subtribe *
- Genus *Foleyella* Seurat, 1917 (10 species)
- Genus *Loa* Stiles, 1905 (4 species)
- Genus *Pelecitus* Railliet & Henry, 1910 (34 species)
- Tribe **Splendidofilariini** Chabaud & Chocquet, 1953 *
- Subtribe **Breinliini** n. subtribe ⁴⁶⁰
- Genus *Breinlia* Yorke & Maplestone, 1926 (22 species)
- Subgenus *Breinlia* Yorke & Maplestone, 1926 (20 species)
- Species *jittapalapongi* Veciana, Bain, Morand, Chaisiri, Douangboupha, Miquel & Ribas, 2015
- Subgenus *Johnstonema* Yeh, 1957 (2 species)
- Genus *Mansonella* Faust, 1929 (29 species)
- Subgenus *Cutifilaria* Bain & Schulz-Key, 1974 (2 species)
- Subgenus *Esslingeria* Chabaud & Bain, 1976 (4 species)
- Subgenus *Filiamagutia* Bain & Uni, 2011 (1 species)
- Species *aklitisensis* (Uni, 1983) Bain & Uni, 2011
- Subgenus *Mansonella* Faust, 1929 (9 species)
- Subgenus *Pseudolitosoma* Bain & Uni, 2011 (1 species)
- Species *musabi* (Yamaguti, 1941) Bain & Uni, 2011
- Subgenus *Tetrapetalonema* Faust, 1935 (11 species)
- Subgenus *Tupainema* Eberhard & Orihel, 1984 (1 species)
- Genus *Sandnema* Chabaud & Bain, 1976 (Bain, Mutafchiev, Junker, Guerrero, Martin, Lefoulon & Uni, 2015) (21 species)
- Subtribe **Splendidofilariinii** Chabaud & Chocquet, 1953 *
- Genus *Aproctella* Cram, 1931 (13 species)
- Genus *Aproctoides* Chandler, 1929 (3 species)
- Genus *Avifilaris* Chapman Saunders, 1955 (2 species)
- Genus *Cardianema* Alicata, 1933 (1 species)
- Genus *Cardiofilaria* Strom, 1937 (9 species)
- Genus *Chandlerella* Yorke & Maplestone, 1926 (25 species)
- Genus *Dunnifilaria* Mullin & Balasingham, 1973 (3 species)
- Genus *Madathamugadia* Chabaud, Anderson & Brygoo, 1959 (7 species)
- Genus *Meningonema* Orihel & Esslinger, 1973 (1 species)
- Genus *Micipsella* Seurat, 1921 (2 species)
- Genus *Onchocercella* Yorke & Maplestone, 1931 (1 species)
- Genus *Paronchocerca* Peters, 1936 (12 species)
- Genus *Protofilaria* Chandler, 1929 (1 species)
- Genus *Pseudlemdana* Sonin & Shumilo, 1964 (1 species)
- Genus *Pseudothamugadia* Lopez-Neyra, 1956 (1 species)
- Genus *Splendidofilaria* Skryabin, 1923 (19 species)
- Subgenus *Arteriofilaria* Lopez, Caballero & Jiminez-Millan, 1979 (1 species)

459 Type genus is *Loa* Stiles 1905. Based on molecular evidence (Lefoulon *et al.* 2015). Otherwise with the features of the family.

460 Type genus is *Breinlia* Yorke & Maplestone 1926. Based on molecular evidence (Lefoulon *et al.* 2015). Otherwise with the features of the family.

- Subgenus *Avifilaria* Lopez, Caballero & Jiminez-Millan, 1979 (1 species)
 Subgenus *Soninella* Lopez, Caballero & Jiminez-Millan, 1979 (1 species)
 Subgenus *Splendidofilaria* Skryabin, 1923 (16 species)
 Genus *Striatofilaria* Lubimov, 1927 (2 species)
 Genus *Thamugadia* Seurat, 1917 (6 species)
- Tribe **Wuchererini** n. tribe ⁴⁶¹
 Subtribe **Wuchererini** n. subtribe *
 Genus *Brugia* Buckley, 1960 (10 species)
 Subgenus *Brugia* Buckley, 1960 (9 species)
 Subgenus *Brugiella* Dissanaiké & Paramanathan, 1961 (1 species)
 Genus *Malayfilaria* Uni, Mat-Udin & Takaoka in Uni, Udin, Agatsuma, Saijntha, Junker, Ramli, Omar, Lim, Sivanandam, Lefoulon, Martin, Belabut, Kasim, Halim, Zainuri, Bhassu, Fukuda, Matsubayashi, Harada, Low, Chen, Suganuma, Hashim, Takaoka & Azirun, 2017 (1 species)
 Species *sofiani* Uni, Mat-Udin & Takaoka in Uni, Udin, Agatsuma, Saijntha, Junker, Ramli, Omar, Lim, Sivanandam, Lefoulon, Martin, Belabut, Kasim, Halim, Zainuri, Bhassu, Fukuda, Matsubayashi, Harada, Low, Chen, Suganuma, Hashim, Takaoka & Azirun, 2017
 Genus *Wuchereria* Silva-Araujo, 1877 (28 species)
- Superfamily **Aproctoidea** Yorke & Maplestone, 1926 (Chabaud, 1975) (2 families, 3 subfamilies, 10 genera, 69 species)
 Family **Aproctidae** Yorke & Maplestone, 1926 (Skryabin & Schikhobalova, 1945) (2 subfamilies, 6 genera, 59 species)
 Subfamily **Aproctinae** Yorke & Maplestone, 1926 (5 genera, 57 species)
 Tribe **Aproctini** Yorke & Maplestone, 1926 *
 Subtribe **Aproctinii** Yorke & Maplestone, 1926 *
 Genus *Aprocta* Linstow, 1883 (39 species)
 Genus *Hovorkonema* Jurasek, 1977 (3 species)
 Genus *Mawsonfilaria* Anderson & Chabaud, 1958 (1 species)
 Genus *Pseudaprocta* Schikhobalova, 1930 (8 species)
 Genus *Squamofilaria* Schmerling, 1925 (6 species)
 Subfamily **Tetracheilonematinae** Wehr, 1935 (1 genus, 2 species)
 Tribe **Tetracheilonematini** Wehr, 1935 *
 Subtribe **Tetracheilonematinii** Wehr, 1935 *
 Genus *Tetracheilonema* Diesing, 1861 (2 species)
- Family **Desmidocercidae** Cram, 1927 (1 subfamily, 4 genera, 10 species)
 Subfamily **Desmidocercinae** Cram, 1927 (4 genera, 10 species)
 Tribe **Desmidocercini** Cram, 1927 *
 Subtribe **Desmidocercinii** Cram, 1927 *
 Genus *Desmidocerca* Skryabin, 1916 (1 species)
 Genus *Desmidocercella* Yorke & Maplestone, 1926 (4 species)
 Genus *Diomedinema* Johnston & Mawson, 1952 (3 species)
 Species *tavaresi* Knoff, Santos, Giese, Gomes & Silva-Sousa, 2018
 Genus *Skrjabinocercella* Gushanskaya, 1953 (2 species)
- Superfamily **Diplotriaenoidea** Skryabin, 1916 (Anderson, 1958) (1 family, 2 subfamilies, 13 genera, 111 species)
 Family **Diplotriaenidae** Skryabin, 1916 (Anderson, 1958) (2 subfamilies, 13 genera, 111 species)
 Subfamily **Dicheilonematinae** Wehr, 1935 (8 genera, 41 species)
 Tribe **Dicheilonematini** Wehr, 1935 *
 Subtribe **Dicheilonematinii** Wehr, 1935 *

461 Type genus is *Wuchereria* Silva-Araujo 1877. Based on molecular evidence (Lefoulon *et al.* 2015). Otherwise with the features of the family.

- Genus *Dicheilonema* Diesing, 1861 (10 species)
 Genus *Hamatospiculum* Skryabin, 1916 (9 species)
 Genus *Hastospiculum* Skryabin, 1923 (8 species)
 Genus *Heterospiculum* Schigin, 1951 (2 species)
 Genus *Monopetalonema* Diesing, 1861 (3 species)
 Genus *Petrovifilaria* Sonin, 1961 (1 species)
 Genus *Serratospiculoides* Sonin, 1968 (1 species)
 Genus *Serratospiculum* Skryabin, 1915 (7 species)
 Subfamily **Diplotriaeninae** Skryabin, 1916 (5 genera, 70 species)
 Tribe **Diplotriaenini** Skryabin, 1916 *
 Subtribe **Diplotriaenini** Skryabin, 1916 *
 Genus *Chabaudiella* Diaz-Ungria, 1963 (1 species)
 Genus *Diplotriaena* Railliet & Henry in Henry & O'Zoux, 1909 (65 species)
 Species *passeri* Chandio, Dharejo, Naz & Khan, 2015
 Species *saheefi* Soomro, Ghachal, Yusuf & Narejo, 2016
 Genus *Quadriplotriaena* Wehr, 1939 (2 species)
 Genus *Spinodiplotriaena* Kalyankar & Palladwar, 1989 (1 species)
 Genus *Versternema* Bain, Chabaud & Burger, 1992 (1 species)
 Superfamily **Lucionematoidea** Moravec, Molnar & Szekely, 1998 (Hodda, 2011) (1 family, 1 subfamily, 1 genus, 1 species)⁴⁶²
 Family **Lucionematidae** Moravec, Molnar & Szekely, 1998 (1 subfamily, 1 genus, 1 species)
 Subfamily **Lucionematinae** Moravec, Molnar & Szekely, 1998 * (1 genus, 1 species)
 Tribe **Lucionematini** Moravec, Molnar & Szekely, 1998 *
 Subtribe **Lucionematini** Moravec, Molnar & Szekely, 1998 *
 Genus *Lucionema* Moravec, Molnar & Szekely, 1998 (1 species)
 Suborder **Dracunculina** Hodda, 2007 (2 superfamilies, 8 families, 13 subfamilies, 40 genera, 325 species)⁴⁶³
 Superfamily **Dracunculoidea** Stiles, 1907 (Cameron, 1934) (7 families, 12 subfamilies, 38 genera, 320 species)
 Family **Daniconematidae** Moravec & Koie, 1987 (1 subfamily, 3 genera, 4 species)
 Subfamily **Daniconematinae** Moravec & Koie, 1987 * (3 genera, 4 species)
 Tribe **Daniconematini** Moravec & Koie, 1987 *
 Subtribe **Daniconematini** Moravec & Koie, 1987 *
 Genus *Daniconema* Moravec & Koie, 1987 (1 species)
 Genus *Mexiconema* Moravec, Vidal & Salgado-Maldonado, 1992 (2 species)
 Genus *Syngnathinema* Moravec, Spangenberg & Frasca, 2001 (1 species)
 Family **Dracunculidae** Stiles, 1907 (Leiper, 1912) (1 subfamily, 3 genera, 16 species)⁴⁶⁴
 Subfamily **Dracunculinae** Stiles, 1907 * (3 genera, 16 species)
 Tribe **Dracunculini** Stiles, 1907 *
 Subtribe **Dracunculini** Stiles, 1907 *
 Genus *Avioserpens* Wehr & Chitwood, 1934 (4 species)
 Genus *Dracunculus* Reichard, 1759 (11 species)
 Genus *Lockenloia* Adamson & Caira, 1991 (1 species)
 Family **Guyanemidae** Petter, 1974 (1 subfamily, 4 genera, 11 species)
 Subfamily **Guyaneminae** Petter, 1974 (Petter, 1975) (4 genera, 11 species)
 Tribe **Guyanemini** Petter, 1974 *
 Subtribe **Guyanemini** Petter, 1974 *

462 The sole species in the family Lucionematidae has an unusual suite of characters for Spirurida (Moravec *et al.* 1998), so is placed in a separate superfamily.

463 The affinities of Dracunculoidea have long been with Spirurida on morphological grounds (Chabaud 1974), and were unresolved in early molecular analyses (Holterman *et al.* 2006, De Ley & Blaxter 2004), when clear molecular evidence was presented it confirmed affinities with Spirurida (Van Megen *et al.* 2009).

464 Created as a subfamily by Stiles (1907).

- Genus *Guyanema* Petter, 1974 (5 species)
- Genus *Histodytes* Aragort, Alvarez, Iglesias, Leiro & Sanmartin, 2002 (1 species)
- Genus *Moravecia* Ribu & Lester, 2004 (1 species)
- Genus *Pseudodelphis* Adamson & Roth, 1990 (4 species)
- Species *eleginopsis* Moravec, Novacovsky & Hernandez-Orts, 2018
- Family **Micropleuridae** Baylis & Daubney, 1926 (Travassos, 1960) (2 subfamilies, 6 genera, 17 species)
- Subfamily **Micropleurinae** Baylis & Daubney, 1926 (5 genera, 15 species)
- Tribe **Micropleurini** Baylis & Daubney, 1926 *
- Subtribe **Micropleurinii** Baylis & Daubney, 1926 *
- Genus *Granulinema* Moravec & Little, 1988 (2 species)
- Genus *Kamegainema* Hasegawa, Doi, Araki & Miyata, 2000 (1 species)
- Genus *Micropleura* Linstow, 1906 (7 species)
- Species *huchzermeyeri* Junker & Mutachiev, 2017
- Genus *Philonema* Kuitunen-Ekbaum, 1933 (4 species)
- Genus *Protenema* Petter & Planelles, 1986 (1 species)
- Subfamily **Phlyctainophorinae** Roman, 1965* (1 genus, 2 species)⁴⁶⁵
- Tribe **Phlyctainophorini** Roman, 1965 *
- Subtribe **Phlyctainophorinii** Roman, 1965 *
- Genus *Phlyctainophora* Steiner, 1921 (2 species)
- Family **Philometridae** Baylis & Daubney, 1926 (3 subfamilies, 15 genera, 258 species)
- Subfamily **Alineminae** Moravec, 2007 (1 genus, 1 species)
- Tribe **Alinimini** Moravec, 2007 *
- Subtribe **Aliniminii** Moravec, 2007 *
- Genus *Alinema* Rasheed, 1963 (1 species)
- Subfamily **Neophilometroidinae** Moravec, Salgado, Maldonado & Aguilar-Aguilar, 2002 (1 genus, 2 species)
- Tribe **Neophilometroidini** Moravec, Salgado, Maldonado & Aguilar-Aguilar, 2002 *
- Subtribe **Neophilometroidinii** Moravec, Salgado, Maldonado & Aguilar-Aguilar, 2002 *
- Genus *Neophilometroides* Moravec, Salgado, Maldonado & Aguilar-Aguilar, 2002 (2 species)
- Subfamily **Philometrinae** Baylis & Daubney, 1926 (13 genera, 255 species)
- Tribe **Philometrini** Baylis & Daubney, 1926 *
- Subtribe **Philometrinii** Baylis & Daubney, 1926 *
- Genus *Buckleyella* Rasheed, 1963 (4 species)
- Species *ornata* Moravec, Diggles, Barnes & Macbeth, 2014
- Genus *Barracudia* Moravec & Shamsi, 2017 (4 species)
- Species *australiensis* Moravec & Shamsi, 2017
- Species *philippinensis* Quiazon & Yoshinaga, 2013 (Moravec & Shamsi, 2017)
- syn *Philometra philippinensis* Quiazon & Yoshinaga, 2013 (Moravec & Shamsi, 2017)
- Genus *Clavinema* Yamaguti, 1935 (3 species)
- Genus *Congerinema* Moravec, Nagasawa, Nitta & Tawa, 2019 (1 species)
- Species *japonicum* Moravec, Nagasawa, Nitta & Tawa, 2019
- Genus *Dentiphilometra* Moravec & Wang, 2002 (3 species)
- Species *malabarici* Moravec & Barton, 2018
- Genus *Dentirumai* Quiazon & Moravec, 2012 (1 species)
- Species *philippinensis* Quiazon & Moravec, 2012
- Genus *Digitiphilometroides* Moravec & Barton, 2018 (1 species)
- Species *marinus* (Moravec & de-Buron, 2009) Moravec & Barton, 2018
- syn *Philometroides marinus* Moravec & De-Buron, 2009
- Genus *Nilonema* Khalil, 1960 (2 species)

465 Originally created as a family by Roman (1965).

Genus *Paraphilometroides* Moravec & Shaharom-Harrison, 1989 (1 species)

Genus *Philometra* Costa, 1845 (192 species)

- Species *acanthopagri* Moravec, Jassim & Al-Salim, 2012
- Species *aenei* Moravec Chaabane, Neifar, Gey & Justine, 2016
- Species *arafurensis* Moravec & Barton, 2018
- Species *argentimaculati* Moravec & Manoharan, 2014
- Species *australiensis* Moravec & Diggles, 2014
- Species *austropacifica* Moravec & Justine, 2014
- Species *barbata* Ghanmi, Gonzalez-Solis & Gargouri, 2018
- Species *barnesi* Moravec & Diggles, 2015
- Species *brachiri* Moravec & Ali, 2014
- Species *carangis* Moravec & Diggles, 2014
- Species *carponotati* Moravec & Diggles, 2014
- Species *cephalopholidis* Moravec & Justine, 2015
- Species *damriyasai* Dewi & Palm, 2017
- Species *deborunae* Moravec, Bakenhaster & Adams, 2016
- Species *dispar* Moravec, Gey & Justine, 2016
- Species *dissimilis* Moravec & Manoharan, 2016
- Species *draco* Ghanmi, Gonzales-Solis & Gargouri, 2018
- Species *epinepheli* Dewi & Palm, 2013
- Species *fulvi* Moravec & Manoharan, 2014
- Species *gerrei* Moravec & Manoharan, 2013
- Species *gracilis* Moravec & Barton, 2016
- Species *incognita* Moravec, Bakenhaster & Adams, 2016
- Species *indica* Moravec & Manoharan, 2014
- Species *inexpectata* Moravec, Chaabane, Justine & Neifar, 2016
- Species *iraqiensis* Moravec, Ali, Abed & Shaker, 2016
- Species *javaensis* Moravec, Walter & Yuniar, 2012
- Species *johnii* Moravec & Ali, 2013
- Species *kidakoi* Moravec, Nagasawa, Nitta & Tawa, 2019
- Species *latispicula* Moravec, Bakenhaster & Fajer-Avila, 2014
- Species *longispicula* Moravec, Bakenhaster & Fajer-Avila, 2014
- Species *lobotidis* Moravec, Walter & Yuniar, 2012
- Species *macrochin* Moravec & Diggles, 2014
- Species *mawsonae* Moravec & Barton, 2018
- Species *megalaspidis* Moravec, Ali, Abed & Shaker, 2016
- Species *mirabilis* Moravec & Diggles, 2015
- Species *otolithi* Moravec & Manoharan, 2013
- Species *ostorhinchii* Moravec & Ogawa, 2019
- Species *papillicaudata* Moravec & Barton, 2018
- Species *piscaria* Moravec & Justine, 2014
- Species *protonibae* Moravec & Barton, 2015
- Species *psettoditis* Moravec, Walter & Yuniar, 2012
- Species *radiata* Ghanmi, Gonzales-Solis & Gargouri, 2018
- Species *rara* Moravec, Chaabane, Neifar, Gey & Justine, 2017
- Species *selaris* Moravec & Justine, 2014
- Species *sphyraenae* Moravec & Manoharan, 2013
- Species *synagridis* Moravec, Bakenhaster & Fajer-Avila, 2014
- Species *tenuis* Moravec & Ogawa, 2019
- Species *terapontis* Moravec, Gopalakrishnan, Rajkumar, Saravanakumar & Kaliyamoorthy, 2011
- Species *tricornuta* Moravec & Ali, 2014

- Species *tropica* Moravec & Manoharan, 2014
 Species *tunisiensis* Moravec, Chaabane, Neifar, Gey & Justine, 2016
 Species *zabidii* Moravec & Diggles, 2014
 Species “sp. (female)” Moravec & Barton, 2018
 Species “sp. 1 (females)” Moravec, Ali, Abed & Shaker, 2016
 Species “sp. 1” Moravec & Diggles, 2014
 Species “sp. 2 (females)” Moravec, Ali, Abed & Shaker, 2016
 Species “sp. 2” Moravec & Diggles, 2014
 Genus *Philometroides* Yamaguti, 1935 (39 species)
 Species *acreatensis* Cavalcante, Moravec & Santos, 2018
 Species *branhjarum* Moravec & Barton, 2016
 Species *branchiostegi* Moravec, Nagasawa & Nohara, 2012
 Species *eleutheronemae* Moravec & Manoharan, 2013
 Species *khalili* Moravec, Halajian, Tavakol, Nyagura & Luus-Powell, 2015
 Species *stomachus* Moravec & Barton, 2016
 Species *tahieli* Montes Plaul & Martorelli, 2016
 Genus *Rumai* Travassos, 1960 (1 species)
 Genus *Spirophilometra* Paruchin, 1973 (3 species)
 Species *endange* Dewi & Palm, 2013
 Family **Skrjabillanidae** Shigin & Shigina, 1958 (3 subfamilies, 6 genera, 13 species)
 Subfamily **Esocineminae** Shigin & Shigina, 1958 (Moravec, 2007) (1 genus, 1 species)
 Tribe **Esocinemini** Shigin & Shigina, 1958 *
 Subtribe **Esocineminii** Shigin & Shigina, 1958 *
 Genus *Esocinema* Moravec, 1977 (1 species)
 Subfamily **Skrjabillaninae** Shigin & Shigina, 1958 (3 genera, 6 species)
 Tribe **Skrjabillanini** Shigin & Shigina, 1958 *
 Subtribe **Skrjabillaninii** Shigin & Shigina, 1958 *
 Genus *Kalmanmolnaria* Sokolov, 2006 (1 species)
 Genus *Sinoichthyonema* Wu in Chen, 1965 (1 species)
 Genus *Skrjabillanus* Shigin & Shigina, 1958 (4 species)
 Subfamily **Travassosneminae** Moravec, 2007 (2 genera, 6 species)
 Tribe **Travassosnemini** Moravec, 2007 *
 Subtribe **Travassosnemini** Moravec, 2007 *
 Genus *Ichthyofilaria* Yamaguti, 1935 (5 species)
 Genus *Travassosnema* Costa, Moreira & De-Oliveira, 1991 (1 species)
 Family **Tetanonematidae** Skryabin & Schikhobalova, 1948 (1 subfamily, 1 genus, 1 species)
 Subfamily **Tetanonematinae** Skryabin & Schikhobalova, 1948 * (1 genus, 1 species)
 Tribe **Tetanonematini** Skryabin & Schikhobalova, 1948 *
 Subtribe **Tetanonematini** Skryabin & Schikhobalova, 1948 *
 Genus *Tetanonema* Steiner, 1937 (1 species)
 Superfamily **Anguillicoloidea** Yamaguti, 1935 (Moravec, 2006) (1 family, 1 subfamily, 2 genera, 5 species)
 Family **Anguillicolidae** Yamaguti, 1935 (1 subfamily, 2 genera, 5 species)
 Subfamily **Anguillicolinae** Yamaguti, 1935 * (2 genera, 5 species)
 Tribe **Anguillicolini** Yamaguti, 1935 *
 Subtribe **Anguillicolinii** Yamaguti, 1935 *
 Genus *Anguillicola* Yamaguti, 1935 (1 species)
 Genus *Anguillicoloides* Moravec & Taraschewski, 1988 (4 species)
 Suborder **Gnathostomatina** Skryabin & Ivaschkin, 1973 (1 superfamily, 1 family, 3 subfamilies, 5 genera, 62 species)⁴⁶⁶
 Superfamily **Gnathostomatoidea** Railliet, 1895 (Ivaschkin, 1960) (1 family, 3 subfamilies, 5 genera, 62 species)

466 Created as order Gnathostomatata. (Skryabin & Ivaschkin 1973).

- Family **Gnathostomatidae** Railliet, 1895 (3 subfamilies, 5 genera, 62 species)
- Subfamily **Ancyracanthinae** Yorke & Maplestone, 1926 (1 genus, 4 species)
- Tribe **Ancyracanthini** Yorke & Maplestone, 1926 *
- Subtribe **Ancyracanthinii** Yorke & Maplestone, 1926 *
- Genus *Ancyracanthus* Diesing, 1858 (4 species)
- Subfamily **Gnathostomatinae** Railliet, 1895 (3 genera, 39 species)
- Tribe **Gnathostomatini** Railliet, 1895 *
- Subtribe **Gnathostomatini** Railliet, 1895 *
- Genus *Echinocephalus* Molin, 1858 (17 species)
- Genus *Gnathostoma* Owen, 1836 (19 species)⁴⁶⁷
- Genus *Tanqua* R. Blanchard, 1904 (3 species)
- Subfamily **Spiroxyinae** Baylis & Lane, 1920 (1 genus, 19 species)
- Tribe **Spiroxyini** Baylis & Lane, 1920 *
- Subtribe **Spiroxyinii** Baylis & Lane, 1920 *
- Genus *Spiroxyis* Schneider, 1866 (19 species)
- Suborder **Oxyurina** Railliet, 1916 (2 superfamilies, 8 families, 9 subfamilies, 194 genera, 1258 species)
- Superfamily **Thelastomatoidea** Travassos, 1929 (5 families, 5 subfamilies, 90 genera, 479 species)
- Family **Thelastomatidae** Travassos, 1929 (1 subfamily, 42 genera, 268 species)
- Subfamily **Thelastomatinae** Travassos, 1929 * (42 genera, 268 species)
- Tribe **Thelastomatini** Travassos, 1929 *
- Subtribe **Thelastomatini** Travassos, 1929 *
- Genus *Aoruroides* Travassos & Kloss, 1958 (7 species)
- Species *chubudaigaku* Morffe, Garcia, Hasegawa & Carreno, 2019
- Genus *Aorurus* Leidy, 1849 (4 species)
- Genus *Bilobostoma* Jex, Schneider, Rose & Cribb, 2005 (1 species)
- Genus *Blaberinema* Garcia & Coy, 1998 (1 species)
- Genus *Blatticola* Schwenck, 1926 (11 species)
- Genus *Blattophila* Cobb, 1920 (13 species)
- Species *peregrinata* Carreno, 2017
- Genus *Blazionema* Kloss, 1966 (1 species)
- Genus *Cameronia* Basir, 1948 (14 species)
- Species *meerutensis* Singh, Rastogi & Singh, 2014
- Genus *Cephalobellus* Cobb, 1920 (34 species)
- Species *orientalis* Singh, Pragati & Singh, 2014
- Genus *Cordonicola* Ali & Farooqui, 1969 (2 species)
- Genus *Coronostoma* Rao, 1958 (8 species)
- Species *claireae* Phillips, Bernard, Pivar, Moulton & Shelley, 2016
- Genus *Corpircacens* Jex, Schneider, Rose & Cribb, 2006 (1 species)
- Genus *Corydiella* Rao & Rao, 1965 (2 species)
- Genus *Cranifera* Kloss, 1960 (2 species)
- Genus *Davenema* Mohagan & Spiridonov, 2017 (1 species)
- Species *obtusum* Mohagan & Spiridonov, 2017
- Genus *Desmicola* Basir, 1956 (9 species)
- Species *lamdongensis* Sokolova, 2019
- Genus *Euryconema* Chitwood, 1932 (2 species)
- Genus *Fontonema* Chitwood, 1930 (1 species)
- Genus *Galebia* Chitwood, 1932 (1 species)
- Genus *Galinanema* Spiridonov, 1984 (1 species)
- Genus *Geoscaphenema* Jex, Schneider, Rose & Cribb, 2006 (1 species)
- Genus *Golovatchinema* Spiridonov, 1984 (1 species)
- Genus *Gryllophila* Basir, 1942 (10 species)

467 Including an unnamed species from pigs from Vietnam (Nguyen *et al.* 2019).

- Species *manipurensis* Shanjoy, Gambhir & Mukhesh, 2015
- Genus *Hammerschmidtella* Chitwood, 1932 (15 species)
- Species *keeneyi* Carreno, 2017
- Species *muzaffarnagarensis* Kumar & Anjum, 2014
- Genus *Jaidenema* Jex, Schneider, Rose & Cribb, 2006 (1 species)
- Genus *Johnstonia* Basir, 1966 (7 species)
- Genus *Leidynema* Schwenck in Travassos, 1929 (12 species)
- Species *meerutensis* Singh, Rastogi & Singh, 2014
- Genus *Leidynemella* Chitwood & Chitwood, 1934 (4 species)
- Genus *Malaspinanema* Jex, Schneider, Rose & Cribb, 2005 (1 species)
- Genus *Paleothelastoma* Poinar, 2011 (1 species)⁴⁶⁸
- Species *tipulae* Poinar, 2011
- Genus *Paracameronia* De-Carvalho & Spiridonov, 1991 (1 species)
- Genus *Propharyngodon* Biswas & Chakravarty, 1963 (2 species)
- Genus *Pseudodesmicola* Jex, Schneider, Rose & Cribb, 2006 (1 species)
- Genus *Schwenckiana* Kloss, 1966 (1 species)
- Genus *Severianoia* Schwenck, 1926 (9 species)
- Genus *Stauratostoma* Phillips, Pivar, Sun, Moulton & Bernard, 2018 (1 species)
- Species *shelleyi* Phillips, Pivar, Sun, Moulton & Bernard, 2018
- Genus *Suifunema* Chitwood, 1932 (3 species)
- Species *peregrinatum* (Carreno, 2017) Morffe, Carreno, Ozawa, Sriwati & Hasgawa, 2019
- syn *Blattophila peregrinata* Carreno, 2017
- Genus *Tetleyus* Dale, 1964 (5 species)
- Genus *Thelastoma* Leidy, 1849 (70 species)
- Species *vanwaerebekei* Dambrosi-Orsini, Cuellar, Rondan-Duenas, Doucet & Lax, 2018
- Genus *Traklosia* Bernard & Phillips, 2015 nom. nov. pro *Robertia* Travassos & Kloss, 1961 nec *Robertia* Boonstra, 1948 (Reptilia) (3 species)
- Genus *Tsuganema* Jex, Schneider, Rose & Cribb, 2005 (1 species)
- Genus *Wetanema* Dale, 1967 (2 species)
- Family **Travassosinematidae** Rao, 1958 (1 subfamily, 10 genera, 50 species)
- Subfamily **Travassosinematinae** Rao, 1958 * (10 genera, 50 species)
- Tribe **Travassosinematini** Rao, 1958 *
- Subtribe **Travassosinematinii** Rao, 1958 *
- Genus *Binema* Travassos, 1925 (12 species)
- Genus *Chitwoodiella* Basir, 1948 (8 species)
- Species *basiri* Singh Rastogi & Singh, 2014
- Genus *Indiana* Chakravarty, 1943 (3 species)
- Genus *Isobinema* Rao, 1958 (4 species)
- Genus *Mirzaiella* Basir, 1942 (9 species)
- Genus *Mohibiella* Farooqui, 1970 (1 species)
- Genus *Pteronemella* Rao, 1958 (1 species)
- Genus *Pulchrocephala* Travassos, 1925 (2 species)
- Genus *Singhiella* Rao, 1958 (1 species)
- Genus *Travassosinema* Rao, 1958 (9 species)
- Species *claudiae* Morffe & Hasegawa, 2017
- Family **Hystrignathidae** Travassos, 1929 (1 subfamily, 28 genera, 104 species)
- Subfamily **Hystrignathinae** Travassos, 1929 * (28 genera, 104 species)
- Tribe **Hystrignathini** Travassos, 1929 *
- Subtribe **Hystrignathinii** Travassos, 1929 *

468 Fossil, Burmese amber.

Genus *Anomalostoma* Cordeira, 1981 (1 species)
 Genus *Anuronema* Clark, 1978 (1 species)
 Genus *Artigasia* Christie, 1934 (34 species)
 Genus *Basirella* Biswas & Chakravarty, 1963 (1 species)
 Genus *Boraceianema* Travassos & Kloss, 1958 (1 species)
 Genus *Buzionema* Kloss, 1966 (1 species)
 Genus *Carlosia* Travassos & Kloss, 1957 (1 species)
 Genus *Christiella* Travassos & Kloss, 1957 (3 species)
 Genus *Coronocephalus* Cordeira, 1981 (2 species)
 Genus *Glaber* Travassos & Kloss, 1958 (3 species)
 Genus *Hystrignathus* Leidy, 1850 (19 species)
 Genus *Jibacoa* Coy, Otero, Garcia & Alvarez, 1993 (2 species)
 Genus *Klossiella* Cordeira, 1981 (3 species)
 Genus *Klossnema* Cordeira, 1981 (1 species)
 Genus *Lauronema* Almeida, 1938 (1 species)
 Genus *Lepidonema* Cobb, 1898 (3 species)
 Genus *Longior* Travassos & Kloss, 1958 (4 species)
 Species *alius* Garcia & Coy, 1994
 syn *longior* Morffe & Garcia, 2011 (Morffe, Garcia, Breugelmanns & Adams,
 2018)⁴⁶⁹
 Genus *Mentecle* Travassos & Kloss, 1958 (3 species)
 Genus *Papillabrum* Kloss, 1962 (1 species)
 Genus *Passalidophila* Van-Waerebeke, 1973 (1 species)
 Genus *Phalacronema* Clark, 1978 (1 species)
 Genus *Salesia* Travassos & Kloss, 1958 (2 species)
 Genus *Soaresnema* Travassos & Kloss, 1958 (1 species)
 Genus *Sprentia* Clark, 1978 (1 species)
 Genus *Triumphalisenema* Kloss, 1962 (3 species)
 Genus *Urbanonema* Travassos & Kloss, 1958 (2 species)
 Genus *Ventelia* Travassos & Kloss, 1958 (1 species)
 Genus *Vulcanonema* Travassos & Kloss, 1958 (2 species)
 Genus *Xyo* Cobb, 1898 (5 species)

Family **Protrelloidae** Chitwood, 1932 (Adamson & Van-Waerebeke, 1992) (1 subfamily, 5 genera, 29 species)⁴⁷⁰

Subfamily **Protrelloinae** Chitwood, 1932 (5 genera, 29 species)

Tribe **Protrelloidini** Chitwood, 1932 *

Subtribe **Protrelloidinii** Chitwood, 1932 *

Genus *Napolitana* Kloss, 1959 (2 species)
 Genus *Protrellatus* Farooqui, 1970 (5 species)
 Genus *Protrelleta* Chitwood, 1932 (4 species)
 Genus *Protrelloides* Chitwood, 1932 (2 species)
 Genus *Protrellus* Cobb, 1920 (16 species)
 Species *browni* Carreno, 2018

Family **Gyoeryiidae** Kloss, 1958 (Adamson & Buck, 1990) (1 subfamily, 5 genera, 28 species)⁴⁷¹

Subfamily **Gyoeryiinae** Kloss, 1958 (5 genera, 28 species)

469 *Longior alius* Garcia & Coy 1994 was proposed as a synonym of *Longior longior* Morffe & Garcia, 2011, despite being the junior name.

470 Created as a subfamily by Chitwood (1932).

471 First subfamily Gyoeryiinae Kloss 1958, but with genus synonymization of genus *Gyoeryia* Kloss 1958 with *Pseudonymus* Diesing 1857 by Adamson & Van Waerebeke (1992), the name Gyoeryiinae is retained under ICZN article 40.1 which states that a family-group name is maintained even if the type genus is synonymized, as is the case here. The first name used as a family was Pseudonymidae Adamson & Van Waerebeke 1992, but this is more recent than Gyoeryiinae Kloss 1958 and by the principle of coordination Gyoeryiidae Kloss 1958.

- Tribe **Gyoeryiini** Kloss, 1958 *
- Subtribe **Gyoeryiinii** Kloss, 1958 *
- Genus *Itaguaiana* Kloss, 1959 (2 species)
- Genus *Jarryella* Van-Waerebeke & Remillet, 1973 (2 species)
- Genus *Pseudonymus* Diesing, 1857 (12 species)
- Genus *Stegonema* Travassos, 1954 (1 species)
- Genus *Zonothrix* Todd, 1942 (11 species)
- Superfamily **Oxyuroidea** Cobbold, 1864 (3 families, 4 subfamilies, 104 genera, 779 species)
- Family **Heteroxynematidae** Skryabin & Schikhobalova, 1948 (2 subfamilies, 13 genera, 59 species)
- Subfamily **Heteroxynematinae** Skryabin & Schikhobalova, 1948 (10 genera, 35 species)
- Tribe **Heteroxynematini** Skryabin & Schikhobalova, 1948 *
- Subtribe **Heteroxynematini** Skryabin & Schikhobalova, 1948 *
- Genus *Aspicularis* Schulz, 1927 (12 species)
- Genus *Dentostomella* Schulz & Krepkogroskaja, 1932 (6 species)
- Genus *Dermatopallarya* Skryabin, 1924 (1 species)
- Genus *Eudromoxyura* Anderson & Prestwood, 1972 (1 species)
- Genus *Fastigiuris* Babaev, 1966 (1 species)
- Genus *Heteroxynema* Hall, 1916 (8 species)
- Subgenus *Cavioxyura* Quentin, 1975 (2 species)
- Subgenus *Heteroxynema* Hall, 1916 (4 species)
- Subgenus *Nadinema* Hugot, 1983 (1 species)
- Subgenus *Proxyuronema* Quentin, 1975 (1 species)
- Genus *Ivaschkinonema* Erkulov, 1975 (1 species)
- Genus *Kahmannia* Mas, Coma & Esteban, 1982 (1 species)
- Genus *Rauschoxyuris* Quentin, 1975 (1 species)
- Genus *Syphaciella* Moennig, 1923 (3 species)
- Subfamily **Labiostomatinae** Akhtar, 1956 (3 genera, 24 species)
- Tribe **Labiostomatini** Akhtar, 1956 *
- Subtribe **Labiostomatini** Akhtar, 1956 *
- Genus *Cephaluris* Akhtar, 1947 (7 species)
- Genus *Dermatoxys* Schneider, 1866 (9 species)
- Genus *Labiostomum* Akhtar, 1941 (8 species)
- Subgenus *Eugenuris* Schulz, 1948 (3 species)
- Subgenus *Labiostomum* Akhtar, 1941 (5 species)
- Family **Oxyuridae** Cobbold, 1864 (1 subfamily, 56 genera, 294 species)
- Subfamily **Oxyurinae** Cobbold, 1864 * (56 genera, 294 species)
- Tribe **Oxyurini** Cobbold, 1864 *
- Subtribe **Oxyurini** Cobbold, 1864 *
- Genus *Acanthoxyurus* Sandground, 1928 (8 species)
- Subgenus *Acanthoxyurus* Sandground, 1928 (7 species)
- Subgenus *Petronema* Hugot, 1983 (1 species)
- Genus *Adelonema* Mawson, 1978 (1 species)
- Genus *Anaspicularis* Akhtar, 1955 (1 species)
- Genus *Archeonema* Ricci, 1988 (1 species)
- Genus *Auchenacantha* Baylis, 1929 (2 species)
- Genus *Austroxyuris* Johnson & Mawson, 1938 (1 species)
- Genus *Avilandras* Skryabin & Schikhobalova in Skryabin, 1951 (1 species)
- Genus *Biguetius* Chabaud, Petter & Golvan, 1961 (1 species)
- Genus *Caroloxuris* Jimenez, Ruiz & Gardner, 2003 (1 species)
- Genus *Citellina* Prendel, 1928 (11 species)
- Genus *Didelphoxyuris* Gardner & Hugot, 1995 (1 species)
- Genus *Enterobius* Leach in Baird, 1853 (27 species)

Subgenus *Colobenterobius* Quentin, Bellerton & Krishnasamy, 1980 (14 species)
 Species *emodensis* Hasegawa, Nautiyal, Sasaki & Huffman, 2018

Subgenus *Enterobius* Leach in Baird, 1853 (13 species)
 Species *shrivieri* Bolette, Cui & Rogers, 2016

Genus *Evaginuris* Skryabin & Schikhobalova, 1951 (1 species)

Genus *Furconema* Gairola & Malhotra, 1988 (1 species)

Genus *Gynaecometra* Araujo, 1978 (1 species)

Genus *Haplacis* Railliet & Henry, 1916 (1 species)

Genus *Helminthoxys* Freitas, Lent & Almeida, 1937 (9 species)

Genus *Heteromyoxyuris* Quentin, 1973 (2 species)

Genus *Hilgertia* Quentin, 1973 (2 species)

Genus *Hoepflius* Chu, 1931 (1 species)

Genus *Hoplodontophorus* Turner, 1921 (1 species)

Genus *Idiuoxyuris* Hugot, 1988 (2 species)

Genus *Lemuricola* Chabaud & Petter, 1959 (9 species)
 Subgenus *Ingloxyuris* Chabaud, Petter & Golvan, 1961 (1 species)
 Subgenus *Lemuricola* Chabaud & Petter, 1959 (3 species)
 Subgenus *Madoxyuris* Chabaud, Brygoo & Petter, 1965 (1 species)
 Subgenus *Protenterobius* Inglis, 1961 (1 species)
 Subgenus *Rodentoxyuris* Quentin, 1974 (3 species)

Genus *Lepusius* Farooq & Khatoon, 1995 (1 species)

Genus *Lobatorobius* Skryabin & Schikhobalova in Skryabin, 1951 (1 species)

Genus *Macropoxyuris* Mawson, 1964 (2 species)

Genus *Monodelphoxyuris* Guerrero & Hugot, 2003 (1 species)

Genus *Neohilgertia* Navone, Suriano & Pujol, 1990 (1 species)

Genus *Neyrapharyngodon* Calvente, 1948 (1 species)

Genus *Odontogeton* Allgen, 1921 (5 species)
 Species *coronatus* Rodrigues, Furtado, Melo & Santos, 2017
 Species *hexaspinatus* Rodrigues, Furtado, Melo & Santos, 2017

Genus *Oxyuricassis* Rodrigues, Furtado, Melo & Santos, 2017 (2 species)
 Species *coronatus* Furtado, Melo & Santos, 2017

Genus *Oxyuris* Rudolphi, 1803 (15 species)

Genus *Oxyuronema* Kreis, 1932 (1 species)

Genus *Paraicosiella* Majumdar & Chakravarty, 1963 (1 species)

Genus *Paraoxyuronema* Artigas, 1937 (2 species)

Genus *Paraspiculuris* Akhtar, 1955 (4 species)

Genus *Neoparathelandros* nom. nov. pro *Parathelandros* Magzoub, Kasim & Shawa, 1980
 nec Baylis, 1930 (1 species)⁴⁷²

Genus *Paraustroxyuris* Mawson, 1964 (1 species)

Genus *Passalurus* Dujardin, 1845 (2 species)

Genus *Potoroxyuris* Mawson, 1964 (3 species)
 Species *keninupensis* Hobbs & Elliot, 2016

Genus *Protozoophaga* Travassos, 1923 (1 species)

Genus *Pseudaspiculuris* Akhtar, 1955 (1 species)

Genus *Rauschtineria* Hugot, 1980 (2 species)

Genus *Skrjabinema* Werestchajin, 1926 (11 species)
 Subgenus *Chilocrypta* Moennig, 1932 (3 species)
 Subgenus *Skrjabinema* Werestchajin, 1926 (8 species)

Genus *Skryabineandros* Markov, 1962 (1 species)

Genus *Subaspiculuris* Akhtar, 1955 (1 species)

472 Noted as a junior homonym without resolution by Hornero & Roca (1992), accepted with original name by Spencer Jones & Gibson (1987) and Gibbons (2010).

- Genus *Syphabulea* Gubanov, 1964 (9 species)
- Genus *Syphacia* Seurat, 1916 (76 species)
- Subgenus *Cricetoxuris* Hugot, 1988 (4 species)
- Subgenus *Seuratoxyuris* Hugot (12 species)
- Species *hugoti* Del-Rosario-Robles, Panisse & Teresa-Navone, 2014
- Subgenus *Rumbaisyphacia* Dewi, Hasegawa & Asakawa, 2014 (1 species)
- Species *kumis* Dewi, Hasegawa & Asakawa, 2014
- Subgenus *Segienamsyphacia* Dewi, Hasegawa & Asakawa, 2014 (1 species)
- Species *yuniae* Dewi, Hasegawa & Asakawa, 2014
- Subgenus *Syphacia* Seurat, 1916 (50 species)
- Species *maxomyos* Dewi, Hasegawa Fitriana & Asakawa, 2015
- Species *niobe* Smales, 2016
- Species *paruromyos* Dewi & Hasegawa, 2014
- Species *semiadii* Dewi, Asakawa & Fitriana, 2014
- Species *taeromyos* Dewi & Hasegawa, 2014
- Genus *Syphaciuris* Skryabin & Schikhobalova in Skryabin, 1951 (1 species)
- Genus *Sypharista* Quentin, 1971 (9 species)
- Subgenus *Petauxyuris* Hugot, 1985 (5 species)
- Subgenus *Quentinema* Hugot, 1985 (1 species)
- Subgenus *Sypharista* Quentin, 1971 (3 species)
- Genus *Syphatineria* Chabaud & Biocca, 1955 (14 species)
- Subgenus *Africanoxys* Hugot, 1981 (3 species)
- Subgenus *Orientoxys* Hugot, 1981 (3 species)
- Subgenus *Quentenora* Hugot, 1981 (1 species)
- Subgenus *Syphatineria* Chabaud & Biocca, 1955 (7 species)
- Genus *Tiacuatzoxyuris* Jiminez, Caspeta-Mandujano & Albino-Miranda, 2019 (1 species)
- Species *simpsoni* Jiminez, Caspeta-Mandujano & Albino-Miranda, 2019
- Genus *Trypanoxyuris* Ververs, 1923 (22 species)
- Subgenus *Hapaloxxyuris* Inglis & Cosgrove, 1964 (4 species)
- Subgenus *Trypanoxyuris* Ververs, 1923 (14 species)
- Species *cacajao* Conga, Giese, Serra-Freire, Bowler & Mayor, 2016
- Species *multilabiatus* Solorzano, Nadler & Perez-Ponce-De-Leon, 2016
- Species *pigrae* Solorzano, Nadler & Perez-Ponce-De-Leon, 2016
- Species *ucaylii* Conga, Giese, Serra-Freire, Bowler & Mayor, 2016
- Genus *Wellcomia* Sambon, 1907 (13 species)
- Genus *Xeroxyuris* Hugot, 1995 (1 species)
- Genus *Zenkoxyuris* Quentin, 1975 (1 species)
- Family **Pharyngodonidae** Travassos, 1920 (1 subfamily, 35 genera, 426 species)
- Subfamily **Pharyngodoninae** Travassos, 1920 * (35 genera, 426 species)
- Tribe **Pharyngodonini** Travassos, 1920 *
- Subtribe **Pharyngodoninii** Travassos, 1920 *
- Genus *Alaeuris* Thapar, 1925 (38 species)
- Genus *Ataronema* Hasegawa, 2005 (1 species)
- Genus *Batracholandros* Freitas & Ibañez, 1965 (4 species)
- Genus *Brasilnema* Moravec, Kohn & Fernandes, 1992 (1 species)
- Genus *Callistoura* Chabaud & Petter, 1958 (1 species)
- Genus *Cithariniella* Khalil, 1964 (4 species)
- Genus *Cosmoxyinema* Travassos, 1949 (1 species)
- Genus *Cosmoxyinemoides* Travassos, 1949 (3 species)
- Genus *Ctenodactylina* Bernard, 1969 (1 species)
- Genus *Gopheruris* Petter & Douglass, 1976 (1 species)
- Genus *Gyrinicola* Yamaguti, 1938 (5 species)

Species *dehradunensis* Maity, Rizvi, Bursey & Chandra, 2019
 Genus *Hakynema* Moravec & Sey, 1988 (1 species)
 Genus *Ichthyouris* Inglis, 1962 (8 species)
 Species *nunani* Cardenas, Fernandes, Justo & Cohen, 2019
 Genus *Laurotravassoxyuris* Viguera, 1938 (1 species)
 Genus *Mehdiella* Seurat, 1918 (7 species)
 Genus *Neosynodontisia* Moravec, Kamchoo & Pachanawan, 2015 (1 species)
 Species *suratthaniensis* Moravec, Kamchoo & Pachanawan, 2015
 Genus *Okinawandros* Hasegawa, 2005 (1 species)
 Genus *Ortleppnema* Petter, 1966 (1 species)
 Genus *Ozolaimus* Dujardin, 1845 (6 species)
 Species *linstowi* Malysheva, 2016
 Genus *Paralaeuris* Cuckler, 1938 (2 species)
 Genus *Parapharyngodon* Chatterji, 1933 (81 species)⁴⁷³
 Species *ayotzinapaensis* Garduno-Montes, De-Oca, Mata-Lopez & Leon-Regagnon, 2016
 Species *guerreroensis* Bursey & Goldberg, 2015
 Species *galloti* (Astasio-Arbiza, Zapatero-Ramos, Solera-Puertas & Gonzalez-Santiago, 1988) De-Sousa, Jorge, Carretero, Harris, Roca & Perera, 2019
 syn *Thelandros galloti* Astasio-Arbiza, Zapatero-Ramos, Solera-Puertas & Gonzalez-Santiago, 1988
 Species *hugoi* Pereira, Campiao, Luque & Tavares, 2017
 Species *politoedi* Santos, Argolo, Santos, Rodriguez, Gonzalez, Santos & Melo, 2019
 Species *sanjuanensis* Ramallo, Bursey, Castillo & Agosta, 2016
 Species *silvoi* De-Araujo-Filho, Brito, Almeida, Morais & Avila, 2015
 Species *tikuinii* Garduno-Montes, De-Oca, Mata-Lopez & Leon-Regagnon, 2016
 Species *thulini* Rahimian, Pazoki & Habashi, 2014
 Genus *Parasynodontisia* Moravec, Kohn & Fernandes, 1992 (1 species)
 Genus *Parathelandros* Baylis, 1930 (12 species)
 Genus *Pharyngodon* Diesing, 1861 (45 species)
 Genus *Royandersonia* Moravec & Van-As, 2004 (1 species)
 Genus *Shunyanema* Hasegawa & Uchida, 2006 (1 species)
 Genus *Skrjabinodon* Inglis, 1968 (37 species)⁴⁷⁴
 Genus *Spauligodon* Skryabin, Schikhobalova & Lagodovskaja, 1960 (44 species)
 Species *occidentalis* Jorge, Perera, Carriero, Harris & Roca, 2013
 Species *bintangensis* Bursey, Goldberg & Grismer, 2014
 Species *geckonis* Bursey, Goldberg & Grismer, 2016
 Species *papuanensi* Bursey, Goldberg & Kraus, 2017
 Genus *Spinoxyuris* Petter, 1994 (2 species)
 Genus *Synodontisia* Petter, Vassiliades & Troncy, 1972 (3 species)
 Genus *Tachygonetria* Wedl, 1862 (28 species)
 Genus *Thaparia* Ortlepp, 1933 (5 species)
 Genus *Thelandros* Wedl, 1862 (75 species)
 Subgenus *Archithelandros* Petter, 1966 (5 species)
 Subgenus *Thelandros* Wedl, 1862 (69 species)⁴⁷⁵
 Species *karkasensis* Rahimian, Pazoki & Habashi, 2014
 Genus *Travnema* Pereira, 1938 (2 species)

473 Following review by Velarde-Aguilar *et al.* (2015) and De Sousa *et al.* (2019), including 17 species inquirenda.

474 Species including 12 transferred from *Parapharyngodon* (Velarde-Aguilar *et al.* 2015).

475 Including 12 species transferred from *Parapharyngodon* (Velarde-Aguilar *et al.* 2015).

- Genus *Veversia* Thapar, 1925 (1 species)
- Suborder **Ascaridina** Inglis, 1983 (5 superfamilies, 18 families, 43 subfamilies, 212 genera, 2107 species)
- Superfamily **Ascaridoidea** Baird, 1853 (Skryabin, 1915) (5 families, 14 subfamilies, 66 genera, 907 species)
- Family **Anisakidae** Railliet & Henry, 1912b (Skryabin & Karokhin, 1945) (4 subfamilies, 18 genera, 247 species)
- Subfamily **Acanthocheilinae** Wuelker, 1930 * (2 genera, 8 species)⁴⁷⁶
- Tribe **Acanthocheilini** Wuelker, 1930 *
- Subtribe **Acanthocheilini** Wuelker, 1930 *
- Genus *Acanthocheilus* Molin, 1858 (3 species)
- Genus *Metanisakis* Mozgovoi, 1951 (5 species)
- Subfamily **Anisakinae** Railliet & Henry, 1912 (13 genera, 196 species)
- Tribe **Anisakini** Railliet & Henry, 1912b (Chabaud, 1965) (9 genera)⁴⁷⁷
- Subtribe **Anisakini** Railliet & Henry, 1912b *
- Genus *Agamascaris* Steiner, 1924 (2 species)
- Genus *Anisakis* Dujardin, 1845 (26 species)
- Species *berlandi* Mattiucci, Cipriani, Webb, Paoletti, Marcer, Bellisario, Gibson & Nascetti, 2014
- syn *simplex* sp C
- Genus *Heligmus* Dujardin, 1844 (1 species)
- Genus *Phocanema* Myers, 1959 (2 species)
- Genus *Pseudoterranova* Mosgovoy, 1950 (7 species)
- Genus *Pulchrascaris* Vicente & Dos-Santos, 1972 (3 species)
- Genus *Sulcascaris* Hartwich, 1957 (1 species)
- Genus *Terranova* Leiper & Atkinson, 1914 (26 species)
- Species *aetoplatea* (Luo, 2001) Li, Gibson & Zhang, 2016
- syn *Aliascaris aetoplatea* Luo, 2001
- Species *pectinolabiata* Shamsi, Barton & Xhu, 2019
- Genus *Viverranisakis* Soota & Chaturvedi, 1971 (11 species)
- Tribe **Contraeacini** Mozgovoi & Shakhmatova, 1971 (Sprent, 1983) (4 genera)⁴⁷⁸
- Subtribe **Contraeacini** Mozgovoi & Shakhmatova, 1971 *
- Genus *Contraeacum* Railliet & Henry, 1912 (108 species)⁴⁷⁹
- Species *microcephalum* (Rudolphi, 1809) Railliet & Henry, 1912b
- syn *spiculigerum* (Rudolphi, 1809) Railliet & Henry, 1912b partim⁴⁸⁰ (Hartwich, 1964)
- Species *osculatum* (Rudolphi, 1802) Railliet & Henry, 1912b
- syn *Ascaris osculata* Rudolphi, 1802
- syn *Phocascaris hydrurgae* Johnston & Mawson, 1941 (Gibson, 2001)
- syn *Contraeacum antarctica* Johnston, 1938 (Gibson, 2001)
- Species *pelagicum* Johnston & Mawson, 1942
- syn *spheniscus* Johnston & Mawson, 1942 (Garbin Diaz & Navone, 2019)
- Species *qudripapillatum* Saad, Younis & Rabei, 2018
- Species *rudolphii* Hartwich, 1964
- syn *spiculigerum* (Rudolphi, 1809) Railliet & Henry, 1912b partim⁴⁸¹ (Hartwich, 1964)
- Genus *Duplicaeacum* Majumdar & Chakravarty, 1963 (1 species)

476 Originally created as family Acantocheilidae by Wuelker (1930).

477 Original spelling Anisakinea (Chabaud 1965).

478 Original spelling Contraeacinea (Mozgovoi & Shakhmatova 1971).

479 Including a species for which the “distinct morphological features are convincing and support the presence of a new *Contraeacum* species”, but without a formal description because “sufficient male specimens are lacking” (Garbin *et al.* 2019).

480 Reports of the species from pelicans only; reports from cormorants are *C. rudolphii* sensu lato, see Moravec (2009).

481 Reports of the species from cormorants only; reports from pelicans are *C. microcephalum*, see Moravec (2009).

- Genus *Galeiceps* Railliet & Henry, 1912b (4 species)
 Genus *Phocasaris* Hoest, 1932 (4 species)⁴⁸²
 Subfamily **Goeziinae** Travassos, 1919 (2 genera, 40 species)
 Tribe **Goeziini** Travassos, 1919 *
 Subtribe **Goeziinii** Travassos, 1919 *
 Genus *Amphibiogoezia* Ratnamala-Rao, 1980 (1 species)
 Genus *Goezia* Zeder, 1800 (39 species)
 Subgenus *Goezia* Zeder, 1800 (38 species)
 Subgenus *Pseudogoezia* Mozgovi, 1951 (1 species)
 Subfamily **Pseudanisakinae** Petter, Paradiznik & Radujkovic, 1991 (1 genus, 3 species)
 Tribe **Pseudanisakini** Petter, Paradiznik & Radujkovic, 1991 *
 Subtribe **Pseudanisakinii** Petter, Paradiznik & Radujkovic, 1991 *
 Genus *Pseudanisakis* Layman & Borovkova, 1926 (3 species)
 Species *argentiensis* Irigoita, Braicovich, Farber & Timi, 2017
 Family **Ascarididae** Baird, 1853 (4 subfamilies, 35 genera, 432 species)
 Subfamily **Angusticaecinae** Skryabin & Karokhin, 1945 (6 genera, 84 species)
 Tribe **Angusticaecini** Skryabin & Karokhin, 1945 (Chabaud, 1965) (3 genera)⁴⁸³
 Subtribe **Angusticaecinii** Skryabin & Karokhin, 1945 *
 Genus *Amplicaeum* Baylis, 1920 (17 species)
 Genus *Angusticaecum* Baylis, 1920 (5 species)
 Genus *Raillietascaris* Sprent, 1985 (3 species)
 Tribe **Ophidascaridini** Hartwich, 1954 (3 genera)⁴⁸⁴
 Subtribe **Ophidascaridini** Hartwich, 1954 *
 Genus *Hexametra* Travassos, 1919 (12 species)
 Genus *Ophidascaris* Baylis, 1921 (38 species)
 Species *orientalis* (Wang, 1965) Sprent, 1988⁴⁸⁵
 syn *Amplicaeum orientalis* Wang, 1965 (Sprent, 1988)
 Species *wangi* Li, Guo, Li & Zhang, 2014
 Genus *Polydelphis* Dujardin, 1845 (9 species)
 Subfamily **Ascaridinae** Baird, 1853 (18 genera, 203 species)
 Tribe **Ascaridini** Baird, 1853 *
 Subtribe **Ascaridini** Baird, 1853 *
 Genus *Amphisakis* Chakravarty & Majumdar, 1960 (1 species)
 Genus *Ascaris* Linnaeus, 1758 (153 species)
 Genus *Ascarites* Poinar & Boucot, 2006 (3 species)⁴⁸⁶
 Species *rufferi* Da-Silva, Borba, Dutra, Leles, Da-Rosa, Ferreira & Araujo, 2014
 Genus *Bairdascaris* Sprent, 1982 (1 species)
 Genus *Bauruascaris* Cardia, Bertini, Camossi & Letizio, 2019 (4 species)⁴⁸⁷

482 *Phocasaris* Hoest 1932 was accepted as valid most recently by Gibbons (2010), and previously by Fagerholm (1991) and Hartwich (1974), based on morphological evidence. Soleim (1984) considered the distinguishing morphological characters (interlabia) inconsistent, and so formally synonymized the *Phocasaris* with *Contraeaeum*. Molecular and biochemical evidence suggests *Phocasaris* is within a polyphyletic genus *Contraeaeum* Railliet & Henry 1912 (eg Mattiucci *et al.* 2008, Nadler *et al.* 2000, 2005, Nascetti *et al.* 1993, 1997, Orecchia *et al.* 1986), while biological evidence suggests synonymy (Berland 1964). The almost certain polyphyly of the genus *Contraeaeum* means that the genus *Phocasaris* may be a valid or invalid name, depending on the monophyletic units into which the genus is divided and the phylogenetic position and status of the type species *P. phocae* Hoest 1932 within the re-organized group. For this reason, *Phocasaris* is retained in the current classification *pro quo*.

483 Originally created as *Angusticaecinea* (Chabaud 1965).

484 Also *Ophidascaridinea* (Chabaud 1965).

485 Considered a synonym of *Ophidascaris piscatori* by Sprent (1988), but valid by Li Gibson & Zhang (2016).

486 Fossil, known from egg only.

487 Fossil, known from egg only.

- Species *adamantensis* Cardia, Bertini, Camossi & Letizio, 2019⁴⁸⁸
 Species *cretacicus* Cardia, Bertini, Camossi & Letizio, 2019⁴⁸⁹
- Genus *Baylisascaris* Sprent, 1968 (14 species)
 Species *potosis* Tokiwa, Nakamura, Taira & Une, 2014
 Species *transfuga* (Rudolphi, 1819)
 syn *Toxascaris selenarctis* Wang, 1965 (Li, Gibson & Zhang, 2016)
 syn *Toxascaris ailuri* Wu, He & Hu, 1987 (Li, Gibson & Zhang, 2016)
 Species *venezuelensis* Perez-Mata, Garcia-Perez & Gauta-Parra, 2016
- Genus *Freitasascaris* Sprent, 1983 (1 species)
 Genus *Krefftasca* Sprent, 1980 (1 species)
 Genus *Lagochilascaris* Leiper, 1909 (5 species)
 Genus *Mehdiasca* Kalyankar, 1969 (2 species)
 Genus *Metascaris* Schuurmans-Stekhoven, 1950 (1 species)
 Genus *Paraheterotyphlum* Johnston & Mawson, 1948 (2 species)
 Genus *Parascaris* Yorke & Maplestone, 1926 (3 species)
 Genus *Pelicanascaris* Ali & Farooqui in Singh & Tandan, 1970 (1 species)
 Genus *Pseudostrongyloides* Kreis, 1940 (1 species)
 Genus *Sprentascaris* Petter & Cassone, 1984 (3 species)
 Genus *Toxascaris* Leiper, 1907 (6 species)⁴⁹⁰
 Genus *Travassosascaris* Sprent, 1978 (1 species)
- Subfamily **Multicaecinae** Hartwich, 1954 (Campana-Rouget, 1960) (5 genera, 55 species)⁴⁹¹
- Tribe **Dujardinascaridini** Campana-Rouget, 1960 (3 genera)⁴⁹²
- Subtribe **Dujardinascaridini** Campana-Rouget, 1960 *
- Genus *Dujardinascaris* Baylis, 1927 (32 species)
 Species *gigantea* Zhao, Li, Guo & Zhang, 2015
 Species *mormyropsis* Moravec & Jirku, 2014
 Genus *Hartwichia* Chabaud & Bain, 1966 (1 species)
 Genus *Ortleppascaris* Sprent, 1978 (5 species)
 Species *sinensis* Zhao, Wang, Tu, Zhou & Wu, 2016
- Tribe **Multicaecini** Hartwich, 1954 (Campana-Rouget, 1960) (2 genera)⁴⁹³
- Subtribe **Multicaecini** Hartwich, 1954 *
- Genus *Multicaecum* Baylis, 1923 (13 species)
 Genus *Typhlophoros* Linstow, 1906 (4 species)
 Species *kwenae* Junker & Musafchiev, 2017
- Subfamily **Toxocarinae** Hartwich, 1954 (Osche, 1958) (6 genera, 90 species)⁴⁹⁴
- Tribe **Toxocarini** Hartwich, 1954 *
- Subtribe **Toxocarini** Hartwich, 1954 *
- Genus *Mariporrocaecum* Sheenko, 1985 (1 species)
 Genus *Neoscarophis* Machida, 1976 (5 species)
 Species *sinensis* Chen, Zhang, Du & Li, 2017
 Genus *Paradujardinia* Travassos, 1933 (1 species)
 Genus *Porrocaecum* Railliet & Henry, 1912b (55 species)
 Species *parvum* Li, Guo & Zhang, 2015
 Genus *Seuratasca* Sprent, 1985 (1 species)
 Genus *Toxocara* Stiles in Stiles & Hassall, 1905 (27 species)

488 Fossil, known from egg only.

489 Fossil, known from egg only.

490 Extant, but DNA from Pleistocene also recorded (Petrigh *et al.* 2019).

491 Proposed as a family by Hartwich (1954).

492 Original spelling Dujardinascaridinea.

493 Original spelling Multicaecinea.

494 Proposed as a family by Hartwich (1954).

- Family **Crossophoridae** Baylis, 1920 (Hartwich, 1957) (1 subfamily, 2 genera, 2 species)
 Subfamily **Crossophorinae** Baylis, 1920 (2 genera, 2 species)
 Tribe **Crossophorini** Baylis, 1920 *
 Subtribe **Crossophorinii** Baylis, 1920 *
 Genus *Crossophorus* Hemprich & Ehrenberg, 1828 (1 species)
 Genus *Dartevellenia* Ezzat, 1954 (1 species)
- Family **Heterocheilidae** Railliet & Henry, 1912b (Railliet & Henry, 1915) (1 subfamily, 2 genera, 6 species)⁴⁹⁵
 Subfamily **Heterocheilinae** Railliet & Henry, 1912b (2 genera, 6 species)
 Tribe **Heterocheilini** Railliet & Henry, 1912b *
 Subtribe **Heterocheilini** Railliet & Henry, 1912b *
 Genus *Heterocheilus* Diesing, 1839 (2 species)
 Genus *Ingwenascaris* Junker & Mutafchiev, 2017 (4 species)
 Species *sprenti* Junker & Mutafchiev, 2017
 Species *assymetrica* (Ortlepp, 1932) Junker & Mutafchiev, 2017
 syn *Trispiculascaris assymetrica* (Ortlepp, 1932) Sprent, 1983
 syn *Porrocaecum assymmetricum* Ortlepp, 1932
- Family **Raphidascarididae** Hartwich, 1954 (Fagerholm, 1990) (4 subfamilies, 9 genera, 220 species)
 Subfamily **Aliascarinae** Kalyankar, 1971 (1 genus, 2 species)
 Tribe **Aliascarini** Kalyankar, 1971 *
 Subtribe **Aliascarinii** Kalyankar, 1971 *
 Genus *Aliascaris* Kalyankar, 1971 (2 species)
- Subfamily **Lappetascarinae** Rasheed, 1965 (1 genus, 3 species)
 Tribe **Lappetascarini** Rasheed, 1965 *
 Subtribe **Lappetascarinii** Rasheed, 1965 *
 Genus *Lappetascaris* Rasheed, 1965 (3 species)
- Subfamily **Paranisakinae** Hartwich, 1974 (Petter, Paradiznik & Radujkovic, 1991) (2 genera, 20 species)
 Tribe **Paranisakini** Hartwich, 1974 (2 genera)
 Subtribe **Paranisakinii** Hartwich, 1974 *
 Genus *Paranisakiopsis* Yamaguti, 1941 (4 species)
 Genus *Paranisakis* Baylis, 1923 (16 species)
- Subfamily **Raphidascaridinae** Hartwich, 1954 (5 genera, 195 species)
 Tribe **Raphidascaridini** Hartwich, 1954 *
 Subtribe **Raphidascaridini** Hartwich, 1954 *
 Genus *Heterotyphlum* Spaul, 1927 (3 species)
 Genus *Hysterothylacium* Ward & Magath, 1917 (122 species)
 Species *alatum* Moravec & Justine, 2015
 Species *australe* Shamsi, 2017
 Species *brucei* Shamsi, 2017
 Species *kajikiae* Shamsi, 2017
 Species *persicum* Shamsi, Ghadam, Suthar, Mousavi, Soltani & Mirzargar, 2016
 Species *sphyraenae* Moravec & Justine, 2015
 Species *gibsoni* Xu, Li & Zhang, 2014
 Genus *Mawsonascaris* Sprent, 1990 (7 species)
 Species *sauridae* Li, Xu & Zhang, 2008 (nomen nudum Li, Gibson & Zhang, 2016)
 Species *vulvolacinata* Shamsi Dang Zhu & Nowak, 2019
 Genus *Raphidascaris* Railliet & Henry, 1915 (48 species)
 Subgenus *Ichthyascaris* Wu, 1949 (11 species)
 Subgenus *Raphidascaris* Railliet & Henry (25 species)
 Species *macrouri* Perez-i-Garcia, Constenla, Carrasson, Montero, Soler-

495 Subfamily created by Railliet & Henry (1912).

- Membrives & Gonzalez-Solis, 2015
- Species *wangi* Li, Gibson & Zhang, 2016 nom. nov. for *Raphidascaris lophii* Wang & Wu, 1991 (junior homonym of *Raphidascaris lophii* (Wu, 1949) Hartwich, 1975)
- Subgenus *Sprentascaris* Malta, Paiva, Elisei, Tavares & Pereira, 2018 (8 species)
- Species *andersoni* Malta, Paiva, Elisei, Tavares & Pereira, 2018
- Species *saltaensis* Ailan-Choke, Ramallo & Davies, 2017
- Genus *Raphidascaroides* Yamaguti, 1941 (15 species)
- Species *moraveci* Pereira, Tavares, Scholz & Luque, 2015
- Superfamily **Cosmoceroidea** Railliet, 1916 (Skryabin & Schikhobalova, 1951) (3 families, 7 subfamilies, 66 genera, 482 species)
- Family **Atractidae** Railliet, 1917 (Travassos, 1920) (1 subfamily, 22 genera, 80 species)⁴⁹⁶
- Subfamily **Atractinae** Railliet, 1917 (22 genera, 80 species)
- Tribe **Atractini** Railliet, 1917 *
- Subtribe **Atractinii** Railliet, 1917 *
- Genus *Atractis* Dujardin, 1945 (17 species)
- Genus *Buckleyattractis* Khalil & Gibbons, 1988 (1 species)
- Genus *Cobboldina* Leiper, 1911 (3 species)
- Genus *Crossocephalus* Railliet, 1909 (4 species)
- Genus *Cyrtosomum* Geddoelst, 1919 (7 species)
- Genus *Diceronema* Gibbons, Knapp & Krecek, 1996 (1 species)
- Genus *Fitzsimmons nema* Petter, 1966 (1 species)
- Genus *Grassenema* Petter, 1959 (1 species)
- Genus *Hippopotamenema* Sagata & Buddhadeb, 2015 (1 species)
- Species *aliporensis* Sagata & Buddhadeb, 2015
- Genus *Klossinemella* Goncalves-Da-Costa, 1961 (4 species)
- Genus *Labeonema* Puylaert, 1970 (6 species)
- Species *longispiculatum* Moravec & Jirku, 2017
- Genus *Labiduris* Schneider, 1866 (1 species)
- Genus *Leiperenia* Khalil, 1922 (3 species)
- Genus *Monhysterides* Baylis & Daubney, 1922 (5 species)
- Genus *Nouvelnema* Petter, 1959 (1 species)
- Genus *Orientattractis* Petter, 1966 (14 species)
- Species *brycini* Gonzalez-Solis & Mariaux, 2017
- Species *hamabatrachos* Bursey, Goldberg & Kraus, 2014
- Species *longicaudata* Liu & Zhang, 2018
- Species *mekongensis* Moravec, Kamchoo & Pachawan, 2015
- Species *moraveci* Cavalcante, Silva, Santos, Chagas-Moutinho & Santos, 2017
- Genus *Paraorientattractis* Gibbons, Khalil & Marinkelle, 1997 (1 species)
- Genus *Parattractis* Gupta & Naiyer, 1989 (1 species)
- Genus *Podocnematractis* Gibbons, Khalil & Marinkelle, 1995 (2 species)
- Genus *Pseudocyrtosomum* Gupta & Johri, 1988 (1 species)
- Genus *Rhinoclemmysnema* Gibbons & Platt, 2006 (1 species)
- Genus *Rondonia* Travassos, 1919 (4 species)
- Species *batrachogena* Bursey, Goldberg & Kraus, 2014
- Family **Cosmocercidae** Railliet, 1916 (Travassos, 1925) (3 subfamilies, 25 genera, 236 species)
- Subfamily **Austraplectaninae** Baker, 1981 (1 genus, 1 species)
- Tribe **Austraplectanini** Baker, 1981 *
- Subtribe **Austraplectaninii** Baker, 1981 *
- Genus *Austraplectana* Baker, 1981 (1 species)
- Subfamily **Cosmocercinae** Railliet, 1916 (22 genera, 228 species)

496 Created as a subfamily by Railliet (1917).

- Tribe **Cosmocercini** Railliet, 1916 *
- Subtribe **Cosmocercinii** Railliet, 1916 *
- Genus *Aplectana* Railliet & Henry, 1916 (65 species)
- Species *dubrajpuri* Sou & Nandi, 2015
- Species *duttaphryni* Sou, Sow & Nandi, 2014
- Species *hoplobactrachusia* Sou, Sow & Nandi, 2018
- Species *nebolosa* Gomez, Gomez & Sanabria, 2017
- Species *nordestina* De-Amorim, Da-Silva, Morais, Da-Silva & Avila, 2017
- Species *samarensis* Bursey, Goldberg, Siler & Brown, 2018
- Species *uaehi* Falcon-Ordaz, Monks, Pulido-Flores & Rodriguez-Amador, 2014
- Genus *Blanusia* Zapatero, Castano, Fernandez, Lopez, Martinez & Martin Rueda, 1991 (1 species)
- Genus *Cosmocerca* Diesing, 1861 (43 species)
- Species *bengalensis* Sou, Sow & Nandi, 2018
- Species *leytenensis* Bursey, Goldberg, Siler & Brown, 2015
- Species *microhylae* Sou & Nandi, 2015
- Genus *Cosmocercella* Steiner, 1924 (10 species)
- Genus *Cosmocercoides* Wilkie, 1930 (34 species)
- Species *himalayanus* Rizvi & Bursey, 2014
- Species *malayensis* Bursey, Goldberg & Grismer, 2015
- Species *qingtianensis* Chen, Zhang, Nakao & Li, 2018
- Species *sanzorekensis* Bursey, Goldberg & Kraus, 2014
- Species *tonkinensis* Binh, Sato & Pham, 2015
- Species *wuyiensis* Liu, Yu, Shu, Zhao, Fang & Wu, 2019
- Genus *Dentinema* Moravec, Chara & Shinn, 2004 (1 species)
- Genus *Ibrahimia* Khalil, 1932 (1 species)
- Genus *Maracaya* Diaz-Ungria, 1964 (5 species)
- Genus *Nemhelix* Morand & Petter, 1986 (3 species)
- Genus *Neocosmocercella* Baker & Vaucher, 1983 (5 species)
- Species *bakeri* Dos-Santos, De-Oliviera-Rodrigues, Dos-Santos, Gonzalez & De-Vasconcelos-Melo, 2017
- Species *fisherae* Dos-Santos, De-Oliviera-Rodrigues, Dos-Santos-Rocha, Dos-Santos, Gonzalez & De-Vasconcelos-Melo, 2018
- Genus *Neoprotozoophaga* Biswas & Chakravarty, 1963 (2 species)
- Genus *Neosomatiana* Anwar-ul-Islam, Farooq & Khanum, 1979 (1 species)
- Genus *Neoxysomatium* Ballesteros-Marquez, 1945 (7 species)
- Genus *Oxysomatium* Railliet & Henry, 1916 (15 species)
- Genus *Palaeocosmocerca* Poinar, 2011 (2 species)⁴⁹⁷
- Species *burmanica* Poinar, 2011
- Genus *Paradollfusnema* Baker, 1982 (1 species)
- Genus *Paraleptonema* Wang, 1980 (1 species)
- Genus *Paraplesiohedruris* Bursey, Goldberg & Kraus, 2012 (2 species)
- Species *rinse* Bursey Goldberg & Kraus, 2012
- Genus *Parasomatium* Anwar ul-Islam, Farooq & Khanum, 1979 (1 species)
- Genus *Pseudaplectana* Yamaguti, 1961 (1 species)
- Genus *Raillietnema* Travassos, 1927 (18 species)
- Genus *Schrankiana* Strand, 1942 (9 species)
- Species *chacoensis* Elizabeth, Gonzalez & Ines-Hamann, 2014
- Subfamily **Maxvachoniinae** Chabaud & Brygoo, 1960 (2 genera, 7 species)
- Tribe **Maxvachoniini** Chabaud & Brygoo, 1960 *
- Subtribe **Maxvachoniinii** Chabaud & Brygoo, 1960 *

497 Fossil, Burmese amber.

- Genus *Maxvachonia* Chabaud & Brygoo, 1960 (6 species)
 Genus *Typhlonema* Kreis, 1938 (1 species)
- Family **Kathlaniidae** Lane, 1914 (Travassos, 1918) (3 subfamilies, 19 genera, 166 species)
- Subfamily **Cruziinae** Travassos, 1917 (2 genera, 13 species)
- Tribe **Cruziini** Travassos, 1917 *
- Subtribe **Cruziinii** Travassos, 1917 *
- Genus *Cruzia* Travassos, 1917 (12 species)
 Genus *Pseudocruzia* Wolfgang, 1953 (1 species)
- Subfamily **Kathlaniinae** Lane, 1914 (15 genera, 147 species)
- Tribe **Kathlaniini** Lane, 1914 *
- Subtribe **Kathlaniinii** Lane, 1914 *
- Genus *Amblyonema* Linstow, 1898 (1 species)
 Genus *Cissophyllus* Railliet & Henry, 1912b (4 species)
 Genus *Dacnitis* Dujardin, 1845 (1 species)
 Genus *Dacnitoides* Ward & Magath, 1917 (1 species)
 Genus *Falcaustra* Lane, 1915 (71 species)
 Species *congoensis* Bursey, Goldberg, Kusamba & Greenbaum, 2018
 Species *hexapaillata* (Khalil, 1962) Moravec & Scholz, 2017
 syn *guiersi* Vassiliadis, 1973 (Moravec & Scholz, 2017)
 Species *malaysiaia* Bursey, Goldberg & Grismer, 2014
 Species *tintlwini* Bursey & Platt, 2018
- Genus *Kathlania* Lane, 1914 (5 species)
 Genus *Megalobatrachonema* Yamaguti, 1941 (8 species)
 Species *hainanensis* Chen, Zhang & Li, 2018
- Genus *Myleusnema* Moravec & Thatcher, 1996 (2 species)
 Genus *Oniscicula* Schwenk, 1927 (1 species)
 Genus *Probstmayria* Ransom, 1907 (10 species)
 Genus *Serradacnitis* Lane, 1916 (1 species)
 Genus *Spectatus* Travassos, 1923 (2 species)
 syn *Chabaudinema* Diaz-Ungria, 1968 (Baker, 1980)
 Genus *Spirooura* Leidy, 1856 (36 species)
 Genus *Tonaudia* Travassos, 1918 (1 species)
 Genus *Urodelema* Baker, 1981 (3 species)
- Subfamily **Oxyascaridinae** Freitas, 1958 (2 genera, 6 species)⁴⁹⁸
- Tribe **Oxyascaridini** Freitas, 1958 *
- Subtribe **Oxyascaridinii** Freitas, 1958 *
- Genus *Oxyascaris* Travassos, 1920 (5 species)
 Genus *Pseudoxyascaris* Uchida & Itagaki, 1979 (1 species)
- Superfamily **Heterakoidea** Railliet & Henry, 1912b (Chabaud, 1957) (3 families, 6 subfamilies, 25 genera, 217 species)
- Family **Ascaridiidae** Travassos, 1920 (1 subfamily, 1 genus, 37 species)
- Subfamily **Ascaridiinae** Travassos, 1920 * (1 genus, 37 species)
- Tribe **Ascaridiini** Travassos, 1920 *
- Subtribe **Ascaridiinii** Travassos, 1920 *
- Genus *Ascaridia* Dujardin, 1845 (37 species)
 Species *nymphii* Abe, Matsuo & Makino, 2015
 Species *muzaffarnagarensis* Kumar & Sharma, 2014
- Family **Aspidoderidae** Skryabin & Schikhobalova, 1947 (Freitas, 1956) (2 subfamilies, 7 genera, 26 species)
- Subfamily **Aspidoderinae** Skryabin & Schikhobalova, 1947 (5 genera, 14 species)
- Tribe **Aspidoderini** Skryabin & Schikhobalova, 1947 *

498 Synonym of *Cosmocercinae* (Baker & Vaucher 1985), but mostly considered valid (Chabaud 1978, Gibbons 2010).

- Subtribe **Aspidoderinii** Skryabin & Schikhobalova, 1947 *
 - Genus *Aspidodera* Railliet & Henry, 1912b (9 species)
 - Genus *Cheloniheterakis* Yamaguti, 1961 (1 species)
 - Genus *Narsingiella* Rao, 1978 (1 species)
 - Genus *Nematomystes* Sutton, Chabaud & Durette-Desset, 1980 (2 species)
 - Genus *Sexansodera* Skryabin & Schikhobalova, 1947 (1 species)
- Subfamily **Lauroiinae** Skryabin & Schikhobalova, 1951 (2 genera, 12 species)
 - Tribe **Lauroiini** Skryabin & Schikhobalova, 1951 *
 - Subtribe **Lauroiini** Skryabin & Schikhobalova, 1951 *
 - Genus *Lauroia* Proenca, 1938 (4 species)
 - Genus *Paraspidodera* Travassos, 1914 (8 species)
- Family **Heterakidae** Railliet & Henry, 1912b (3 subfamilies, 17 genera, 154 species)
 - Subfamily **Heterakinae** Railliet & Henry, 1912b (11 genera, 82 species)
 - Tribe **Heterakini** Railliet & Henry, 1912b *
 - Subtribe **Heterakinii** Railliet & Henry, 1912b *
 - Genus *Bufonerakis* Baker, 1980 (2 species)
 - Genus *Cagourakis* Petter, Chermette & Vassart, 1989 (1 species)
 - Genus *Haroldakis* Inglis, 1991 (1 species)
 - Genus *Heterakis* Dujardin, 1845 (47 species)
 - Species *equispiculis* Upadhyay, 2019
 - Species *sirawii* Smales, 2016
 - Genus *Kiwinema* Inglis & Harris, 1990 (1 species)
 - Genus *Mammalakis* Inglis, 1991 (3 species)
 - Genus *Musserakis* Hasegawa, Dewi & Asakawa, 2014 (2 species)
 - Species *sulawesiensis* Hasegawa, Dewi & Asakawa, 2014
 - Genus *Neoheterakis* Kumar & Thienpont, 1974 (1 species)
 - Genus *Odontoterakis* Skryabin & Schikhobalova, 1947 (6 species)
 - Genus *Pseudaspidodera* Baylis & Daubney, 1922 (2 species)
 - Genus *Spinicauda* Travassos, 1920 (16 species)
 - Species *sumatrana* Bursey, Goldberg & Harvey, 2017
 - Subfamily **Meteterakinae** Inglis, 1967 (1 genus, 34 species)
 - Tribe **Meteterakini** Inglis, 1967 *
 - Subtribe **Meteterakinii** Inglis, 1967 *
 - Genus *Meteterakis* Karve, 1930 (34 species)
 - Species *asansolensis* Sou, 2019
 - Species *formosensis* Sata, 2018
 - Species *hurawensis* Bursey, Goldberg, Siler & Brown, 2017
 - Species *lombokensis* Purwaningsih, Dewi & Nugroho, 2016
 - Species *occidentalis* Sata, 2018
 - Species *saotomensis* Junker, Mariaux, Measey & Mutafchiev, 2015
 - Species *wonosoboensis* Purwaningsih, Dewi & Hasegawa, 2015
 - Subfamily **Spinicaudinae** Travassos, 1920 (5 genera, 38 species)
 - Tribe **Spinicaudini** Travassos, 1920 *
 - Subtribe **Spinicaudinii** Travassos, 1920 *
 - Genus *Africana* Travassos, 1920 (8 species)
 - Genus *Hatterianema* Chabaud & Dollfus, 1966 (1 species)
 - Genus *Moaciria* Freitas, 1956 (5 species)
 - Genus *Pseudostrongyluris* Guerrero, 1971 (1 species)
 - Genus *Strongyluris* Mueller, 1894 (23 species)
- Superfamily **Subuluroidea** Travassos, 1914 (Travassos, 1930) (2 families, 6 subfamilies, 14 genera, 111 species)
 - Family **Subuluridae** Travassos, 1914 (Yorke & Maplestone, 1926) (5 subfamilies, 13 genera, 109 species)

- Subfamily **Allodapinae** Inglis, 1958 (2 genera, 6 species)
 Tribe **Allodapini** Inglis, 1958 *
 Subtribe **Allodapinii** Inglis, 1958 *
 Genus *Allodapa* Diesing, 1861 (5 species)
 Subgenus *Allodapa* Diesing, 1861 (4 species)
 Subgenus *Labiodapa* Quentin, 1969 (1 species)
 Genus *Aulonocephalus* Chandler, 1935 (1 species)
- Subfamily **Labiobulurinae** Quentin, 1969 (3 genera, 8 species)
 Tribe **Labiobulurini** Quentin, 1969 *
 Subtribe **Labiobulurinii** Quentin, 1969 *
 Genus *Cyclobulura* Quentin, 1977 (1 species)
 Genus *Labiobulura* Skryabin & Schikhobalova, 1948 (6 species)
 Species *lengguruensis* Purwaningsih & Smales, 2018
 Genus *Tarsubulura* Inglis, 1958 (1 species)
- Subfamily **Leipoanematinae** Chabaud, 1957 (1 genus, 1 species)
 Tribe **Leipoanematini** Chabaud, 1957 *
 Subtribe **Leipoanematinii** Chabaud, 1957 *
 Genus *Leipoanema* Johnston & Mawson, 1942 (1 species)
- Subfamily **Parasubulurinae** Berghe & Vuylsteke, 1938 * (1 genus, 3 species)⁴⁹⁹
 Tribe **Parasubulurini** Berghe & Vuylsteke, 1938 *
 Subtribe **Parasubulurinii** Berghe & Vuylsteke, 1938 *
 Genus *Parasubulura* Berghe & Vuylsteke, 1938 (3 species)
- Subfamily **Subulurinae** Travassos, 1914 (6 genera, 91 species)
 Tribe **Subulurini** Travassos, 1914 *
 Subtribe **Subulurinii** Travassos, 1914 *
 Genus *Inglisubulura* Devamma, 1977 (7 species)
 Genus *Oxynema* Linstow, 1899 (8 species)
 Genus *Primasubulura* Inglis, 1958 (10 species)
 Genus *Spiruroides* Cameron & Parnell, 1933 (1 species)
 Genus *Subulura* Molin, 1860 (64 species)
 Subgenus *Murisubulura* Quentin, 1969 (1 species)
 Subgenus *Subulura* Molin, 1860 (62 species)
 Subgenus *Tepuinema* Diaz-Ungria, 1964 (1 species)
 Genus *Travassalodapa* Lopez-Neyra, 1945 (1 species)
- Family **Maupasiniidae** Lopez-Neyra, 1945 (Inglis, 1960) (1 subfamily, 1 genus, 2 species)⁵⁰⁰
 Subfamily **Maupasiniinae** Lopez-Neyra, 1945 (1 genus, 2 species)
 Tribe **Maupasinini** Lopez-Neyra, 1945 *
 Subtribe **Maupasininii** Lopez-Neyra, 1945 *
 Genus *Maupasina* Seurat, 1913 (2 species)
- Superfamily **Seuratoidea** Railliet, 1906 (Chabaud, Campanarouget & Brygoo, 1959) (5 families, 10 subfamilies, 41 genera, 390 species)
- Family **Chitwoodchabaudiidae** Puylaert, 1970 (1 subfamily, 1 genus, 1 species)
 Subfamily **Chitwoodchabaudiinae** Puylaert, 1970 * (1 genus, 1 species)
 Tribe **Chitwoodchabaudiini** Puylaert, 1970 *
 Subtribe **Chitwoodchabaudiinii** Puylaert, 1970 *
 Genus *Chitwoodchabaudia* Puylaert, 1970 (1 species)
- Family **Cucullanidae** Cobbold, 1864 (2 subfamilies, 5 genera, 264 species)
 Subfamily **Campanarougetiinae** Le-Van-Hoa & Pham-Ngoc-Khue, 1971 (2 genera, 5 species)
 Tribe **Campanarougetiini** Le-Van-Hoa & Pham-Ngoc-Khue, 1971 *

499 Proposed as a family by Berghe & Vuylsteke (1938).

500 Created as a subfamily by Lopez-Neyra (1945), but a synonym of Dubioxuridae Ortlepp 1937 which has not been used because the type genus *Duboxuris* Ortlepp 1937 has been synonymized with *Maupasina* Seurat 1913.

- Subtribe **Campanarouetiinii** Le-Van-Hoa & Pham-Ngoc-Khue, 1971 *
- Genus *Campanarouetia* Le-Van-Hoa & Pham-Ngoc-Khue, 1967 (2 species)
- Genus *Oceanicucullanus* Schmidt & Kuntz, 1969 (3 species)
- Subfamily **Cucullaninae** Cobbold, 1864 (3 genera, 259 species)
- Tribe **Cucullanini** Cobbold, 1864 *
- Subtribe **Cucullaninii** Cobbold, 1864 *
- Genus *Cucullanus* Mueller, 1777 (189 species)⁵⁰¹
- Subgenus *Cucullanus* Mueller, 1777 (169 species)
- Species *austropacificus* Moravec & Justine, 2018
- Species *brevicaudatus* Pereira, Vieira & Luque, 2014
- Species *congolensis* Moravec & Jirku, 2017
- Species *djilorensis* Ndew, Diouf, Ba & Morand, 2014
- Species *epinepeli* Moravec & Justine, 2017
- Species *egyptae* Abdel-Ghaffar, Bashtar, Abdel-Gaber, Morsy, Mehlhorn, Al-Quraishy & Mohammed, 2014
- Species *gastrophysi* Vieira, Pereira, Pantoja, Soares, Pereira, Timi, Scholz & Luque, 2015
- Species *gymnothoracis* Moravec & Justine, 2018
- Species *hainanensis* Xu, Zhang & Li, 2014
- Species *incognitus* Moravec & Justine, 2018
- Species *marajoana* Da-Silva-Pinheiro, Sousa-Santana, Monks, Dos-Santos & Giese, 2018
- Species *mormyri* Moravec & Scholz, 2017
- Species *opisthporus* Pereira & Luque, 2017
- Species *protrudens* Vieira, Pereira, Pantoja, Soares, Pereira, Timi, Scholz & Luque, 2015
- Species *pseudopercis* Vieira, Pereira, Pantoja, Soares, Pereira, Timi, Scholz & Luque, 2015
- Species *tucunarensis* Lacerda, Takemoto, Marchiori, Martins & Pavanelli, 2015
- Subgenus *Pakdacnitis* Akram, Mujib, Bilqees & Khatoon, 1997 (4 species)
- Genus *Dichelyne* Jaegerskioeld, 1902 (63 species)
- Subgenus *Cucullanellus* Tornquist, 1931 (25 species)
- Species *bodliani* Moravec & Justine, 2019
- Species *lothari* Cerna, Torres & Silva, 2019
- Species *romani* Isbert, Esteban-Montero, Carrasson & Gonzalez-Solis, 2015
- Species *tornquisti* Paschoal, Vieira, Cezar & Luque, 2014
- Subgenus *Dichelyne* Jaegerskioeld, 1902 (25 species)⁵⁰²
- Species *breviculus* Li, Xu & Zhang, 2014
- Species *diplocaecum* Chandler, 1935
- syn *mexicanus* Caspeta-Mandujano, Moravec & Salgado-Maldonado, 1999
- Species *spinigerus* Moravec, Khosheghbal & Pazooki, 2014
- Subgenus *Neocucullanellus* Yamaguti, 1941 (6 species)
- Genus *Truttaedacnitis* Petter, 1974 (7 species)⁵⁰³
- Family **Quimperiidae** Gendre, 1928 (Baylis, 1930) (2 subfamilies, 17 genera, 74 species)
- Subfamily **Omelinae** Sobolev, 1949 (1 genus, 3 species)
- Tribe **Omelini** Sobolev, 1949 *

501 The genus *Cucullanus* is not monophyletic according to molecular evidence, but no taxonomic proposals regarding these conclusions have yet been published (Choudhury & Nadler 2016).

502 The genus *Dichelyne* is not monophyletic according to molecular evidence, but no taxonomic proposals regarding these conclusions have yet been published (Choudhury & Nadler 2016).

503 The genus *Truttaedacnitis* is not monophyletic, with *T. heterodonti* having other affinities which were not clear according to molecular evidence, but no taxonomic proposals regarding these conclusions have yet been published (Choudhury & Nadler 2016).

- Subtribe **Omelinii** Sobolev, 1949 *
- Genus *Omeia* Hsu, 1933 (3 species)
- Subfamily **Quimperinae** Gendre, 1928 (16 genera, 71 species)
- Tribe **Quimperini** Gendre, 1928 *
- Subtribe **Quimperini** Gendre, 1928 *
- Genus *Buckleynema* Ali & Singh, 1954 (7 species)
- Genus *Desmognathinema* Baker, Goater & Esch, 1987 (3 species)
- Genus *Ezonema* Boyce, 1971 (2 species)
- Genus *Gendria* Baylis, 1930 (7 species)
- syn *Chabaudus* Inglis & Ogden, 1965 (Moravec & Jirku, 2017)
- Species *alaini* (Alfonso-Roque, 1981) Moravec & Jirku, 2017
- syn *Chabaudus alaini* Alfonso-Roque, 1981 (Moravec & Jirku, 2017)
- Species *chabaudi* (Inglis & Ogden, 1965) Moravec & Jirku, 2017
- syn *Chabaudus chabaudi* Inglis & Ogden, 1965 (Moravec & Jirku, 2017)
- Species *dahradunensis* (Rizvi, Bursey & Maity, 2016) Moravec & Jirku, 2017
- syn *Chabaudus dahradunensis* Rizvi, Bursey & Maity, 2016 (Moravec & Jirku, 2017)
- Species *longispiculata* Moravec & Jirku, 2017
- Species *sangahaensis* Moravec & Jirku, 2017
- Species *thysi* (Puylaert, 1970) Moravec & Jirku, 2017
- syn *Chabaudus thysi* Puylaert, 1970 (Moravec & Jirku, 2017)
- Species *williamsi* (Puylaert, 1970) Moravec & Jirku, 2017
- syn *Chabaudus williamsi* Puylaert, 1970 (Moravec & Jirku, 2017)
- Genus *Gibsonnema* Moravec, Salgado-Maldonado & Aguilar-Aguilar, 2002 (2 species)
- Genus *Haplodidentus* Naidu & Thakare, 1981 (1 species)
- Genus *Haplonema* Ward & Magath, 1917 (7 species)
- Genus *Neomeia* Yin & Zhang, 1984 (1 species)
- Genus *Neoparaseuratum* Moravec, Kohn & Fernandes, 1992 (1 species)
- Genus *Paraquimperia* Baylis, 1934 (6 species)
- Genus *Paraseuratoides* Wang, 1984 (1 species)
- Genus *Paraseuratum* Johnston & Mawson, 1940 (2 species)
- Genus *Pingus* Hsu, 1933 (25 species)
- Genus *Quimperia* Gendre, 1928 (1 species)
- Genus *Subulascaris* Freitas & Dobbin, 1957 (4 species)
- Genus *Touzeta* Petter, 1987 (1 species)
- Family **Schneiderematidae** Freitas, 1956 (2 subfamilies, 5 genera, 7 species)
- Subfamily **Inglisonematinae** Freitas, 1956 (Mawson, 1968) (2 genera, 3 species)
- Tribe **Inglisonematini** Freitas, 1956 *
- Subtribe **Inglisonematinii** Freitas, 1956 *
- Genus *Inglisonema* Mawson, 1968 (2 species)
- Genus *Madelinema* Schmidt & Kuntz, 1971 (1 species)
- Subfamily **Schneiderematinae** Freitas, 1956 (3 genera, 4 species)
- Tribe **Schneiderematini** Freitas, 1956 *
- Subtribe **Schneiderematinii** Freitas, 1956 *
- Genus *Ascaroterakis* Vicente, 1965 (1 species)
- Genus *Morgascaridia* Inglis, 1958 (1 species)
- Genus *Schneiderinema* Travassos, 1927 (2 species)
- Family **Seuratidae** Railliet, 1906 (3 subfamilies, 13 genera, 44 species)
- Subfamily **Echinonematinae** Inglis, 1967 (3 genera, 18 species)
- Tribe **Echinonematini** Inglis, 1967 *
- Subtribe **Echinonematinii** Inglis, 1967 *
- Genus *Inglechina* Chabaud, Seureau, Beveridge, Bain & Durette-Desset, 1980 (2 species)

- Genus *Linstowinema* Smales, 1997 (13 species)
- Genus *Seurechina* Chabaud, Seureau, Beveridge, Bain & Durette-Desset, 1980 (3 species)
- Subfamily **Seuratinae** Railliet, 1906 (Hall, 1916) (8 genera, 18 species)
- Tribe **Seuratinini** Railliet, 1906 *
- Subtribe **Seuratininii** Railliet, 1906 *
- Genus *Bainechina* Smales, 1999 (1 species)
- Genus *Chabaudechina* Smales, 1999 (2 species)
- Genus *Durettechina* Smales, 2000 (1 species)
- Genus *Luzonema* Rodrigues, Varela, Rodrigues & Cristofaro, 1973 (1 species)
- Genus *Monovaria* Khera, 1953 (1 species)
- Genus *Seuratium* Hall, 1916 (8 species)
- Genus *Skrjabinura* Gnedina, 1933 (3 species)
- Genus *Stelmioides* Antonucci, 1929 (1 species)
- Subfamily **Skryabinelaziinae** Chabaud, Campana-Rouget & Brygoo, 1959 (2 genera, 8 species)
- Tribe **Skryabinelaziini** Chabaud, Campana-Rouget & Brygoo, 1959 *
- Subtribe **Skryabinelaziinii** Chabaud, Campana-Rouget & Brygoo, 1959 *
- Genus *Rabbium* Chitwood, 1960 (1 species)
- Genus *Skrjabinelazia* Sypliaxov, 1930 (7 species)
- Order **Rhigonematida** (1 suborder, 2 superfamilies, 6 families, 6 subfamilies, 31 genera, 230 species) ⁵⁰⁴
- Suborder **Rhigonematina** Inglis, 1983 (2 superfamilies, 6 families, 6 subfamilies, 31 genera, 230 species)
- Superfamily **Rhigonematoidea** Artigas, 1930 (Kloss, 1960) (3 families, 3 subfamilies, 12 genera, 101 species)
- Family **Rhigonematidae** Artigas, 1930 (1 subfamily, 3 genera, 62 species)
- Subfamily **Rhigonematinae** Artigas, 1930 * (3 genera, 62 species)
- Tribe **Rhigonematini** Artigas, 1930 *
- Subtribe **Rhigonematinii** Artigas, 1930 *
- Genus *Glomerinema* Van-Waerebeke, 1985 (4 species)
- Genus *Rhigonema* Cobb, 1898 (56 species)
- syn *Dudekemia* Artigas, 1930 (Van-Waerebeke, 1984) ⁵⁰⁵
- Species *naylae* Morffe & Hasegawa, 2017
- Species *nesoboli* Garcia & Morffe, 2014
- Genus *Ruizia* Travassos & Kloss, 1959 (2 species)
- Family **Ichthyocephalidae** Travassos & Kloss, 1958 (1 subfamily, 4 genera, 23 species)
- Subfamily **Ichthyocephalinae** Travassos & Kloss, 1958 * (4 genera, 23 species)
- Tribe **Ichthyocephalini** Travassos & Kloss, 1958 *
- Subtribe **Ichthyocephalinii** Travassos & Kloss, 1958 *
- Genus *Ichthyocephaloides* Hunt & Sutherland, 1984 (5 species)
- Genus *Ichthyocephalus* Artigas, 1926 (15 species)
- Genus *Paraichthyocephalus* Travassos & Kloss, 1958 (1 species)
- Genus *Xystrognathus* Hunt, Luc & Spiridonov, 2002 (2 species)
- Family **Xustromatidae** Hunt, 2002 (1 subfamily, 5 genera, 16 species)
- Subfamily **Xustromatinae** Hunt, 2002 * (5 genera, 16 species)
- Tribe **Xustromatini** Hunt, 2002 *
- Subtribe **Xustromatinii** Hunt, 2002 *
- Genus *Obainia* Adamson, 1983 (7 species)
- Genus *Trachyglossus* Hunt, 2002 (1 species)
- Genus *Trachyglossoides* Garcia & Morffe, 2015 (1 species)
- Species *jimenoi* Garcia & Morffe, 2015
- Genus *Xustrostoma* Adamson & Van-Waerebeke, 1984 (2 species)
- Genus *Zalophora* Hunt, 1994 (5 species)

504 Regarded as an order on the basis of conflicting morphological and molecular evidence (Kim *et al.*, 2014), but limited molecular sampling.

505 Synonymy originally proposed by van Waerebeke (1984) confirmed by Hunt (2015).

- Species *dominicana* Garcia & Morffe, 2015
- Superfamily **Ransomnematoidae** Travassos, 1930 (3 families, 3 subfamilies, 19 genera, 129 species)
- Family **Ransomnematidae** Travassos, 1930 (1 subfamily, 3 genera, 16 species)
- Subfamily **Ransomnematinae** Travassos, 1930 * (3 genera, 16 species)
- Tribe **Ransomnematini** Travassos, 1930 *
- Subtribe **Ransomnematinii** Travassos, 1930 *
- Genus *Clementeia* Artigas, 1930 (3 species)
- Genus *Martadamsonius* Van-Waerebeke, 1987 (3 species)
- Genus *Ransomnema* Artigas, 1926 (10 species)
- Family **Carnoyidae** Filipjev, 1934 (Travassos & Kloss, 1960b) (1 subfamily, 14 genera, 62 species)
- Subfamily **Carnoyinae** Filipjev, 1934 (14 genera, 62 species)
- Tribe **Carnoyini** Filipjev, 1934 *
- Subtribe **Carnoyinii** Filipjev, 1934 *
- Genus *Abirovulva* Hunt, 2002 (1 species)
- Genus *Afrocarnoya* Hunt, 1998 (1 species)
- Genus *Brumptaemilius* Dollfus, 1952 (13 species)
- Genus *Carnoya* Gilson, 1898 (30 species)
- Species *philippinensis* Malysheva, Mohagan & Spiridonov, 2015
- Species *cepacapitatus* Mejia-Madrid, 2015
- Species *isabelica* Garcia-Rodriguez & Morffe-Rodriguez, 2014
- Species *filipjevi* Malysheva, 2014
- Genus *Carnoychaeta* Garcia, Coy & Alvarez, 1995 (1 species)
- Genus *Cattiena* Hunt & Spiridonov, 2001 (2 species)
- Genus *Gilsonema* Hunt, 1998 (2 species)
- Genus *Hekarella* Hunt & Mohotti, 2000 (1 species)
- Genus *Pygecantha* Hunt, 1997 (1 species)
- Genus *Raonema* Kloss, 1965 (3 species)
- Genus *Rondonema* Artigas, 1926 (3 species)
- Genus *Urucuia* Kloss, 1961 (1 species)
- Genus *Waerebekeia* Adamson & Anderson, 1985 (2 species)
- Genus *Zyxispinifer* Hunt, 2000 (1 species)
- Family **Hethidae** Skryabin & Schikhobalova, 1951 (Travassos & Kloss, 1960b) (1 subfamily, 2 genera, 51 species)
- Subfamily **Hethinae** Skryabin & Schikhobalova, 1951 (2 genera, 51 species)
- Tribe **Hethini** Skryabin & Schikhobalova, 1951 *
- Subtribe **Hethinii** Skryabin & Schikhobalova, 1951 *
- Genus *Heth* Cobb, 1898 (50 species)
- Species *gordae* Mejia-Madrid, 2014
- Species *impalutiensis* Malysheva, Mohagan & Spiridonov, 2015
- Species *initiensis* Malysheva & Sumaya, 2017
- Species *konoplevi* Malysheva & Sumaya, 2017
- Species *tuxtensis* Mejia-Madrid, 2014
- Species *xarochae* Mejia-Madrid, 2014
- Genus *Tutunema* Hunt, 1998 (1 species)
- Order **Panagrolaimida** Hodda, 2007 (4 suborders, 13 superfamilies, 47 families, 91 subfamilies, 352 genera, 4887 species)⁵⁰⁶
- Suborder **Panagrolaimina** Hodda, 2007 (5 superfamilies, 5 families, 8 subfamilies, 30 genera, 322 species)
- Superfamily **Alloionematoidea** Chitwood & McIntosh, 1934 (Andrassy, 1983) (1 family, 1 subfamily, 5 genera, 14 species)
- Family **Alloionematidae** Chitwood & McIntosh, 1934 (Poinar, 1977) (1 subfamily, 5 genera, 14 species)

506 Spermatogenesis and development provide evidence for the separation of Spirurida, Rhabditida and Panagrolaimida (Yushin & Malakhov 2004, Schierenberg & Lahl 2004).

- Subfamily **Alloionematidae** Chitwood & McIntosh, 1934 (5 genera, 14 species)
- Tribe **Alloionematini** Chitwood & McIntosh, 1934 *
- Subtribe **Alloionematini** Chitwood & McIntosh, 1934 *
- Genus *Alloionema* Schneider, 1859 (5 species)
- Species *luofuensis* Huang, Li & Zhao, 2016
- Species *similis* Holovachov, Bostrom, De-Ley, McDonnell, Alvaredo, Paine & De-Ley, 2016
- syn *californicum* Nermut, Puza, Mracek & Lewis, 2016 (Nermut, Holovachov, Tandingen-De-Ley & Puza, 2017)
- Genus *Cheilobus* Cobb, 1924 (1 species)
- Genus *Leptodera* Dujardin, 1845 (1 species)
- Genus *Neoalloionema* Ivanova, Pham & Spiridonov, 2016 (4 species)
- Species *indicum* Nermut, Puza & Mracek, 2016
- Species *tricaudatum* Ivanova, Pham & Spiridonov, 2016
- Genus *Rhabditophanes* Fuchs, 1930 (3 species)
- Superfamily **Myenchoidea** Pereira, 1931 (Poinar, 1977) (1 family, 1 subfamily, 2 genera, 3 species)
- Family **Myenichidae** Pereira, 1931 (Poinar, 1977) (1 subfamily, 2 genera, 3 species)⁵⁰⁷
- Subfamily **Myenichidae** Pereira, 1931 (2 genera, 3 species)
- Tribe **Myenchini** Pereira, 1931 *
- Subtribe **Myenchinii** Pereira, 1931 *
- Genus *Myenichus* Schuberg & Schroeder in Schuberg, 1904 (2 species)
- Genus *Myoryctes* Eberth, 1863 (1 species)
- Superfamily **Panagrolaimoidea** Thorne, 1937 (Andrassy, 1976) (1 family, 4 subfamilies, 17 genera, 75 species)
- Family **Panagrolaimidae** Thorne, 1937 (Paramonov, 1956) (4 subfamilies, 17 genera, 75 species)⁵⁰⁸
- Subfamily **Panagrellinae** Andrassy, 1976 (4 genera, 23 species)
- Tribe **Panagrellini** Andrassy, 1976 *
- Subtribe **Panagrellinii** Andrassy, 1976 *
- Genus *Anguillula* Mueller, 1786 (2 species)
- Subgenus *Anguillula* Mueller, 1786 (1 species)
- Subgenus *Aorurus* Leidy, 1849 (1 species)
- Genus *Mukhina* Ozdikman, 2010 nom. nov. pro *Brevistoma* Mukhina, 1981 nec *Brevistoma* Tjeder, 1967 (Neuroptera) (3 species)
- Species *orientalis* Mukhina, 2019
- Genus *Panagrellus* Thorne, 1938 (16 species)⁵⁰⁹
- Species *ulmi* Abolafia, Alizadeh & Khakvar, 2016
- Genus *Plectonchus* Fuchs, 1930 (2 species)⁵¹⁰
- syn *Anguilluloides* Ruehm, 1956 (Abolafia, Alizadeh & Khakvar, 2016) (3 species)
- Species *molgos* Massey, 1974
- syn *Anguilluloides zondagi* Dale, 1967 (Abolafia, Alizadeh & Khakvar, 2016)
- Species *procerus* (Weingartner, 1953) Abolafia, Alizadeh & Khakvar, 2016
- syn *Plectonchus procerus* Weingartner, 1953 (Abolafia, Alizadeh & Khakvar, 2016)
- Subfamily **Panagrolaiminae** Thorne, 1937 (9 genera, 41 species)
- Tribe **Panagrolaimini** Thorne, 1937 *
- Subtribe **Panagrolaiminii** Thorne, 1937 *
- Genus *Baldwinema* Atighi, Pourjam, Bert, Pedram, Ghaemi & Panahandeh, 2015 (4 species)
- Species *ilamense* Atighi, Pourjam, Bert, Pedram, Ghaemi & Panahandeh, 2015
- Species *golestanense* Atighi, Pourjam, Bert, Pedram, Ghaemi & Panahandeh,

507 Created as a subfamily by Pereira (1931).

508 Created as a subfamily by Thorne (1937).

509 Species list according to Abolafia *et al.* (2016).

510 Species list according to Abolafia *et al.* (2016).

- Genus *Baujardia* Bert, Tandingan-De-Ley, Van-Driessche, Segers & De-Ley, 2003 (1 species)
- Genus *Panagrobelum* Andrassy, 1984 (1 species)
- Genus *Panagrobelus* Thorne, 1939 (6 species)
- Species *hunti* (Stock, De-Ley, De-Ley, Mundo-Ocampo, Baldwin & Nadler, 2002)
Abolafia, Alizadeh & Khakvar, 2016
syn *Panagrobelus hunti* Stock, De-Ley, De-Ley, Mundo-Ocampo, Baldwin & Nadler, 2002 (Abolafia, Alizadeh & Khakvar, 2016)
- Genus *Panagrodontus* Thorne, 1935 (3 species)
- Genus *Panagrolaimoides* Ivanova, 1976 (1 species)
- Genus *Panagrolaimus* Fuchs, 1930 (23 species)
- Species “DAW1” Wharton, Marshall & Egeter, 2017
Species *neotropicus* Poinar, 2011⁵¹¹
- Genus *Panagromacra* Massey, 1964 (1 species)
- Genus *Procephalobus* Steiner, 1934 (1 species)
- Subfamily **Tricephalobinae** Andrassy, 1976 (3 genera, 10 species)
- Tribe **Tricephalobini** Andrassy, 1976 *
- Subtribe **Tricephalobini** Andrassy, 1976 *
- Genus *Halicephalobus* Timm, 1956 (8 species)
- Genus *Tricephalobus* Steiner, 1936 (1 species)
- Genus *Indocephalobus* Sagata & Buddhadeb, 2014 (1 species)⁵¹²
Species *zebrae* Sagata & Buddhadeb, 2014
- Subfamily **Turbatricinae** Goodey, 1943 (1 genus, 1 species)
- Tribe **Turbatricini** Goodey, 1943 *
- Subtribe **Turbatricinii** Goodey, 1943 *
- Genus *Turbatrix* Peters, 1927 (1 species)
- Superfamily **Steinernematoidea** Filipjev, 1934 (Hodda, 2007) (1 family, 1 subfamily, 3 genera, 148 species)
- Family **Steinernematidae** Filipjev, 1934 (Chitwood & Chitwood, 1937) (1 subfamily, 3 genera, 148 species)
- Subfamily **Steinernematinae** Filipjev, 1934 (3 genera, 148 species)
- Tribe **Steinernematini** Filipjev, 1934 *
- Subtribe **Steinernematini** Filipjev, 1934 *
- Genus *Neosteinerinema* Nguyen & Smart, 1994 (1 species)
- Genus *Prescafilotermes* Poinar, 2011 (2 species)⁵¹³
Species *dominicanus* Poinar, 2011
Species *elongatus* Poinar, 2011
- Genus *Steinernema* Travassos, 1927 (145 species)
- Species *akhursti* Qiu, Hu, Zhou, Mei, Nguyen & Pang, 2005b
syn *everestense* Khatri-Chhetri, Waeyenberge, Spiridonov, Manandhar & Moens, 2011 (Hunt & Subbotin, 2016)
- Species *balochiense* Fayyaz, Khanum, Ali, Solangi, Gulsher & Javed, 2015
Species *beitlechemi* Cimen, Puza, Nermut, Hattig, Ramakuwela, Faktorova & Hazir, 2016
Species *biddulphi* Cimen, Puza, Nermut, Hattig, Ramakuwela & Hazir, 2016
Species *bifurcatum* Fayyaz, Yan, Qiu, Han, Gulsher, Khanum & Javed, 2014
Species *borjomiense* Gorgadze, Fanelli, Lortkipanidze, Troccoli, Burjanadze, Tarasco & De-Luca, 2018
Species *cameroonense* Kanga, Trinh, Wayenberge, Spiridonov, Hauser & Moens,

511 Fossil, Dominican amber.

512 Considered a junior synonym of *Diplogastrellus* by Abolafia & Pena-Santiago (2018b), but biologically related to *Halicephalobus*.

513 Fossil, Dominican amber.

2012

- Species *carpocapsae* (Wieser, 1955) Wouts, Mracek, Gerdin & Bedding, 1982
syn *anatoliense* Hazir, Stock & Keskin, 2003 (Hunt & Subbotin, 2016)
syn *websteri* Cutler & Stock, 2003 (Hunt & Subbotin, 2016)
syn *meghalayense* Ganguly, Rathour & Singh, 2011 (Hunt & Subbotin, 2016)
Species *changbaiense* Ma, Chen, De-Clercq, Han & Moens, 2012
Species *citrae* Stokwe, Malan, Nguyen, Knoetze & Tiedt, 2011
Species *ethiopiense* Tamiru, Waeyenberge, Hailu, Ehlers, Puza & Mracek, 2012
Species *fabii* Abate, Malan, Tiedt, Wingfield, Slippers & Hurley, 2016
Species *goweni* San-Blas, Morales-Montero, Portillo, Nermut & Puza, 2016
Species *hermaphroditum* Stock, Griffin & Chaerani, 2004
syn *dharanai* Kulkarni, Rizvi, Kumar, Paunikar & Mishra, 2012 (Hunt & Subbotin, 2016)
Species *huense* Ke-Long-Phan, Mracek, Puza, Nermut & Jarosova, 2014
Species *innovationi* Cimen, Lee, Hatting, Hazir & Stock, 2015
Species *jeffreysense* Malan, Knoetze & Tiedt, 2016
Species *kandii* Godjo, Afouda, Baimey, Couvriér, Zadji, Houssou, Bert, Willems & Decraemer, 2019
Species *khuongi* Stock, Campos-Herrera, El-Borai & Duncan, 2019
Species *litchi* Steyn, Knoetze, Tiedt & Malan, 2017
Species *lamjungense* Khatri-Chhetri, Waeyenberge, Spiridonov, Manandhar & Moens, 2011
Species *nepalense* Khatri-Chhetri, Waeyenberge, Spiridonov, Manandhar & Moens, 2011
Species *nguyeni* Malan, Knoetze & Tiedt, 2016
Species *nyetense* Kanga, Trinh, Waeyenberge, Spiridonov, Hauser & Moens, 2012
Species *pakistanense* Shahina, Anis, Reid, Rowe & Maqbool, 2001
syn *maqbooli* Fayyaz, Khanum, Gulsher & Javed, 2013 (Hunt & Subbotin, 2016)
Species *papillatum* San-Blas, Portillo, Nermut, Puza & Morales-Montero, 2015
Species *phyllophagae* Nguyen & Buss, 2011
Species *poinari* Mracek, Puza & Nermut, 2014
Species *papillatum* San-Blas, Portillo, Nermut, Puza & Morales-Montero, 2015
Species *pui* Qiu, Zhao, Wu, Li & Pang, 2011
Species *pwaniensis* Puza, Nermut, Mracek, Gengler & Haukeland, 2017
Species *ralatorei* Grifaldo-Alcantara, Alatorre-Rosas, Segura-Leon & Hernandez-Rosas, 2017
Species *sacchari* Nthenga, Knoetze, Berry, Tiedt & Malan, 2014
Species *surkhetense* Khatri-Chhetri, Waeyenberge, Spiridonov, Manandhar & Moens, 2011
Species *taiwanensis* Tseng, Hou & Tang, 2018
Species *thesami* (Gorgadze, 1988) Gorgadze & Lortkipanidze, 2004
syn *tbilisiense* Gorgadze, Lortkipanidze, Ogier, Tailliez & Burjanadze, 2015 (Hunt & Subbotin, 2016)
Species *tielingense* Ma, Chen, Li, Han, Khatri-Chhetri, De-Clercq & Moens, 2012
Species *tophus* Cimen, Lee, Hatting, Hazir & Stock, 2014
Species *vulcanicum* Clausi, Longo, Rappazzo, Tarasco & Vinciguerra, 2011
Species *xinbinense* Ma, Chen, De-Clercq, Waeyenberge, Han & Moens, 2012
Superfamily **Strongyloidoidea** Chitwood & McIntosh, 1934 (De-Ley & Blaxter, 2002) (1 family, 1 subfamily, 3 genera, 82 species)
Family **Strongyloidea** Chitwood & MacIntosh, 1934 (1 subfamily, 3 genera, 82 species)
Subfamily **Strongyloidea** Chitwood & McIntosh, 1934 * (3 genera, 82 species)
Tribe **Strongyloidea** Chitwood & McIntosh, 1934 *

- Subtribe **Strongyloidinii** Chitwood & McIntosh, 1934 *
- Genus *Leiperinema* Narayan-Singh, 1976 (1 species)
- Genus *Parastrongyloides* Morgan, 1928 (18 species)
- Species *caenolesti* Spratt, 2017
- Species *nadgeensis* Spratt, 2018
- Species *neotropicalis* Ricardo-Guerrero, 2016
- Species *tachyglossi* Spratt, 2017
- Species *timbillicensis* Spratt, 2018
- Species *walterae* Spratt, 2018
- Genus *Strongyloides* Grassi, 1879 (63 species)
- Suborder **Aphelenchina** Geraert, 1966 (3 superfamilies, 10 families, 13 subfamilies, 43 genera, 823 species)⁵¹⁴
- Superfamily **Aphelenchoidea** Fuchs, 1937 (Thorne, 1949) (1 family, 1 subfamily, 1 genus, 29 species)
- Family **Aphelenchidae** Fuchs, 1937 (Steiner, 1949) (1 subfamily, 1 genus, 29 species)⁵¹⁵
- Subfamily **Aphelenchinae** Fuchs, 1937 (1 genus, 29 species)
- Tribe **Aphelenchini** Fuchs, 1937 *
- Subtribe **Aphelenchinii** Fuchs, 1937 *
- Genus *Aphelenchus* Bastian, 1865 (29 species)
- Subgenus *Anaphelenchus* Anderson & Hooper, 1980 (1 species)
- Subgenus *Aphelenchus* Bastian, 1865 (27 species)
- Species *assamenensis* Chanu, Meitel & Shah, 2017
- Superfamily **Aphelenchoideoidea** Skarbilovich, 1947 (Siddiqi, 1980) (8 families, 11 subfamilies, 41 genera, 726 species)
- Family **Acugutturidae** Hunt, 1993 (2 subfamilies, 4 genera, 6 species)
- Subfamily **Acugutturinae** Hunt, 1980 (2 genera, 2 species)
- Tribe **Acugutturini** Hunt, 1980 *
- Subtribe **Acugutturinii** Hunt, 1980 *
- Genus *Acugutturus* Hunt, 1980 (1 species)
- Genus *Setonema* Poinar, 2011 (1 species)⁵¹⁶
- Species *protera* Poinar, 2011
- Subfamily **Noctuidonematinae** Hunt, 1993 (2 genera, 4 species)
- Tribe **Noctuidonematini** Hunt, 1993 *
- Subtribe **Noctuidonematinii** Hunt, 1993 *
- Genus *Noctuidonema* Remillet & Silvain, 1988 (2 species)
- Genus *Vampyronema* Hunt, 1993 (2 species)
- Family **Aphelenchooidae** Skarbilovich, 1947 (Paramonov, 1953) (2 subfamilies, 16 genera, 312 species)

514 Hodda (2007) considered the Superfamilies Aphelenchoidea and Aphelenchoidea as belonging to the different suborders Panagrolaimina and Tylenchina, respectively, because of consistent differentiation with support on molecular evidence (De Ley & Blaxter 2004, Holterman *et al.* 2006, Meldal *et al.* 2006, Smythe *et al.* 2006). The most recent molecular evidence resolved the superfamilies into different clades with statistical support, but did not show closer affinities to either Panagrolaimina or Tylenchina (Van Megen *et al.* 2009). De Ley & Blaxter (2002) and De Ley *et al.* (2006), despite the clear molecular evidence, as well as morphological differences, considered the morphological similarities most important and put the two groups together (as families Aphelenchidae and Aphelenchooidae) in infraorder Tylenchomorpha (= suborder Tylenchina in the current classification). Here the superfamilies are regarded as separate, based on both the molecular evidence and morphology. Morphological differences include most notably the development of the posterior oesophagus, the presence or absence of bursae and gubernacula, as well as other features. The present classification reflects the morphological differences as being apomorphies within Aphelenchina defining the superfamilies. but the superfamilies are together regarded as a suborder on the basis of the long-noticed morphological apomorphies, most prominently the form of the median oesophageal bulb and the position of the oesophageal gland orifices (Hunt 1993, Geraert 1966, Thorne 1949). The suborder reflects the differentiation of both superfamilies from Panagrolaimina and Tylenchina, which has some molecular support (Sun *et al.* 2014).

515 Created as a subfamily by Fuchs (1937).

516 Fossil, Dominican amber.

species)⁵¹⁷

Subfamily **Aphelenchoidinae** Skarbilovich, 1947 (15 genera, 310 species)

Tribe **Aphelenchoidini** Skarbilovich, 1947 *

Subtribe **Aphelenchoidinii** Skarbilovich, 1947 *

Genus *Aphelenchoides* Fisher, 1894 (220 species)

Species *aerialis* Chanu, Mohilal, Victoria & Shah, 2015

Species *altaicus* Khusainov, 2014

Species *assamensis* Chanu, Meitei & Shah, 2017

Species *brevicauda* Mahamood, Li, Keshari & Liang, 2015

Species *eldaricus* Esmaili, Heydari, Golhasan & Kanzaki, 2017

Species *fuchsi* Esmaili, Heydari, Ziaie & Gu, 2016

Species *giblandavisi* Aliramaji, Pourjam, Alvarez-Ortega, Afshar & Pedram, 2018

Species *gorganensis* Miraeiz, Heydari & Bert, 2017

Species *huntensis* Esmaili, Fang, Li & Heydari, 2016

Species *hypotris* Shah, Siddiqi & Handoo, 2015

Species *iranicus* Golhasan, Heydari, Alvarez-Ortega, Esmaili, Castillo & Palomares-Rius, 2016

Species *lii* (Huang & Ye, 2006) Kanzaki, Ekino & Masuya, 2019

syn *Seinura lii* Huang & Ye, 2006

Species *kheirii* Golhasan, Heydari, Esmaili & Kanzaki, 2018

Species *longistylus* Chanu & Mohilal, 2014

Species *macrospica* Golhasan, Heydari, Esmaili & Miraez, 2017

Species *manipurensis* Chanu & Mohilal, 2018

Species *medicagus* Wang, Bert, Gu, Couvriev & Li, 2019⁵¹⁸

Species *meghalayensis* Bina & Mohilal, 2017

Species *neominoris* Chanu & Mohilal, 2014

Species *paraxui* Esmaili, Heydari, Fang & Li, 2017

Species *primadentus* Mobasser, Pourjam & Pedram, 2018

Species *pseudogoodeyi* Oliviera, Subbotin, Alvarez-Ortega, Desaegeer, Brito, Xavier, Freitas, Vau & Inserra, 2019

Species *rotundicaudatus* Fang, Wang, Gu & Li, 2014

Species *salixae* Esmaili, Heydari, Tahmoures & Ye, 2017

Species *stellatus* Fang, Gu, Wang & Li, 2014

Species *tabarastanensis* Golhasan, Fang, Li, Maafi & Heydari, 2019

Species *turnipi* Israr, Shahina & Nasira, 2017

Genus *Cretaciaphelenchoides* Poinar, 2011 (1 species)⁵¹⁹

Species *burmensis* Poinar, 2011

Genus *Ficophagus* Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015 (32 species)⁵²⁰

Species *aculeata* (Davies, Bartholomaeus, Ye, Kanzaki & Giblin-Davis, 2010)

Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015

syn *Schistonchus aculeata* Davies, Bartholomaeus, Ye, Kanzaki & Giblin-Davis, 2010

Species *altermacrophylla* (Lloyd & Davies, 1997) Davies, Ye, Kanzaki,

Bartholomaeus, Zeng & Giblin-Davis, 2015

syn *Schistonchus altermacrophylla* Lloyd & Davies, 1997

Species *altissimus* (Zeng, Ye, Huang, Li & Giblin-Davis, 2013a) Davies, Ye, Kanzaki,

517 Created as a subfamily by Skarbilovich (1947).

518 Described from material intercepted in China on plants shipped from USA.

519 Fossil, Dominican amber.

520 Including species partially characterized and not formally named (Davies *et al.* 2017a, b, Sriwati *et al.* 2017), as well as species indeterminata (Davies *et al.* 2015).

Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus altissimus* Zeng, Ye, Huang, Li & Giblin-Davis, 2013
 Species *antherobenghalensis* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki,
 Bartholomaeus, Herre, Esquivel & Giblin-Davis,
 2017
 syn *antherobenghalensis* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki,
 Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 Species *aureus* (De-Crappeo & Giblin-Davis, 2001) Davies, Ye, Kanzaki,
 Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus aureus* (De-Crappeo & Giblin-Davis, 2001) Davies, Ye, Kanzaki,
 Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species *auriculatae* Zen, Huang, Zhang, Zeng, Shi, Zhang, Peng, Ye & Giblin-Davis,
 2019
 Species *bullenei* Davies, Ye, Kanzaki, Center, Bartholomaeus, Herre, Esquivel &
 Giblin-Davis, 2017
 Species *benjamina* (Bartholomaeus, Davies, Ye & Giblin-Davis, 2012) Davies, Ye,
 Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus benjamina* Bartholomaeus, Davies, Ye & Giblin-Davis, 2013
 Species *centerae* (Zeng, Giblin-Davis & Ye, 2007) Davies, Ye, Kanzaki,
 Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus centerae* Zeng, Giblin-Davis & Ye, 2007
 Species *costaricanus* Davies, Ye, Kanzaki, Center, Bartholomaeus, Herre, Esquivel
 & Giblin-Davis, 2017
 Species *cuculloracemosus* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki,
 Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 syn *cuculloracemosus* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki,
 Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 Species *curtipes* Zhang, Zeng, Huang, Zeng, Peng, Ye, Huang & Giblin-Davis, 2019
 Species *fleckeri* (Davies, Bartholomaeus, Kanzaki, Ye & Giblin-Davis, 2013) Davies,
 Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus fleckeri* Davies, Bartholomaeus, Kanzaki, Ye & Giblin-Davis, 2013
 Species *kayai* Davies, Ye, Kanzaki, Center, Bartholomaeus, Herre, Esquivel &
 Giblin-Davis, 2017
 Species *laevigatus* (DeCrappeo & Giblin-Davis, 2001) Davies, Ye, Kanzaki,
 Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus laevigatus* DeCrappeo & Giblin-Davis, 2001
 Species *maxima* Davies, Ye, Center, Kanzaki, Bartholomaeus, Herre, Esquivel &
 Giblin-Davis, 2017
 Species *microcarpus* (Zeng, Ye, Giblin-Davis, Li, Zhang & Du, 2011) Davies, Ye,
 Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus microcarpus* Zeng, Ye, Giblin-Davis, Li, Zhang & Du, 2013
 Species MSp.16 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species MSp.17 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species MSp.21 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species MSp.22 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species MSp.24 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species MSp.27 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species MSp.31 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species MSp.32 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species *microbenghalensis* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki,
 Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 syn *microbenghalensis* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki,

- Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 Species *paraensis* Davies, Ye, Kanzaki, Center, Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 Species *religiousus* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki, Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 syn *religiousus* (Bajaj & Tomar, 2014) Davies, Ye, Center, Kanzaki, Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 Species *virens* (Bartholomaeus, Davies, Kanzaki, Ye & Giblin-Davis, 2009) Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus virens* Bartholomaeus, Davies, Ye, Kanzaki & Giblin-Davis, 2009
 Species *yoponensis* Davies, Ye, Center, Kanzaki, Bartholomaeus, Herre, Esquivel & Giblin-Davis, 2017
 Species *zealandicus* (Zhao, Li, Ye & Davies, 2015) Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus zealandicus* Zhao, Li, Davies & Ye, 2015
 Genus *Kashmira* Shah, Siddiqi & Handoo, 2015 (1 species)
 Species *dimorphicauda* Shah, Siddiqi & Handoo, 2015
 Genus *Japanema* Moosavi Aliramaji, Pourjam & Pedram, 2014 (1 species)
 Species *entomophagus* (Nickle, 1970) Moosavi, Aliramaji, Pourjam & Pedram, 2014
 syn *Sheraphelenchus entomophagus* Nickle, 1970
 Genus *Laimaphelenchus* Fuchs, 1937 (19 species)
 Species *hyrcanus* Miraeiz, Heydari, Maafi & Bert, 2015
 syn *belgradiensis* Oro, 2015 (Maleita & Abrantes, 2018)
 Species *suberensis* Nobre-Maleita, Costa & Abrantes, 2018
 Genus *Martininema* Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015 (4 species)⁵²¹
 Species *baculum* (Davies, Bartholomaeus, Kanzaki, Ye & Giblin-Davis, 2013) Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus baculum* Davies, Bartholomaeus, Kanzaki, Ye & Giblin-Davis, 2013
 Species *fistulosus* (Zeng, Ye, Wang, Du & Giblin-Davis, 2013) Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 syn *Schistonchus fistulosus* Zeng, Ye, Wang, Du & Giblin-Davis, 2013
 Species *guangzhouense* (Zeng, Giblin-Davis & Ye, 2007) Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
 Species *semichordatae* Zhao, Zhang, Zeng & Huang, 2019
 Genus *Oligaphelenchoides* Poinar, 1977 (5 species)⁵²²
 Species *dominicanus* Poinar, 2011
 Species *maximus* Poinar, 2011
 Genus *Palaeoaphelenchoides* Poinar, 2011 (1 species)⁵²³
 Species *balticus* Poinar, 2011
 Genus *Ptychaphelenchus* Hodda, 2009c (1 species)
 Genus *Punchaulus* De-Ley & Coomans, 1996 (1 species)
 Genus *Robustodorus* Andrassy, 2007 (7 species)⁵²⁴
 Species *arachidis* (Bos, 1977) Kanzaki, Shokoohi, Fourie, Swart, Muller & Giblin-Davis, 2018

521 None of the species not formally named in Davies *et al.* (2015, 2017a or 2017b) are in the clade that forms this genus, so none are counted here.

522 Fossil.

523 Fossil, Baltic amber.

524 Replacement name for *Megadorus* Goodey 1960 which is a homonym of *Megadorus* Linnavuori 1959 (Insecta: Hemiptera)

- syn *Aphelenchoides arachidis* Bos, 1977 (Kanzaki, Shokoohi, Fourie, Swart, Muller & Giblin-Davis, 2018)
- Species *helicus* (Heyns, 1964) Aliramaji, Pourjam, Alvarez-Ortega, Afshar & Pedram, 2018
- syn *Aphelenchoides helicus* Heyns, 1964
- Species *subtenuis* (Cobb, 1926) Kanzaki, Shokoohi, Fourie, Swart, Muller & Giblin-Davis, 2018
- syn *Aphelenchus subtenuis* Cobb, 1926
- syn *Aphelenchoides subtenuis* (Cobb, 1926) Christie, 1942
- syn *Aphelenchoides hodsoni* Goodey, 1935 (Christie, 1942)
- Genus *Schistonchus* Cobb, 1927 (11 species)⁵²⁵
- Species *athertonensis* Davies, Bartholomaeus, Kanzaki & Giblin-Davis, 2013
- Species *cassowaryi* Davies, Bartholomaeus, Kanzaki, Ye & Giblin-Davis, 2013⁵²⁶
- Species *flagellobenghalensis* Bajaj & Tomar, 2014
- Species *flagelloracemosus* Bajaj & Tomar, 2014
- Species *hirtus* Zeng, Ye, Giblin-Davis, Li, Du & Zhao, 2010
- Species MSp. 5 Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis, 2015
- Species *molochi* Davies, Bartholomaeus, Kanzaki & Giblin-Davis, 2013
- Species *mucroracemosus* Bajaj & Tomar, 2014
- Species *superbus* Zeng, Ye, Li, Wang, Du & Giblin-Davis, 2013
- Genus *Sheraphelenchus* Nickle, 1970 (6 species)
- Species *brevigulonis* (Massey & Hinds, 1970) Hunt, 1993
- Species *entomophagus* Nickle, 1970
- Species *parabrevigulonis* Fang, Gu, Wang, Wang & Li, 2015
- Tribe **Albiziaphelenchini** n. tribe⁵²⁷
- Subtribe **Albiziaphelenchini** n. subtribe *
- Genus *Albiziaphelenchus* Bajaj, 2012 (1 species)
- Species *arthrorostris* Bajaj, 2012
- Subfamily **Anomyctinae** Goodey, 1960 (1 genus, 1 species)
- Tribe **Anomyctini** Goodey, 1960 *
- Subtribe **Anomyctinii** Goodey, 1960 *
- Genus *Anomyctus* Allen, 1940 (1 species)
- Family **Berntsenidae** Hodda, 2003 (1 subfamily, 1 genus, 2 species)
- Subfamily **Berntseninae** Hodda, 2003 * (1 genus, 2 species)
- Tribe **Berntsenini** Hodda, 2003 *
- Subtribe **Berntseninii** Hodda, 2003 *
- Genus *Berntsenus* Massey, 1974 (2 species)
- Family **Ektaphelenchidae** Paramonov, 1964 (1 subfamily, 4 genera, 95 species)
- Subfamily **Ektaphelenchinae** Paramonov, 1964 (4 genera, 95 species)
- Tribe **Ektaphelenchini** Paramonov, 1964 *
- Subtribe **Ektaphelenchinii** Paramonov, 1964 *
- Genus *Cryptaphelenchoides* J.B. Goodey, 1960 (5 species)
- Genus *Cryptaphelenchus* Fuchs, 1937 (34 species)
- Species *baujardi* Aliramaji, Miraeiz, Pourjam & Heydari, 2019
- Species *dominicus* Poinar, 2011⁵²⁸
- Species *iranicus* Esmaceli, Heydari, Taheri, Fang & Li, 2016

525 Divided into 3 genera by Davies *et al.* (2015). Species indeterminata remain provisionally in *Schistonchus* sensu stricto.

526 Species indeterminata according to Davies *et al.* (2015). Here retained in original genus on the basis of morphological characters differentiating from other species and indicating affinities with the genus *Schistonchus*.

527 Type genus is *Albiziaphelenchus* Bajaj, 2012. Differentiated from Aphelenchoidini by shape of spicule, presence of preanal genital papillae and distinct oesophageal isthmus. Otherwise with the features of the family

528 Fossil, Dominican amber.

- Species *varicaudatus* Pedram, 2017
- Genus *Ektaphelenchoides* Baujard, 1984 (21 species)
- Species *caspiensis* Aliramaji, Pourjam, Karegar, Atighi & Pedram, 2015
- Species *fuchsi* Esmaeili, Heydari, Pourjam & Atighi, 2014
- Species *maafiae* Golhasan, Esmaeili, Fang, Abolafia & Heydari, 2019
- Species *persicus* Esmaeili, Golhasan, Tahmoures & Heydari 2018
- Species *poinari* Aliramaji, Pourjam, Atighi, Ye, Roshan-Bakhsh & Pedram, 2014
- Species *ruehmi* Yaghoubi, Pourjam, Atighi & Pedram, 2014
- Species *spondylus* Kanzaki, Giblin-Davis & Center, 2009
- Species *tonekabonensis* Aliramaji, Pourjam, Miraeiz & Pedram, 2019
- Genus *Ektaphelenchus* Fuchs, 1937 (35 species)
- Species *berbericus* Alvani, Mahdikhani-Moghadam, Giblin-Davis & Pedram, 2016
- Species *cupressi* Golhasan, Abdollahpour, Fang, Abolafia & Heydari, 2019
- Species *kanzakii* Pedram, 2019
- Species *koreanus* Gu, Maria, Fang & Liu, 2019
- Species *oleae* Miraeiz, Heydari, Adeldoost & Ye, 2017
- Family **Entaphelenchidae** Nickle, 1970 (1 subfamily, 4 genera, 12 species)
- Subfamily **Entaphelenchinae** Nickle, 1970 (4 genera, 12 species)
- Tribe **Entaphelenchini** Nickle, 1970 *
- Subtribe **Entaphelenchinii** Nickle, 1970 *
- Genus *Entaphelenchus* Wachek, 1955 (6 species)
- Genus *Peraphelenchus* Wachek, 1955 (3 species)
- Species *orientalis* Kanzaki, Tanaka, Ikeda, Taki, Sugiura & Matsumoto, 2013
- Genus *Praecocilenchus* Poinar, 1969 (2 species)
- Genus *Roveaphelenchus* Nickle, 1970 (1 species)
- Family **Parasitaphelenchidae** Ruehm, 1956 (Siddiqi, 1980) (2 subfamilies, 5 genera, 217 species)
- Subfamily **Parasitaphelenchinae** Ruehm, 1956 (1 genus, 20 species)
- Tribe **Parasitaphelenchini** Ruehm, 1956 *
- Subtribe **Parasitaphelenchinii** Ruehm, 1956 *
- Genus *Parasitaphelenchus* Fuchs, 1929 (20 species)
- Species *costati* Kanzaki, Ekino, Ide, Masuya & Degawa, 2018
- Species *frontalis* Kanzaki, Ekino, Ide, Masuya & Degawa, 2018
- Subfamily **Bursaphelenchinae** Paramonov, 1964 (4 genera, 197 species)
- Tribe **Bursaphelenchini** Paramonov, 1964 *
- Subtribe **Bursaphelenchinii** Paramonov, 1964 *
- Genus *Bursaphelenchus* Fuchs, 1937 (174 species)
- Species *andrassyi* Dayi, Calin, Akbulut, Gu, Schroder, Vieira & Braasch, 2014
- Species *carpini* Kanzaki, Masuya, Ichihara, Maehara, Aikawa, Ekino & Ide, 2019
- Species *cryphali* (Fuchs, 1930) Meyl, 1960
- Subspecies *okhotskensis* Kanzaki, Masuya, Ichihara, Maehara, Aikawa, Ekino & Ide, 2019
- Species *decreaemerae* Wang, Gu, Maria, Fang & Li, 2018
- Species *fagi* Tomalak & Filipiak, 2014
- Species *firmae* Kanzaki, Maehara, Aikawa & Matsumoto, 2012
- Species *geraerti* Wang, Maria, Gu, Fang, Wang & Li, 2018
- Species *gillanii* Schoenfeld, Braasch, Riedel & Gu, 2014
- Species *hirsutae* Kanzaki, Ekino, Ide, Masuya & Degawa, 2018
- Species *irokophilus* Torrini, Strangi, Mazza, Marianelli, Roversi & Kanzaki, 2019 ⁵²⁹
- Species *kesiyae* Kanzaki, Aikawa, Maehara & Pham, 2016
- Species *kiyoharai* Kanzaki, Maehara, Aikawa, Masuya & Giblin-Davis, 2011
- Species *koreanus* Gu, Wang & Chen, 2013

529 Described from material intercepted in Italy but originally from Cameroon.

- Species *laciniatae* Kanzaki, Masuya, Ichihara, Maehara, Aikawa, Ekino & Ide, 2019
 Species *manipurensis* Chanu & Meitei, 2014
 Species *michaelseni* Tomalak & Filipiak, 2019
 Species *moensi* Wang, Maria, Gu, Fang, Wang & Li, 2018
 Species *mucronatus* Mamiya & Enda, 1979
 Subspecies *kolymensis* (Braasch, Gu & Burgermeister, 2011)
 Species *niphades* Tanaka, Tanaka, Akiba, Aikawa, Maehara, Takeuchi & Kanzaki, 2014
 Species *osumiana* Kanzaki, Akiba, Kanetani, Tetsuka & Ikegame, 2014
 Species *paraburgeri* Wang & Gu, 2012
 Species *paraluxuriosae* Gu, Wang, Braasch, Burgermeister & Schroeder, 2012
 Species *penai* Kanzaki, Giblin-Davis, Carillo, Duncan & Gonzalez, 2014
 Species *parantoniae* Munawar, Fang, He, Gu & Li, 2015
 Species *piceae* Tomalak & Pomorski, 2015
 Species *populi* Tomalak & Filipiak, 2010
 Species *posteroovulvus* Gu, Wang, He, Wang, Chen & Wang, 2014
 Species *pterocarp* Gu, Fang, Liu, Pedram & Li, 2019⁵³⁰
 Species *rockyi* Wang, Fang, Maria, Gu & Ge, 2019⁵³¹
 Species *saudi* Gu, Maria, Fang, He, Braasch & Li, 2016
 Species *sakishimanus* Kanzaki, Okabe & Kobori, 2015
 Species *similis* Poinar, 2011⁵³²
 Species *sycophilus* Kanzaki, Tanaka, Giblin-Davis & Davies, 2014
 Species *tadamiensis* Kanzaki, Taki, Masuya & Okabe, 2012
 Species *taphorychi* Tomalak, Malewski, Gu & Fa-Qiang, 2017
 Species *tiliae* Tomalak & Malewski, 2014
 Species *trypophloe* Tomalak & Filipiak, 2011
 Species *ulmophilus* Ryss, Polyamina, Popovichev & Subbotin, 2015
 Species *yuyaoensis* Gu, He, Wang & Chen, 2014
 Genus *Chalcidonema* Poinar, 2011 (1 species)⁵³³
 Species *paradoxa* Poinar, 2011
 Genus *Devibursaphelenchus* Kakulia, 1967 (8 species)
 Species *wangi* Gu, Wang & Zheng, 2010
 Species *kheirii* Aliramaji, Pourjam, Atighi, Karegar & Pedram, 2014
 Genus *Ruehmaphelenchus* Goodey, 1963 (14 species)⁵³⁴
 Species *digitulis* Gu & Wang, 2012
 Species *formosanus* Kanzaki, Masuya, Taki, Okabe & Chen, 2013
 Species *juliae* Kanzaki Giblin-Davis, Gonzalez, Duncan & Carrillo, 2015
 Species *quercophilus* Maria, Gu, Tomalak, Fang & Li, 2017
 Species *siris* Bajaj, 2012
 Species *thailandae* Gu & Wang, 2010
 Family **Seinuridae** Husain & Khan, 1967 (Baranovskaya, 1981) (1 subfamily, 4 genera, 60 species)⁵³⁵
 Subfamily **Seinurinae** Husain & Khan, 1967 (4 genera, 60 species)
 Tribe **Seinurini** Husain & Khan, 1967 *
 Subtribe **Seinurinii** Husain & Khan, 1967 *
 Genus *Aprutides* Scognamiglio, Talame & s'Jacob, 1970 (2 species)

530 Described from material intercepted in China but originally from Ghana.

531 Described from material intercepted in China but originally from Russia.

532 Fossil, Dominican amber associated with platypodid beetle.

533 Fossil, Tertiary, Dominican amber.

534 Hunt (1993, 2007a, b) placed *Ruehmaphelenchus* in Aphelenchoididae on morphological grounds, but molecular evidence clearly places the genus with, or even within, the genus *Bursaphelenchus* (Kanzaki *et al.* 2009, 2014).

535 Created as a subfamily by Husain & Khan (1967).

Genus *Papuaphelenchus* Andrassy, 1973 (1 species)

Genus *Paraseinura* Timm, 1961 (1 species)

Genus *Seinura* Fuchs, 1931 (56 species)

Species *caverna* Kanzaki, Ekino & Masuya, 2019

Species *hyrcania* Adeldoost, Heydari, Miraiezh, Jalalinasab & Ashgari, 2016

Species *onondagensis* Kaisa, 2000

Species *persica* Adeldoost, Heydari, Miraiezh, Jalalinasab & Ashgari, 2016

Family **Tylaphelenchidae** Kanzaki, Li, Lan & Giblin-Davis, 2014 * (1 subfamily, 3 genera, 22 species)

Subfamily **Tylaphelenchinae** Kanzaki, Li, Lan & Giblin-Davis, 2014 (3 genera, 22 species)

Tribe **Tylaphelenchini** Kanzaki, Li, Lan & Giblin-Davis, 2014 *

Subtribe **Tylaphelenchinii** Kanzaki, Li, Lan & Giblin-Davis, 2014 *

Genus *Basilaphelenchus* Pedram, Kanzaki, Giblin-Davis & Pourjam, 2018 (3 species)

Species *brevicaudatus* Fouladvand Pourjam Kanzaki, Giblin-Davis & Pedram, 2019

Species *gorganensis* Fouladvand, Pourjam, Kanzaki, Giblin-Davis & Pedram, 2019

Species *persicus* Pedram, Kanzaki, Giblin-Davis & Pourjam, 2018

Genus *Pseudaphelenchus* Kanzaki, Giblin-Davis, Scheffrahn, Center & Davies, 2009 (12 species)

Species *jiaae* (Huang, Ye, Liang, Lu & Zhang, 2011) Fang, Li, Maria & Bert, 2016
syn *Tylaphelenchus jiaae* Huang, Ye, Liang, Lu & Zhang, 2011 (Fang, Li, Maria & Bert, 2016)

Species *scheffrahni* Kanzaki, Li, Lan & Giblin-Davis, 2014

Species *sui* Kanzaki, Li, Lan & Giblin-Davis, 2014

Species *vindai* Kanzaki & Giblin-Davis in Kanzaki, Giblin-Davis, Herre, Scheffrahn

&

Center, 2010

Species *yukiae* Kanzaki, Giblin-Davis, Scheffrahn, Center & Davies, 2009

Species *zhoushanensis* Fang, Li, Maria & Bert, 2016

Genus *Tylaphelenchus* Ruehm, 1956 (7 species)

Superfamily **Paraphelenchoidea** Goodey, 1951 (Hodda, 2007) (1 family, 1 subfamily, 1 genus, 24 species)

Family **Paraphelenchidae** Goodey, 1951 (Goodey, 1960) (1 subfamily, 1 genus, 24 species)^{536 537}

Subfamily **Paraphelenchinae** Goodey, 1951 (1 genus, 24 species)

Tribe **Paraphelenchini** Goodey, 1951 *

Subtribe **Paraphelenchinii** Goodey, 1951 *

Genus *Paraphelenchus* Micoletzky, 1922 (24 species)

Suborder **Tylenchina** Chitwood, 1950 (4 superfamilies, 26 families, 63 subfamilies, 236 genera, 3453 species)

536 Created as a subfamily by T Goodey (1951).

537 Paraphelenchidae are different from Aphelenchidae in many of the same features used to separate Aphelenchoididae from Aphelenchidae. Hence the differences may reflect a deep divergence. Paraphelenchidae share a number of features with Tylenchidae, such as an oesophageal isthmus with nerve ring around it, oesophageal glands enclosed in a bulb, vulva a transverse slit, and cephalated spicules. Paraphelenchidae differ from Tylenchidae in the major characters: location of oesophageal gland orifices, development of median oesophageal bulb, formation of stylet, genital papillae and the presence of a bursa, plus others. Thus Paraphelenchidae differ from Aphelenchidae in similar features as those differentiating other superfamilies within Tylenchina. Hence Paraphelenchoidea may represent a unique line of evolution within Tylenchina, and it is afforded superfamily status, even though some molecular data show Paraphelenchidae form a clade with Aphelenchidae (Van Megen *et al.* 2009).

Superfamily **Anguinoidea** Nicoll, 1935 * (2 families, 3 subfamilies, 19 genera, 218 species)^{538 539}

Family **Anguinidae** Nicoll, 1935 (2 subfamilies, 17 genera, 188 species)

Subfamily **Anguininae** Nicoll, 1935 (Nicoll, 1926) (16 genera, 185 species)⁵⁴⁰

Tribe **Anguinini** Nicoll, 1935 *

Subtribe **Anguininii** Nicoll, 1935 *

Genus *Anguina* Scopoli, 1777 (13 species)

Species *obesa* Mobasser, Pedram, Pourjam & Bertozzi, 2017

Genus *Chitinotylenchus* Micoletzky, 1922 (5 species)⁵⁴¹

Genus *Diptenchenus* Khan, Chawla & Seshadri, 1969 (1 species)

Genus *Ditylenchus* Filipjev, 1936 (89 species)⁵⁴²

Species *arachis* Zhang, Liu, Janssen, Zhang, Xiao, Li, Couvreur & Bert, 2014

Species *gilanicus* Yaghoubi, Pourjam, Ye, Castillo & Pedram, 2018

Species *laurae* Skwiercz, Kornobis, Winiszewska, Przybylska, Obrepalska-Stepłowska, Gawlak & Subbotin, 2017

Species *oncogenus* Vovlas, Troccoli, Palomares-Rius, Luca, Cantalapiedra-Navarrete, Liebanas, Landa, Subbotin & Castillo, 2016

Species *paraparvus* Hashemi & Karegar, 2019

Species *persicus* Esmaili, Heydari, Castillo & Palomares-Rius, 2017

Species *sarvarae* Shokoohi, Iranpour, Peneva, Elshiska, Fourie & Swart, 2018

Species *stenurus* Esmaeili, Heydari, Ziaie & Ye, 2017

Species *sturhani* Karani, Eskandari, Ghaderi, Heydari & Miraez, 2017

Genus *Indoditylenchus* Sinha, Choudhury & Baqri, 1985 (1 species)

Genus *Litylenchus* Zhao, Davies, Alexander & Riley, 2011 (2 species)

Species *coprosmae* Zhao, Davies, Alexander & Riley, 2011

Species *crenatae* Kanzaki, Ichihawa, Aikawa, Ekino & Masuya, 2019

Genus *Nothanguina* Whitehead, 1959 (1 species)

Genus *Nothotylenchoides* Handoo, 1980 (1 species)

Genus *Nothotylenchus* Thorne, 1941 (55 species)

Species *andrassyi* Jalalinasab, Hosseini & Heydari, 2018

538 Whether the Anguinoidea have closer affinities to Tylenchoidea or Sphaerulariidea has been discussed for some time based on morphological and life history evidence (Siddiqi 1986, 2000). Molecular evidence does not resolve the issue unequivocally (Meldal *et al.* 2007, Holterman *et al.* 2006, Van Megen *et al.* 2009). A polytomy is assumed here.

539 Originally constituted as Family Anguillulidae by Baylis & Daubney (1926), with the type genus *Anguillulina* Gervais & Van Beneden 1859, which was regarded as a senior synonym of the genus *Tylenchus* Bastian 1865. Chitwood (1935) re-established *Anguina* Scopoli 1777 and designated *Vibrio tritici* Steinbuch 1799 as type species by subsequent designation (syn *Rhabditis tritici* (Steinbuch 1799) Dujardin 1845, *Anguillula tritici* (Steinbuch 1799) Grube 1849, *Anguillulina tritici* (Steinbuch 1799) Gervais & Van Beneden 1859, *Tylenchus tritici* (Steinbuch 1799) Bastian 1865). The genus *Vibrio* refers to bacteria and Protozoa. The genus *Rhabditis* refers to a different genus. Thus, the oldest name is *Anguillulina tritici* (Steinbuch 1799) Gervais & Van Beneden 1859. This, however, was rejected as invalid by ICZN in rulings 329 & 341 (1958). After Chitwood's (1935) publication, Nicoll (in Zoological Record) proposed the replacement names Anguinidae and Anguinoidea, to replace the names Anguillulidae and Anguillulinoidea (and, coincidentally Tylenchidae as well).

Paramonov (1962) proposed Anguininae, which was raised to Family rank by Siddiqi (1971).

540 This date (1926) refers to the date of the name rejected by ICZN (Anguillulidae Baylis & Daubney 1926) because it is based on a junior objective synonym (*Anguillulina* Gervais & Van Beneden 1859) for the genus *Anguina* Scopoli 1799.

541 Proposed as a subgenus, first proposed as genus by Filipjev (1936).

542 The genus *Ditylenchus* was divided into 2 groups (the *D. triformis*-group, and the *D. dipsaci*-group based on morphological and biological characters (Siddiqi 1980), as well as molecular evidence (Qiao *et al.* 2016). The former was putatively synonymous with *Safianema* (Qiao *et al.* 2016), although no new evidence was presented, and the other source of supposed molecular evidence (Giblin Davis *et al.* 2010), also having no evidence for the synonymization. *Safianema* differs morphologically from the *D. triformis* group in having a long oesophageal gland lobe overlapping the intestine dorsally, which is normally regarded as a generic difference, so the two genera are not synonymized here. In the absence of any molecular evidence, no particular grouping of the 2 genera is proposed. More recently described species formed a third molecular group (Shokoohi *et al.* 2018)

The evolutionary affinities of the genus conflict among different analyses and gene regions (Qiao *et al.* 2016).

- Species *persicus* Esmaeli, Heydari, Castillo & Palomares-Rius, 2016
 Species *phoenixae* Esmaeili, Heydari & Ye, 2017
 Genus *Orrina* Brzeski, 1981 (1 species)
 Genus *Palaeoanguina* Poinar, 2011 (1 species)⁵⁴³
 Species *dominicana* Poinar, 2011
 Genus *Pseudhalenchus* Tarjan, 1958 (6 species)
 Genus *Pterotylenchus* Siddiqi & Lenne, 1984 (1 species)
 Genus *Safianema* Siddiqi, 1980 (6 species)
 Genus *Subanguina* Paramonov, 1967 (1 species)
 syn *Afrina* Brzeski, 1981 (Siddiqi, 2000)
 Species *sporobolae* (Barrantes-Infanta, Schroeder, Subbotin & Murray, 2018) n. comb.
 syn *Afrina sporobolae* Barrantes-Infanta, Schroeder, Subbotin & Murray, 2018
 Genus *Zeatylenchus* Zhao, Davies, Alexander & Riley, 2013 (1 species)
 Species *pittosporum* Zhao, Davies, Alexander & Riley, 2013
 Subfamily **Halenchinae** Jairajpuri & Siddiqi, 1969 (1 genus, 3 species)
 Tribe **Halenchini** Jairajpuri & Siddiqi, 1969 *
 Subtribe **Halenchinii** Jairajpuri & Siddiqi, 1969 *
 Genus *Halenchus* N. Cobb in M. Cobb, 1933 (3 species)
 Family **Sychnotylenchidae** Paramonov, 1967 (Golden, 1971) (1 subfamily, 2 genera, 30 species)⁵⁴⁴
 Subfamily **Sychnotylenchinae** Paramonov, 1967 (2 genera, 30 species)
 Tribe **Sychnotylenchini** Paramonov, 1967 *
 Subtribe **Sychnotylenchinii** Paramonov, 1967 *
 Genus *Neoditylenchus* Meyl, 1961 (24 species)
 Genus *Sychnotylenchus* Ruehm, 1956 (6 species)
 Superfamily **Criconematoidea** Taylor, 1936 (Geraert, 1966) (5 families, 10 subfamilies, 32 genera, 764 species)
 Family **Criconematidae** Taylor, 1936 (Thorne, 1949) (5 subfamilies, 17 genera, 517 species)⁵⁴⁵
 Subfamily **Blandicephalanematidae** Geraert, 2010 (2 genera, 6 species)
 Tribe **Blandicephalanematini** Geraert, 2010 *
 Subtribe **Blandicephalanematinii** Geraert, 2010 *
 Genus *Amphisbaenema* Orton-Williams, 1982 (1 species)
 Genus *Blandicephalanema* Mehta & Raski, 1971 (5 species)
 Subfamily **Criconematinae** Taylor, 1936 (7 genera, 278 species)
 Tribe **Criconematini** Taylor, 1936 *
 Subtribe **Criconematinii** Taylor, 1936 *
 Genus *Criconema* Hofmaenner & Menzel, 1914 (106 species)
 Subgenus *Criconema* Hofmaenner & Menzel, 1914 (64 species)
 Subgenus *Nothocriconemella* Ebsary, 1981 (35 species)
 Species *minutellum* Rathour & Ganguly, 2015
 Subgenus *Notholetus* Ebsary, 1981 (7 species)
 Genus *Croserinema* Khan, Chawla & Saha, 1976 (3 species)
 Genus *Crossonema* Mehta & Raski, 1971 (36 species)
 Genus *Lobocriconema* De-Grisse & Loof, 1965 (23 species)
 Species *iranense* (Van-Den-Berg, Eskandari, Tiedt & Karegar, 2010) Afshar, Pourjam & Pedram, 2019
 syn *Neolobocriconema iranense* Van-Den-Berg, Eskandari, Tiedt & Karegar, 2010
 Species *nokandense* Afshar, Pourjam & Pedram, 2019
 Genus *Neolobocriconema* Mehta & Raski, 1971 (13 species)

543 Fossil, Dominican amber.

544 Originally created as a subfamily by Paramonov (1967).

545 Classification of Criconematidae follows Geraert (2010).

- Species *serratum* (Khan & Siddiqi, 1963) Mehta & Raski, 1971
 syn *allantoideum* Eroshenko, 1980 (Afshar, Pourjam & Pedram, 2019)
- Genus *Ogma* Southern, 1914 (94 species)
- Subgenus *Macrocriconema* Minagawa, 1986 (1 species)
- Subgenus *Ogma* Southern, 1914 (71 species)
- Subgenus *Pateracephalanema* Mehta & Raski, 1971 (10 species)
- Subgenus *Seriespinula* Mehta & Raski, 1971 (12 species)
- Genus *Orphreyus* Siddiqi, 2000 (3 species)
- Subfamily **Discocriconematinae** Geraert, 2010 (2 genera, 33 species)
- Tribe **Discocriconematini** Geraert, 2010 *
- Subtribe **Discocriconematinii** Geraert, 2010 *
- Genus *Discocriconemella* De-Grisse & Loof, 1965 (31 species)
- Species *sinensis* Maria, Cai, Subbotin & Zheng, 2019
- Genus *Xenocriconemella* De-Grisse & Loof, 1965 (2 species)
- Subfamily **Hemicriconemoidinae** Andrassy, 1979 (1 genus, 56 species)
- Tribe **Hemicriconemoidini** Andrassy, 1979 *
- Subtribe **Hemicriconemoidinii** Andrassy, 1979 *
- Genus *Hemicriconemoides* Chitwood & Birchfield, 1957 (56 species)⁵⁴⁶
- Species *paracamelliae* Maria, Cai, Castillo & Zheng, 2019
- Species *phoenicis* Van-Den-Berg, Tiedt, Inserra, Stanley, Vovlas, Palomares-Rius, Castillo & Subbotin, 2015
- Subfamily **Macroposthoniinae** Skarbilovich, 1959 (5 genera, 144 species)
- Tribe **Macroposthoniini** Skarbilovich, 1959 *
- Subtribe **Macroposthoniinii** Skarbilovich, 1959 *
- Genus *Bakernema* Wu, 1964 (2 species)
- Genus *Criconemoides* Taylor, 1936 (45 species)
- Subgenus *Criconemella* De-Grisse & Loof, 1965 (9 species)
- Subgenus *Criconemoides* Taylor, 1936 (36 species)
- Genus *Mesocriconema* Andrassy, 1965 (88 species)
- Species *ericaceum* Powers, Mullin, Higgins, Harris & Powers, 2016
- Species *nebraskense* Olson, Harris, Higgins, Mullin, Powers, Olson & Powers, 2017
- Species *ozarkense* Cordero, Robbins & Szalanski, 2012
- Genus *Neobakernema* Ebsary, 1981 (7 species)
- Genus *Nothocriconemoides* Maas, Loof & De-Grisse, 1971 (2 species)
- Family **Hemicycliophoridae** Skarbilovich, 1959 (Geraert, 1966) (1 subfamily, 5 genera, 35 species)⁵⁴⁷
- Subfamily **Hemicycliophorinae** Skarbilovich, 1959 * (5 genera, 35 species)
- Tribe **Caloosiini** Siddiqi, 1980 * (2 genera)⁵⁴⁸
- Subtribe **Caloosinii** Siddiqi, 1980 *
- Genus *Caloosia* Siddiqi & Goodey, 1963 (11 species)
- Genus *Hemicaloosia* Ray & Das, 1978 (7 species)
- Species *guangzhouensis* Wang, Li, Xie, Wu & Xu, 2016
- Tribe **Hemicycliophorini** Skarbilovich, 1959 * (3 genera)
- Subtribe **Hemicycliophorinii** Skarbilovich, 1959 *
- Genus *Aulosphora* Siddiqi, 1980 (11 species)
- Genus *Colbranium* Andrassy, 1979 (1 species)
- Genus *Hemicycliophora* De-Man, 1921 (5 species)⁵⁴⁹
- syn *Loofia* Siddiqi, 1980 (Subbotin, Chitambar, Chizhov, Stanley, Inserra, Doucet, McClure,

546 Following review of Van den Berg *et al.* (2014).

547 Created as a superfamily by Skarbilovich (1959), and as a superfamily by Siddiqi (2000).

548 Originally created as a family and subfamily by Siddiqi (1980).

549 Following Subbotin *et al.* (2014), and including 6 species characterised but not formally named designated “sp.10”, “sp.12”, “sp.15”, “sp.16”, “sp.17” and “sp.18” (van den Berg *et al.* 2018).

- Ye, Yeates, Molloy, Cantalapiedra-Navarrete, Vovlas, Van-Den-Berg & Castillo, 2014 (7 species)
- Species *onubensis* Van-Den-Berg, Tiedt, Liebanas, Chitambar, Stanley, Inserra, Castillo & Subbotin, 2018
- Species *parvana* Tarjan, 1952
- syn *wyei* Cordero, Marco, Robbins & Szalanski, 2013 (Van-Den-Berg, Tiedt, Liebanas, Chitambar, Stanley, Inserra, Castillo & Subbotin, 2018)
- Species *porangi* Monteiro & Lordello, 1978
- syn *ripa* Van-Den-Berg, 1981 (Van-Den-Berg, Tiedt, Liebanas, Chitambar, Stanley, Inserra, Castillo & Subbotin, 2018)
- Species *robbinsi* Van-Den-Berg, Tiedt, Liebanas, Chitambar, Stanley, Inserra, Castillo & Subbotin, 2018
- Species *subbotini* Maria, Cai, Qu, Castillo & Zheng, 2018
- Family **Paratylenchidae** Thorne, 1949 (Raski, 1962) (1 subfamily, 3 genera, 181 species)
- Subfamily **Paratylenchinae** Thorne, 1949 (3 genera, 181 species)
- Tribe **Paratylenchini** Thorne, 1949 *
- Subtribe **Paratylenchinii** Thorne, 1949 *
- Genus *Cacopaurus* Thorne, 1943 (1 species)
- Genus *Paratylenchus* Micoletzky, 1922 (179 species)
- Subgenus *Gracilacus* Raski, 1962 (46 species)
- Species *paralatescens* Maria, Cai, Ye, Powers & Zheng, 2018
- Species *wuae* Yu, Ye & Powers, 2016
- Subgenus *Paratylenchus* Micoletzky, 1922 (124 species)⁵⁵⁰
- Species *chongqingensis* Li, Wang, Xie & Xu, 2019
- Species *guangzhouensis* Wang, Li, Xie, Xu & Wu, 2016
- Species *jasmineae* Phani, Somvanshi, Rao & Khan, 2019
- Species *karachiensis* Begum & Shaheen, 2016
- Species *manilkarii* Erum, Nasir, Nasira & Shahina, 2019
- Species *nanjingensis* Wang, Xie, Li, Wu & Xu, 2016
- Species *sindhicus* Erum, Nasir, Nasira & Shahina, 2019
- Genus *Tylenchocriconema* Raski & Siddiqi, 1975 (1 species)
- Family **Sphaeronematidae** Raski & Sher, 1952 (Geraert, 1966) (2 subfamilies, 4 genera, 14 species)
- Subfamily **Meloidoderitinae** Kirjanova & Poghossian, 1973 (1 genus, 5 species)
- Tribe **Meloidoderitini** Kirjanova & Poghossian, 1973 *
- Subtribe **Meloidoderitini** Kirjanova & Poghossian, 1973 *
- Genus *Meloidoderita* Pogosian, 1966 (5 species)
- Species *whittoni* (Sledge & Christie, 1962) Troccoli, Subbotin, Stanley, Alford, Vovlas & Inserra, 2017
- syn *Sphaeronema whittoni* Sledge & Christie, 1962 (Troccoli, Subbotin, Stanley, Alford, Vovlas & Inserra, 2017)
- syn *Tumiota whittoni* (Sledge & Christie, 1962) Siddiqi, 1986
- Subfamily **Sphaeronematinae** Raski & Sher, 1952 (3 genera, 9 species)
- Tribe **Sphaeronematini** Raski & Sher, 1952 *
- Subtribe **Sphaeronematini** Raski & Sher, 1952 *
- Genus *Goodeyella* Siddiqi, 1986 (1 species)
- Genus *Sphaeronema* Raski & Sher, 1952 (7 species)
- Genus *Tumiota* Siddiqi, 1986 (1 species)
- Family **Tylenchulidae** Skarbilovich, 1947 (Kirjanova, 1955) (1 subfamily, 3 genera, 17 species)⁵⁵¹
- Subfamily **Tylenchulidae** Skarbilovich, 1947 (3 genera, 17 species)
- Tribe **Tylenchulini** Skarbilovich, 1947 *

550 Following review of Ghaderi *et al.* (2014).

551 Created as a subfamily by Skarbilovich (1947).

- Subtribe **Tylenchulini** Skarbilovich, 1947 *
- Genus *Boomerangia* Siddiqi, 1994 (2 species)
- Genus *Trophotylenchulus* Raski, 1957 (11 species)
- Genus *Tylenchulus* Cobb, 1913 (4 species)
- Superfamily **Sphaerularioidea** Lubbock, 1861 (Poinar, 1975) (5 families, 14 subfamilies, 58 genera, 431 species)
- Family **Allantonematidae** Pereira, 1931 (Chitwood & Chitwood, 1937) (2 subfamilies, 20 genera, 162 species)
- Subfamily **Allantonematinae** Pereira, 1931 (15 genera, 134 species)
- Genus *Allantonema* Leuckhart, 1884 (10 species)
- Genus *Anandranema* Poinar, Ferro, Morales & Tesh, 1993 (1 species)
- Genus *Bradynema* zur Strassen, 1892 (8 species)
- Genus *Howardula* Cobb, 1921 (25 species)⁵⁵²
- Genus *Metaparasitylenchus* Wachek, 1955 (13 species)
- Genus *Neoparasitylenchus* Nickle, 1967 (27 species)
- Genus *Palaeoallantonema* Poinar, 2011 (11 species)⁵⁵³
- Species *apionae* Poinar, 2011
- Species *baltica* Poinar, 2011
- Species *cephalotae* Poinar, 2011
- Species *dominicana* Poinar, 2011
- Species *phlebotomae* Poinar, 2011
- Species *zygopinae* Poinar, 2011
- Genus *Palaeoparasitylenchus* Poinar, 2011 (1 species)⁵⁵⁴
- Species *dominicanus* Poinar, 2011
- Genus *Parasitylenchoides* Wachek, 1955 (8 species)
- Genus *Pratinema* Chizhov & Sturhan, 1998 (1 species)
- Genus *Proparasitylenchus* Wachek, 1955 (8 species)
- Species *californicus* Poinar, Datlen, Espinoza & McLaughlin, 2015
- Genus *Protitylenchus* Wachek, 1955 (2 species)
- Genus *Scatonema* Bovien, 1933 (1 species)
- Genus *Sulphuretylenchus* Ruehm, 1956 (13 species)
- Genus *Thripinema* Siddiqi, 1986 (5 species)
- Subfamily **Contortylenchinae** Ruehm, 1956 (5 genera, 28 species)
- Tribe **Contortylenchini** Ruehm, 1956 *
- Subtribe **Contortylenchinii** Ruehm, 1956 *
- Genus *Aphelenchulus* Cobb, 1920 (1 species)
- Genus *Bovienema* Nickle, 1963 (5 species)
- Genus *Contortylenchus* Ruehm, 1956 (20 species)
- Genus *Elaeolenchus* Poinar, Jackson, Bell & Wahid, 2002 (1 species)
- Genus *Formicitylenchus* Poinar, 2003 (1 species)
- Family **Iotonchiidae** Goodey, 1953 (Skarbilovich, 1959) (1 subfamily, 5 genera, 21 species)
- Subfamily **Iotonchiidae** Goodey, 1953 (5 genera, 21 species)
- Tribe **Iotonchiini** Goodey, 1953 *
- Subtribe **Iotonchiinii** Goodey, 1953 *
- Genus *Fungiotonchium* Siddiqi, 1986 (4 species)
- Genus *Iotonchium* Cobb, 1916 (8 species)
- Genus *Paleoiotonchium* Poinar, 2011 (1 species)⁵⁵⁵
- Species *dominicanum* Poinar, 2011

552 Including 1 fossil species found in Baltic amber.

553 Fossil, Baltic and Dominican amber.

554 Fossil, Dominican amber.

555 Fossil, Dominican amber.

- Genus *Paraiotonchium* Slobodyanyuc, 1975 (6 species)
- Genus *Skarbilovinema* Chizhov & Zakharenkova, 1991 (2 species)
- Family **Neotylenchidae** Thorne, 1949 (5 subfamilies, 17 genera, 162 species)
- Subfamily **Fergusobiinae** Thorne, 1949 (Goodey, 1963) (2 genera, 50 species)⁵⁵⁶
- Tribe **Fergusobiini** Thorne, 1949 *
- Subtribe **Fergusobiinii** Thorne, 1949 *
- Genus *Delatylys* Yu, Munawar, Gu & Ye, 2018 (1 species)
- Species *andersoni* Yu, Munawar, Gu & Ye, 2018
- Genus *Fergusobia* Currie, 1937 (49 species)
- Species *armillarissae* Davies, Giblin-Davis, Ye, Taylor, Makinson & Purcell, 2014
- Species *camaldulensae* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2012a
- Species *colbrani* Davies, Taylor, Nelson, Yeates & Giblin-Davis, 2014
- Species *cosmophyllae* Davies, Giblin-Davis, Ye, Lisnawita, Taylor & Thomas, 2013
- Species *decorae* Davies, Giblin-Davis, Ye, Taylor, Makinson & Purcell, 2014
- Species *delegatensae* Davies, Giblin-Davis, Ye, Lisnawita, Taylor & Thomas, 2013
- Species *diversifoliae* Davies, Giblin-Davis, Ye, Lisnawita, Taylor & Thomas, 2013
- Species *eugenioidae* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2012b
- Species *fasciculosae* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2012b
- Species *floribundae* Davies, Giblin-Davis, Ye, Lisnawita, Taylor & Thomas, 2013
- Species *gomphocephalae* Davies in Davies, Bartholomaeus, Giblin-Davis, Ye, Taylor & Thomas, 2014
- Species *janetae* Davies, Ye, Taylor, Scheffer, Bartholomaeus & Giblin-Davis, 2018
- Species *juliae* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2012b
- Species *leucoxyloae* Davies in Davies, Bartholomaeus, Giblin-Davis, Ye, Taylor & Thomas, 2014
- Species *leptospermum* Davies, Taylor, Ye, Makinson & Adair, 2018
- Species *linariifoliae* Davies, Giblin-Davis, Ye, Taylor, Makinson & Purcell, 2014
- Species *microcarpae* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2013
- Species *minus* Davies, Giblin-Davis, Ye, Lisnawita, Taylor & Thomas, 2013
- Species *morrisae* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2012b
- Species *obliquae* Davies, Ye, Taylor, Scheffer, Bartholomaeus & Giblin-Davis, 2018
- Species *pauciflorae* Davies, Ye, Taylor, Scheffer, Bartholomaeus & Giblin-Davis, 2018
- Species *pimpamensis* Davies, Giblin-Davis, Ye, Lisnawita, Taylor & Thomas, 2013
- Species *planchoniana* Davies, Ye, Giblin-Davis, Taylor, Hodda & Thomas, 2014
- Species *porosae* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2013
- Species *pruinosa* Davies, Ye, Taylor, Scheffer, Bartholomaeus & Giblin-Davis, 2018
- Species *rileyi* Davies, Giblin-Davis, Ye, Taylor & Thomas, 2012a
- Species *robustae* Davies, Ye, Taylor, Scheffer, Bartholomaeus & Giblin-Davis, 2018
- Species *rosettae* Davies, Ye, Giblin-Davis, Taylor, Purcell & Thomas, 2014
- Species *schmidti* Davies & Bartholomaeus in Davies, Bartholomaeus, Giblin-Davis, Ye, Taylor & Thomas, 2014
- Species *sporangae* Davies in Davies, Bartholomaeus, Giblin-Davis, Ye, Taylor & Thomas, 2014
- Species *tolgaensis* Davies, Ye, Giblin-Davis, Taylor, Purcell & Thomas, 2014
- Species *viminalisae* Davies, Ye, Giblin-Davis, Taylor, Hodda & Thomas, 2014
- Subfamily **Gymnotylenchinae** Siddiqi, 1980 (1 genus, 3 species)⁵⁵⁷
- Tribe **Gymnotylenchini** Siddiqi, 1980 *
- Subtribe **Gymnotylenchinii** Siddiqi, 1980 *

556 Also as family Siddiqi & Goodey (1964).

557 Also family Siddiqi (1980).

- Genus *Gymnotylenchus* Siddiqi, 1961 (3 species)
- Subfamily **Neotylenchinae** Thorne, 1941 (5 genera, 65 species)
- Tribe **Neotylenchini** Thorne, 1941 *
- Subtribe **Neotylenchinii** Thorne, 1941 *
- Genus *Coprotylenchus* Akopova, 1997 (1 species)⁵⁵⁸
- Genus *Deladenus* Thorne, 1941 (40 species)
- Species *albizicus* Tomar, Somvanshi & Bajaj, 2015
- Species *beddingi* Morris, Stock, Castrillo, Williams & Hajek, 2018
- Species *cocophilus* Nasira & Firoza, 2013
- Species *nitobei* Kanzaki, Tanaka, Fitz, Kosaka, Slippers, Kimura, Tsuchiya & Tabata, 2016
- Species *persicus* Miraez, Heydari & Golhasan, 2017
- Species *posteroporus* Yu, Gu, Ye, Li & He, 2017⁵⁵⁹
- Species *processus* Tomar, Somvanshi & Bajaj, 2015
- Species *valveus* Yu, Popovic & Gu, 2014
- Genus *Ficotylus* Davies, Giblin-Davis & Thomas, 2009 (2 species)
- Species *laselvae* Giblin-Davis, Kanzaki, Davies, Ye, Zeng, Center, Esquivel & Powers, 2014
- Genus *Hadrodenus* Mulvey, 1969 (2 species)
- Genus *Hexatylyus* Goodey, 1926 (20 species)
- Subfamily **Paurodontinae** Thorne, 1941 (8 genera, 41 species)⁵⁶⁰
- Tribe **Paurodontini** Thorne, 1941 *
- Subtribe **Paurodontinii** Thorne, 1941 *
- Genus *Abursanema* Yaghoubi, Pourjam, Pedram, Siddiqi & Atighi, 2014 (4 species)
- Species *iranicum* Yaghoubi, Pourjam, Pedram, Siddiqi & Atighi, 2014
- Species *quadrilineatum* Qing, Slos, Claeyss & Bert, 2017
- Genus *Bealius* Massey & Hinds, 1970 (4 species)
- Species *pinus* Esmaeili, Heydari, Golhasan & Ye, 2019
- Genus *Luella* Massey, 1974 (1 species)
- Genus *Misticus* Massey, 1967 (1 species)
- Genus *Neomisticus* Siddiqi, 1986 (1 species)
- Genus *Paurodontella* Husain & Khan, 1968 (18 species)
- Species *composticola* Esmaeili, Heydari, Kheiri & Ye, 2019
- Species *persica* Esmaili, Heydari & Ye, 2017
- Species *gilanica* Yaghoubi, Pourjam & Pedram, 2018
- Species *iranica* Golhasan, Heydari & Miraeiz, 2016
- Species *parapitica* Esmaeili, Heydari & Ye, 2016
- Genus *Paurodontoides* Jairajpuri & Siddiqi, 1969 (2 species)
- Genus *Paurodontus* Thorne, 1941 (10 species)
- Subfamily **Rubzovinematinae** Slobodyanyuk, 1999 (1 genus, 3 species)
- Tribe **Rubzovinematini** Slobodyanyuk, 1999 *
- Subtribe **Rubzovinematinii** Slobodyanyuk, 1999 *
- Genus *Rubzovinema* Slobodyanyuk, 1991 (3 species)
- Species “Sp. 1” Koshel, Eroshenko & Kutyrev, 2018
- Family **Parasitylenchidae** Siddiqi, 1986 (5 subfamilies, 12 genera, 54 species)
- Subfamily **Heteromorphotylenchinae** Siddiqi, 1986 (1 genus, 2 species)
- Tribe **Heteromorphotylenchini** Siddiqi, 1986 *
- Subtribe **Heteromorphotylenchinii** Siddiqi, 1986 *

558 Originally in Tylenchinae (?), but associated with beetles, and superficially similar morphologically, so transferred here pending further inquiry.

559 Described from packing wood from Canada & USA intercepted in Chinese quarantine.

560 Also as family by Massey (1967).

- Genus *Heteromorphotylenchus* Remillet & Van-Waerebeke, 1978 (2 species)
- Subfamily **Heterotylenchinae** Siddiqi, 1986 (3 genera, 8 species)
- Tribe **Heterotylenchini** Siddiqi, 1986 *
- Subtribe **Heterotylenchinii** Siddiqi, 1986 *
- Genus *Heterotylenchus* Bovien, 1937 (3 species)
- Genus *Paregletylenchus* Slobodyanyuk, 1984 (1 species)
- Genus *Wachekitylenchus* Slobodianiuk, 1986 (4 species)
- Subfamily **Kurochkinitylenchinae** Slobodyanyuk, 1999 (1 genus, 1 species)
- Tribe **Kurochkinitylenchini** Slobodyanyuk, 1999 *
- Subtribe **Kurochkinitylenchinii** Slobodyanyuk, 1999 *
- Genus *Kurochkinitylenchus* Slobodyanyuk, 1999 (1 species)
- Subfamily **Parasitylenchinae** Siddiqi, 1986 (4 genera, 18 species)
- Tribe **Parasitylenchini** Siddiqi, 1986 *
- Subtribe **Parasitylenchinii** Siddiqi, 1986 *
- Genus *Anguillonema* Fuchs, 1938 (4 species)
- Species *iranicum* Yaghoubi, Pourjam & Pedram, 2019
- Genus *Helionema* Brzeski, 1962 (1 species)
- Genus *Parasitylenchus* Micoletzky, 1922 (12 species)
- Species *pseudobifurcatus* Camino, Rodriguez, Robredo & Gonzalez, 2019
- Genus *Robleus* Massey, 1974 (1 species)
- Subfamily **Spilotylenchinae** Slobodyanyuk, 1999 (3 genera, 25 species)
- Tribe **Spilotylenchini** Slobodyanyuk, 1999 *
- Subtribe **Spilotylenchinii** Slobodyanyuk, 1999 *
- Genus *Incurvinema* Deunff, Launay & Beaucornu, 1985 (1 species)
- Genus *Psyllotylenchus* Poinar & Nelson, 1973 (16 species)
- Genus *Spilotylenchus* Launay, Deunff & Bain, 1983 (8 species)
- Family **Sphaerulariidae** Lubbock, 1861 (Skarbilovich, 1947) (1 subfamily, 4 genera, 32 species)
- Subfamily **Sphaerulariinae** Lubbock, 1861 (4 genera, 32 species)
- Tribe **Sphaerulariini** Lubbock, 1861 *
- Subtribe **Sphaerulariini** Lubbock, 1861 *
- Genus *Prothallonema* Christie, 1938 (25 species)
- Genus *Sphaerularia* Dufour, 1837 (1 species)
- Genus *Tripilus* Chitwood, 1935 (5 species)
- Species *balticus* Poinar, 2011⁵⁶¹
- Species *gyraloura* Poinar & Thomas, 2014
- Genus *Veleshkinema* Miraeiz, Heydari, Alvarez-Ortega, Pedram & Atighi, 2015 (1 species)
- Species *iranicum* Miraeiz, Heydari, Alvarez-Ortega, Pedram & Atighi, 2015
- Superfamily **Tylenchoidea** Oerley, 1880 (Chitwood & Chitwood, 1937) (14 families, 36 subfamilies, 127 genera, 2040 species)⁵⁶²
- Family **Atylenchidae** Skarbilovich, 1959 (2 subfamilies, 2 genera, 7 species)

561 Fossil, Baltic amber.

562 The arrangement of the families Tylenchidae, Boleodoridae, Ecphyadophoridae, Atylenchidae, Tyldoridae and Psilenchidae differs markedly among different analyses of relationships using both morphological and molecular evidence. Siddiqi (2000) regarded Tylenchidae, Ecphyadophoridae, Atylenchidae, Tyldoridae and Psilenchidae as separate families, but with Boleodorinae as subfamily of Tylenchidae (along with several others) and Psilenchidae in a separate suborder. Geraert (2008) regarded Atylenchinae, Boleodorinae, Ecphyadophorinae, Tylenchinae and Tyldorinae as subfamilies of a greater Tylenchidae and did not recognise Psilenchidae because it was embedded within Tylenchinae. Holterman *et al.* (2006, 2008) and Bert *et al.* (2008) identified Tyldoridae as divergent from the other families and Ecdyaphoridae as unresolved. Van Megen *et al.* (2009) resolved Tylenchidae into at least two different resolved clades (Tylenchinae and Duosulcinae), and Ecphyadophoridae was resolved from both, with the relationships of the other families unresolved. In view of this conflicting evidence, all the clades clearly identifiable by either molecular or morphological analyses are regarded as separate families arising separately from a polytomy. Only extensive analyses of many species from each of these clades, analysed using multiple genetic and morphological characters, is likely to satisfactorily resolve this situation.

- Subfamily **Atylenchinae** Skarbilovich, 1959 (1 genus, 1 species)
 Tribe **Atylenchini** Skarbilovich, 1959 *
 Subtribe **Atylenchini** Skarbilovich, 1959 *
 Genus *Atylenchus* Cobb, 1913 (1 species)
- Subfamily **Eutylenchinae** Siddiqi, 1986 (1 genus, 6 species)
 Tribe **Eutylenchini** Siddiqi, 1986 *
 Subtribe **Eutylenchini** Siddiqi, 1986 *
 Genus *Eutylenchus* Cobb, 1913 (6 species)
- Family **Belonolaimidae** Whitehead, 1959 (Golden, 1971) (1 subfamily, 4 genera, 19 species)
 Subfamily **Belonolaiminae** Whitehead, 1959 (4 genera, 19 species)
 Tribe **Belonolaimini** Whitehead, 1959 *
 Subtribe **Belonolaiminii** Whitehead, 1959 *
 Genus *Belonolaimus* Steiner, 1949 (5 species)
 Genus *Carphodorus* Colbran, 1965 (1 species)
 Genus *Ibipora* Monteiro & Lordello, 1977 (5 species)
 Genus *Morulaimus* Sauer, 1966 (8 species)
- Family **Boleodoridae** Khan, 1964 (Brzeski & Sauer, 1983) (2 subfamilies, 6 genera, 101 species)
 Subfamily **Boleodorinae** Khan, 1964 (4 genera, 93 species)
 Tribe **Boleodorini** Khan, 1964 *
 Subtribe **Boleodorinii** Khan, 1964 *
 Genus *Basiria* Siddiqi, 1959 (55 species)
 Species *birjandiensis* Alvani, Mahdikhani-Moghadam, Rouhani, Mohammadi & Karssen, 2016
 Species *khouzestanensis* Eivsand, Nejad & Azimi, 2019
 Genus *Boleodorus* Thorne, 1941 (27 species)
 Genus *Neopsilenchus* Thorne & Malek, 1968 (10 species)
 Genus *Ridgellus* Siddiqi, 2000 (1 species)
- Subfamily **Thadinae** Siddiqi, 1986 (2 genera, 8 species)
 Tribe **Thadini** Siddiqi, 1986 *
 Subtribe **Thadini** Siddiqi, 1986 *
 Genus *Neothada* Khan, 1973 (7 species)
 Genus *Thada* Thorne, 1941 (1 species)
- Family **Dolichodoridae** Chitwood, 1950 (Skarbilovich, 1959) (2 subfamilies, 3 genera, 35 species)
 Subfamily **Brachydorinae** Siddiqi, 2000 (1 genus, 3 species)
 Tribe **Brachydorini** Siddiqi, 2000 *
 Subtribe **Brachydorinii** Siddiqi, 2000 *
 Genus *Brachydorus* De-Guiran & Germani, 1968 (3 species)
- Subfamily **Dolichodorinae** Chitwood 1950 (2 genera, 32 species)
 Tribe **Dolichodorini** Chitwood, 1950 *
 Subtribe **Dolichodorinii** Chitwood, 1950 *
 Genus *Dolichodorus* Cobb, 1914 (20 species)
 Species *costaricensis* Esquivel, Ferris, Cid-Del-Prado & Subbotin, 2017
 Species *orientalis* Gagarin & Nguyen, 2015
 Genus *Neodolichodorus* Andrassy, 1976 (12 species)
 Species *persiangulfus* Garahkani, Pourjam & Pedram, 2019
- Family **Ecphyadophoridae** Skarbilovich, 1959 (2 subfamilies, 8 genera, 27 species)
 Subfamily **Ecphyadophorinae** Skarbilovich, 1959 (2 genera, 9 species)
 Tribe **Ecphyadophorini** Skarbilovich, 1959 * (2 genera)
 Subtribe **Ecphyadophorinii** Skarbilovich, 1959 *
 Genus *Ecphyadophora* De-Man, 1921 (8 species)
 Genus *Ultratenella* Siddiqi, 1994 (1 species)

Subfamily **Ecphyadophoroidinae** Siddiqi, 1986 (6 genera, 18 species)

Tribe **Ecphyadophoroidini** Siddiqi, 1986 *

Subtribe **Ecphyadophoroidinii** Siddiqi, 1986 *

Genus *Chilenchus* Siddiqi, 2000 (1 species)

Genus *Ecphyadophoroides* Corbett, 1964 (2 species)

Genus *Lelenchus* Andrassy, 1954 (5 species)

Species *brevislitus* Soleymanzadeh, Pedram, Pourjam & Alvarez-Ortega, 2016

Genus *Mitranema* Siddiqi, 1986 (2 species)

Genus *Tenunemellus* Siddiqi, 1986 (7 species)

Genus *Tremonema* Siddiqi, 1994 (1 species)

Family **Heteroderidae** Filipjev, 1934 (Skarbilovich, 1947) (3 subfamilies, 16 genera, 183 species) ⁵⁶³

Subfamily **Ataloderinae** Wouts, 1973 (8 genera, 40 species) ⁵⁶⁴

Tribe **Ataloderini** Wouts, 1973 *

Subtribe **Ataloderinii** Wouts, 1973 *

Genus *Atalodera* Wouts & Sher, 1971 (13 species)

Species “species A” Subbotin, Akanwari, Nguyen, Cid-Del-Prado-Vera, Chitambar, Inserra & Chizhov, 2017

Species “species B” Subbotin, Akanwari, Nguyen, Cid-Del-Prado-Vera, Chitambar, Inserra & Chizhov, 2017

Genus *Bellodera* Wouts, 1985 (1 species)

Genus *Camelodera* Krall, Shagalina & Ivanova, 1988 (1 species)

Genus *Cryphodera* Colbran, 1966 (15 species) ⁵⁶⁵

Species *sinensis* Zhuo, Wang, Ye, Peng & Liao, 2014

Species “sp A” Nguyen, 2011

Species “sp B” Nguyen, 2011

Species “sp C” Nguyen, 2011

Genus *Ekphymatodera* Baldwin, Bernard & Mundo-Ocampo, 1989 (1 species)

Genus *Hylonema* Luc, Taylor & Cadet, 1978 (1 species)

Genus *Rhizonemella* (Cid-Del-Prado-Vera, Lownsbery & Maggenti, 1983) Andrassy, 2007 (7 species) ⁵⁶⁶

Species “sp A” Subbotin, Akanwari, Nguyen, Cid-Del-Prado-Vera, Chitambar, Inserra & Chizhov, 2017

Species “sp B” Subbotin, Akanwari, Nguyen, Cid-Del-Prado-Vera, Chitambar, Inserra & Chizhov, 2017

Species “sp C” Subbotin, Akanwari, Nguyen, Cid-Del-Prado-Vera, Chitambar, Inserra & Chizhov, 2017

Genus *Sarisodera* Wouts & Sher, 1971 (1 species)

Subfamily **Heteroderinae** Filipjev, 1934 (6 genera, 131 species)

Tribe **Heteroderini** Filipjev, 1934 *

Subtribe **Heteroderinii** Filipjev, 1934 *

Genus *Afenestrata* Baldwin & Bell, 1985 (6 species) ⁵⁶⁷

Genus *Betulodera* Sturhan, 2002 (1 species)

Genus *Cactodera* Krall & Krall, 1978 (20 species)

Species *chenopodiae* Feng, Wang, Xiao, Pereira, Xuan, Wang, Liu, Chen, Duan & Zhu, 2018

Species *torreyanae* Cid-Del-Prado-Vera & Subbotin, 2014

Genus *Dolichodera* Mulvey & Ebsary, 1980 (1 species)

563 Comprehensively reviewed by Sturhan (2018).

564 Classification follows Ghaderi (2019).

565 Including 3 unnamed species diagnosed by Subbotin *et al.* (2017) and another unnamed species diagnosed by Sturhan (2018).

566 Replacement name for *Rhizonema* Clarke 1877 (Coelomata).

567 Synonymized with *Heterodera* by Mundo-Ocampo *et al.* (2008).

- Genus *Globodera* Skarbilovich, 1959 (17 species)
 Species *agulhasensis* Knoetze, Swart, Wentzel & Tiedt, 2017a
 Species *sandvelensis* Knoetze, Swart, Wentzel & Tiedt, 2017b
- Genus *Heterodera* Schmidt, 1871 (86 species)
 Species *fengi* Wang, Zhuo, Ye, Zhang, Peng & Liao, 2013
 Species *guangdongensis* Zhuo, Wang, Zhang & Liao, 2014
 Species *sojae* Kang, Eun, Ha, Kim, Park, Kim & Choi, 2017
 Species *sturhani* Subbotin, 2015
- Subfamily **Meloidoderinae** Wouts, 1973 (2 genera, 12 species)⁵⁶⁸
 Tribe **Meloidoderini** Wouts, 1973 *
 Subtribe **Meloidoderinii** Wouts, 1973 *
 Genus *Meloidodera* Chitwood, Hannon & Esser, 1956 (11 species)
 Species *sikhotealiniensis* Eroshenko, 1978
 syn *alni* Turkina & Chizhov, 1986 (Subbotin, Akanwari, Nguyen, Cid-Del-Prado-Vera, Chitambar, Inserra & Chizhov, 2017)
 Genus *Zealandodera* Wouts, 1973 (1 species)⁵⁶⁹
- Family **Hoplolaimidae** Filipjev, 1934 (Wieser, 1953) (4 subfamilies, 19 genera, 559 species)
 Subfamily **Aphasmatylenchinae** Sher, 1965 (1 genus, 4 species)
 Tribe **Aphasmatylenchini** Sher, 1965 *
 Subtribe **Aphasmatylenchinii** Sher, 1965 *
 Genus *Aphasmatylenchus* Sher, 1965 (4 species)
- Subfamily **Hoplolaiminae** Filipjev, 1934 (4 genera, 132 species)
 Tribe **Hoplolaimini** Filipjev, 1934 *
 Subtribe **Hoplolaiminii** Filipjev, 1934 *
 Genus *Aorolaimus* Sher, 1963 (7 species)
 Genus *Hoplolaimus* Daday, 1905 (44 species)
 Subgenus *Basirolaimus* Shamsi, 1979 (21 species)
 Subgenus *Ethiolaimus* Siddiqi, 2000 (4 species)
 Subgenus *Hoplolaimus* Daday, 1905 (19 species)
 Species *smokyensis* Ma, Robbins, Bernard, Holguin & Agudelo, 2019
 Species *smokyi* Ma, Agudelo, Bernard, Holguin & Robbins, 2017
 Genus *Peltamigratus* Sher, 1964 (23 species)
 Subgenus *Nectopelta* Siddiqi, 1986 (4 species)
 Subgenus *Peltamigratus* Sher, 1964 (19 species)
 Genus *Scutellonema* Andrassy, 1958 (58 species)
 Species *clavicaudatum* Van-Den-Berg, Tiedt, Stanley & Inserra, 2017
 Species *tanlamense* Nguyen, 2017
- Subfamily **Radopholinae** Allen & Sher, 1967 (8 genera, 78 species)⁵⁷⁰
 Tribe **Radopholini** Allen & Sher, 1967 *
 Subtribe **Radopholinii** Allen & Sher, 1967 *
 Genus *Achlysiella* Hunt, Bridge & Machon, 1989 (7 species)
 Genus *Afritylenchus* Singbo, Ieden & Nesterov, 1988 (1 species)
 Genus *Apratylenchoides* Sher, 1973 (3 species)
 Genus *Hoplotylus* s'Jacob, 1960 (5 species)
 Genus *Pratylenchoides* Winslow, 1958 (31 species)
 Species *persicus* Azizi, Eskandari, Karegar, Ghaderi, Van-Den-Elsen, Holterman & Helder, 2017

568 Classification follows Ghaderi (2019).

569 Recent molecular phylogenetic studies suggest this is a distinct lineage and hence a valid genus (Subbotin *et al.* 2018).

570 Originally regarded as related to Pratylenchidae (Thorne 1949), recent molecular studies show a clear affinity to Hoplolaimidae (Gafur 2014). After re-evaluation, some morphological features also support affinities with Hoplolaimidae (Gafur 2014). However, the overall appearance remains very close to Pratylenchidae, even if this is perhaps superficial and convergent.

- Genus *Radopholoides* De-Guiran, 1967 (4 species)
 Species *japonicus* Maria, Gu, Fang, He, Castillo & Li, 2017 ⁵⁷¹
- Genus *Radopholus* Thorne, 1949 (25 species)
- Genus *Zygradus* Siddiqi, 1991 (2 species)
- Subfamily **Rotylenchoidea** Whitehead, 1958 (6 genera, 345 species)
- Tribe **Rotylenchoideini** Whitehead, 1958 *
- Subtribe **Rotylenchoideini** Whitehead, 1958 *
- Genus *Antarctylus* Sher, 1973 (1 species)
- Genus *Helicotylenchus* Steiner, 1945 (205 species)
 Species *persiaensis* Kashi & Karegar, 2014
 Species *siddiqii* Begum & Shaheen, 2016
- Genus *Orientalylus* Jairajpuri & Siddiqi, 1977 (7 species)
- Genus *Rotylenchoidea* Whitehead, 1958 (10 species)
- Genus *Rotylenchus* Filipjev, 1936 (111 species)
- Subgenus *Calvatylus* Jairajpuri & Siddiqi, 1977 (3 species)
- Subgenus *Pararotylenchus* Baldwin & Bell, 1981 (16 species)
- Subgenus *Plesiorotylenchus* Vovlas, Castillo & Lamberti, 1993 (2 species) ⁵⁷²
- Subgenus *Rotylenchus* Filipjev, 1936 (90 species)
 Species *arasbaranensis* Atighi, Pourjam, Ghaemi, Pedram, Liebanas,
 Cantalapiedra-Navarrete, Castillo & Palomares-Rius, 2014
 Species *castilloi* Talezari, Pourjam, Kheir, Liebanas, Aliramaji, Pedram, Rezaee &
 Atighi, 2015
 Species *cretensis* Tzortzakakis, Archidona-Yuste, Liebanas, Birmipilis,
 Cantalapiedra-Navarrete, Navas-Cortes, Castillo & Palomares-
 Rius, 2016
 Species *dalikhaniensis* Aliramaji, Pourjam, Alvarez-Ortega, Pedram & Atighi, 2015
 Species *rhomboides* Nguyen, Trinh, Couvrier, Singh, Decraemer & Bert, 2019
 Species *sardashtensis* Golhasan, Heydari, Alvarez-Ortega, Meckles, Pedram &
 Atighi, 2016
 Species *urmiaensis* Noruzi, Asghari, Atighi, Eskandari, Cantalapiedra-Navarrete,
 Archidona-Yuste, Liebanas, Castillo & Palomares-Rius, 2015
- Genus *Varotylus* Siddiqi, 1986 (11 species)
- Family **Meloidogynidae** Skarbilovich, 1959 (Wouts, 1973) (2 subfamilies, 6 genera, 122 species)
- Subfamily **Meloidogyninae** Skarbilovich, 1959 (3 genera, 113 species)
- Tribe **Meloidogynini** Skarbilovich, 1959 *
- Subtribe **Meloidogynini** Skarbilovich, 1959 *
- Genus *Meloidoderella* Khan, 1972 (1 species)
- Genus *Meloidogyne* Goeldi, 1887 (110 species)
 Species *aberrans* Tao, Xu, Yuan, Wang, Lin, Zhuo & Liao, 2017
 Species *daklakensis* Trinh, Le, Nguyen, Nguyen, Liebanas & Nguyen, 2019
 Species *ethiopica* Whitehead, 1968
 syn *brasiliensis* Charchar & Eisenback, 2002 (Montiero, Cares, Correa, Pinheiro,
 Mattos, Silva, Gomes, Santos, Castagnone-Sereno & Carniero,
 2017)
 Species *lopezi* Humphreys-Pereira, Flores-Chaves, Gomez, Salazar, Gomez-Alpizar
 & Elling, 2014
 Species *luci* Carneiro, Correa, Almeida, Gomes, Abbas, Castagnone-Sereno &
 Karssen, 2014
 Species *incognita* (Kofoid & White, 1919) Chitwood, 1949
 syn *polycephannulata* Charcher, Eisenback, Vieira, Fonseca-Boiteux & Boiteux,

571 Found in quarantine sample in China originating in Japan.

572 Regarded as a synonym of subgenus *Rotylenchus* by Atighi et al. (2014), but on the basis of only one sequence, so retained here.

- 2009 (Montiero, Mattos, Santos, Gomes, Correa, Sousa, Cares, Pinheiro & Carniero, 2019)
- Species *moensi* Le, Nguyen, Nguyen, Liebanas, Nguyen & Trinh, 2019
- Species *oleae* Archidona-Yuste, Cantalapiedra-Navarrete, Liebanas, Rapoport, Castillo & Palomares-Rius, 2018
- Species *pakistanica* Shahina, Nasira, Salma, Mehreen & Bhatti, 2015
- Species *spartelensis* Ali, Tavoillot, Mateille, Chapuis, Besnard, El-Bakkali, Cantalapiedra-Navarrete, Liebanas, Castillo & Palomares-Rius, 2015
- Genus *Spartonema* Siddiqi, 1986 (2 species)
- Subfamily **Nacobboderinae** Golden & Jensen, 1974 (3 genera, 9 species)
- Tribe **Nacobboderini** Golden & Jensen, 1974 *
- Subtribe **Nacobboderinii** Golden & Jensen, 1974 *
- Genus *Bursadera* Ivanova & Krall, 1985 (1 species)
- Genus *Meloinema* Choi & Geraert, 1973 (5 species)
- Genus *Punctodera* Mulvey & Stone, 1976 (3 species)
- Family **Pratylenchidae** Thorne, 1949 (Siddiqi, 1963) (3 subfamilies, 4 genera, 173 species)
- Subfamily **Hirschmanniellinae** Fotedar & Handoo, 1979 (1 genus, 33 species)
- Tribe **Hirschmanniellini** Fotedar & Handoo, 1979 *
- Subtribe **Hirschmanniellinii** Fotedar & Handoo, 1979 *
- Genus *Hirschmanniella* Luc & Goodey, 1963 (33 species)⁵⁷³
- Species *bananae* Nguyen, 2017
- Species *teres* (Schneider, 1927) Loof & Skwiercz, 2001
syn *Aphelenchoides teres* (Schneider, 1927) Filipjev, 1934
syn *Aphelenchus teres* Schneider, 1927
- Subfamily **Nacobbinae** Chitwood, 1950 (1 genus, 2 species)
- Tribe **Nacobbini** Chitwood, 1950 *
- Subtribe **Nacobbini** Chitwood, 1950 *
- Genus *Nacobbus* Thorne & Allen, 1944 (2 species)
- Subfamily **Pratylenchinae** Thorne, 1949 (2 genera, 138 species)
- Tribe **Pratylenchini** Thorne, 1949 *
- Subtribe **Pratylenchinii** Thorne, 1949 *
- Genus *Pratylenchus* Filipjev, 1936 (132 species)
- Species *bolivianus* Corbett, 1983 (amphimictic morphotype) Troccoli, Subbotin, Chitambar, Janssen, Waeyenberge, Stanley, Duncan, Agudelo, Munera-Arribes, Franco & Inserra, 2016
- Species *bolivianus* Corbett, 1983 (parthenogenetic morphotype) Troccoli, Subbotin, Chitambar, Janssen, Waeyenberge, Stanley, Duncan, Agudelo, Munera-Arribes, Franco & Inserra, 2016
- Species *capsici* Qing, Bert, Gamliel, Bucki, Duvrinin, Alon & Miyara, 2019
- Species *haiduongensis* Nguyen, Le, Nguyen, Nguyen, Liebanas & Trinh, 2017
- Species *horti* Nguyen, Trinh, Couvri r, Singh, Decraemer & Bert, 2019
- Species *oleae* Palomares-Rius, Guesmi, Horrigue-Raouani, Cantalapiedra-Navarrete, Liebanas & Castillo, 2014
- Species *parazeae* Wang, Zhuo, Ye & Liao, 2015
- Species *pratensis* (De-Man, 1880) Filipjev, 1936
syn *Tylenchus pratensis* De-Man, 1880
syn *lentis* (Janssen, Karssen, Couvri r, Waeyenberge & Bert, 2017)
- Species *quasitereoides* Hodda, Collins, Vanstone, Hartley, Wanjura & Kehoe, 2014
- Species *rwandae* Singh, Nyiragatare, Janssen, Couvri r, Decraemer & Bert, 2018
- Genus *Zygotylenchus* Siddiqi, 1963 (6 species)

573 Species list from Khun *et al.* (2015).

- Species *gansuensis* Wang, Zhuo & Liao, 2014
- Family **Psilenchidae** Paramonov, 1967 (Khan, 1969) (2 subfamilies, 3 genera, 28 species)
- Subfamily **Antarctenchinae** Spaul, 1972 (1 genus, 1 species)
- Tribe **Antarctenchini** Spaul, 1972 *
- Subtribe **Antarctenchinii** Spaul, 1972 *
- Genus *Antarctenchus* Spaul, 1972 (1 species)
- Subfamily **Psilenchinae** Paramonov, 1967 (2 genera, 27 species)
- Tribe **Psilenchini** Paramonov, 1967 *
- Subtribe **Psilenchinii** Paramonov, 1967 *
- Genus *Atetylenchus* Khan, 1973 (6 species)
- Species *minor* Yaghoubi, Pourjam, Atighi & Pedram, 2015
- Genus *Psilenchus* De-Man, 1921 (21 species)
- Family **Rotylenchulidae** Husain & Khan, 1967 (Fotedar & Handoo, 1975) (3 subfamilies, 5 genera, 20 species)
- Subfamily **Acontylinae** Fotedar & Handoo, 1978 (1 genus, 1 species)
- Tribe **Acontylini** Fotedar & Handoo, 1978 *
- Subtribe **Acontylinii** Fotedar & Handoo, 1978 *
- Genus *Acontylus* Meagher, 1968 (1 species)
- Subfamily **Rotylenchulinae** Husain & Khan, 1967 (2 genera, 15 species)
- Tribe **Rotylenchulini** Husain & Khan, 1967 *
- Subtribe **Rotylenchulini** Husain & Khan, 1967 *
- Genus *Rotylenchulus* Linford & Oliveira, 1940 (14 species)
- Species *macrosomoides* Berg, Palomares-Rius, Vovlas, Tiedt, Castillo & Subbotin, 2016
- Genus *Senegalonema* Germani Luc & Baldwin, 1984 (1 species)
- Subfamily **Verutinae** Esser, 1981 (2 genera, 4 species)
- Tribe **Verutini** Esser, 1981 *
- Subtribe **Verutini** Esser, 1981 *
- Genus *Bilobodera* Sharma & Siddiqi, 1992 (2 species)
- Genus *Verutus* Esser, 1981 (2 species)
- Family **Telotylenchidae** Siddiqi, 1960 (Loof, 1987) (4 subfamilies, 20 genera, 416 species)⁵⁷⁴
- Subfamily **Macrotrophurinae** Fotedar & Handoo, 1978 (1 genus, 1 species)
- Tribe **Macrotrophurini** Fotedar & Handoo, 1978 *
- Subtribe **Macrotrophurini** Fotedar & Handoo, 1978 *
- Genus *Macrotrophurus* Loof, 1958 (1 species)
- Subfamily **Meiodorinae** Siddiqi, 1976 (1 genus, 4 species)
- Tribe **Meiodorini** Siddiqi, 1976 *
- Subtribe **Meiodorini** Siddiqi, 1976 *
- Genus *Meiodorus* Siddiqi, 1976 (4 species)
- Subfamily **Merliniinae** Siddiqi, 1971 (6 genera, 132 species)
- Tribe **Merliniini** Siddiqi, 1971 *
- Subtribe **Merliniini** Siddiqi, 1971 *
- Genus *Amplimerlinius* Siddiqi, 1976 (22 species)
- Species *uramanatiensis* Ghaderi & Karegar, 2014
- Genus *Geocenamus* Thorne & Malek, 1968 (21 species)
- Species *conicaudatus* Ghaderi & Karegar, 2016
- Species *vietnamensis* Nguyen, Le, Nguyen, Liebanas, Nguyen & Trinh, 2019
- Genus *Merlinius* Siddiqi, 1970 (36 species)
- Species *nagerensis* Sagir & Erum, 2017
- Genus *Nagelus* Thorne & Malek, 1968 (28 species)

574 Created as a subfamily by Siddiqi (1960). Telotylenchidae first used at family level by Loof (1987) when transferring the genus *Telotylenchus* to the family Tylenchorhynchidae Eliava 1964.

- Genus *Scutylenchus* Jairajpuri, 1971 (21 species)
- Genus *Telomerlinius* Siddiqi & Sturhan, 2014 (4 species)
- Species *mellumensis* Siddiqi & Sturhan, 2014
- Species *teleosus* Siddiqi & Sturhan, 2014
- Subfamily **Telotylenchinae** Siddiqi, 1960 (12 genera, 279 species)
- Tribe **Telotylenchini** Siddiqi, 1960 *
- Subtribe **Telotylenchiniii** Siddiqi, 1960 *
- Genus *Bitylenchus* Filipjev, 1934 (32 species)
- Species *hispaniertsis* Handoo, Palomares-Rius, Cantalapiedra-Navarrete, Liebanas, Subbotin & Castillo, 2014
- Genus *Histotylenchus* Siddiqi, 1971 (7 species)
- Genus *Neodolichorhynchus* Jairajpuri & Hunt, 1984 (17 species)
- Subgenus *Mulkorhynchus* Jairajpuri, 1988 (8 species)
- Subgenus *Neodolichorhynchus* Jairajpuri & Hunt, 1984 (8 species)
- Subgenus *Prodolichorhynchus* Jairajpuri, 1985 (1 species)
- Genus *Paratrophurus* Arias, 1970 (14 species)
- Genus *Quinisulcius* Siddiqi, 1971 (17 species)⁵⁷⁵
- Genus *Sauertylenchus* Sher, 1974 (5 species)
- Genus *Telotylenchoides* Siddiqi, 1971 (3 species)
- Genus *Telotylenchus* Siddiqi, 1960 (21 species)
- Species *manipurensis* Chanu, Meitei & Shah, 2016
- Genus *Trichotylenchus* Whitehead, 1959 (8 species)
- Species *gorganiensis* Ghaderi, Karegar & Miraeiz, 2018
- Genus *Trophurus* Loof, 1956 (16 species)
- Species *wuhuensis* Li, Du, Wang, Wang & Li, 2018
- Genus *Tylenchorhynchus* Cobb, 1913 (131 species)
- Species *clarus* Allen, 1955
- syn *variannus* Mavlianov, 1978 (Ghaderi & Karegar, 2016)
- Species *iranensis* Azmia, Mahdikhani-Moghadam, Rouhan & Memari, 2016
- Species *mediterraneus* Handoo, Palomares-Rius, Cantalapiedra-Navarrete, Liebanas, Subbotin & Castillo, 2014
- Genus *Uliginotylenchus* Siddiqi, 1971 (8 species)
- Family **Tylenchidae** Oerley, 1880 (Marcinowski, 1909) (3 subfamilies, 24 genera, 321 species)⁵⁷⁶
- Subfamily **Duosulciinae** Siddiqi, 1979 (7 genera, 93 species)
- Tribe **Duosulciini** Siddiqi, 1979 *
- Subtribe **Duosulciinii** Siddiqi, 1979 *
- Genus *Allotylenchus* Andrassy, 1984 (1 species)
- Genus *Duosulcius* Siddiqi, 1979 (2 species)
- Genus *Malenchus* Andrassy, 1968 (46 species)
- Subgenus *Malenchus* Andrassy, 1968 (38 species)
- Species *cylindricus* Qing, Pereira, Slos, Couvreur & Bert, 2018
- Species *geraerti* Pedram, Soleymanzadeh, Pourjam & Mobasseri, 2018
- Species *herrerai* Mundo-Ocampo, Holovachov & Pereira, 2015
- Species *sexlineatus* Qing, Sanchez-Monge, Janssen, Couvreur & Bert, 2016
- Subgenus *Neomalenchus* Siddiqi, 1979 (3 species)
- Subgenus *Telomalenchus* Siddiqi, 2000 (5 species)
- Species *gilanensis* Jalalinasab, Adeldoost, Abolafia & Heydari, 2019
- Genus *Miculenchus* Andrassy, 1959 (7 species)
- Species *brevisalvus* Panahandeh, Pourjam, Alvarez-Ortega, Afshar & Pedram,

575 According to Hussain *et al.* (2019).

576 Qing & Bert (2019) suggested the family comprised 44 genera and 412 nominal species, and that the family should be split into several families, but this was not done formally.

- Species *muscus* Panahandeh, Pourjam, Alvarez-Ortega, Afshar & Pedram, 2019
- Genus *Mukazia* Siddiqi, 1986 (1 species)
- Genus *Ottolenchus* Husain & Khan, 1967 (29 species)
- Genus *Zanenchus* Siddiqi, 1979 (7 species)
- Subfamily **Tanzaniinae** Siddiqi, 2000 (1 genus, 1 species)
- Tribe **Tanzaniini** Siddiqi, 2000 *
- Subtribe **Tanzaniinii** Siddiqi, 2000 *
- Genus *Tanzanius* Siddiqi, 1991 (1 species)
- Subfamily **Tylenchinae** Oerley, 1880 (16 genera, 227 species)
- Tribe **Tylenchini** Oerley, 1880 *
- Subtribe **Tylenchinii** Oerley, 1880 *
- Genus *Aglenchus* Andrassy, 1954 (14 species)
- Species *microstylus* Husseinvand, Abdollahi & Karegar, 2016
- Genus *Cervoannulatus* Bajaj, 1998 (1 species)
- Genus *Coslenchus* Siddiqi, 1978 (40 species)
- Genus *Cucullitylenchus* Huang & Raski, 1986 (1 species)
- Genus *Discopersicus* Yaghoubi, Pourjam, Alvarez-Ortega, Liebanas & Pedram, 2016 (1 species)
- Species *iranicus* (Ghaemi, Pourjam, Atighi, Pedram & Karssen, 2012) Yaghoubi, Pourjam, Alvarez-Ortega, Liebanas & Pedram, 2016
- syn *Discotylenchus iranicus* Ghaemi, Pourjam, Atighi, Pedram & Karssen, 2012 (Yaghoubi, Pourjam, Alvarez-Ortega, Liebanas & Pedram, 2016)
- Genus *Discotylenchus* Siddiqi, 1980 (10 species)
- Species *biannulatus* Konani, Panahandeh, Pourjam, Alvarez-Ortega & Pedram, 2018
- Species *lorestanensis* Mehrabian, Azizi, Bazgir & Darvshnia, 2017
- Genus *Filenchus* Andrassy, 1954 (63 species)
- Species *maqbooli* Aatika, Nasira & Shahina, 2017
- Genus *Fraglenchus* Siddiqi, 2000 (1 species)
- Genus *Irantylenchus* Kheira, 1972 (1 species)
- Genus *Labrys* Qing & Bert, 2018 (8 species)
- Species *chinensis* Qing & Bert, 2018
- Species *filiformis* Panahandeh, Abolafia, Pourjam, Giblin-Davis, Afshar & Pedram, 2018
- Species *fujianensis* Qiao, Bai, Wang, Hou, Chen, Xiao, Liu, Bert & Qing, 2019
- Species *fuzhouensis* Qiao, Bai, He, Chen, Xiao, Cheng, Liu, Braun-Miyara & Qing, 2019
- Genus *Polenchus* Andrassy, 1980 (4 species)
- Genus *Sakia* Khan, 1964 (16 species)
- Species *arboris* Panahandeh, Pourjam, Roshan-Baksh & Pedram, 2018
- Species *sisanganensis* Panahandeh, Atighi, De-Ley, Pourjam, Mundo-Ocampo, Abolafia, Koolivand, Afshar & Pedram, 2019
- Genus *Silenchus* Andrassy, 2001 (1 species)
- Genus *Tenunema* Kapoor, 1983 (1 species)
- Genus *Tetylenchus* Filipjev, 1936 (2 species)
- Genus *Tylenchus* Bastian, 1865 (63 species)
- Species *conicaudatus* Chanu, Meitei & Shah, 2016
- Species *scythecaudus* Roy, Gantait & Chatterjee, 2019
- Family **Tyldoridae** Paramonov, 1967 (Siddiqi, 1976) (3 subfamilies, 7 genera, 29 species)⁵⁷⁷

577 Created as a subfamily by Paramonov (1967).

- Subfamily **Epicharinematinae** Maqbool & Shahina, 1965 (2 genera, 2 species)
 Tribe **Epicharinematini** Maqbool & Shahina, 1965 *
 Subtribe **Epicharinematinii** Maqbool & Shahina, 1965 *
 Genus *Epicharinema* Raski, Maggenti, Koshy & Sosamma, 1980 (1 species)
 Genus *Gracilancea* Siddiqi, 1976 (1 species)
- Subfamily **Pleurotylenchinae** Andrassy, 1976 (3 genera, 24 species)
 Tribe **Pleurotylenchini** Andrassy, 1976 *
 Subtribe **Pleurotylenchinii** Andrassy, 1976 *
 Genus *Campbellenchus* Wouts, 1978 (2 species)
 Genus *Cephalenchus* Goodey, 1962 (20 species)
 Genus *Pleurotylenchus* Szczygiel, 1969 (2 species)
- Subfamily **Tylodorinae** Paramonov, 1967 (2 genera, 3 species)⁵⁷⁸
 Tribe **Tylodorini** Paramonov, 1967 *
 Subtribe **Tylodorinii** Paramonov, 1967 *
 Genus *Arboritynchus* Reay, 1991 (1 species)
 Genus *Tylodorus* Meagher, 1964 (2 species)
- Suborder **Cephalobina** Andrassy, 1974 (1 superfamily, 6 families, 7 subfamilies, 43 genera, 289 species)^{579, 580}
 Superfamily **Cephaloboidea** Filipjev, 1934 (Paramonov, 1962) (6 families, 7 subfamilies, 43 genera, 289 species)
- Family **Cephalobidae** Filipjev, 1934 (Chitwood & MacIntosh, 1934) (2 subfamilies, 33 genera, 257 species)⁵⁸¹
- Subfamily **Acrobelinae** Thorne, 1937 (14 genera, 183 species)
 Tribe **Acrobelini** Thorne, 1937 *
 Subtribe **Acrobelinii** Thorne, 1937 *
 Genus *Acrobeles* Linstow, 1877 (30 species)
 Species *aenigmaticus* Abolafia, Shokoohi, Du-Preez & Fourie, 2019
 Genus *Acrobeloides* Cobb, 1924 (26 species)
 Species *gossypii* Nahiyoon, Fayyaz & Kazi, 2019
 Species *longiuterus* (Rashid & Heyns, 1990) Siddiqi, De-Ley & Khan, 1992
 syn *camberensis* (De-Ley, Geraert & Coomans 1990) Siddiqi, De-Ley and Khan, 1992 (Abolafia & Pena-Santiago, 2017)
 syn *Cephalobus camberensis* De-Ley, Geraert & Coomans 1990 (Siddiqi, De-Ley and Khan, 1992)
- Genus *Acrobelophis* Andrassy, 1984 (4 species)
 Genus *Cervidellus* Thorne, 1937 (16 species)
 Genus *Chiloplacus* Thorne, 1937 (33 species)
 Species *magnus* Rashid & Heyns, 1990
 syn *similis* Orselli & Vinciguerra, 2002 (Abolafia & Pena-Santiago, 2017)
 Species *mysteriosus* Abolafia & Pena-Santiago, 2018a
 Species *spannatus* (Waceke, Bumbarger, Mundo-Ocampo, Subbotin & Baldwin, 2005) Abolafia & Pena-Santiago, 2018a
 syn *Zeldia spannata* Waceke, Bumbarger, Mundo-Ocampo, Subbotin & Baldwin, 2005 (Abolafia & Pena-Santiago, 2018a)
 Genus *Nothacrobeles* Allen & Noffsinger, 1971 (15 species)

578 Also created as a family by Allen & Sher (1967), but in September. Paramonov published the same name in June.

579 Cephalobina and Rhabditina have been traditionally placed together in an Order Rhabditida. Molecular evidence consistently places the Cephalobina with Panagrolaimina (De Ley & Blaxter 2004, Holterman *et al.* 2006, Meldal *et al.* 2007, Van Megen *et al.* 2009). In addition, it appears that the origin of nerve cells in the oesophagus may be different in Rhabditidae to that in Cephalobidae and Panagrolaimidae (Borgonie *et al.* 2000). Early development is also different in *Caenorhabditis elegans* (Rhabditida) and *Acrobeloides nanus* (Cephalobina) (Schierenberg 2000). The monophyly of the Cephalobina is supported on molecular evidence (Nadler *et al.* 2006).

580 Created as an Infraorder by De Ley & Blaxter (2002).

581 Created as subfamily by Artigas (1929) in a thesis, and Filipjev (1934).

- Species *hebetocaudatus* Abolafia, Divsalar, Panahi & Shokoohi, 2014
 Species *nanocorpus* (Iliev, Ilieva & Mitor, 2003) Abolafia & Pena-Santiago, 2018a
 syn *Chiloplacus juniperi* Iliev, Ilieva & Mitor, 2003 (Abolafia & Pena-Santiago, 2018a)
- Genus *Paracrobeles* Heyns, 1968 (7 species)
 Species *kelsodunensis* Bostrom & Holovachov, 2015
 Species *deserticola* Abolafia, Divsalar, Panahi & Shokoohi, 2014
- Genus *Placodira* Thorne, 1937 (2 species)
- Genus *Pseudacrobeles* Steiner, 1938 (16 species)
 Subgenus *Bunobus* De-Ley, Siddiqi & Bostrom, 1993 (5 species)
 Subgenus *Pseudacrobeles* Steiner, 1938 (10 species)
 Species *curvatus* Kim, Kim & Park, 2017
- Genus *Scottnema* Timm, 1971 (1 species)
- Genus *Stegellesta* Thorne, 1938 (9 species) nom. nov. pro *Stegella* Thorne, 1937 nec
Stegella Stecho 1919 (Hydroid)
 Species *arenaria* Bostrom & Holovachov, 2012
 Species *laterocornuta* Bostrom & Holovachov, 2014
- Genus *Stegelletina* Andrassy, 1984 (11 species)
 Species *lingulata* Abolafia & Shokoohi, 2017
- Genus *Trithornus* Sufyan, 2017 (1 species)
 Species *aquatica* Sufyan, 2017
- Genus *Zeldia* Thorne, 1937 (12 species)
- Subfamily **Cephalobinae** Filipjev, 1934 (19 genera, 74 species)
 Tribe **Cephalobini** Filipjev, 1934 *
 Subtribe **Cephalobinii** Filipjev, 1934 *
 Genus *Acrobelinema* Khera, 1968 (1 species)
 Genus *Acrolobus* Bostrom, 1986 (1 species)
 Genus *Acroukrainicus* Holovachov, Bostrom & Susulovsky, 2001 (1 species)
 Genus *Catoralaimellus* Siddiqi, 2002 (1 species)
 Genus *Cephalobus* Bastian, 1865 (30 species)
 Genus *Chiloplacoides* Heyns, 1994 (1 species)
 Genus *Cribronema* Siddiqi, 1993 (3 species)
 Species *sturhani* Bostrom & Holovachov, 2019
 Genus *Eucephalobus* Steiner, 1936 (11 species)
 Genus *Heterocephalobellus* Rashid Geraert & Sharma, 1984 (3 species)
 Genus *Heterocephalobus* Brzeski, 1960 (4 species)
 Genus *Macrolaimellus* Andrassy, 1966 (4 species)
 Genus *Metacrolobus* Vinciguerra, 1994 (1 species)
 Genus *Panagrolobus* Holovachov & Bostrom, 2006 (1 species)
 Genus *Panagroteratus* Andrassy, 1986 (3 species)
 Genus *Paracephalobus* Akhtar, 1962 (2 species)
 Genus *Penjatinema* Heyns & Swart, 1998 (1 species)
 Genus *Rafiqius* Khan & Hussain, 1997 (2 species)
 Genus *Teratolobus* Andrassy, 1968 (3 species)
 Genus *Triligulla* Siddiqi, 1993 (1 species)
- Family **Elaphonematidae** Heyns, 1962 (Paramonov, 1964) (1 subfamily, 3 genera, 9 species)
 Subfamily **Elaphonematidae** Heyns, 1962 (3 genera)
 Tribe **Elaphonematini** Heyns, 1962 *
 Subtribe **Elaphonematinii** Heyns, 1962 *
 Genus *Acromoldavicus* Nesterov, 1970 (2 species)
 Genus *Elaphonema* Heyns, 1962 (6 species)
 Genus *Kirjanovia* Ivanova, 1969 (1 species)

- Family **Osstellidae** Heyns, 1962 (Andrassy, 1984) (1 subfamily, 3 genera, 11 species)
 Subfamily **Osstellinae** Heyns, 1962 (3 genera, 11 species)
 Tribe **Osstellini** Heyns, 1962 *
 Subtribe **Osstellinii** Heyns, 1962 *
 Genus *Deficephalobus* De-Ley & Coomans, 1990 (3 species)
 Genus *Drilocephalobus* Coomans & Goodey, 1965 (7 species)⁵⁸²
 Genus *Osstella* Heyns, 1962 (1 species)
- Family **Alirhabditidae** Suryawanshi, 1971 (1 subfamily, 1 genus, 2 species)
 Subfamily **Alirhabditinae** Suryawanshi, 1971 * (1 genus, 2 species)
 Tribe **Alirhabditini** Suryawanshi, 1971 *
 Subtribe **Alirhabditinii** Suryawanshi, 1971 *
 Genus *Alirhabditis* Suryawanshi, 1971 (2 species)
- Family **Bicirronematidae** Andrassy, 1978 (Holovachov, Esquivel & Bongers, 2003) (1 subfamily, 2 genera, 7 species)
 Subfamily **Bicirronematinae** Andrassy, 1978 (2 genera, 7 species)
 Tribe **Bicirronematini** Andrassy, 1978 *
 Subtribe **Bicirronematinii** Andrassy, 1978 *
 Genus *Bicirronema* Andrassy, 1978 (4 species)
 Species *hamiguitanense* Qing, Bert, Steel, Quisado & Tandingan-De-Ley, 2015
 Genus *Tricirronema* Siddiqi, 1993 (3 species)
- Family **Metacrobelidae** Paramonov, 1964 (Andrassy, 1974) (1 subfamily, 1 genus, 3 species)
 Subfamily **Metacrobelinae** Paramonov, 1967 * (1 genus, 3 species)
 Tribe **Metacrobelini** Paramonov, 1967 *
 Subtribe **Metacrobelinii** Paramonov, 1967 *
 Genus *Metacrobeles* Loof, 1962 (3 species)
- Order **Drilonematida** n. ord. (1 suborder, 1 superfamily, 7 families, 13 subfamilies, 39 genera, 168 species)
 Suborder **Drilonematina** n. suborder. (1 superfamily, 7 families, 13 subfamilies, 39 genera, 168 species)
 Superfamily **Drilonematoidea** Pierantoni, 1916 (Chitwood, 1950) (7 families, 13 subfamilies, 39 genera, 168 species)
- Family **Drilonematidae** Pierantoni, 1916 (6 subfamilies, 16 genera, 66 species)
 Subfamily **Dicelinae** Spiridonov & Ivanova, 2005 (2 genera, 22 species)
 Tribe **Dicelini** Spiridonov & Ivanova, 2005 *
 Subtribe **Dicelinii** Spiridonov & Ivanova, 2005 *
 Genus *Adieronema* Timm, 1967 (4 species)
 Genus *Dicelis* Dujardin, 1845 (18 species)
- Subfamily **Diceloidinae** Spiridonov & Ivanova, 2005 (3 genera, 5 species)
 Tribe **Diceloidini** Spiridonov & Ivanova, 2005 *
 Subtribe **Diceloidinii** Spiridonov & Ivanova, 2005 *
 Genus *Araguanema* Ivanova & Hope, 2004 (3 species)
 Species *mutabile* Ivanova, 2016
 Genus *Diceloides* Timm, 1967 (1 species)
 Genus *Mbanema* Spiridonov, 1992 (1 species)
- Subfamily **Drilonematinae** Pierantoni, 1916 (4 genera, 4 species)
 Tribe **Drilonematini** Pierantoni, 1916 *
 Subtribe **Drilonematinii** Pierantoni, 1916 *
 Genus *Alaninema* Theodorides, 1957 (1 species)
 Genus *Drilonema* Pierantoni, 1916 (1 species)
 Genus *Pierantonia* Baylis & Daubney, 1926 (1 species)
 Genus *Spininematoides* Rajeswari Anand & Narayan Rao, 1985 (1 species)
- Subfamily **Gatesnematinae** Spiridonov & Ivanova, 2005 (1 genus, 1 species)
 Tribe **Gatesnematini** Spiridonov & Ivanova, 2005 *

582 A separate family according to Mehdi *et al.* (1973).

- Subtribe **Gatesnematini** Spiridonov & Ivanova, 2005 *
 - Genus *Gatesnema* Timm, 1971 (1 species)
- Subfamily **Iponematinae** Spiridonov & Ivanova, 2005 (4 genera, 29 species)
 - Tribe **Iponematini** Spiridonov & Ivanova, 2005 *
 - Subtribe **Iponematini** Spiridonov & Ivanova, 2005 *
 - Genus *Filiponema* Timm & Maggenti, 1966 (10 species)
 - Species *champa* Ivanova & Spiridonov, 2015
 - Species *suifunense* Ivanova & Spiridonov, 2015
 - Species *yaoense* Ivanova & Spiridonov, 2015
 - Genus *Iponema* Timm & Maggenti, 1966 (12 species)
 - Species *visayanum* Ivanova & Spiridonov, 2015
 - Genus *Plutellonema* Timm & Maggenti, 1966 (1 species)
 - Genus *Tonoscolecinema* Timm, 1967 (6 species)
- Subfamily **Mesonematinae** Spiridonov & Ivanova, 2005 (2 genera, 5 species)
 - Tribe **Mesonematini** Spiridonov & Ivanova, 2005 *
 - Subtribe **Mesonematini** Spiridonov & Ivanova, 2005 *
 - Genus *Burmanema* Timm, 1967 (1 species)
 - Genus *Mesonema* Pierantoni, 1916 (4 species)
- Family **Ungellidae** Chitwood, 1950 (2 subfamilies, 14 genera, 75 species)
 - Subfamily **Synoecneminae** Spiridonov & Ivanova, 2005 (8 genera, 60 species)
 - Tribe **Synoecnemini** Spiridonov & Ivanova, 2005 *
 - Subtribe **Synoecnemini** Spiridonov & Ivanova, 2005 *
 - Genus *Adungella* Timm, 1967 (3 species)
 - Genus *Drasico* Ivanova Ganin & Spiridonov, 2014 (4 species)
 - Species *nemoralis* Ivanova, Ganin & Spiridonov, 2014
 - Species *paludigenus* Ivanova, Ganin & Spiridonov, 2014
 - Genus *Onychonema* Baylis, 1943 (3 species)
 - Genus *Siconema* Timm, 1966 (24 species)
 - Genus *Siconemoides* Timm, 1966 (1 species)
 - Genus *Sucamphida* Timm, 1966 (1 species)
 - Genus *Synoecnema* Magalhaes, 1905 (23 species)
 - Species *watinagii* Ivanova, Sumaya & Spiridonov, 2015
 - Genus *Timmungella* Ivanova, Kozodoi & Spiridonov, 1987 (1 species)
 - Subfamily **Ungellinae** Chitwood, 1950 (Spiridonov & Ivanova, 2005) (6 genera, 15 species)
 - Tribe **Ungellini** Chitwood, 1950 *
 - Subtribe **Ungellini** Chitwood, 1950 *
 - Genus *Acanthungella* Ivanova & Hope, 2004 (1 species)
 - Genus *Patagoniella* Ivanova & Vaucher, 2005 (1 species)
 - Genus *Plesiungella* Yeates, Spiridonov & Blakemore, 1998 (1 species)
 - Genus *Thainema* Ivanova, Kozodoi & Spiridonov, 1987 (2 species)
 - Genus *Ungella* Cobb, 1928 (9 species)
 - Genus *Yagansiella* Ivanova & Vaucher, 2005 (1 species)
- Family **Homungellidae** Timm, 1966 (1 subfamily, 2 genera, 12 species)
 - Subfamily **Homungellinae** Timm, 1966 * (2 genera, 12 species)
 - Tribe **Homungellini** Timm, 1966 *
 - Subtribe **Homungellini** Timm, 1966 *
 - Genus *Homungella* Timm, 1966 (9 species)
 - Genus *Perodira* Baylis, 1943 (3 species)
- Family **Pharyngonematidae** Chitwood, 1950 (Timm, 1959) (1 subfamily, 3 genera, 4 species)
 - Subfamily **Pharyngonematinae** Chitwood, 1950 (3 genera, 4 species)
 - Tribe **Pharyngonematini** Chitwood, 1950 *

Subtribe **Pharyngonematini** Chitwood, 1950 *

Genus *Athusia* Anwar & Jairajpuri, 1976 (2 species)

Genus *Macramphida* Timm, 1966 (1 species)

Genus *Pharyngonema* Pierantoni, 1923 (1 species)

Family **Creagrocercidae** Baylis, 1943 (1 subfamily, 1 genus, 1 species)

Subfamily **Creagrocercinae** Baylis, 1943 * (1 genus, 1 species)

Tribe **Creagrocercini** Baylis, 1943 *

Subtribe **Creagrocercinii** Baylis, 1943 *

Genus *Creagrocercus* Baylis, 1943 (1 species)

Family **Mesidionematidae** Poinar, 1978 (1 subfamily, 2 genera, 6 species)

Subfamily **Mesidionematinae** Poinar, 1978 * (2 genera, 6 species)

Tribe **Mesidionematini** Poinar, 1978 *

Subtribe **Mesidionematini** Poinar, 1978 *

Genus *Mesidionema* Poinar, 1978 (3 species)

Genus *Nemanoke* Yeates & Spiridonov, 1996 (3 species)

Family **Scolecophilidae** Baylis, 1943 (1 subfamily, 1 genus, 4 species)

Subfamily **Scolecophilinae** Baylis, 1943 * (1 genus, 4 species)

Tribe **Scolecophilini** Baylis, 1943 *

Subtribe **Scolecophilini** Baylis, 1943 *

Genus *Scolecophilus* Baylis & Daubney, 1922 (4 species)

Fossil taxon originally described as a nematode but now thought to be a seta of a larger organism⁵⁸³

Genus *Scorpiophagus* Stormer, 1963 (4 species)

Species *baculiformis* Stormer, 1963

Species *latus* Stormer, 1963

Endnotes

* nominotypical taxon not explicitly used by the author(s), and not used previously. I included to aid automated indexing.

Nominotypical taxa of lower rank than the original proposal which are not explicitly named in the original proposal of a name have only this identification. For example, a nominotypical subfamily automatically created under Article 36 of the ICZN but not explicitly named when a new family is created is designated as having the same author and date as that of the family, but in the text denoted by the additional mark “*”.

Nominotypical taxa of higher rank than the original proposal are explicitly identified by the additional identification “n. rank”. For example, a superfamily automatically created under Article 36 of the ICZN when a new family is created is designated as having the same author and date as that of the family, but in the text denoted by the addition of “n. rank” following the author name and date. When a name has been used explicitly previously at a different rank to the original proposal (either higher or lower, and including sub- or super-taxa), the author(s) first defining or using the name at the different taxonomic rank is cited in parentheses after the original author. Namea with no designation are the rank of the original proposal.

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583 See Balinski *et al.* (2013), and Poinar (2011). Other fossil taxa have sufficient information to place at least tentatively relative to other nematodes. Fossils are indicated by an endnote—after the genus name where there are no known species extant, and after the species name where there are extant species in the genus.

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Alphabetical list of valid genera, with authority, year of publication, number of valid species, family, order, and habitat.

Sp=number of species, M=marine, F=freshwater, T=Terrestrial. For trophic relationships, see Hodda (2021a).

Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Abathymermis</i>	Rubtsov	1971	6	Mermithidae	Mermithida		+	
<i>Abbreviata</i>	Travassos	1920	44	Physalopteridae	Spirurida		+	+
<i>Abelbolla</i>	Huang & Zhang	2004	7	Enchelidiidae	Oncholaimida	+		
<i>Abirovulva</i>	Hunt	2002	1	Carnoyidae	Rhigonematida			+
<i>Ablechroiulus</i>	Andrassy	1966	14	Ablechroiulidae	Rhabditida		+	+
<i>Aborjinia</i>	Ozdkmen	2010	1	Marimermithidae	Marimermithida	+		

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Abursanema</i>	Yaghoubi, Pourjam, Pedram, Siddiqi & Atighi	2014	4	Neotylenchidae	Panagrolaimida			+
<i>Acanthocheilonema</i>	Cobbold	1870	12	Onchocercidae	Spirurida	+		+
<i>Acanthocheilus</i>	Molin	1858	3	Anisakidae	Spirurida	+		
<i>Acantholaimus</i>	Allgen	1951	57	Chromadoridae	Chromadorida	+		
<i>Acanthomicrolaimus</i>	Stewart & Nicholas	1987	1	Microlaimidae	Desmodorida	+		
<i>Acanthonchus</i>	Cobb	1920	3	Cyatholaimidae	Chromadorida	+		
<i>Acanthopharynx</i>	Marion	1870	15	Desmodoridae	Desmodorida	+		
<i>Acanthophryngoides</i>	Chitwood	1936	6	Desmodoridae	Desmodorida	+		
<i>Acanthorhabdias</i>	Pereira	1927	1	Rhabdiasidae	Rhabditida			+
<i>Acanthostrongylus</i>	Travassos	1937	3	Trichostrongylidae	Rhabditida			+
<i>Acanthoxyurus</i>	Sandground	1928	8	Oxyuridae	Spirurida			+
<i>Acanthungella</i>	Ivanova & Hope	2004	1	Ungellidae	Drilonematida			+
<i>Acephalodorylaimus</i>	Ahmad & Jairajpuri	1982	1	Nordiidae	Dorylaimida			+
<i>Acheilostoma</i>	Leiper	1911	3	Ancylostomatidae	Rhabditida			+
<i>Achlysiella</i>	Hunt, Bridge & Machon	1989	7	Hoplolaimidae	Panagrolaimida			+
<i>Achromadora</i>	Cobb	1913	24	Achromadoridae	Chromadorida		+	+
<i>Ackertia</i>	Vaz	1934	4	Onchocercidae	Spirurida			+
<i>Acmaeolaimus</i>	Filipjev	1918	1	Diplopeltidae	Monhysterida	+		
<i>Acontylus</i>	Meagher	1968	1	Rotylenchulidae	Panagrolaimida			+
<i>Acrobeles</i>	Linstow	1877	30	Cephalobidae	Panagrolaimida			+
<i>Acrobelinema</i>	Khera	1968	1	Cephalobidae	Panagrolaimida			+
<i>Acrobeloides</i>	Cobb	1924	26	Cephalobidae	Panagrolaimida			+
<i>Acrobelophis</i>	Andrassy	1984	4	Cephalobidae	Panagrolaimida			+
<i>Acrolobus</i>	Bostrom	1986	1	Cephalobidae	Panagrolaimida			+
<i>Acromoldavicus</i>	Nesterov	1970	2	Elaphonematidae	Panagrolaimida			+
<i>Acronema</i>	Rubtsov	1978	1	Marimermithidae	Marimermithida	+		
<i>Acrostichus</i>	Rahm	1928	36	Diplogasteridae	Diplogasterida		+	
<i>Acroukrainicus</i>	Holovachov, Bostrom & Susulovsky	2001	1	Cephalobidae	Panagrolaimida			+
<i>Actinca</i>	Andrassy	1964	8	Actinolaimidae	Dorylaimida		+	+
<i>Actinolaimoides</i>	Meyl	1957	8	Nordiidae	Dorylaimida			+
<i>Actinolaimus</i>	Cobb	1913	10	Actinolaimidae	Dorylaimida		+	+
<i>Actinonema</i>	Cobb	1920	5	Chromadoridae	Chromadorida	+		
<i>Actus</i>	Baqri & Jairajpuri	1974	6	Mylonchulidae	Mononchida			+
<i>Acuarina</i>	Bremser	1811	56	Acuariidae	Spirurida			+
<i>Acugutturus</i>	Hunt	1980	1	Acugutturidae	Panagrolaimida			+
<i>Acunemella</i>	Andrassy	2002	1	Nordiidae	Dorylaimida			+
<i>Adelonema</i>	Mawson	1978	1	Oxyuridae	Spirurida			+
<i>Adelphos</i>	Ott	1997	1	Desmodoridae	Desmodorida	+		
<i>Adenodelphis</i>	Petter	1983	1	Benthimermithidae	Benthimermithida	+		
<i>Adenolaimus</i>	Andrassy	1973	6	Aulolaimoididae	Dorylaimida			+
<i>Adieronema</i>	Timm	1967	4	Drilonematidae	Drilonematida			+
<i>Admirandus</i>	Belogurov & Belagurova	1979	3	Oncholaimidae	Oncholaimida	+		

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Adoncholaimus</i>	Filipjev	1918	27	Oncholaimidae	Oncholaimida	+	+	
<i>Adungella</i>	Timm	1967	3	Ungellidae	Drilonematida			+
<i>Aegialoalaimus</i>	De-Man	1907	9	Aegialoalaimidae	Leptolaimida	+		
<i>Aelurostrongylus</i>	Cameron	1927	6	Metastrongylidae	Rhabditida			+
<i>Aenigmenchus</i>	De-Ley, Coomans & Geraert	1994	1	Tylopharyngidae	Diplogasterida			+
<i>Aequalodontium</i>	Smolanko & Belogurov	1993	1	Axonolaimidae	Monhysterida	+		
<i>Aetholaimus</i>	Jairajpuri	1965	5	Aetholaimidae	Dorylaimida		+	+
<i>Afenestrata</i>	Baldwin & Bell	1985	6	Heteroderidae	Panagrolaimida			+
<i>Afractinca</i>	Vinciguerra & Clausi	2000	5	Actinolaimidae	Dorylaimida		+	+
<i>Afractinolaimus</i>	Andrassy	1970	5	Actinolaimidae	Dorylaimida		+	+
<i>Africana</i>	Travassos	1920	8	Heterakidae	Spirurida			+
<i>Africanema</i>	Vincx & Furstenberg	1988	3	Tripyloididae	Tripyloidida	+		
<i>Africanthion</i>	Inglis	1964	1	Thoracostomopsidae	Enoplida	+		
<i>Afritylenchus</i>	Singbo, Ieden & Nesterov	1988	1	Hoplolaimidae	Panagrolaimida			+
<i>Afrocarnoya</i>	Hunt	1998	1	Carnoyidae	Rhigonematida			+
<i>Afrodorylaimus</i>	Andrassy	1964	7	Dorylaimidae	Dorylaimida		+	+
<i>Afronygus</i>	Heyns	1968	1	Nygolaimidae	Dorylaimida			+
<i>Agamascaris</i>	Steiner	1924	2	Anisakidae	Spirurida		+	+
<i>Agamermis</i>	Cobb, Steiner & Christie	1923	6	Mermithidae	Mermithida		+	+
<i>Agamofilaria</i>	Stiles	1907	2	Onchocercidae	Spirurida			+
<i>Agamomermis</i>	Stiles	1903	10	Mermithidae	Mermithida		+	+
<i>Agamospirura</i>	Henry & Sisoff	1913	10	Rhaphiothyreidae	Rhaphiothyreida	+	+	
<i>Agfa</i>	Chitwood	1935	3	Agfidae	Rhabditida			+
<i>Aglenchus</i>	Andrassy	1954	14	Tylenchidae	Panagrolaimida			+
<i>Agmodorus</i>	Thorne	1964	5	Leptonchidae	Dorylaimida			+
<i>Agriostomum</i>	Railliet	1902	5	Strongylidae	Rhabditida			+
<i>Akanthepsilonema</i>	Gourbault & Decraemer	1991	2	Epsilonematidae	Desmodorida	+		
<i>Akrotonus</i>	Thorne	1974	2	Aporcelaimidae	Dorylaimida			+
<i>Alaeuris</i>	Thapar	1925	38	Pharyngodonidae	Spirurida			+
<i>Alaimella</i>	Cobb	1920	2	Leptolaimidae	Leptolaimida	+		
<i>Alaimonema</i>	Cobb	1920	1	Desmodoridae	Desmodorida	+		
<i>Alaimus</i>	De-Man	1880	52	Alaimidae	Alaimida			+
<i>Alainchabaudia</i>	Mawson	1968	1	Hartertiidae	Spirurida			+
<i>Alaninema</i>	Theodorides	1957	1	Drilonematidae	Drilonematida			+
<i>Albiziaphelenchus</i>	Bajaj	2012	1	Aphelenchoididae	Panagrolaimida			+
<i>Algoanema</i>	Heyns & Furstenberg	1987	1	Chromadoridae	Chromadorida	+		
<i>Aliascaris</i>	Kalyankar	1971	2	Raphidascarididae	Spirurida	+		
<i>Alinema</i>	Rasheed	1963	1	Philometridae	Spirurida		+	+
<i>Alippistrongylus</i>	Celina-Digiani & Kinsella	2014	1	Trichostrongylidae	Rhabditida			+
<i>Alirhabditis</i>	Suryawanshi	1971	2	Alirhabditidae	Panagrolaimida			+
<i>Allantonema</i>	Leuckhart	1884	10	Allantonematidae	Panagrolaimida			+
<i>Allintoshius</i>	Chitwood	1937	8	Trichostrongylidae	Rhabditida			+

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Allodapa</i>	Diesing	1861	5	Subuluridae	Spirurida			+
<i>Allodiplogaster</i>	Paramonov & Sobolev in Skrjabin, Shikobalova, Sobolev, Paramonov & Sudarikov	1954	34	Diplogasteridae	Diplogasterida		+	+
<i>Allodorylaimus</i>	Andrassy	1986	27	Qudsianematidae	Dorylaimida			+
<i>Alloionema</i>	Schneider	1859	5	Alloionematidae	Panagrolaimida			+
<i>Allormermis</i>	Steiner	1924	3	Mermithidae	Mermithida			+
<i>Allotriconchodorus</i>	Rodriguez-M, Sher & Siddiqi	1978	6	Trichodoridae	Triplonchida			+
<i>Allotylenchus</i>	Andrassy	1984	1	Tylenchidae	Panagrolaimida			+
<i>Alocostoma</i>	Mawson	1979	2	Strongylidae	Rhabditida			+
<i>Amblydorylaimus</i>	Andrassy	1998	1	Qudsianematidae	Dorylaimida			+
<i>Amblydorylaimus</i>	Andrassy	1998	1	Aporcelaimidae	Dorylaimida			+
<i>Amblyonema</i>	Linstow	1898	1	Kathlaniidae	Spirurida	+		
<i>Amidostomoides</i>	Petrova	1987	15	Trichostrongylidae	Rhabditida		+	+
<i>Amidostomum</i>	Railliet & Henry	1909	7	Trichostrongylidae	Rhabditida		+	+
<i>Ammotheristus</i>	Lorenzen	1977	2	Xyalidae	Monhysterida	+		
<i>Amphibelondira</i>	Rahman, Jairajpuri, Ahmad & Ahmad	1987	5	Belondiridae	Dorylaimida		+	+
<i>Amphibiogoezia</i>	Ratnamala-Rao	1980	1	Anisakidae	Spirurida		+	+
<i>Amphibiormermis</i>	Artyukhovsky	1969	6	Mermithidae	Mermithida		+	
<i>Amphibiophilus</i>	Skryabin	1916	7	Trichostrongylidae	Rhabditida		+	+
<i>Amphicephaloides</i>	Beveridge	1979	1	Trichostrongylidae	Rhabditida			+
<i>Amphidelus</i>	Thorne	1939	20	Alaimidae	Alaimida			+
<i>Amphidormermis</i>	Filipjev	1934	1	Mermithidae	Mermithida		+	+
<i>Amphidorylaimus</i>	Andrassy	1960	3	Dorylaimidae	Dorylaimida			+
<i>Amphimermis</i>	Kaburaki & Imamura	1932	23	Mermithidae	Mermithida		+	+
<i>Amphimonhystera</i>	Allgen	1929	7	Xyalidae	Monhysterida	+		
<i>Amphimonhystrella</i>	Timm	1961	3	Xyalidae	Monhysterida	+		
<i>Amphisakis</i>	Chakravarty & Majumdar	1960	1	Ascarididae	Spirurida		+	
<i>Amphisbaenema</i>	Orton-Williams	1982	1	Criconematidae	Panagrolaimida			+
<i>Amphispira</i>	Cobb	1920	1	Desmodoridae	Desmodorida	+		
<i>Amplicaecum</i>	Baylis	1920	17	Ascarididae	Spirurida		+	+
<i>Amplimerlinius</i>	Siddiqi	1976	22	Telotylenchidae	Panagrolaimida			+
<i>Anadorella</i>	Siddiqi	2005	1	Dorylaimidae	Dorylaimida			+
<i>Anandranema</i>	Poinar, Ferro, Morales & Tesh	1993	1	Allantonematidae	Panagrolaimida			+
<i>Ananus</i>	Rubtsov	1977	1	Marimermithidae	Marimermithida	+		
<i>Anaplectus</i>	De-Coninck & Schuurmans-Stekhoven	1933	12	Plectidae	Plectida		+	+
<i>Anaspiculuris</i>	Akhtar	1955	1	Oxyuridae	Spirurida			+
<i>Anatonchus</i>	Cobb	1916	13	Anatonchidae	Mononchida		+	+
<i>Anatrichosoma</i>	Smith & Chitwood	1945	5	Anatrichosomatidae	Trichocephalida			+
<i>Anatrichosoma</i>	Smith & Chitwood	1945	5	Trichosomoididae	Trichocephalida			+
<i>Anchidiplogaster</i>	Paramonov	1952	1	Diplogasteridae	Diplogasterida		+	+

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Anchorbelondira</i>	Nair & Coomans	1971	1	Belondiridae	Dorylaimida			+
<i>Ancylostoma</i>	Dubini	1843	32	Ancylostomatidae	Rhabditida			+
<i>Ancyracanthopsis</i>	Diesing	1861	8	Acuariidae	Spirurida			+
<i>Ancyracanthus</i>	Diesing	1858	4	Gnathostomatidae	Spirurida	+		
<i>Andersonfilaria</i>	Bartlett & Bain	1987	2	Onchocercidae	Spirurida			+
<i>Andersonstrongylus</i>	Webster	1978	2	Metastrongylidae	Rhabditida			+
<i>Andrassya</i>	Brzeski	1960	2	Andrassyidae	Ironida			+
<i>Angiostoma</i>	Dujardin	1845	21	Angiostomatidae	Rhabditida			+
<i>Angiostrongylus</i>	Kamensky	1905	21	Metastrongylidae	Rhabditida			+
<i>Anguillicola</i>	Yamaguti	1935	1	Anguillicolidae	Spirurida	+	+	
<i>Anguillicoloides</i>	Moravec & Taraschewski	1988	4	Anguillicolidae	Spirurida	+	+	
<i>Anguillonema</i>	Fuchs	1938	4	Parasitylenchidae	Panagrolaimida			+
<i>Anguillula</i>	Mueller	1786	2	Panagrolaimidae	Panagrolaimida			+
<i>Anguina</i>	Scopoli	1777	13	Anguinidae	Panagrolaimida			+
<i>Anguinoides</i>	Chitwood	1936	7	Camacolaimidae	Plectida	+		
<i>Angulocirrus</i>	Biocca & Le-Roux	1957	1	Trichostrongylidae	Rhabditida			+
<i>Angusticaecum</i>	Baylis	1920	5	Ascarididae	Spirurida			+
<i>Angustinema</i>	Cobb	1933	1	Oxystominidae	Ironida	+		
<i>Anisakis</i>	Dujardin	1845	26	Anisakidae	Spirurida	+	+	
<i>Anivanema</i>	Platonova	1976	1	Leptosomatidae	Ironida	+		
<i>Anomalomermis</i>	Poinar, Walder & Uno	2015	4	Mermithidae	Mermithida		+	
<i>Anomalostoma</i>	Cordeira	1981	1	Hystriognathidae	Spirurida			+
<i>Anomonema</i>	Hopper	1963	1	Leptolaimidae	Leptolaimida	+		
<i>Anomyctus</i>	Allen	1940	1	Aphelenchoididae	Panagrolaimida			+
<i>Anoncholaimus</i>	Cobb	1920	1	Oncholaimidae	Oncholaimida	+		
<i>Anonchus</i>	Cobb	1913	10	Aphanolaimidae	Leptolaimida	+	+	
<i>Anoplostoma</i>	Buetschli	1874	23	Anoplostomatidae	Enoplida	+	+	
<i>Anoplostrongylus</i>	Boulenger	1926	2	Trichostrongylidae	Rhabditida			+
<i>Antarctenchus</i>	Spaull	1972	1	Psilenchidae	Panagrolaimida			+
<i>Antarcticonema</i>	Timm	1978	3	Meyliidae	Desmoscolecida	+		
<i>Antarctylus</i>	Sher	1973	1	Hoplolaimidae	Panagrolaimida			+
<i>Antechiniella</i>	Quentin & Beveridge	1986	4	Acuariidae	Spirurida			+
<i>Antechinostrongylus</i>	Spratt	1981	1	Metastrongylidae	Rhabditida			+
<i>Antholaimus</i>	Cobb	1913	8	Carcharolaimidae	Dorylaimida			+
<i>Anthonema</i>	Cobb	1906	1	Plectidae	Plectida			+
<i>Anticoma</i>	Bastian	1865	49	Anticomidae	Enoplida	+		
<i>Anticomopsis</i>	Micoletzky & Kreis	1930	4	Anticomidae	Enoplida	+		
<i>Anticyathus</i>	Cobb	1920	6	Linhomoeidae	Monhysterida	+		
<i>Anticyclus</i>	Cobb	1920	8	Linhomoeidae	Monhysterida	+		
<i>Antomicron</i>	Cobb	1920	6	Leptolaimidae	Leptolaimida	+		
<i>Antopus</i>	Cobb	1933	1	Anticomidae	Enoplida	+		
<i>Anuronema</i>	Clark	1978	1	Hystriognathidae	Spirurida			+
<i>Aonchotheca</i>	Lopez-Neyra	1947	60	Capillariidae	Trichocephalida			+
<i>Aorolaimus</i>	Sher	1963	7	Hoplolaimidae	Panagrolaimida			+
<i>Aoruroides</i>	Travassos & Klos	1958	7	Thelastomatidae	Spirurida			+

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<i>Aorurus</i>	Leidy	1849	4	Thelastomatidae	Spirurida			+
<i>Apenodraconema</i>	Allen & Noffsinger	1978	2	Draconematidae	Desmodorida	+		
<i>Aphanimermis</i>	Rubzov	1981	1	Mermithidae	Mermithida		+	
<i>Aphanolaimus</i>	De-Man	1880	38	Aphanolaimidae	Leptolaimida	+	+	+
<i>Aphanonchus</i>	Coomans & Raski	1991	8	Aphanolaimidae	Leptolaimida	+	+	
<i>Aphasmatylenchus</i>	Sher	1965	4	Hoplolaimidae	Panagrolaimida			+
<i>Aphelenchoides</i>	Fisher	1894	220	Aphelenchoididae	Panagrolaimida	+	+	+
<i>Aphelenchulus</i>	Cobb	1920	1	Allantonematidae	Panagrolaimida			+
<i>Aphelenchus</i>	Bastian	1865	29	Aphelenchidae	Panagrolaimida		+	+
<i>Apifilaria</i>	Poinar	2011	1	Diplogasteridae	Diplogasterida			+
<i>Aplectana</i>	Railliet & Henry	1916	65	Cosmocercidae	Spirurida		+	+
<i>Apodontium</i>	Cobb	1920	4	Axonolaimidae	Monhysterida	+		
<i>Apoleptonchus</i>	Siddiqi	1982	1	Leptonchidae	Dorylaimida			+
<i>Aponchium</i>	Cobb	1920	2	Aponchiidae	Desmodorida	+		
<i>Aponcholaimus</i>	Allgen	1957	1	Linhomoeidae	Monhysterida	+		
<i>Aponema</i>	Jensen	1978	9	Microlaimidae	Desmodorida	+		
<i>Aporcedorus</i>	Jairajpuri & Ahmad	1983	2	Aporcelaimidae	Dorylaimida			+
<i>Aporcelaimellus</i>	Heyns	1965	76	Aporcelaimidae	Dorylaimida	+	+	+
<i>Aporcelaimoides</i>	Heyns	1965	14	Aporcelaimidae	Dorylaimida			+
<i>Aporcelaimus</i>	Thorne & Swanger	1936	35	Aporcelaimidae	Dorylaimida	+	+	+
<i>Aporcelinus</i>	Andrassy	2009	41	Aporcelaimidae	Dorylaimida		+	+
<i>Aporcella</i>	Andrassy	2002	5	Aporcelaimidae	Dorylaimida			+
<i>Apratylenchoides</i>	Sher	1973	3	Hoplolaimidae	Panagrolaimida			+
<i>Aprocta</i>	Linstow	1883	39	Aproctidae	Spirurida			+
<i>Aproctella</i>	Cram	1931	13	Onchocercidae	Spirurida			+
<i>Aproctiana</i>	Skryabin	1934	4	Onchocercidae	Spirurida			+
<i>Aproctoides</i>	Chandler	1929	3	Onchocercidae	Spirurida			+
<i>Aproctonema</i>	Keilin	1917	3	Tetradonematidae	Mermithida		+	+
<i>Aprutides</i>	Scognamiglio, Talame & s'Jacob	1970	2	Seinuridae	Panagrolaimida			+
<i>Aquaemermis</i>	Rubtsov	1973	3	Mermithidae	Mermithida		+	
<i>Aquatides</i>	Heyns	1968	16	Nygolaimidae	Dorylaimida	+	+	
<i>Arabanema</i>	Turpeenniemi, Nasira & Maqbool	2001	1	Xyalidae	Monhysterida	+		
<i>Arachnomermis</i>	Rubtsov	1978	4	Mermithidae	Mermithida			+
<i>Araeolaimus</i>	De-Man	1888	34	Diplopeltidae	Monhysterida	+		
<i>Araguanema</i>	Ivanova & Hope	2004	3	Drilonematidae	Drilonematida			+
<i>Aranimermis</i>	Poinar & Benton	1986	3	Mermithidae	Mermithida			+
<i>Arboritynchus</i>	Reay	1991	1	Tylodoridae	Panagrolaimida			+
<i>Archeonema</i>	Ricci	1988	1	Oxyuridae	Spirurida			+
<i>Archeostrongylus</i>	Biocca & Ferretti	1958	1	Strongylidae	Rhabditida			+
<i>Archepsilonema</i>	Steiner	1927	8	Epsilonematidae	Desmodorida	+		
<i>Arctidorylaimus</i>	Mulvey & Anderson	1979	4	Dorylaimidae	Dorylaimida			+
<i>Arctiplectus</i>	Andrassy	2003	1	Plectidae	Plectida			+
<i>Arenasoma</i>	Yeates	1967	1	Tripyloididae	Tripyloidida	+		
<i>Arganema</i>	Siddiqi	2016	1	Leptonchidae	Dorylaimida			+

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<i>Arnfieldia</i>	Sarwar	1957	1	Trichostrongylidae	Rhabditida			+
<i>Aronema</i>	Fadeeva & Belogurov	1988	2	Enchelidiidae	Oncholaimida	+		
<i>Arthrocephalus</i>	Ortlepp	1925	1	Ancylostomatidae	Rhabditida			+
<i>Arthrostoma</i>	Cameron	1927	5	Ancylostomatidae	Rhabditida			+
<i>Artigasia</i>	Christie	1934	34	Hystriognathidae	Spirurida			+
<i>Arundelia</i>	Mawson	1977	1	Strongylidae	Rhabditida			+
<i>Asakawanema</i>	Durette-Desset & Digiani	2019	1	Trichostrongylidae	Rhabditida			+
<i>Ascaridia</i>	Dujardin	1845	37	Ascaridiidae	Spirurida			+
<i>Ascaris</i>	Linnaeus	1758	153	Ascarididae	Spirurida			+
<i>Ascarites</i>	Poinar & Boucot	2006	3	Ascarididae	Spirurida			+
<i>Ascarophis</i>	Van-Beneden	1871	47	Cystidicolidae	Spirurida	+	+	
<i>Ascarops</i>	Van-Beneden	1873	9	Spirocercidae	Spirurida			+
<i>Ascaroterakis</i>	Vicente	1965	1	Schneidernematidae	Spirurida			+
<i>Ascolaimus</i>	Ditlevsen	1919	3	Axonolaimidae	Monhysterida	+		
<i>Ashworthius</i>	Le-Roux	1930	9	Trichostrongylidae	Rhabditida			+
<i>Asperotobrilus</i>	Soshin	1991	3	Tobrilidae	Tripylida		+	
<i>Aspiculuris</i>	Schulz	1927	12	Heteroxynematidae	Spirurida			+
<i>Aspidodera</i>	Railliet & Henry	1912	9	Aspidoderidae	Spirurida			+
<i>Aspidonema</i>	Sachs	1949	7	Bunonematidae	Rhabditida		+	+
<i>Astomonema</i>	Ott, Rieger, Rieger & Enderes	1982	5	Siphonolaimidae	Monhysterida	+		
<i>Asymmetracantha</i>	Mawson	1960	1	Trichostrongylidae	Rhabditida			+
<i>Asymmetrella</i>	Cobb	1920	1	Oncholaimidae	Oncholaimida	+		
<i>Asymmelaimus</i>	Nguyen, Nguyen, Smol & Vanreusel	2008	2	Comesomatidae	Monhysterida	+		
<i>Atalodera</i>	Wouts & Sher	1971	13	Heteroderidae	Panagrolaimida			+
<i>Ataronema</i>	Hasegawa	2005	1	Pharyngodonidae	Spirurida		+	+
<i>Atetylenchus</i>	Khan	1973	6	Psilenchidae	Panagrolaimida			+
<i>Athernema</i>	Ahmad & Jairajpuri	1978	1	Leptonchidae	Dorylaimida			+
<i>Athusia</i>	Anwar & Jairajpuri	1976	2	Pharyngonematidae	Drilonematida			+
<i>Atlantadorus</i>	Siddiqi	1974	1	Trichodoridae	Triplonchida			+
<i>Atractis</i>	Dujardin	1945	17	Atractidae	Spirurida			+
<i>Atrochromadora</i>	Wieser	1959	5	Chromadoridae	Chromadorida	+		
<i>Atylenchus</i>	Cobb	1913	1	Atylenchidae	Panagrolaimida		+	+
<i>Auanema</i>	Kanzaki, Kiontke, Tanaka, Hirooka, Schwarz, Muller-Reichert, Chaudhuri & Pires-Da-Silva	2017	10	Rhabditidae	Rhabditida			+
<i>Auchenacantha</i>	Baylis	1929	2	Oxyuridae	Spirurida			+
<i>Aulacnema</i>	Van, Luc, Spiridonov & Wilson	2005	1	Angiostomatidae	Rhabditida			+
<i>Aulolaimoides</i>	Micoletzky	1915	6	Aulolaimoididae	Dorylaimida			+
<i>Aulolaimus</i>	De-Man	1880	26	Aulolaimidae	Mermithida			+
<i>Aulonocephalus</i>	Chandler	1935	1	Subuluridae	Spirurida			+
<i>Aulosphora</i>	Siddiqi	1980	11	Hemicycliophoridae	Panagrolaimida			+

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<i>Australodoris</i>	Coomans, Olmos, Casella & Chaves	2004	1	Longidoridae	Dorylaimida			+
<i>Austraplectana</i>	Baker	1981	1	Cosmocercidae	Spirurida		+	+
<i>Austromermis</i>	Poinar	1990	1	Mermithidae	Mermithida		+	
<i>Austronema</i>	Cobb	1914	1	Xyalidae	Monhysterida	+		
<i>Austrostrongylus</i>	Chandler	1924	13	Trichostrongylidae	Rhabditida			+
<i>Austroxyuris</i>	Johnson & Mawson	1938	1	Oxyuridae	Spirurida			+
<i>Avellaria</i>	Freitas & Lent	1934	2	Trichostrongylidae	Rhabditida			+
<i>Aviculariella</i>	Wehr	1931	4	Acuariidae	Spirurida			+
<i>Avifilaris</i>	Chapman Saunders	1955	2	Onchocercidae	Spirurida			+
<i>Avilandras</i>	Skryabin & Schikhobalova in Skryabin	1951	1	Oxyuridae	Spirurida			+
<i>Avioserpens</i>	Wehr & Chitwood	1934	4	Dracunculidae	Spirurida		+	+
<i>Axonchium</i>	Cobb	1920	39	Belondiridae	Dorylaimida			+
<i>Axonchoides</i>	Thorne	1967	1	Belondiridae	Dorylaimida			+
<i>Axonolaimus</i>	De-Man	1889	36	Axonolaimidae	Monhysterida	+	+	
<i>Baikalomermis</i>	Rubtzov	1976	1	Mermithidae	Mermithida		+	
<i>Bainechina</i>	Smales	1999	1	Seuratidae	Spirurida			+
<i>Bairdascaris</i>	Sprent	1982	1	Ascarididae	Spirurida			+
<i>Bakeria</i>	Moravec & Sey	1986	3	Trichostrongylidae	Rhabditida		+	+
<i>Bakernema</i>	Wu	1964	2	Criconematidae	Panagrolaimida			+
<i>Baladorylaimus</i>	Andrassy	2001	1	Dorylaimidae	Dorylaimida		+	
<i>Baldwinema</i>	Atighi, Pourjam, Bert, Pedram, Ghaemi & Panahandeh	2015	4	Panagrolaimidae	Panagrolaimida			+
<i>Bancroftinema</i>	Johnston & Mawson	1941	1	Spiruridae	Spirurida	+		+
<i>Baqriella</i>	Ahmad & Jairajpuri	1989	3	Qudsianematidae	Dorylaimida			+
<i>Barbonema</i>	Filipjev	1927	3	Leptosomatidae	Ironida	+		
<i>Barracudia</i>	Moravec & Shamsi	2017	4	Philometridae	Spirurida	+		
<i>Baruscapillaria</i>	Moravec	1982	36	Capillariidae	Trichocephalida			+
<i>Basilaphelenchus</i>	Pedram, Kanzaki, Giblin-Davis & Pourjam	2018	3	Tylaphelenchidae	Panagrolaimida			+
<i>Basirella</i>	Biswas & Chakravarty	1963	1	Hystriagnathidae	Spirurida			+
<i>Basiria</i>	Siddiqi	1959	55	Boleodoridae	Panagrolaimida			+
<i>Basirotyleptus</i>	Jairajpuri	1964	44	Leptonchidae	Dorylaimida			+
<i>Bastiana</i>	De-Man	1876	9	Bastianiidae	Tripylida		+	+
<i>Bathmostomum</i>	Railliet & Henry	1909	1	Ancylostomatidae	Rhabditida			+
<i>Bathychaetosoma</i>	Decraemer, Goubault & Backeljau	1997	1	Draconematidae	Desmodorida	+		
<i>Bathyepsilona</i>	Steiner	1927	26	Epsilonematidae	Desmodorida	+		
<i>Bathyeurystomina</i>	Lamshead & Platt	1979	4	Enchelidiidae	Oncholaimida	+		
<i>Bathylaimella</i>	Allgen	1930	1	Linhomoeidae	Monhysterida	+		
<i>Bathylaimus</i>	Cobb	1894	35	Tripyloididae	Tripyloidida	+		
<i>Bathymermis</i>	Daday	1911	5	Mermithidae	Mermithida		+	
<i>Bathynox</i>	Bussau & Vopel	1999	1	Microlaimidae	Desmodorida	+		

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<i>Bathyodontus</i>	Fielding	1950	3	Bathyodontidae	Bathyodontida			+
<i>Batracholandros</i>	Freitas & Ibañez	1965	4	Pharyngodonidae	Spirurida		+	
<i>Batrachonema</i>	Yuen	1965	2	Trichostrongylidae	Rhabditida		+	+
<i>Batrachostongylus</i>	Yuen	1963	1	Trichostrongylidae	Rhabditida		+	
<i>Baujardia</i>	Bert, Tandingan-De-Ley, Van-Driessche, Segers & De-Ley	2003	1	Panagrolaimidae	Panagrolaimida		+	+
<i>Bauruascaris</i>	Cardia, Bertini, Camossi & Letizio	2019	4	Ascarididae	Spirurida			+
<i>Baylisascaris</i>	Sprent	1968	14	Ascarididae	Spirurida			+
<i>Bealius</i>	Massey & Hinds	1970	4	Neotylenchidae	Panagrolaimida			+
<i>Beaninema</i>	Caspeta, Mandujano, Moravec & Salgado-Maldonado	2001	1	Rhabdochoniidae	Spirurida	+	+	
<i>Befilaria</i>	Chabaud, Anderson & Brygoo	1959	2	Onchocercidae	Spirurida			+
<i>Belaxellus</i>	Thorne	1974	1	Qudsianematidae	Dorylaimida			+
<i>Belbolla</i>	Andrassy	1973	12	Enchelidiidae	Oncholaimida	+		
<i>Belgopeltula</i>	Holovachov	2017	1	Diplopeltidae	Monhysterida	+		
<i>Bellodera</i>	Wouts	1985	1	Heteroderidae	Panagrolaimida			+
<i>Belondira</i>	Thorne	1939	47	Belondiridae	Dorylaimida			+
<i>Belondirella</i>	Thorne	1964	2	Belondiridae	Dorylaimida			+
<i>Belondonygolaimellus</i>	Hodda	2021	1	Belondiridae	Dorylaimida			+
<i>Belonolaimus</i>	Steiner	1949	5	Belonolaimidae	Panagrolaimida			+
<i>Bendiella</i>	Leduc	2013	6	Choanolaimidae	Selachinematida	+		
<i>Benthimermis</i>	Petter	1980	30	Benthimermithidae	Benthimermithida	+		
<i>Berntsenus</i>	Massey	1974	2	Berntsenidae	Panagrolaimida			+
<i>Bertzuckermania</i>	Khera	1970	1	Leptonchidae	Dorylaimida			+
<i>Betulodera</i>	Sturhan	2002	1	Heteroderidae	Panagrolaimida			+
<i>Beveridgea</i>	Mawson	1980	5	Strongylidae	Rhabditida			+
<i>Beveridgeiella</i>	Humphery Smith	1981	4	Trichostrongylidae	Rhabditida			+
<i>Bhalfilaria</i>	Bhalerao & Krishna Rao	1944	1	Filariidae	Spirurida			+
<i>Biacantha</i>	Wolfgang	1954	1	Trichostrongylidae	Rhabditida			+
<i>Biarmifer</i>	Weiser	1954	3	Cyatholaimidae	Chromadorida	+		
<i>Bicirronema</i>	Andrassy	1978	4	Bicirronematidae	Panagrolaimida			+
<i>Bidentostomum</i>	Tshoiho	1957	1	Strongylidae	Rhabditida			+
<i>Bidigiticauda</i>	Chitwood	1938	4	Trichostrongylidae	Rhabditida			+
<i>Biguetius</i>	Chabaud, Petter & Golvan	1961	1	Oxyuridae	Spirurida			+
<i>Bilobodera</i>	Sharma & Siddiqi	1992	2	Rotylenchulidae	Panagrolaimida			+
<i>Bilobostoma</i>	Jex, Schneider, Rose & Cribb	2005	1	Thelastomatidae	Spirurida			+
<i>Binema</i>	Travassos	1925	12	Travassosinematidae	Spirurida			+
<i>Biocastrostrongylus</i>	Chabaud & Petter	1961	1	Ancylostomatidae	Rhabditida			+
<i>Biogastranema</i>	Rohrbacher & Ehrenford	1954	1	Trichostrongylidae	Rhabditida			+
<i>Bisbalia</i>	Bain & Guerrero	2003	1	Onchocercidae	Spirurida			+

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<i>Bispiculum</i>	Zervos	1980	1	Tetradonematidae	Mermithida			+
<i>Bissonema</i>	Rubtsov	1978	1	Tetradonematidae	Mermithida		+	
<i>Bitylenchus</i>	Filipjev	1934	32	Telotylenchidae	Panagrolaimida			+
<i>Blaberinema</i>	Garcia & Coy	1998	1	Thelastomatidae	Spirurida			+
<i>Blandicephalanema</i>	Mehta & Raski	1971	5	Criconematidae	Panagrolaimida			+
<i>Blanusia</i>	Zapatero, Castano, Fernandez, Lopez, Martinez & Martin- Rueda	1991	1	Cosmocercidae	Spirurida			+
<i>Blatticola</i>	Schwenck	1926	11	Thelastomatidae	Spirurida			+
<i>Blattophila</i>	Cobb	1920	13	Thelastomatidae	Spirurida			+
<i>Blazionema</i>	Kloss	1966	1	Thelastomatidae	Spirurida			+
<i>Blepharomermis</i>	Poinar	1990	1	Mermithidae	Mermithida		+	
<i>Bodonema</i>	Jensen	1991	1	Bodonematidae	Monhysterida	+		
<i>Boehmiella</i>	Gebauer	1932	2	Trichostrongylidae	Rhabditida			+
<i>Bolbellia</i>	Gerlach & Riemann	1974	6	Enchelidiidae	Oncholaimida	+		
<i>Bolbinium</i>	Cobb	1920	1	Oxystominidae	Ironida	+		
<i>Bolbolaimus</i>	Cobb	1920	16	Microlaimidae	Desmodorida	+		
<i>Bolbonema</i>	Cobb	1920	11	Desmodoridae	Desmodorida	+		
<i>Boleodorus</i>	Thorne	1941	27	Boleodoridae	Panagrolaimida			+
<i>Bongersia</i>	Platonova	1988	1	Leptosomatidae	Ironida	+		
<i>Boomerangia</i>	Siddiqi	1994	2	Tylenchulidae	Panagrolaimida			+
<i>Boraceianema</i>	Travassos & Kloss	1958	1	Hystriognathidae	Spirurida			+
<i>Borania</i>	Ricci	1939	1	Strongylidae	Rhabditida			+
<i>Boreolaimus</i>	Andrassy	1998	7	Qudsianematidae	Dorylaimida			+
<i>Boreomicrolaimoides</i>	Allgen	1954	1	Cyatholaimidae	Chromadorida	+		
<i>Borrellostrongylus</i>	Gutierrez	1945	1	Trichostrongylidae	Rhabditida			+
<i>Bostrichodera</i>	Sandground	1938	1	Onchocercidae	Spirurida			+
<i>Boucherius</i>	Decraemer & Jensen	1982	1	Meyliidae	Desmoscolecida	+		
<i>Bourgelatia</i>	Railliet, Henry & Bauche	1919	1	Strongylidae	Rhabditida			+
<i>Bourgelatioides</i>	Chandler	1931	1	Strongylidae	Rhabditida			+
<i>Bovienema</i>	Nickle	1963	5	Allantonematidae	Panagrolaimida			+
<i>Boydinema</i>	Barus & Tenora	1972	1	Strongylidae	Rhabditida			+
<i>Brachonchulus</i>	Andrassy	1958	1	Mylonchulidae	Mononchida			+
<i>Brachyclonus</i>	Railliet & Henry	1910	1	Ancylostomatidae	Rhabditida			+
<i>Brachydorus</i>	De-Guiran & Germani	1968	3	Dolichodoridae	Panagrolaimida			+
<i>Bradybucca</i>	Schuermans-Stekhoven	1956	1	Oncholaimidae	Oncholaimida	+		
<i>Bradylaimus</i>	Stekhoven	1931	1	Desmodoridae	Desmodorida	+		
<i>Bradynema</i>	Zur-Strassen	1892	8	Allantonematidae	Panagrolaimida			+
<i>Bradypostrongylus</i>	Price	1928	2	Trichostrongylidae	Rhabditida			+
<i>Brasilaimus</i>	Lordello & Zamith	1957	7	Actinolaimidae	Dorylaimida		+	+
<i>Brasilnema</i>	Moravec, Kohn & Fernandes	1992	1	Pharyngodonidae	Spirurida		+	
<i>Breinlia</i>	Yorke & Maplestone	1926	22	Onchocercidae	Spirurida			+
<i>Brevibucca</i>	Goodey	1935	3	Brevibuccidae	Rhabditida			+

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<i>Brevigraphidium</i>	Teixeira-De-Freitas & Machado-De-Mendonca	1960	1	Trichostrongylidae	Rhabditida			+
<i>Brevinema</i>	Rubtsov	1978	1	Tetradonematidae	Mermithida		+	
<i>Brevistriata</i>	Travassos	1937	5	Trichostrongylidae	Rhabditida			+
<i>Brevithominx</i>	Travassos, Teixeira-De-Freitas & Machado-De-Mendonca	1964	1	Trichinellidae	Trichocephalida			+
<i>Brittonema</i>	Thorne	1967	3	Actinolaimidae	Dorylaimida		+	+
<i>Bronchonema</i>	Moennig	1932	1	Metastrongylidae	Rhabditida			+
<i>Brugia</i>	Buckley	1960	10	Onchocercidae	Spirurida			+
<i>Brumptaemilius</i>	Dollfus	1952	13	Carnoyidae	Rhigonematida			+
<i>Brygoonema</i>	Durette-Desset & Chabaud	1981	10	Trichostrongylidae	Rhabditida			+
<i>Buccolaimus</i>	Allgen	1960	1	Sphaerolaimidae	Monhysterida	+		
<i>Buckleyattractis</i>	Khalil & Gibbons	1988	1	Atractidae	Spirurida		+	
<i>Buckleyella</i>	Rasheed	1963	4	Philometridae	Spirurida	+	+	
<i>Buckleynema</i>	Ali & Singh	1954	7	Quimperidae	Spirurida		+	
<i>Buetschlinema</i>	Sudhaus	2011	5	Cruzematidae	Rhabditida			+
<i>Bufoerakis</i>	Baker	1980	2	Heterakidae	Spirurida		+	+
<i>Bullaenema</i>	Sauer	1968	1	Mydonomidae	Dorylaimida			+
<i>Bunomystrongylus</i>	Hasegawa & Mangali	1996	4	Trichostrongylidae	Rhabditida			+
<i>Bunonema</i>	Jaegerskiöld	1905	19	Bunonematidae	Rhabditida		+	+
<i>Bunostomum</i>	Railliet	1902	8	Ancylostomatidae	Rhabditida			+
<i>Burmanema</i>	Timm	1967	1	Drilonematidae	Drilonematida			+
<i>Bursadera</i>	Ivanova & Krall	1985	1	Meloidogynidae	Panagrolaimida			+
<i>Bursaphelenchus</i>	Fuchs	1937	174	Parasitaphelenchidae	Panagrolaimida			+
<i>Bursilla</i>	Andrassy	1976	8	Mesorhabditidae	Rhabditida			+
<i>Butlerius</i>	Goodey	1929	17	Pseudodiplogasteroididae	Diplogasterida		+	+
<i>Buzionema</i>	Kloss	1966	1	Hystriognathidae	Spirurida			+
<i>Caballeronema</i>	Margolis	1977	2	Cystidicolidae	Spirurida	+		
<i>Caballonema</i>	Abuladze	1937	1	Strongylidae	Rhabditida			+
<i>Cacolaimus</i>	Kreis	1932	1	Oncholaimidae	Oncholaimida	+		
<i>Cacopaurus</i>	Thorne	1943	1	Paratylenchidae	Panagrolaimida			+
<i>Cactodera</i>	Krall & Krall	1978	20	Heteroderidae	Panagrolaimida	+		+
<i>Caenorhabditis</i>	Osche	1952	56	Diploscapteridae	Rhabditida			+
<i>Caenostromylus</i>	Lent & Freitas	1938	1	Trichostrongylidae	Rhabditida			+
<i>Cagourakis</i>	Petter, Chermette & Vassart	1989	1	Heterakidae	Spirurida			+
<i>Calcaridorylaimus</i>	Andrassy	1986	10	Dorylaimidae	Dorylaimida			+
<i>Californidorus</i>	Robbins & Weiner	1978	4	Nordiidae	Dorylaimida			+
<i>Caligocanna</i>	Bussau & Vopel	1999	1	Microlaimidae	Desmodorida	+		
<i>Calligyus</i>	Lorenzen	1969	2	Desmoscolecidae	Desmoscolecida	+		
<i>Callistoura</i>	Chabaud & Petter	1958	1	Pharyngodonidae	Spirurida			+
<i>Calolaimus</i>	Timm	1964	8	Mydonomidae	Dorylaimida			+
<i>Calomicrolaimus</i>	Lorenzen	1976	1	Microlaimidae	Desmodorida	+		
<i>Caloosia</i>	Siddiqi & Goodey	1963	11	Hemicycliophoridae	Panagrolaimida			+
<i>Calvigula</i>	Siddiqi	1995	1	Tylencholaimidae	Dorylaimida			+

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<i>Calypsostrongylus</i>	Schmidt in Schmidt, Myers & Kuntz	1967	3	Trichostrongylidae	Rhabditida			+
<i>Calytronema</i>	Marion	1870	19	Enchelidiidae	Oncholaimida	+		
<i>Camallanides</i>	Baylis & Daubney	1922	13	Camallanidae	Spirurida			+
<i>Camallanus</i>	Railliet & Henry	1915	124	Camallanidae	Spirurida	+	+	+
<i>Camelodera</i>	Krall, Shagalina & Ivanova	1988	1	Heteroderidae	Panagrolaimida			+
<i>Camelostrongylus</i>	Orloff	1933	20	Trichostrongylidae	Rhabditida			+
<i>Cameronecator</i>	Lichtenfels	1980	1	Ancylostomatidae	Rhabditida			+
<i>Cameronia</i>	Basir	1948	14	Thelastomatidae	Spirurida			+
<i>Campanarougetia</i>	Le-Van-Hoa & Pham-Ngoc-Khue	1967	2	Cucullanidae	Spirurida		+	
<i>Campbellenchus</i>	Wouts	1978	2	Tylodoridae	Panagrolaimida			+
<i>Camponotimermis</i>	Pimenova & Muchamedzjanova in Ipatjeva, Pimenova & Mukhamedzyanova	1980	1	Mermithidae	Mermithida			+
<i>Campydora</i>	Cobb	1920	1	Campydoridae	Ironida			+
<i>Campydoroides</i>	Holovachov	2019	1	Campydoridae	Ironida			+
<i>Campylaimus</i>	Cobb	1920	29	Diplopeltidae	Monhysterida	+		
<i>Capillaria</i>	Zeder	1800	168	Capillariidae	Trichocephalida	+	+	+
<i>Capillostrongyloides</i>	Freitas & Lent	1935	9	Trichuridae	Trichocephalida	+		
<i>Capilonchus</i>	Siddiqi	1982	2	Tylencholaimidae	Dorylaimida			+
<i>Capitomerms</i>	Rubzov	1968	7	Mermithidae	Mermithida		+	
<i>Caprionchulus</i>	Swart & Heyns	1993	1	Onchulidae	Tripylida		+	
<i>Captivonema</i>	Manun, Bose, Sayer & Bostrom	1994	2	Desmoscolecidae	Desmoscolecida		+	
<i>Caputonchus</i>	Siddiqi	1984	1	Iotonchidae	Mononchida			+
<i>Carabonema</i>	Stammer & Wachek	1952	1	Carabonematidae	Diplogasterida			+
<i>Carcharolaimus</i>	Thorne	1967	11	Carcharolaimidae	Dorylaimida			+
<i>Cardianema</i>	Alicata	1933	1	Onchocercidae	Spirurida			+
<i>Cardiofilaria</i>	Strom	1937	9	Onchocercidae	Spirurida			+
<i>Cardiostrongylus</i>	Sakamoto & Malgor	1995	1	Metastrongylidae	Rhabditida			+
<i>Caribenema</i>	Thorne	1967	5	Carcharolaimidae	Dorylaimida			+
<i>Caribplectus</i>	Andrassy	1973	1	Chronogasteridae	Plectida	+		
<i>Carinoscapter</i>	Siddiqi	1998	1	Diploscapteridae	Rhabditida			+
<i>Carlosia</i>	Travassos & Kloss	1957	1	Hystriognathidae	Spirurida			+
<i>Carnoya</i>	Gilson	1898	30	Carnoyidae	Rhigonematida			+
<i>Carnoychaeta</i>	Garcia Coy & Alvarez	1995	1	Carnoyidae	Rhigonematida			+
<i>Carolinensis</i>	Travassos	1937	7	Trichostrongylidae	Rhabditida			+
<i>Caroloxuris</i>	Jimenez-Ruiz & Gardner	2003	1	Oxyuridae	Spirurida			+
<i>Carostrongylus</i>	Durette-Desset & Vaucher	1989	1	Trichostrongylidae	Rhabditida			+
<i>Carphodorus</i>	Colbran	1965	1	Belonolaimidae	Panagrolaimida			+
<i>Caryboca</i>	Lordello	1967	4	Carcharolaimidae	Dorylaimida			+
<i>Cascofilaria</i>	Poinar	2011	6	Filariidae	Spirurida			+
<i>Cassunema</i>	Beveridge & Johnson	1981	1	Strongylidae	Rhabditida			+

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<i>Castorstrongylus</i>	Chapin	1925	1	Strongylidae	Rhabditida			+
<i>Catanema</i>	Cobb	1920	4	Desmodoridae	Desmodorida	+		
<i>Catoralaimellus</i>	Siddiqi	2002	1	Cephalobidae	Panagrolaimida			+
<i>Cattiena</i>	Hunt & Spiridonov	2001	2	Carnoyidae	Rhigonematida			+
<i>Caveonchus</i>	Siddiqi	1982	5	Leptonchidae	Dorylaimida			+
<i>Caviputa</i>	Siddiqi	1993	10	Alaimidae	Alaimida			+
<i>Cenolaimus</i>	Cobb	1933	2	Xyalidae	Monhysterida	+		
<i>Cephalanticoma</i>	Platonova	1976	1	Anticomidae	Enoplida	+		
<i>Cephalenchus</i>	Goodey	1962	20	Tylodoridae	Panagrolaimida			+
<i>Cephalobellus</i>	Cobb	1920	34	Thelastomatidae	Spirurida		+	+
<i>Cephalobium</i>	Cobb	1920	13	Cephalobiidae	Diplogasterida			+
<i>Cephaloboides</i>	Sudhaus	1980	12	Rhabditidae	Rhabditida			+
<i>Cephalobus</i>	Bastian	1865	30	Cephalobidae	Panagrolaimida			+
<i>Cephalochaetosoma</i>	Kito	1983	1	Draconematidae	Desmodorida	+		
<i>Cephalodorylaimus</i>	Jairajpuri	1967	2	Nordiidae	Dorylaimida			+
<i>Cephaluris</i>	Akhtar	1947	7	Heteroxynematidae	Spirurida			+
<i>Ceramonema</i>	Cobb	1920	21	Ceramonematidae	Leptolaimida	+		
<i>Ceratormis</i>	Rubtsov	1978	1	Mermithidae	Mermithida		+	
<i>Ceratoplectus</i>	Andrassy	1984	6	Plectidae	Plectida		+	+
<i>Ceratosolenus</i>	Rajeswari-Anand	2005	2	Diplogasteridae	Diplogasterida			+
<i>Ceratospira</i>	Schneider	1866	4	Thelaziidae	Spirurida			+
<i>Cercogylus</i>	Petter & Brochier	1989	1	Metastrongylidae	Rhabditida			+
<i>Cercopithifilaria</i>	Eberhard	1980	25	Onchocercidae	Spirurida			+
<i>Cervidellus</i>	Thorne	1937	16	Cephalobidae	Panagrolaimida			+
<i>Cervoannulatus</i>	Bajaj	1998	1	Tylenchidae	Panagrolaimida			+
<i>Cervonema</i>	Wieser	1954	20	Comesomatidae	Monhysterida	+		
<i>Cervonemella</i>	Beveridge	2001	1	Strongylidae	Rhabditida			+
<i>Chabaudechina</i>	Smales	1999	2	Seuratidae	Spirurida			+
<i>Chabaudiella</i>	Diaz-Ungria	1963	1	Diplotrienidae	Spirurida			+
<i>Chabaudstrongylus</i>	Kontrimavichus & Delyamure	1979	3	Metastrongylidae	Rhabditida			+
<i>Chabaudstrongylus</i>	Durette-Desset & Denke	1978	2	Trichostrongylidae	Rhabditida			+
<i>Chabertia</i>	Railliet & Henry	1909	7	Strongylidae	Rhabditida			+
<i>Chabertiella</i>	Tadros	1964	1	Strongylidae	Rhabditida			+
<i>Chabfilaria</i>	Bain, Dedet & Purnom	1983	2	Onchocercidae	Spirurida			+
<i>Chabirenina</i>	Lhermitte, Vallarino, Bain, Deharo, Bertani, Voza, Attout & Gaucher	2005	1	Rhabdiasidae	Rhabditida			+
<i>Chaetonema</i>	Filipjev	1927	6	Anoplostomatidae	Enoplida	+		
<i>Chalcidonema</i>	Poinar	2011	1	Parasitaphelenchidae	Panagrolaimida			+
<i>Chambersiella</i>	Cobb	1920	1	Chambersiellidae	Diplogasterida			+
<i>Chandlerella</i>	Yorke & Maplestone	1926	25	Onchocercidae	Spirurida			+
<i>Chandleronema</i>	Little & Ali	1980	1	Acuariidae	Spirurida			+
<i>Chapiniella</i>	Yamaguti	1961	4	Strongylidae	Rhabditida			+
<i>Cheilobus</i>	Cobb	1924	1	Alloionematidae	Panagrolaimida			+

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<i>Cheilonematodum</i>	Johnston & Mawson	1941	1	Habronematidae	Spirurida			+
<i>Cheilospirura</i>	Diesing	1861	12	Acuariidae	Spirurida			+
<i>Cheironchus</i>	Cobb	1917	8	Selachinematidae	Selachinematida	+		
<i>Cheiropteronea</i>	Sandground	1929	1	Trichostrongylidae	Rhabditida			+
<i>Cheloniheterakis</i>	Yamaguti	1961	1	Aspidoderidae	Spirurida			+
<i>Cherylia</i>	Bain, Petit, Jacquet, Viallet & Houin	1985	1	Onchocercidae	Spirurida			+
<i>Chevreuxia</i>	Seurat	1918	5	Acuariidae	Spirurida			+
<i>Chilenchus</i>	Siddiqi	2000	1	Ecpthyadophoridae	Panagrolaimida			+
<i>Chilonema</i>	Poinar	2011	1	Diplogasteridae	Diplogasterida			+
<i>Chiloplacoides</i>	Heyns	1994	1	Cephalobidae	Panagrolaimida			+
<i>Chiloplacus</i>	Thorne	1937	33	Cephalobidae	Panagrolaimida			+
<i>Chiropterofilaria</i>	Yeh, Symes & Mataika	1958	1	Onchocercidae	Spirurida			+
<i>Chisholmia</i>	Durette-Desset & Digiani	2015	4	Trichostrongylidae	Rhabditida			+
<i>Chitinotylenchus</i>	Micoletzky	1922	5	Anguinidae	Panagrolaimida			+
<i>Chitwoodchabaudia</i>	Puylaert	1970	1	Chitwoodchabaudiidae	Spirurida		+	+
<i>Chitwoodia</i>	Gerlach	1956	2	Tubolaimoididae	Leptolaimida	+		
<i>Chitwoodiella</i>	Basir	1948	8	Travassosinematidae	Spirurida			+
<i>Chitwoodiellus</i>	Jimenez-Guirado & Pena-Santiago	1992	5	Tylencholaimidae	Dorylaimida			+
<i>Chitwoodieloides</i>	Ahmad & Araki	2003	3	Tylencholaimidae	Dorylaimida			+
<i>Chitwoodius</i>	Furstenburg & Heys	1966	15	Tylencholaimidae	Dorylaimida			+
<i>Chitwoodspirura</i>	Chabaud & Rousselot	1956	1	Habronematidae	Spirurida			+
<i>Chlamydopecta</i>	Chandler	1954	1	Spiruridae	Spirurida			+
<i>Chloronemella</i>	Allgen	1929	1	Linhomoeidae	Monhysterida	+		
<i>Choanolaimus</i>	De-Man	1880	1	Choanolaimidae	Selachinematida	+		
<i>Chondronema</i>	Christie & Chitwood	1931	1	Capillariidae	Trichocephalida			+
<i>Choniangium</i>	Railliet, Henry & Bauche	1914	3	Strongylidae	Rhabditida			+
<i>Choniolaimus</i>	Ditlevsen	1919	5	Choniolaimidae	Selachinematida	+		
<i>Chordatortilis</i>	Mendonca & Rodrigues	1965	1	Acuariidae	Spirurida			+
<i>Chordocephalus</i>	Alegret	1941	5	Acuariidae	Spirurida			+
<i>Choriorhabditis</i>	Osche	1952	4	Choriorhabditidae	Rhabditida			+
<i>Christiella</i>	Travassos & Kloss	1957	3	Hystriognathidae	Spirurida			+
<i>Chromadora</i>	Bastian	1865	29	Chromadoridae	Chromadorida	+		
<i>Chromadorella</i>	Filipjev	1918	14	Chromadoridae	Chromadorida	+		
<i>Chromadorina</i>	Filipjev	1918	27	Chromadoridae	Chromadorida	+	+	
<i>Chromadorissa</i>	Filipjev	1918	3	Chromadoridae	Chromadorida	+		
<i>Chromadorita</i>	Filipjev	1922	38	Chromadoridae	Chromadorida	+	+	
<i>Chromadoropsis</i>	Filipjev	1918	5	Desmodoridae	Desmodorida	+		
<i>Chromaspirina</i>	Filipjev	1918	27	Desmodoridae	Desmodorida	+		
<i>Chronogaster</i>	Cobb	1913	43	Chronogasteridae	Plectida	+	+	+
<i>Chrysolimermis</i>	Rubtsov & Salmanov	1979	1	Mermithidae	Mermithida			+
<i>Chrysonema</i>	Thorne	1929	10	Qudsianematidae	Dorylaimida			+
<i>Cienfuegia</i>	Armenteros, Vincx & Decraemer	2009	1	Xyalidae	Monhysterida	+		

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<i>Cinctonema</i>	Cobb	1920	3	Microlaimidae	Desmodorida	+		
<i>Cissophyllus</i>	Railliet & Henry	1912	4	Kathlaniidae	Spirurida			+
<i>Citellina</i>	Prenzel	1928	11	Oxyuridae	Spirurida			+
<i>Citellinema</i>	Hall	1916	7	Trichostrongylidae	Rhabditida			+
<i>Citellinoides</i>	Dikmans	1939	1	Trichostrongylidae	Rhabditida			+
<i>Cithariniella</i>	Khalil	1964	4	Pharyngodonidae	Spirurida		+	
<i>Cladocephalus</i>	Swart & Heyns	1991	1	Aulolaimoididae	Dorylaimida			+
<i>Clarkus</i>	Jairajpuri	1970	12	Mononchidae	Mononchida		+	+
<i>Clavicauda</i>	Heyns	1968	4	Nygolaimidae	Dorylaimida		+	+
<i>Clavicuadoides</i>	Heyns	1968	11	Nygolaimidae	Dorylaimida		+	+
<i>Clavinema</i>	Yamaguti	1935	3	Philometridae	Spirurida	+		
<i>Clementeia</i>	Artigas	1930	3	Ransomnematidae	Rhigonematida			+
<i>Cloacina</i>	Linstow	1898	159	Strongylidae	Rhabditida			+
<i>Cnizostrongylus</i>	Chabaud, Durette-Desset & Houin	1967	1	Trichostrongylidae	Rhabditida			+
<i>Coarctadera</i>	Dougherty	1953	9	Peloderidae	Rhabditida			+
<i>Cobbia</i>	De-Man	1907	13	Xyalidae	Monhysterida	+		
<i>Cobbionema</i>	Filipjev	1922	5	Choanolaimidae	Selachinematida	+		
<i>Cobboldina</i>	Leiper	1911	3	Atractidae	Spirurida		+	+
<i>Cobbonchulus</i>	Andrassy	2009	1	Cobbonchidae	Mononchida			+
<i>Cobbonchus</i>	Andrassy	1958	32	Cobbonchidae	Mononchida		+	+
<i>Codistomum</i>	Railliet & Henry	1911	1	Strongylidae	Rhabditida			+
<i>Colbranium</i>	Andrassy	1979	1	Hemicycliophoridae	Panagrolaimida			+
<i>Colobostrongylus</i>	Sandground	1929	2	Strongylidae	Rhabditida			+
<i>Colporhabditis</i>	Andrassy	1976	1	Rhabditidae	Rhabditida			+
<i>Columbostrongylus</i>	Puyleart	1968	1	Trichostrongylidae	Rhabditida			+
<i>Comephoronema</i>	Layman	1933	7	Cystidicolidae	Spirurida	+	+	
<i>Comesa</i>	Gerlach	1956	11	Neotonchidae	Chromadorida	+		
<i>Comesoma</i>	Bastian	1865	13	Comesomatidae	Monhysterida	+		
<i>Comesomoides</i>	Gourbault	1980	1	Comesomatidae	Monhysterida	+		
<i>Congerinema</i>	Moravec, Nagasawa, Nitta & Tawa	2019	1	Philometridae	Spirurida	+		
<i>Conilia</i>	Gerlach	1954	4	Ironidae	Ironida	+		
<i>Coninckia</i>	Gerlach	1956	5	Coninckidae	Monhysterida	+		
<i>Conspiculum</i>	Pandit, Pandit & Iyer	1929	3	Onchocercidae	Spirurida			+
<i>Contortylenchus</i>	Ruehm	1956	20	Allantonematidae	Panagrolaimida			+
<i>Contraecaeum</i>	Railliet & Henry	1912	108	Anisakidae	Spirurida	+	+	+
<i>Coomansinema</i>	Ahmad & Jairajpuri	1989	13	Dorylaimidae	Dorylaimida			+
<i>Coomansus</i>	Jairajpuri & Khan	1977	21	Mononchidae	Mononchida		+	+
<i>Cooperia</i>	Ransom	1907	33	Trichostrongylidae	Rhabditida			+
<i>Copalonema</i>	Poinar	2011	1	Tylencholaimidae	Panagrolaimida			+
<i>Copemania</i>	Durette-Desset & Beveridge	1981	1	Trichostrongylidae	Rhabditida			+
<i>Coprotylenchus</i>	Akopova	1997	1	Neotylenchidae	Panagrolaimida			+
<i>Cordicauda</i>	Durette-Desset	1971	12	Trichostrongylidae	Rhabditida			+
<i>Cordonicola</i>	Ali & Farooqui	1969	2	Thelastomatidae	Spirurida			+

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<i>Corethrellonema</i>	Nickle	1969	1	Tetradonematidae	Mermithida		+	
<i>Cornilaimus</i>	Truskova & Eroshenko	1977	1	Chambersiellidae	Diplogasterida			+
<i>Cornurella</i>	Da-Silva, Rodrigues-Da-Silva, Esteves & Decraemer	2018	1	Desmodoridae	Desmodorida	+		
<i>Corollonema</i>	Beveridge & Chilton	1998	1	Strongylidae	Rhabditida			+
<i>Corollostrongylus</i>	Beveridge	1978	1	Strongylidae	Rhabditida			+
<i>Coronocephalus</i>	Cordeira	1981	2	Hystriognathidae	Spirurida			+
<i>Coronocyclus</i>	Hartwich	1986	6	Strongylidae	Rhabditida			+
<i>Corononema</i>	Nicholas & Stewart	1995	2	Xyalidae	Monhysterida	+		
<i>Coronostoma</i>	Rao	1958	8	Thelastomatidae	Spirurida			+
<i>Coronostrongylus</i>	Johnston & Mawson	1939	9	Strongylidae	Rhabditida			+
<i>Corpircacens</i>	Jex, Schneider, Rose & Cribb	2006	1	Thelastomatidae	Spirurida			+
<i>Corydiella</i>	Rao & Rao	1965	2	Thelastomatidae	Spirurida			+
<i>Corythostoma</i>	Wieser	1956	3	Leptosomatidae	Ironida	+		
<i>Cosalaimus</i>	Siddiqi	1993	6	Alaimidae	Alaimida			+
<i>Coslenchus</i>	Siddiqi	1978	40	Tylenchidae	Panagrolaimida			+
<i>Cosmocephalus</i>	Molin	1858	10	Acuariidae	Spirurida			+
<i>Cosmocerca</i>	Diesing	1861	40	Cosmocercidae	Spirurida		+	+
<i>Cosmocercella</i>	Steiner	1924	10	Cosmocercidae	Spirurida		+	+
<i>Cosmocercoides</i>	Wilkie	1930	28	Cosmocercidae	Spirurida		+	+
<i>Cosmostrongylus</i>	Spratt	1984	1	Metastrongylidae	Rhabditida			+
<i>Cosmoxyinema</i>	Travassos	1949	1	Pharyngodonidae	Spirurida		+	
<i>Cosmoxyinemoides</i>	Travassos	1949	3	Pharyngodonidae	Spirurida		+	
<i>Costanemella</i>	Andrassy	2001	1	Diplogasteridae	Diplogasterida			+
<i>Courduriella</i>	Chabaud, Brygoo & Petter	1961	1	Onchocercidae	Spirurida			+
<i>Cranifera</i>	Kloss	1960	2	Thelastomatidae	Spirurida			+
<i>Craspedonema</i>	Richters	1908	3	Bunonematidae	Rhabditida			+
<i>Crassibucca</i>	Mulvey & Jensen	1967	4	Anatonchidae	Mononchida			+
<i>Crassicauda</i>	Leiper & Atkinson	1914	12	Tetrameridae	Spirurida	+		
<i>Crassinema</i>	Rubtsov	1978	1	Tetradonematidae	Mermithida		+	
<i>Crassogula</i>	Andrassy	1991	1	Qudsianematidae	Dorylaimida			+
<i>Crassolabium</i>	Yeates	1967	5	Qudsianematidae	Dorylaimida			+
<i>Crassolaimus</i>	Kreis	1929	2	Microlaimidae	Desmodorida	+		
<i>Crassonchus</i>	Siddiqi	2015	12	Anatonchidae	Mononchida			+
<i>Crateronema</i>	Siddiqi	1969	2	Qudsianematidae	Dorylaimida			+
<i>Craterostomum</i>	Boulenger	1920	2	Strongylidae	Rhabditida			+
<i>Creagrocercus</i>	Baylis	1943	1	Creagrocercidae	Drilonematida			+
<i>Crenatobronema</i>	Solovjeva	1987	1	Cystidicolidae	Spirurida	+		
<i>Crenopharynx</i>	Filipjev	1934	11	Phanodermatidae	Enoplida	+		
<i>Crenosoma</i>	Molin	1861	16	Metastrongylidae	Rhabditida			+
<i>Crestanema</i>	Pastor-De-Ward	1985	1	Chromadoridae	Chromadorida	+		
<i>Crestonchulus</i>	Siddiqi & Jairajpuri	2002	1	Mylonchulidae	Mononchida			+
<i>Cretaciaphelenchoides</i>	Poinar	2011	1	Aphelenchoididae	Panarolaimida			+

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<i>Cretacimermis</i>	Poinar, Acra & Acra	1994	5	Mermithidae	Mermithida			+
<i>Cretodiplogaster</i>	Poinar	2011	1	Diplogasteridae	Diplogasterida			+
<i>Cribronema</i>	Siddiqi	1993	3	Cephalobidae	Panagrolaimida			+
<i>Cricodorylaimus</i>	Ahmad & Sturhan	2001	1	Qudsianematidae	Dorylaimida			+
<i>Cricolaimus</i>	Southern	1914	2	Leptolaimidae	Leptolaimida	+		
<i>Criconema</i>	Hofmaenner & Menzel	1914	106	Criconematidae	Panagrolaimida			+
<i>Criconemoides</i>	Taylor	1936	45	Criconematidae	Panagrolaimida	+		+
<i>Criptonchus</i>	Cobb	1913	1	Ironidae	Ironida			+
<i>Cristamphidelus</i>	Siddiqi & Vinciguerra	1991	8	Alaimidae	Alaimida			+
<i>Cristitectus</i>	Petter	1970	1	Cystidicolidae	Spirurida	+		
<i>Crocodyrylaimus</i>	Andrassy	1988	10	Dorylaimidae	Dorylaimida			+
<i>Crocodylocapillaria</i>	Moravec & Spratt	1998	1	Capillariidae	Trichocephalida		+	
<i>Croconema</i>	Cobb	1920	19	Desmodoridae	Desmodorida	+		
<i>Croserinema</i>	Khan, Chawla & Saha	1976	3	Criconematidae	Panagrolaimida			+
<i>Crossocephalus</i>	Railliet	1909	4	Atractidae	Spirurida			+
<i>Crossonema</i>	Mehta & Raski	1971	36	Criconematidae	Panagrolaimida			+
<i>Crossophorus</i>	Hemprich & Ehrenberg	1828	1	Crossophoridae	Spirurida			+
<i>Cruorifilaria</i>	Eberhard, Morales & Orihel	1976	1	Onchocercidae	Spirurida		+	+
<i>Crustafila</i>	Poinar	2011	1	Diploscapteridae	Rhabditida			+
<i>Crustorhabditis</i>	Sudhaus	1974	5	Mesorhabditidae	Rhabditida	+	+	+
<i>Cruzia</i>	Travassos	1917	12	Kathlaniidae	Spirurida			+
<i>Cruznema</i>	Artigas	1927	8	Cruznematidae	Rhabditida		+	+
<i>Crycophorus</i>	Chaves	1930	1	Strongyliidae	Rhabditida			+
<i>Cryonema</i>	Tchesunov & Riemann	1995	2	Monhysteridae	Monhysterida	+		
<i>Cryphodera</i>	Colbran	1966	15	Heteroderidae	Panagrolaimida			+
<i>Cryptaphelenchoides</i>	J.B. Goodey	1960	5	Ektaphelenchidae	Panagrolaimida			+
<i>Cryptaphelenchus</i>	Fuchs	1937	34	Ektaphelenchidae	Panagrolaimida			+
<i>Cryptenoplus</i>	Riemann	1966	1	Thoracostomopsidae	Enoplida	+		
<i>Cryptolaimus</i>	Cobb	1933	2	Linhomoeidae	Monhysterida	+		
<i>Cryptonchus</i>	Cobb	1913	4	Cryptonchidae	Bathyodontida	+	+	+
<i>Ctenascarophis</i>	Mamaev	1968	2	Cystidicolidae	Spirurida	+		
<i>Ctenodactylina</i>	Bernard	1969	1	Pharyngodonidae	Spirurida		+	
<i>Cucullanus</i>	Mueller	1777	189	Cucullanidae	Spirurida	+	+	
<i>Cucullitylenchus</i>	Huang & Raski	1986	1	Tylenchidae	Panagrolaimida			+
<i>Culicimermis</i>	Rubtsov & Isaeva	1975	3	Mermithidae	Mermithida		+	+
<i>Cupostomella</i>	Siddiqi	2013	1	Onchulidae	Tripylida			+
<i>Curvicaudatum</i>	Khatoon, Bilqees, Ghazi & Jaffery	2004	1	Spiruridae	Spirurida			+
<i>Curviditis</i>	Dougherty	1953	2	Rhabditidae	Rhabditida			+
<i>Curvidorylaimus</i>	Jairajpuri & Goodey	1983	1	Tylencholaimidae	Dorylaimida			+
<i>Curvolaimus</i>	Weiser	1953	5	Oncholaimidae	Oncholaimida	+		
<i>Cuticonema</i>	Sanwal	1959	1	Brevibuccidae	Rhabditida			+
<i>Cuticularia</i>	Van-Der-Linde	1938	6	Myolaimidae	Diplogasterida		+	
<i>Cyartonema</i>	Tchesunov	1989	8	Cyartonematidae	Desmoscolecida	+		
<i>Cyatholaimus</i>	Bastian	1865	26	Cyatholaimidae	Chromadorida	+	+	

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<i>Cyathonchus</i>	Cobb	1933	1	Onchulidae	Tripylida		+	
<i>Cyathoshiva</i>	Datta, Miljutin, Chakraborty & Mohapatra	2016	2	Cyatholaimidae	Chromadorida	+		
<i>Cyathospirura</i>	Baylis	1934	6	Spirocercidae	Spirurida			+
<i>Cyathostoma</i>	E. Blanchard	1849	18	Strongylidae	Rhabditida			+
<i>Cyathostomum</i>	Molin	1861	32	Strongylidae	Rhabditida			+
<i>Cyclobulura</i>	Quentin	1977	1	Subuluridae	Spirurida			+
<i>Cyclodontostomum</i>	Adams	1933	3	Strongylidae	Rhabditida			+
<i>Cyclopsinema</i>	Cobb	1927	1	Acuariidae	Spirurida			+
<i>Cyclostrongylus</i>	Johnston & Mawson	1939	10	Strongylidae	Rhabditida			+
<i>Cyclozone</i>	Dogiel	1932	1	Cystidicolidae	Spirurida	+		
<i>Cygnonema</i>	Allen & Noffsinger	1978	1	Draconematidae	Desmodorida	+		
<i>Cylicoecylus</i>	Ihle	1922	18	Strongylidae	Rhabditida			+
<i>Cylicodontophorus</i>	Ihle	1922	8	Strongylidae	Rhabditida			+
<i>Cylicolaimus</i>	De-Man	1889	5	Leptosomatidae	Ironida	+		
<i>Cylicospirura</i>	Vevers	1922	10	Spirocercidae	Spirurida			+
<i>Cylicostephanus</i>	Ihle	1922	15	Strongylidae	Rhabditida			+
<i>Cylicostrongylus</i>	Yamaguti	1961	3	Ancylostomatidae	Rhabditida			+
<i>Cylindrolaimus</i>	De-Man	1880	22	Diplopeltidae	Monhysterida	+	+	+
<i>Cylindropharynx</i>	Leiper	1911	7	Strongylidae	Rhabditida			+
<i>Cynura</i>	Cobb	1920	5	Chronogasteridae	Plectida	+		
<i>Cyrnea</i>	Seurat	1914	28	Habronematidae	Spirurida			+
<i>Cyrtosomum</i>	Gedoelst	1919	7	Atractidae	Spirurida			+
<i>Cystidicola</i>	Fischer	1798	9	Cystidicolidae	Spirurida		+	
<i>Cystidicoloides</i>	Skinker	1931	7	Cystidicolidae	Spirurida		+	
<i>Cystocaulus</i>	Schulz, Orlov & Kutass	1933	4	Metastrongylidae	Rhabditida			+
<i>Cystofilaria</i>	Skryabin & Schikhobalova	1948	1	Onchocercidae	Spirurida			+
<i>Cystoopsis</i>	Wagner	1867	3	Cystoopsidae	Trichocephalida	+		
<i>Cytolaimium</i>	Cobb	1920	2	Trefusiidae	Trefusiida	+	+	
<i>Dacnitis</i>	Dujardin	1845	1	Kathlaniidae	Spirurida	+		
<i>Dacnitoides</i>	Ward & Magath	1917	1	Kathlaniidae	Spirurida		+	
<i>Dactylaimoides</i>	Blome	2002	1	Xyalidae	Monhysterida	+		
<i>Dactylaimus</i>	Cobb	1920	1	Xyalidae	Monhysterida	+		
<i>Dactyluraxonchium</i>	Coomans & Nair	1975	2	Belondiridae	Dorylaimida			+
<i>Dagda</i>	Southern	1914	1	Leptolaimidae	Leptolaimida	+		
<i>Daniconema</i>	Moravec & Koie	1987	1	Daniconematidae	Spirurida	+	+	
<i>Daptonema</i>	Cobb	1920	167	Xyalidae	Monhysterida	+	+	
<i>Dartevellenia</i>	Ezzat	1954	1	Crossophoridae	Spirurida			+
<i>Dasylaimus</i>	Cobb	1933	1	Chromadoridae	Chromadorida	+		
<i>Dasynemella</i>	Cobb	1933	6	Ceramonematidae	Leptolaimida	+		
<i>Dasynemoides</i>	Chitwood	1936	6	Ceramonematidae	Leptolaimida	+		
<i>Daubaylia</i>	Chitwood & Chitwood	1934	9	Myolaimidae	Diplogasterida		+	
<i>Daubneyia</i>	Le-Roux	1940	7	Strongylidae	Rhabditida			+
<i>Davenema</i>	Mohagan & Spiridonov	2017	1	Thelastomatidae	Spirurida			+

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<i>Dayellus</i>	Inglis	1964	1	Phanodermatidae	Enoplida	+		
<i>Decameremis</i>	Rubtsov	1978	1	Mermithidae	Mermithida		+	
<i>Decrusia</i>	Lane	1914	1	Strongylidae	Rhabditida			+
<i>Deficephalobus</i>	De-Ley & Coomans	1990	3	Ostellidae	Panagrolaimida			+
<i>Deladenus</i>	Thorne	1941	40	Neotylenchidae	Panagrolaimida			+
<i>Delatylyus</i>	Yu, Munawar, Gu & Ye	2018	1	Neotylenchidae	Panagrolaimida			+
<i>Deletrocephalus</i>	Diesing	1851	2	Strongylidae	Rhabditida			+
<i>Deleyia</i>	Holovachov & Bostrom	2006	2	Myolaimidae	Diplogasterida			+
<i>Delicata</i>	Travassos	1935	10	Trichostrongylidae	Rhabditida			+
<i>Deliria</i>	Vicente, Magalhaes, Pinto & Noronha	1980	1	Acuariidae	Spirurida			+
<i>Deltanema</i>	Kreis	1929	1	Chromadoridae	Chromadorida	+		
<i>Demaniella</i>	Steiner	1914	6	Diplogasteridae	Diplogasterida		+	+
<i>Demonema</i>	Cobb	1894	1	Selachinematidae	Selachinematida	+		
<i>Dentatonema</i>	Kreis	1928	1	Cyatholaimidae	Chromadorida	+		
<i>Denticulella</i>	Cobb	1933	4	Chromadoridae	Chromadorida	+		
<i>Denticulospirura</i>	Johnston & Mawson	1941	1	Spiruridae	Spirurida			+
<i>Dentinema</i>	Moravec, Chara & Shinn	2004	1	Cosmocercidae	Spirurida		+	
<i>Dentiphilometra</i>	Moravec & Wang	2002	3	Philometridae	Spirurida	+		
<i>Dentirumai</i>	Quiazon & Moravec	2012	1	Philometridae	Spirurida		+	
<i>Dentolaimoides</i>	Khan	1994	1	Oncholaimidae	Oncholaimida	+		
<i>Dentomermis</i>	Rubtsov & Polishchuk,	1975	1	Mermithidae	Mermithida		+	
<i>Dentostomella</i>	Schulz & Krepkogroskaja	1932	6	Heteroxyenematidae	Spirurida			+
<i>Deontolaimus</i>	De-Man	1880	7	Camacolaimidae	Plectida	+		
<i>Deontostoma</i>	Filipjev	1916	16	Leptosomatidae	Ironida	+		
<i>Dermatopallarya</i>	Skryabin	1924	1	Heteroxyenematidae	Spirurida			+
<i>Dermatoxys</i>	Schneider	1866	9	Heteroxyenematidae	Spirurida			+
<i>Desmicola</i>	Basir	1956	9	Thelastomatidae	Spirurida			+
<i>Desmidocerca</i>	Skryabin	1916	1	Desmidocercidae	Spirurida			+
<i>Desmidocercella</i>	Yorke & Maplestone	1926	4	Desmidocercidae	Spirurida			+
<i>Desmodora</i>	De-Man	1889	78	Desmodoridae	Desmodorida	+		
<i>Desmodorella</i>	Cobb	1933	14	Desmodoridae	Desmodorida	+		
<i>Desmognathinema</i>	Baker, Goater & Esch	1987	3	Quimperidae	Spirurida		+	
<i>Desmolaimoides</i>	Jensen	1986	1	Linhomoeidae	Monhysterida	+		
<i>Desmolaimus</i>	De-Man	1880	18	Linhomoeidae	Monhysterida	+	+	
<i>Desmolorenzenia</i>	Freudenhammer	1975	13	Desmoscolecidae	Desmoscolecida	+		
<i>Desmoscolex</i>	Claparede	1863	99	Desmoscolecidae	Desmoscolecida	+	+	
<i>Desmotimmia</i>	Freudenhammer	1975	1	Meyliidae	Desmoscolecida	+		
<i>Desmotricoma</i>	Decraemer	1984	1	Meyliidae	Desmoscolecida	+		
<i>Desportesius</i>	Chabaud & Campana	1949	10	Acuariidae	Spirurida			+
<i>Dessetifilaria</i>	Bartlett & Bain	1987	2	Onchocercidae	Spirurida			+
<i>Dessetia</i>	Genov & Janchev	1981	1	Trichostrongylidae	Rhabditida			+
<i>Dessetiostrongylus</i>	Humphery Smith	1981	3	Trichostrongylidae	Rhabditida			+
<i>Devibursaphelenchus</i>	Kakulia	1967	8	Parasitaphelenchidae	Panagrolaimida			+

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<i>Diaphanocephalus</i>	Diesing	1851	1	Ancylostomatidae	Rhabditida			+
<i>Diastolaimus</i>	Rahm	1928	2	Chambersiellidae	Diplogasterida		+	
<i>Dicelis</i>	Dujardin	1845	18	Drilonematidae	Drilonematida			+
<i>Diceloides</i>	Timm	1967	1	Drilonematidae	Drilonematida			+
<i>Dicerocola</i>	Round	1962	1	Strongylidae	Rhabditida			+
<i>Diceronema</i>	Gibbons, Knapp & Krecek	1996	1	Atractidae	Spirurida			+
<i>Dicheilonema</i>	Diesing	1861	10	Diplotrienidae	Spirurida			+
<i>Dichelyne</i>	Jaegerskiöld	1902	63	Cucullanidae	Spirurida	+	+	
<i>Dichromadora</i>	Kreis	1929	2	Chromadoridae	Chromadorida	+	+	
<i>Dictyocaulus</i>	Railliet & Henry	1907	15	Metastrongylidae	Rhabditida			+
<i>Didelphonema</i>	Wolfgang	1953	1	Spirocercidae	Spirurida			+
<i>Didelphostrongylus</i>	Prestwood	1976	1	Metastrongylidae	Rhabditida			+
<i>Didelphoxyuris</i>	Gardner & Hugot	1995	1	Oxyuridae	Spirurida			+
<i>Didelphyoptera</i>	Schulz	1927	1	Physalopteridae	Spirurida			+
<i>Didelphysoma</i>	Schulz	1927	1	Physalopteridae	Spirurida			+
<i>Didelta</i>	Cobb	1920	5	Linhomoeidae	Monhysterida	+		
<i>Didilia</i>	Tang, Hominick, Killick, Kendrick, Killick, Kendrick & Page	1993	1	Tetradonematidae	Mermithida			+
<i>Digitiphilometroides</i>	Moravec & Barton	2018	1	Philometridae	Spirurida	+		
<i>Dinetia</i>	Decraemer & Gourbault	1997	2	Draconematidae	Desmodorida	+		
<i>Dintheria</i>	De-Man	1921	1	Bastianiidae	Tripylida			+
<i>Dioctophyme</i>	Collet-Meygret	1802	1	Dioctophymatidae	Dioctophymatida			+
<i>Dioctowittus</i>	Chabaud & Hoa	1960	4	Cystoosidae	Trichocephalida			+
<i>Diodontolaimus</i>	Southern	1914	3	Leptolaimidae	Leptolaimida	+		
<i>Diomedenema</i>	Johnston & Mawson	1952	3	Desmidocercidae	Spirurida			+
<i>Dipetalonema</i>	Diesing	1861	38	Onchocercidae	Spirurida	+		+
<i>Diphtherophora</i>	Micoletzky	1922	37	Diphtherophoridae	Triplonchida			+
<i>Diplobathylaimus</i>	Allgen	1959	1	Tripylloidae	Tripylloida	+		
<i>Diplogaster</i>	Schultze in Carus	1857	7	Diplogasteridae	Diplogasterida		+	+
<i>Diplogasteriana</i>	Meyl	1960	1	Diplogasteridae	Diplogasterida			+
<i>Diplogasteritus</i>	Paramonov	1952	3	Diplogasteridae	Diplogasterida			+
<i>Diplogasteroides</i>	De-Man	1912	37	Diplogasteroididae	Diplogasterida			+
<i>Diplogastrellus</i>	Paramonov	1952	2	Diplogasteridae	Diplogasterida		+	+
<i>Diplolaimella</i>	Allgen	1929	11	Monhysteridae	Monhysterida	+	+	
<i>Diplolaimelloides</i>	Meyl	1954	11	Monhysteridae	Monhysterida	+	+	
<i>Diplonema</i>	Poinar	2011	1	Diplogasteridae	Diplogasterida		+	+
<i>Diplopeltis</i>	Cobb in Stiles & Hassal	1905	6	Diplopeltidae	Monhysterida	+		
<i>Diplopeltoides</i>	Gerlach	1962	23	Diplopeltoididae	Leptolaimida	+		
<i>Diplopeltula</i>	Gerlach	1950	6	Diplopeltidae	Monhysterida	+		
<i>Diploscapter</i>	Cobb	1913	14	Diploscapteridae	Rhabditida			+
<i>Diploscapteroides</i>	Rahm	1928	7	Rhabditidae	Rhabditida			+
<i>Diplotrienae</i>	Railliet & Henry in Henry & O'Zoux	1909	65	Diplotrienidae	Spirurida			+

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<i>Diptenchus</i>	Khan, Chawla & Seshadri	1969	1	Anguinidae	Panagrolaimida			+
<i>Dipteromermis</i>	Rubtzov	1976	1	Mermithidae	Mermithida		+	+
<i>Dirofilaria</i>	Railliet & Henry	1910	47	Onchocercidae	Spirurida			+
<i>Dirofilariaeformia</i>	Lubimov	1935	1	Onchocercidae	Spirurida			+
<i>Dirofilarionema</i>	Sonin	1963	1	Filariidae	Spirurida			+
<i>Discocriconemella</i>	De-Grisse & Loof	1965	31	Criconematidae	Panagrolaimida			+
<i>Discoditis</i>	Andrassy	1983	2	Choriorhabditidae	Rhabditida			+
<i>Discolaimium</i>	Thorne	1939	36	Qudsianematidae	Dorylaimida			+
<i>Discolaimoides</i>	Heyns	1963	16	Qudsianematidae	Dorylaimida			+
<i>Discolaimus</i>	Cobb	1913	42	Qudsianematidae	Dorylaimida			+
<i>Discomermis</i>	Coman	1971	1	Mermithidae	Mermithida		+	
<i>Discomyctus</i>	Thorne	1939	10	Tylencholaimidae	Dorylaimida			+
<i>Disconema</i>	Filipjev	1918	8	Linhomoeidae	Monhysterida	+		
<i>Discopersicus</i>	Yaghoubi, Pourjam, Alvarez-Ortega, Liebanas & Pedram	2016	1	Tylenchidae	Panagrolaimida			+
<i>Discotylenchus</i>	Siddiqi	1980	10	Tylenchidae	Panagrolaimida			+
<i>Dispira</i>	Cobb	1933	1	Cyatholaimidae	Chromadorida	+		
<i>Distolabrellus</i>	Anderson	1983	3	Mesorhabditidae	Rhabditida			+
<i>Ditlevsenella</i>	Filipjev	1927	4	Enchelidiidae	Oncholaimida	+		
<i>Ditremamermis</i>	Camino & Poinar	1989	2	Mermithidae	Mermithida		+	
<i>Ditylenchus</i>	Filipjev	1936	89	Anguinidae	Panagrolaimida			+
<i>Divisipiculimermis</i>	De-Doucet	1986	1	Mermithidae	Mermithida		+	
<i>Diximermis</i>	Nickle	1972	1	Mermithidae	Mermithida		+	
<i>Doanhnema</i>	Durette-Desset, Digiani, Kilani & Geffard-Kuriyama	2017	12	Trichostrongylidae	Rhabditida			+
<i>Dogielophis</i>	Doweld	2016	1	Cystidicolidae	Spirurida	+		
<i>Dolichodera</i>	Mulvey & Ebsary	1980	1	Heteroderidae	Panagrolaimida			+
<i>Dolichodoros</i>	Cobb	1914	20	Dolichodoridae	Panagrolaimida	+		+
<i>Dolicholaimus</i>	De-Man	1888	10	Ironidae	Ironida	+		
<i>Dolichorhabditis</i>	Andrassy	1983	10	Rhabditidae	Rhabditida			+
<i>Dolichosomatium</i>	Allgen	1951	1	Comesomatidae	Monhysterida	+		
<i>Doliolaimus</i>	Lorenzen	1966	1	Sphaerolaimidae	Monhysterida	+		
<i>Dollfusnema</i>	Caballero	1974	2	Habronematidae	Spirurida			+
<i>Dollfusstrongylus</i>	Quentin	1970	1	Trichostrongylidae	Rhabditida			+
<i>Dominicactinolaimus</i>	Jairajpuri & Ahmad	1992	1	Actinolaimidae	Dorylaimida			+
<i>Domorganus</i>	Goodey	1947	10	Ohridiidae	Leptolaimida	+	+	+
<i>Donsinema</i>	Allgen	1949	1	Anoplostomatidae	Enoplida	+		
<i>Donsinemella</i>	Allgen	1949	1	Camacolaimidae	Plectida	+		
<i>Dorcopsinema</i>	Mawson	1977	10	Strongylidae	Rhabditida			+
<i>Dorcopsistrongylus</i>	Smales	1982	3	Strongylidae	Rhabditida			+
<i>Dorella</i>	Jairajpuri	1964	4	Leptonchidae	Dorylaimida			+
<i>Doronchus</i>	Andrassy	1993	2	Anatonchidae	Mononchida			+
<i>Dorydorella</i>	Andrassy	1987	4	Nordiidae	Dorylaimida			+
<i>Dorylaimellus</i>	Cobb	1913	85	Belondiridae	Dorylaimida		+	+

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<i>Dorylaimoides</i>	Thorne & Swanger	1936	80	Mydonomidae	Dorylaimida			+
<i>Dorylaimopsis</i>	Ditlevsen	1918	33	Comesomatidae	Monhysterida	+		
<i>Dorylaimus</i>	Dujardin	1845	28	Dorylaimidae	Dorylaimida	+	+	+
<i>Doryllium</i>	Cobb	1920	16	Leptonchidae	Dorylaimida			+
<i>Doryonchus</i>	Kreis	1932	1	Oncholaimidae	Oncholaimida	+		
<i>Dracogalerus</i>	Allen & Noffsinger	1978	3	Draconematidae	Desmodorida	+		
<i>Dracognomus</i>	Allen & Noffsinger	1978	7	Draconematidae	Desmodorida	+		
<i>Dracograllus</i>	Allen & Noffsinger	1978	21	Draconematidae	Desmodorida	+		
<i>Draconactus</i>	Allen & Noffsinger	1978	2	Draconematidae	Desmodorida	+		
<i>Draconema</i>	Cobb	1913	22	Draconematidae	Desmodorida	+		
<i>Dracotoronema</i>	Allen & Noffsinger	1978	1	Draconematidae	Desmodorida	+		
<i>Dracunculus</i>	Reichard	1759	11	Dracunculidae	Spirurida		+	+
<i>Draschia</i>	Chitwood & Wehr	1934	1	Habronematidae	Spirurida			+
<i>Drasico</i>	Ivanova, Ganin & Spiridonov	2014	4	Ungellidae	Drilonematida			+
<i>Drepanodorylaimus</i>	Jairajpuri	1966	18	Dorylaimidae	Dorylaimida		+	+
<i>Drilocephalobus</i>	Coomans & Goodey	1965	7	Ostellidae	Panagrolaimida			+
<i>Drilomermis</i>	Poinar & Petersen	1978	1	Mermithidae	Mermithida		+	
<i>Drilonema</i>	Pierantoni	1916	1	Drilonematidae	Drilonematida			+
<i>Dromaeostrongylus</i>	Lubimow	1933	1	Trichostrongylidae	Rhabditida			+
<i>Dujardinascaris</i>	Baylis	1927	32	Ascarididae	Spirurida	+	+	+
<i>Dukerostrongylus</i>	Dinnik & Boev	1982	1	Metastrongylidae	Rhabditida			+
<i>Dunnifilaria</i>	Mullin & Balasingham	1973	3	Onchocercidae	Spirurida			+
<i>Duosulcius</i>	Siddiqi	1979	2	Tylenchidae	Panagrolaimida			+
<i>Duplicaecum</i>	Majumdar & Chakravarty	1963	1	Anisakidae	Spirurida		+	+
<i>Durettechina</i>	Smales	2000	1	Seuratidae	Spirurida			+
<i>Durettinema</i>	Ju, Li & Zhang	2017	4	Trichostrongylidae	Rhabditida			+
<i>Durettstrongylus</i>	Guerrero	1983	4	Trichostrongylidae	Rhabditida			+
<i>Duriella</i>	Dhanam & Jairajpuri	1999	1	Belondiridae	Dorylaimida			+
<i>Durikainema</i>	Spratt & Speare	1982	2	Robertdollfusidae	Muspiceida			+
<i>Durinema</i>	Jairajpuri	1966	2	Mydonomidae	Dorylaimida			+
<i>Echinocephalus</i>	Molin	1858	17	Gnathostomatidae	Spirurida	+		
<i>Echinocoleus</i>	Lopez-Neyra	1947	5	Trichinellidae	Trichocephalida			+
<i>Echinodesmodora</i>	Blome	1982	3	Desmodoridae	Desmodorida	+		
<i>Echinodorus</i>	Siddiqi	1995	1	Nordiidae	Dorylaimida			+
<i>Echinomermella</i>	Chitwood	1933	2	Mermithidae	Mermithida	+		
<i>Echinotheristus</i>	Thun & Riemann	1967	2	Xyalidae	Monhysterida	+		
<i>Echinuria</i>	Soloviev	1912	12	Acuariidae	Spirurida			+
<i>Echinurioides</i>	Thwaite	1926	1	Habronematidae	Spirurida			+
<i>Echonema</i>	Bussau	1993	1	Xyalidae	Monhysterida	+		
<i>Ecphyadophora</i>	De-Man	1921	8	Ecphyadophoridae	Panagrolaimida			+
<i>Ecphyadophoroides</i>	Corbett	1964	2	Ecphyadophoridae	Panagrolaimida			+
<i>Ecuadorus</i>	Siddiqi	2002	1	Trichodoridae	Triplonchida			+
<i>Ecumenicus</i>	Thorne	1974	4	Qudsianematidae	Dorylaimida			+
<i>Edesonfilaria</i>	Yeh	1960	2	Onchocercidae	Spirurida			+

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<i>Eggtitis</i>	Thorne	1967	20	Actinolaimidae	Dorylaimida		+	
<i>Ekphymatodera</i>	Baldwin, Bernard & Mundo-Ocampo	1989	1	Heteroderidae	Panagrolaimida			+
<i>Ektaphelenchoides</i>	Baujard	1984	21	Ektaphelenchidae	Panagrolaimida			+
<i>Ektaphelenchus</i>	Fuchs	1937	35	Ektaphelenchidae	Panagrolaimida			+
<i>Elaeolenchus</i>	Poinar, Jackson, Bell & Wahid	2002	1	Allantonematidae	Panagrolaimida			+
<i>Elaeophora</i>	Railliet & Henry	1912	4	Onchocercidae	Spirurida			+
<i>Elaphonema</i>	Heyns	1962	6	Elaphonematidae	Panagrolaimida			+
<i>Elaphostrongylus</i>	Cameron	1931	5	Metastrongylidae	Rhabditida			+
<i>Eleutherolaimus</i>	Filipjev	1922	27	Linhomoeidae	Monhysterida	+		
<i>Elzalia</i>	Gerlach	1957	13	Xyalidae	Monhysterida	+		
<i>Encheliidiella</i>	Allgen	1954	1	Encheliidiidae	Oncholaimida	+		
<i>Enchelidium</i>	Ehrenberg	1836	8	Encheliidiidae	Oncholaimida	+		
<i>Enchodeloides</i>	Elsishka, Lazarova, Radoslavov, Hristiv & Peneva	2017	1	Nordiidae	Dorylaimida			+
<i>Enchodelus</i>	Thorne	1939	37	Nordiidae	Dorylaimida	+	+	+
<i>Enchodorus</i>	Vinciguerra	1976	4	Nordiidae	Dorylaimida			+
<i>Encholaimus</i>	Golden & Murphy	1967	2	Leptonchidae	Dorylaimida			+
<i>Endeolophos</i>	Boucher	1976	5	Chromadoridae	Chromadorida	+		
<i>Enoplochilus</i>	Kreis	1932	1	Ironidae	Ironida	+		
<i>Enoploides</i>	Saveljev	1912	8	Thoracostomopsidae	Enoplida	+	+	
<i>Enoplolaimus</i>	De-Man	1893	42	Thoracostomopsidae	Enoplida	+	+	
<i>Enoplus</i>	Dujardin	1845	51	Enoplidae	Enoplida	+		
<i>Entaphelenchus</i>	Wachek	1955	6	Entaphelenchidae	Panagrolaimida			+
<i>Enterobius</i>	Leach in Baird	1853	27	Oxyuridae	Spirurida			+
<i>Entomelas</i>	Travassos	1930	9	Rhabdiasidae	Rhabditida			+
<i>Eoermis</i>	Steiner	1925	1	Mermithidae	Mermithida		+	
<i>Eophasma</i>	Arduini, Pinna & Teruzzi	1983	2	Eophasmidae	Desmoscolecida			+
<i>Epacanthion</i>	Wieser	1953	33	Thoracostomopsidae	Enoplida	+		
<i>Epacrolaimus</i>	Andrassy	2000	2	Aporcelaimidae	Dorylaimida			+
<i>Epicharinema</i>	Raski, Maggenti, Koshy & Sosamma	1980	1	Tylodoridae	Panagrolaimida			+
<i>Epidorylaimus</i>	Andrassy	1986	14	Qudsianematidae	Dorylaimida			+
<i>Epimenides</i>	Gutierrez	1949	1	Cruznemmatidae	Rhabditida			+
<i>Epitobrilus</i>	Tsalolikhin	1981	25	Tobrilidae	Tripylida		+	
<i>Epomidiostomum</i>	Skryabin	1915	15	Trichostrongylidae	Rhabditida		+	+
<i>Epsilonema</i>	Steiner	1927	115	Epsilonematidae	Desmodorida	+		
<i>Equilophos</i>	Durette-Desset & Digiani	2015	4	Trichostrongylidae	Rhabditida			+
<i>Equinurbia</i>	Lane	1914	1	Strongylidae	Rhabditida			+
<i>Ereptonema</i>	Anderson	1966	5	Plectidae	Plectida		+	+
<i>Esocinema</i>	Moravec	1977	1	Skrjabillanidae	Spirurida		+	
<i>Etamphidelus</i>	Andrassy	1977	10	Alaimidae	Alaimida			+
<i>Ethmodora</i>	Khera	1975	1	Ethmolaimidae	Chromadorida		+	

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<i>Ethmolaimus</i>	De-Man	1880	17	Ethmolaimidae	Chromadorida	+	+	
<i>Eubostrichus</i>	Greef	1869	12	Desmodoridae	Desmodorida	+		
<i>Eucephalobus</i>	Steiner	1936	11	Cephalobidae	Panagrolaimida	+	+	+
<i>Euchromadora</i>	De-Man	1886	26	Chromadoridae	Chromadorida	+		
<i>Euchromanema</i>	Kulikov & Dashchenko	1991	2	Chromadoridae	Chromadorida	+		
<i>Eucoleus</i>	Dujardin	1845	34	Capillariidae	Trichocephalida		+	+
<i>Eucyathostomum</i>	Molin	1861	5	Strongylidae	Rhabditida			+
<i>Eudorylaimus</i>	Andrassy	1959	107	Qudsianematidae	Dorylaimida	+	+	+
<i>Eudromoxyura</i>	Anderson & Prestwood	1972	1	Heteroxyematidae	Spirurida			+
<i>Eudronema</i>	Remillet & Van-Waerebeke	1973	1	Rhabditidae	Rhabditida			+
<i>Eufilaria</i>	Seurat	1921	17	Onchocercidae	Spirurida			+
<i>Eumermis</i>	Daday	1911	2	Mermithidae	Mermithida		+	
<i>Eumonhystera</i>	Andrassy	1981	36	Monhysteridae	Monhysterida	+	+	+
<i>Euryconema</i>	Chitwood	1932	2	Thelastomatidae	Spirurida			+
<i>Eurymermis</i>	Mueller	1931	8	Mermithidae	Mermithida		+	
<i>Eurystomina</i>	Filipjev	1921	47	Enchelidiidae	Oncholaimida	+		
<i>Eustrongylides</i>	Jaegerskiold	1909	17	Dioctophymatidae	Dioctophymatida		+	+
<i>Eusynonchus</i>	Platonova	1970	2	Leptosomatidae	Ironida	+		
<i>Euteratocephalus</i>	Andrassy	1958	6	Metateratocephalidae	Plectida		+	
<i>Eutobrilus</i>	Tsalolikhin	1981	40	Tobrilidae	Tripylida	+	+	
<i>Eutylenchus</i>	Cobb	1913	6	Atylenchidae	Panagrolaimida		+	+
<i>Euzetoda</i>	Elias & Durette-Desset	2003	1	Trichostrongylidae	Rhabditida			+
<i>Evaginuris</i>	Skryabin & Schikhobalova	1951	1	Oxyuridae	Spirurida			+
<i>Excisa</i>	Gendre	1928	5	Habronematidae	Spirurida			+
<i>Expressonema</i>	Smolyanko & Belogurov	1991	1	Comesomatidae	Monhysterida	+		
<i>Ezonema</i>	Boyce	1971	2	Quimperidae	Spirurida		+	
<i>Falcaustra</i>	Lane	1915	71	Kathlaniidae	Spirurida		+	+
<i>Falcihasta</i>	Clark	1964	4	Belondiridae	Dorylaimida			+
<i>Fastigiuris</i>	Babaev	1966	1	Heteroxyematidae	Spirurida			+
<i>Fellicola</i>	Petter & Køie	1993	1	Rhabdochonidae	Spirurida	+		
<i>Fenestrolaimus</i>	Filipjev	1927	4	Thoracostomopsidae	Enoplida	+		
<i>Fergusobia</i>	Currie	1937	49	Neotylenchidae	Panagrolaimida			+
<i>Feroxides</i>	Heyns	1968	1	Nygolaimidae	Dorylaimida		+	
<i>Fescia</i>	Truskova & Eroshenko	1977	1	Chambersiellidae	Diplogasterida			+
<i>Ficophagus</i>	Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis	2015	31	Aphelenchoididae	Panagrolaimida			+
<i>Ficotylus</i>	Davies, Ye, Giblin-Davis & Thomas	2009	2	Neotylenchidae	Panagrolaimida			+
<i>Fictor</i>	Paramonov	1952	20	Diplogasteridae	Diplogasterida		+	+
<i>Filaria</i>	Mueller	1787	44	Filariidae	Spirurida			+
<i>Filarinema</i>	Moennig	1929	13	Trichostrongylidae	Rhabditida			+
<i>Filariopsis</i>	Van-Thiel	1926	4	Metastrongylidae	Rhabditida			+
<i>Filarissima</i>	Chabaud	1974	1	Onchocercidae	Spirurida			+

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<i>Filaroides</i>	Van-Beneden	1858	13	Metastrongylidae	Rhabditida	+		+
<i>Filenchus</i>	Andrassy	1954	63	Tylenchidae	Panagrolaimida	+		+
<i>Filicapitis</i>	Travassos	1949	1	Trichostrongylidae	Rhabditida			+
<i>Filidicolaimus</i>	Siddiqi	1995	2	Qudsianematidae	Dorylaimida			+
<i>Filipjeva</i>	Ditlevsen	1928	7	Xyalidae	Monhysterida	+		
<i>Filipjevia</i>	Kreis	1928	1	Thoracostomopsidae	Enoplida	+		
<i>Filiponema</i>	Timm & Maggenti	1966	10	Drilonematidae	Drilonematida			+
<i>Filitonchoides</i>	Jensen	1985	1	Ethmolaimidae	Chromadorida	+		
<i>Filitonchus</i>	Platt	1982	3	Neotonchidae	Chromadorida	+		
<i>Filoncholaimus</i>	Filipjev	1927	5	Oncholaimidae	Oncholaimida	+		
<i>Filostrongylus</i>	Mackerras	1955	2	Metastrongylidae	Rhabditida			+
<i>Filotermes</i>	Poinar	2011	1	Diplogasteridae	Diplogasterida			+
<i>Fissicauda</i>	Durette-Desset & Krishnasamy	1976	7	Trichostrongylidae	Rhabditida			+
<i>Fitzsimmons nema</i>	Petter	1966	1	Atractidae	Spirurida			+
<i>Flagicaudoides</i>	Khan, Singh & Baird	1999	1	Rhabditidae	Rhabditida			+
<i>Flannerystrongylus</i>	Smales	2019	1	Trichostrongylidae	Rhabditida			+
<i>Fleuronema</i>	Greenslade & Nicholas	1991	3	Thoracostomopsidae	Enoplida	+		
<i>Foleyella</i>	Seurat	1917	10	Onchocercidae	Spirurida		+	+
<i>Foleyellides</i>	Caballero	1935	16	Onchocercidae	Spirurida		+	+
<i>Foliostoma</i>	Beveridge & Johnson	1981	1	Strongylidae	Rhabditida			+
<i>Fontesia</i>	Travassos	1928	2	Trichostrongylidae	Rhabditida			+
<i>Fontonema</i>	Chitwood	1930	1	Thelastomatidae	Spirurida			+
<i>Formicitylenchus</i>	Poinar	2003	1	Allantonematidae	Panagrolaimida			+
<i>Formicodiplogaster</i>	Poinar	1977	1	Diplogasteridae	Diplogasterida			+
<i>Fotolaimus</i>	Belogurova & Belagurov	1974	1	Oncholaimidae	Oncholaimida	+		
<i>Fraglenchus</i>	Siddiqi	2000	1	Tylenchidae	Panagrolaimida			+
<i>Freitasascaris</i>	Sprent	1983	1	Ascarididae	Spirurida			+
<i>Freitascapillaria</i>	Moravec	1982	1	Capillariidae	Trichocephalida		+	
<i>Freitasia</i>	Barus & Coy-Otero	1968	1	Rhabdochoniidae	Spirurida			+
<i>Freitastrongylus</i>	Goncalves-Pinto & Durette-Desset	2007	1	Trichostrongylidae	Rhabditida			+
<i>Fuellebornema</i>	Travassos & Darriba	1929	7	Trichostrongylidae	Rhabditida			+
<i>Fukumotonema</i>	Durette-Desset & Digiani	2019	6	Trichostrongylidae	Rhabditida			+
<i>Funaria</i>	Van-Der-Linde	1938	12	Leptonchidae	Dorylaimida			+
<i>Fungitonchium</i>	Siddiqi	1986	4	Iotonchiidae	Panagrolaimida			+
<i>Furconema</i>	Gairola & Malhotra	1988	1	Oxyuridae	Spirurida			+
<i>Fuscheila</i>	Siddiqi	1982	2	Dorylaimidae	Dorylaimida			+
<i>Fusicorpa</i>	Wehr	1936	1	Onchocercidae	Spirurida			+
<i>Fusivermis</i>	Tchesunov	1996	1	Fusivermidae	Monhysterida	+		
<i>Fusonema</i>	Kreis	1928	1	Monoposthiidae	Desmodorida	+		
<i>Gaigeria</i>	Railliet & Henry	1910	1	Ancylostomatidae	Rhabditida			+
<i>Gairleanema</i>	Warwick & Platt	1973	1	Tripyloididae	Tripyloidida	+		
<i>Galebia</i>	Chitwood	1932	1	Thelastomatidae	Spirurida			+

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<i>Galeiceps</i>	Railliet & Henry	1912	4	Anisakidae	Spirurida	+	+	+
<i>Galinanema</i>	Spiridonov	1984	1	Thelastomatidae	Spirurida			+
<i>Gallegostrongylus</i>	Mas-Coma	1978	4	Metastrongylidae	Rhabditida			+
<i>Galoncus</i>	Railliet	1918	2	Ancylostomatidae	Rhabditida			+
<i>Gammanema</i>	Cobb	1920	14	Choanolaimidae	Selachinematida	+		
<i>Gammarinema</i>	Kinne & Gerlach	1953	8	Monhysteridae	Monhysterida	+	+	+
<i>Gammaromermis</i>	Rubtsov & Bekman	1979	3	Mermithidae	Mermithida		+	
<i>Gastromermis</i>	Micoletzky	1923	82	Mermithidae	Mermithida		+	+
<i>Gatesnema</i>	Timm	1971	1	Drilonematidae	Drilonematida			+
<i>Gazellostrongylus</i>	Yeh	1956	1	Trichostrongylidae	Rhabditida			+
<i>Gendrespirura</i>	Chabaud	1958	1	Habronematidae	Spirurida			+
<i>Gendria</i>	Baylis	1930	7	Quimperidae	Spirurida	+	+	
<i>Geocenamus</i>	Thorne & Malek	1968	21	Telotylenchidae	Panagrolaimida			+
<i>Geomonhystera</i>	Andrassy	1981	39	Monhysteridae	Monhysterida			+
<i>Geopetitia</i>	Chabaud	1951	4	Tetrameridae	Spirurida			+
<i>Geoscaphenema</i>	Jex, Schneider, Rose & Cribb	2006	1	Thelastomatidae	Spirurida			+
<i>Geraldus</i>	Sanwal	1971	1	Chambersiellidae	Diplogasterida			+
<i>Gerlachius</i>	Andrassy	1976	2	Meyliidae	Desmoscolecida	+		
<i>Gerthus</i>	Goseco, Ferris & Ferris	1975	4	Leptonchidae	Dorylaimida			+
<i>Gessyella</i>	Freitas	1959	1	Capillariidae	Trichocephalida	+		
<i>Gibsonnema</i>	Moravec, Salgado-Maldonado & Aguilar-Aguilar	2002	2	Quimperidae	Spirurida		+	
<i>Gilsonema</i>	Hunt	1998	2	Carnoyidae	Rhigonematida			+
<i>Glaber</i>	Travassos & Kloss	1958	3	Hystriognathidae	Spirurida			+
<i>Glistrongylus</i>	Durette-Desset, Digiani, Kilani & Geffard-Kuriyama	2017	1	Trichostrongylidae	Rhabditida			+
<i>Globocephaloides</i>	Yorke & Maplestone	1926	2	Trichostrongylidae	Rhabditida			+
<i>Globocephalus</i>	Molin	1861	12	Ancylostomatidae	Rhabditida			+
<i>Globodera</i>	Skarbilovich	1959	17	Heteroderidae	Panagrolaimida			+
<i>Glochidorella</i>	Siddiqi	1981	5	Leptonchidae	Dorylaimida			+
<i>Glochinema</i>	Lorenzen	1974	6	Epsilonematidae	Desmodorida	+		
<i>Glomerinema</i>	Van-Waerebeke	1985	4	Rhigonematidae	Rhigonematida			+
<i>Gnathostoma</i>	Owen	1836	19	Gnathostomatidae	Spirurida		+	
<i>Gnomoxyala</i>	Lorenzen	1977	1	Xyalidae	Monhysterida	+		
<i>Gobindonema</i>	Sood & Parshad	1974	1	Trichostrongylidae	Rhabditida			+
<i>Goezia</i>	Zeder	1800	39	Anisakidae	Spirurida	+	+	
<i>Goferus</i>	Jairajpuri & Ahmad	1992	1	Leptonchidae	Dorylaimida			+
<i>Goffartia</i>	Hirschmann	1952	7	Diplogasteroididae	Diplogasterida		+	+
<i>Golovatchinema</i>	Spiridonov	1984	1	Thelastomatidae	Spirurida			+
<i>Gomphionchus</i>	Platt	1982	1	Neotonchidae	Chromadorida	+		
<i>Gomphionema</i>	Wieser & Hopper	1966	4	Neotonchidae	Chromadorida	+		
<i>Gongylonema</i>	Molin	1857	38	Gongylonematidae	Spirurida			+
<i>Gonionchus</i>	Cobb	1920	14	Xyalidae	Monhysterida	+		
<i>Gonofilaria</i>	Mullin	1973	1	Onchocercidae	Spirurida			+

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Goodeyella</i>	Siddiqi	1986	1	Sphaeronematidae	Panagrolaimida			+
<i>Gopalus</i>	Khan, Jairajpuri & Ahmad	1988	1	Aporcelaimidae	Dorylaimida			+
<i>Gopheruris</i>	Petter & Douglass	1976	1	Pharyngodonidae	Spirurida			+
<i>Gordiomermis</i>	Heinze	1934	1	Mermithidae	Mermithida		+	
<i>Gracilancea</i>	Siddiqi	1976	1	Tylodoridae	Panagrolaimida			+
<i>Grahamius</i>	Gerlach & Riemann	1973	1	Comesomatidae	Monhysterida	+		
<i>Grammocephalus</i>	Railliet & Henry	1910	3	Ancylostomatidae	Rhabditida			+
<i>Granonchulus</i>	Andrassy	1958	4	Mylonchulidae	Mononchida			+
<i>Granulinema</i>	Moravec & Little	1988	2	Micropleuridae	Spirurida	+		
<i>Graphidiella</i>	Olsen	1948	2	Trichostrongylidae	Rhabditida			+
<i>Graphidioides</i>	Cameron	1923	9	Trichostrongylidae	Rhabditida			+
<i>Graphidiops</i>	Lent & Freitas	1938	7	Trichostrongylidae	Rhabditida			+
<i>Graphidium</i>	Railliet & Henry	1909	1	Trichostrongylidae	Rhabditida			+
<i>Graphinema</i>	Guerrero & Rojas	1969	1	Trichostrongylidae	Rhabditida			+
<i>Graphonema</i>	Cobb	1898	10	Chromadoridae	Chromadorida	+		
<i>Grassenema</i>	Petter	1959	1	Atractidae	Spirurida			+
<i>Greeffiella</i>	Cobb	1922	11	Desmoscolecidae	Desmoscolecida	+		
<i>Greeffiellopsis</i>	Schraege & Gerlach	1975	1	Desmoscolecidae	Desmoscolecida	+		
<i>Gryllophila</i>	Basir	1942	10	Thelastomatidae	Spirurida			+
<i>Gubalonus</i>	Siddiqi	2014	1	Diplogasteridae	Diplogasterida			+
<i>Gubernaculimermis</i>	Ipatyeva & Pimenova	1985	1	Mermithidae	Mermithida		+	
<i>Gubernaculomeres</i>	Oshmarin & Parukhin	1963	2	Habronematidae	Spirurida			+
<i>Guerrerostrongylus</i>	Sutton & Durette-Desset	1991	4	Trichostrongylidae	Rhabditida			+
<i>Guitartia</i>	Armenteros, Vincx & Decraemer	2010	1	Xyalidae	Monhysterida	+		
<i>Gullanema</i>	Nicholas & Stewart	1995	1	Xyalidae	Monhysterida	+		
<i>Gurltia</i>	Wolffhüegel	1933	1	Metastrongylidae	Rhabditida			+
<i>Guyanema</i>	Petter	1974	5	Guyanemidae	Spirurida		+	
<i>Gyalocephalus</i>	Looss	1900	1	Strongylidae	Rhabditida			+
<i>Gymnotylenchus</i>	Siddiqi	1961	3	Neotylenchidae	Panagrolaimida			+
<i>Gymnotyleptus</i>	Ahmad & Jairajpuri	1982	2	Leptonchidae	Dorylaimida			+
<i>Gynaecometra</i>	Araujo	1978	1	Oxyuridae	Spirurida			+
<i>Gynopocilia</i>	Chabaud, Golvan, Bain & Brygoo	1965	1	Cephalobiidae	Diplogasterida			+
<i>Gyrinicola</i>	Yamaguti	1938	5	Pharyngodonidae	Spirurida		+	+
<i>Habronema</i>	Diesing	1861	26	Habronematidae	Spirurida			+
<i>Hadjelia</i>	Seurat	1916	12	Habronematidae	Spirurida			+
<i>Hadrodenus</i>	Mulvey	1969	2	Neotylenchidae	Panagrolaimida			+
<i>Hadronchoides</i>	Jairajpuri & Rahman	1984	2	Iotonchidae	Mononchida			+
<i>Hadronchulus</i>	Ray & Das	1983	3	Iotonchidae	Mononchida			+
<i>Hadronchus</i>	Mulvey & Jensen	1967	2	Iotonchidae	Mononchida			+
<i>Haematozoon</i>	Leisering	1865	2	Haematozoonidae	Rhabditida			+
<i>Haemonchus</i>	Cobb	1898	14	Trichostrongylidae	Rhabditida			+
<i>Hakynema</i>	Moravec & Sey	1988	1	Pharyngodonidae	Spirurida		+	

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<i>Halalaimus</i>	De-Man	1888	85	Oxystominidae	Ironida	+	+	
<i>Halanonchus</i>	Cobb	1920	9	Trefusiidae	Trefusiida	+		
<i>Halaphanolaimus</i>	Southern	1914	6	Leptolaimidae	Leptolaimida	+		
<i>Halenchus</i>	N. Cobb in M. Cobb	1933	3	Anguinidae	Panagrolaimida	+		
<i>Halicephalobus</i>	Timm	1956	8	Panagrolaimidae	Panagrolaimida			+
<i>Halichoanolaimus</i>	De-Man	1886	36	Choanolaimidae	Selachinematida	+		
<i>Halicylindrolaimus</i>	Allgen	1959	1	Diplopeltidae	Monhysterida	+		
<i>Halinema</i>	Cobb	1920	4	Linhomoeidae	Monhysterida	+		
<i>Haliplectus</i>	Cobb	1913	31	Haliplectidae	Plectida	+	+	
<i>Halocercus</i>	Baylis & Daubney	1925	14	Metastrongylidae	Rhabditida	+		
<i>Halodorylaimus</i>	Andrassy	1988	3	Dorylaimidae	Dorylaimida	+		
<i>Halomonhystera</i>	Andrassy	2006	36	Monhysteridae	Monhysterida	+		
<i>Hamatospiculum</i>	Skryabin	1916	9	Diplotriaenidae	Spirurida			+
<i>Hammerschmidtella</i>	Chitwood	1932	15	Thelastomatidae	Spirurida			+
<i>Hapalomus</i>	Lorenzen	1969	2	Desmoscolecidae	Desmoscolecida	+		
<i>Haplacis</i>	Railliet & Henry	1916	1	Oxyuridae	Spirurida			+
<i>Haplodidentus</i>	Naidu & Thakare	1981	1	Quimperiidae	Spirurida		+	+
<i>Haplonema</i>	Ward & Magath	1917	7	Quimperiidae	Spirurida		+	
<i>Haptotricoma</i>	Lorenzen	1977	3	Meyliidae	Desmoscolecida	+		
<i>Haroldakis</i>	Inglis	1991	1	Heterakidae	Spirurida			+
<i>Harpagonchoides</i>	Platonova & Potin	1972	1	Chromadoridae	Chromadorida	+		
<i>Harpagonchus</i>	Platonova & Potin	1972	2	Chromadoridae	Chromadorida	+		
<i>Hartertia</i>	Seurat	1914	10	Hartertiidae	Spirurida			+
<i>Hartwichia</i>	Chabaud & Bain	1966	1	Ascarididae	Spirurida		+	+
<i>Hasanuddinia</i>	Hasegawa & Syafruddi	1994	5	Trichostrongylidae	Rhabditida			+
<i>Hasegawanema</i>	Durette-Desset & Digiani	2015	10	Trichostrongylidae	Rhabditida			+
<i>Hassalstrongylus</i>	Durette-Desset	1971	19	Trichostrongylidae	Rhabditida			+
<i>Hastospiculum</i>	Skryabin	1923	8	Diplotriaenidae	Spirurida			+
<i>Hatterianema</i>	Chabaud & Dollfus	1966	1	Heterakidae	Spirurida			+
<i>Haycocknema</i>	Spratt, Beveridge, Andrews & Dennett	1999	1	Robertdollfusidae	Muspiceida			+
<i>Hedruris</i>	Nitzsch	1812	20	Hedruridae	Spirurida		+	+
<i>Hekarella</i>	Hunt & Mohotti	2000	1	Carnoyidae	Rhigonematida			+
<i>Heleidomermis</i>	Rubtzov	1970	4	Mermithidae	Mermithida		+	
<i>Helicobelondira</i>	Yeates	1973	1	Mydonomidae	Dorylaimida			+
<i>Heliconema</i>	Travassos	1919	21	Physalopteridae	Spirurida	+	+	
<i>Helicotylenchus</i>	Steiner	1945	205	Hoplolaimidae	Panagrolaimida	+		+
<i>Heligmodentostoma</i>	Skryabin & Schulz	1952	1	Trichostrongylidae	Rhabditida			+
<i>Heligmonella</i>	Moennig	1927	4	Trichostrongylidae	Rhabditida			+
<i>Heligmonina</i>	Baylis	1928	20	Trichostrongylidae	Rhabditida			+
<i>Heligmonoides</i>	Baylis	1928	13	Trichostrongylidae	Rhabditida			+
<i>Heligmoptera</i>	Nadtochiy	1977	4	Trichostrongylidae	Rhabditida			+
<i>Heligmosomoides</i>	Hall	1916	36	Trichostrongylidae	Rhabditida			+
<i>Heligmosomum</i>	Railliet & Henry	1909	28	Trichostrongylidae	Rhabditida			+
<i>Heligmostrongylus</i>	Travassos	1917	9	Trichostrongylidae	Rhabditida			+

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<i>Heligmus</i>	Dujardin	1844	1	Anisakidae	Spirurida	+		
<i>Helionema</i>	Brzeski	1962	1	Parasitylenchidae	Panagrolaimida			+
<i>Helmabia</i>	Siddiqi	1971	6	Nordiidae	Dorylaimida			+
<i>Helminthoxys</i>	Freitas, Lent & Almeida	1937	9	Oxyuridae	Spirurida			+
<i>Hemicaloosia</i>	Ray & Das	1978	7	Hemicyclophoridae	Panagrolaimida			+
<i>Hemicriconemoides</i>	Chitwood & Birchfield	1957	56	Criconematidae	Panagrolaimida			+
<i>Hemicyclophora</i>	De-Man	1921	5	Hemicyclophoridae	Panagrolaimida			+
<i>Hemiplectus</i>	Zell	1991	1	Camacolaimidae	Plectida			+
<i>Hempelia</i>	Vaz	1937	1	Thelaziidae	Spirurida			+
<i>Hepatinema</i>	Rasheed	1964	2	Rhabdochonidae	Spirurida	+		
<i>Hepatojarakus</i>	Yeh	1955	4	Trichostrongylidae	Rhabditida			+
<i>Hepatospina</i>	Thieme	1961	1	Trichinellidae	Trichocephalida		+	
<i>Heptochona</i>	Rasheed	1965	7	Rhabdochonidae	Spirurida	+		
<i>Herpetostrongylus</i>	Baylis	1931	4	Trichostrongylidae	Rhabditida			+
<i>Heterakis</i>	Dujardin	1845	47	Heterakidae	Spirurida			+
<i>Heterocephalobellus</i>	Rashid Geraert & Sharma	1984	3	Cephalobidae	Panagrolaimida			+
<i>Heterocephalobus</i>	Brzeski	1960	4	Cephalobidae	Panagrolaimida			+
<i>Heterocheilus</i>	Diesing	1839	2	Heterocheilidae	Spirurida	+		
<i>Heterodera</i>	Schmidt	1871	86	Heteroderidae	Panagrolaimida	+		+
<i>Heterodorus</i>	Altherr	1952	10	Nordiidae	Dorylaimida			+
<i>Heterogonema</i>	Van-Waerebeke & Remillet	1971	1	Tetradonematidae	Mermithida			+
<i>Heteromorphotylenchus</i>	Remillet & Van-Waerebeke	1978	2	Parasitylenchidae	Panagrolaimida			+
<i>Heteromyoxyuris</i>	Quentin	1973	2	Oxyuridae	Spirurida			+
<i>Heteropleuronema</i>	Andrassy	1970	1	Neodiplogasteridae	Diplogasterida			+
<i>Heterorhabditis</i>	Poinar	1976	27	Heterorhabditidae	Rhabditida			+
<i>Heterospiculum</i>	Schigin	1951	2	Diplotrienidae	Spirurida			+
<i>Heterostrongylus</i>	Travassos	1925	1	Metastrongylidae	Rhabditida			+
<i>Heterotylenchus</i>	Bovien	1937	3	Parasitylenchidae	Panagrolaimida			+
<i>Heterotyphlum</i>	Spaul	1927	3	Raphidascarididae	Spirurida	+		+
<i>Heteroxynema</i>	Hall	1916	8	Heteroxynematidae	Spirurida			+
<i>Heth</i>	Cobb	1898	50	Hethidae	Rhigonematida			+
<i>Hexameris</i>	Steiner	1924	36	Mermithidae	Mermithida		+	+
<i>Hexametra</i>	Travassos	1919	12	Ascarididae	Spirurida			+
<i>Hexapapillostomum</i>	Lomakin	1991	1	Trichostrongylidae	Rhabditida		+	+
<i>Hexatyclus</i>	Goodey	1926	20	Neotylenchidae	Panagrolaimida			+
<i>Heydenius</i>	Taylor	1935	26	Mermithidae	Mermithida		+	
<i>Heynsaxonchium</i>	Coomans & Nair	1975	1	Belondiridae	Dorylaimida			+
<i>Hieminema</i>	Tchesunov & Portnova	2005	1	Monhysteridae	Monhysterida	+		
<i>Hilgertia</i>	Quentin	1973	2	Oxyuridae	Spirurida			+
<i>Himatidiophila</i>	Rahm	1924	1	Rhabditidae	Rhabditida		+	+
<i>Hippopotamenema</i>	Sagata & Buddhadeb	2015	1	Atractidae	Spirurida		+	+
<i>Hirschmanniella</i>	Luc & Goodey	1963	33	Pratylenchidae	Panagrolaimida	+	+	+
<i>Histiocephalus</i>	Diesing	1851	4	Habronematidae	Spirurida			+

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<i>Histiostrongylus</i>	Molin	1861	4	Trichostrongylidae	Rhabditida			+
<i>Histodytes</i>	Aragort, Alvarez, Iglesias, Leiro & Sanmartin	2002	1	Guyanemidae	Spirurida	+		
<i>Histotylenchus</i>	Siddiqi	1971	7	Telotylenchidae	Panagrolaimida			+
<i>Hoazinstrongylus</i>	Magalhaes, Pinto & Correa-Gomes	1985	1	Trichostrongylidae	Rhabditida			+
<i>Hoepplius</i>	Chu	1931	1	Oxyuridae	Spirurida			+
<i>Hofmaenneria</i>	Schneider	1940	8	Xyalidae	Monhysterida	+	+	
<i>Homungella</i>	Timm	1966	9	Homungellidae	Drilonematida			+
<i>Hoplodontophorus</i>	Turner	1921	1	Oxyuridae	Spirurida			+
<i>Hoplolaimus</i>	Daday	1905	44	Hoplolaimidae	Panagrolaimida			+
<i>Hoplotylus</i>	s'Jacob	1960	5	Hoplolaimidae	Panagrolaimida			+
<i>Hopperia</i>	Vitiello	1969	20	Comesomatidae	Monhysterida	+		
<i>Hovorkonema</i>	Jurasek	1977	3	Aproctidae	Spirurida			+
<i>Howardula</i>	Cobb	1921	25	Allantonematidae	Panagrolaimida			+
<i>Hsiungia</i>	Kung & Yang	1964	1	Strongylidae	Rhabditida			+
<i>Huffmanella</i>	Moravec	1987	17	Trichosomoididae	Trichocephalida	+		
<i>Hughjonstrongylus</i>	Digiani & Durette-Desset	2014	20	Trichostrongylidae	Rhabditida			+
<i>Hugotdiplogaster</i>	Morand & Barker	1995	1	Cephalobiidae	Diplogasterida		+	+
<i>Hugotnema</i>	Durette-Desset & Chabaud	1981	5	Trichostrongylidae	Rhabditida			+
<i>Hulqus</i>	Siddiqi	1981	3	Qudsianematidae	Dorylaimida			+
<i>Hyalaimus</i>	Cobb	1920	1	Oxystominidae	Ironida	+		
<i>Hydrochoerisnema</i>	Arantes & Artigas	1980	1	Trichostrongylidae	Rhabditida			+
<i>Hydromermis</i>	Corti	1902	50	Mermithidae	Mermithida		+	
<i>Hylonema</i>	Luc, Taylor & Cadet	1978	1	Heteroderidae	Panagrolaimida			+
<i>Hyostromylus</i>	Hall	1921	7	Trichostrongylidae	Rhabditida			+
<i>Hypocristata</i>	Durette-Desset	1971	3	Trichostrongylidae	Rhabditida			+
<i>Hypodontolaimus</i>	De-Man	1886	30	Chromadoridae	Chromadorida	+		
<i>Hypodontus</i>	Moennig	1929	1	Strongylidae	Rhabditida			+
<i>Hyptiolaimus</i>	Cobb	1930	1	Thoracostomopsidae	Enoplida	+		
<i>Hysterothyliacium</i>	Ward & Magath	1917	122	Raphidascarididae	Spirurida	+		
<i>Hystrichis</i>	Dujardin	1845	7	Diectophymatidae	Diectophymatida		+	
<i>Hystrignathus</i>	Leidy	1850	19	Hystrignathidae	Spirurida			+
<i>Ibipora</i>	Monteiro & Lordello	1977	5	Belonolaimidae	Panagrolaimida			+
<i>Ibrahimia</i>	Khalil	1932	1	Cosmocercidae	Spirurida			+
<i>Ichthyocephaloides</i>	Hunt & Sutherland	1984	5	Ichthyocephalidae	Rhigonematida			+
<i>Ichthyofilaria</i>	Yamaguti	1935	5	Skrjabillanidae	Spirurida		+	
<i>Ichthyostromylus</i>	Mawson	1954	2	Trichostrongylidae	Rhabditida	+		+
<i>Ichthyouris</i>	Inglis	1962	8	Pharyngodonidae	Spirurida		+	
<i>Icosiella</i>	Seurat	1917	5	Onchocercidae	Spirurida		+	+
<i>Ichthyocephalus</i>	Artigas	1926	15	Ichthyocephalidae	Rhigonematida			+
<i>Idioblaptus</i>	Andrassy	1973	1	Mermithidae	Mermithida		+	
<i>Idiodorylaimus</i>	Andrassy	1969	7	Dorylaimidae	Dorylaimida			+
<i>Idiuoxuris</i>	Hugot	1988	2	Oxyuridae	Spirurida			+

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<i>Ierstrongylus</i>	Cameron	1935	1	Trichostrongylidae	Rhabditida			+
<i>Illum</i>	Cobb	1920	2	Oncholaimidae	Oncholaimida	+		
<i>Immanigula</i>	Andrassy	1991	1	Belondiridae	Dorylaimida			+
<i>Imosermis</i>	Rubzov	1981	1	Mermithidae	Mermithida			+
<i>Impalaia</i>	Moennig	1923	4	Trichostrongylidae	Rhabditida			+
<i>Imparispiculus</i>	Luo, Jianzhong, Duo, Jiecaidan, & Chen-Gan	1988	1	Metastrongylidae	Rhabditida			+
<i>Incanema</i>	Andrassy	1997	1	Leptonchidae	Dorylaimida			+
<i>Incurvinema</i>	Deunff, Launay & Beaucornu	1985	1	Parasitylenchidae	Panagrolaimida			+
<i>Indiana</i>	Chakravarty	1943	3	Travassosinematidae	Spirurida			+
<i>Indocapillaria</i>	De & Maity	1995	1	Capillariidae	Trichocephalida	+	+	
<i>Indocephalobus</i>	Sagata & Buddhadeb	2014	1	Panagrolaimidae	Panagrolaimida			+
<i>Indoditylenchus</i>	Sinha, Choudhury & Baqri	1985	1	Anguinidae	Panagrolaimida	+		
<i>Indofilaria</i>	Alwar, Seneviratna & Gopal	1959	1	Filariidae	Spirurida			+
<i>Indorhabditis</i>	Chaturvedi & Khera	1979	1	Rhabditidae	Rhabditida			+
<i>Ingenia</i>	Gerlach	1957	1	Tripyloididae	Tripyloidida	+		
<i>Inglamidum</i>	Durette-Desset, Denke & Murua	1976	1	Trichostrongylidae	Rhabditida			+
<i>Inglechina</i>	Chabaud, Seureau, Beveridge, Bain & Durette-Desset	1980	2	Seuratidae	Spirurida			+
<i>Ingliseria</i>	Gibson	1968	1	Acuariidae	Spirurida			+
<i>Inglisonema</i>	Mawson	1968	2	Schneiderematidae	Spirurida			+
<i>Inglisubulura</i>	Devamma	1977	7	Subuluridae	Spirurida			+
<i>Ingwenascaris</i>	Junker & Mutafchiev	2017	4	Heterocheilidae	Spirurida		+	+
<i>Innocuonema</i>	Inglis	1969	10	Chromadoridae	Chromadorida	+		
<i>Intasia</i>	Tchesunov & Miljutin	2008	7	Diplopeltidae	Monhysterida	+		
<i>Ionema</i>	Cobb	1920	5	Camacolaimidae	Plectida	+		
<i>Iotonchium</i>	Cobb	1916	8	Iotonchiidae	Panagrolaimida			+
<i>Iotonchulus</i>	Andrassy	1993	4	Iotonchidae	Mononchida			+
<i>Iotonchus</i>	Cobb	1916	89	Iotonchidae	Mononchida		+	+
<i>Ipatjevimermis</i>	Mukhamedzyanova	1980	1	Mermithidae	Mermithida		+	
<i>Iponema</i>	Timm & Maggenti	1966	12	Drilonematidae	Drilonematida			+
<i>Irantylenchus</i>	Kheira	1972	1	Tylenchidae	Panagrolaimida			+
<i>Ironella</i>	Cobb	1920	3	Ironidae	Ironida	+		
<i>Ironus</i>	Bastian	1865	24	Ironidae	Ironida		+	+
<i>Isacanthonchus</i>	Gagarin & Nguyen	2008	1	Cyatholaimidae	Chromadorida	+		
<i>Ischilinema</i>	Carolina-Serrano & Digiani	2016	1	Trichostrongylidae	Rhabditida			+
<i>Ischiodorylaimus</i>	Andrassy	1969	13	Dorylaimidae	Dorylaimida		+	
<i>Isobinema</i>	Rao	1958	4	Travassosinematidae	Spirurida			+
<i>Isolaimium</i>	Timm	1969	11	Isolaimiidae	Mermithida			+
<i>Isomermis</i>	Coman	1953	11	Mermithidae	Mermithida		+	
<i>Isospirura</i>	Sood & Parshad	1972	1	Spiruridae	Spirurida			+

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<i>Isthmusimermis</i>	Gafurov	1980	6	Mermithidae	Mermithida		+	
<i>Itaguaiana</i>	Kloss	1959	2	Pseudonymidae	Spirurida			+
<i>Ivaschkinonema</i>	Erkulov	1975	1	Heteroxynematidae	Spirurida			+
<i>Ixonema</i>	Lorenzen	1971	3	Microlaimidae	Desmodorida	+		
<i>Jaidenema</i>	Jex, Schneider, Rose & Cribb	2006	1	Thelastomatidae	Spirurida			+
<i>Japanema</i>	Moosavi, Aliramaji, Pourjam & Pedram	2014	1	Aphelenchoididae	Panagrolaimida			+
<i>Jarryella</i>	Van-Waerebeke & Remillet	1973	2	Pseudonymidae	Spirurida			+
<i>Javellia</i>	Ricci	1939	1	Strongylidae	Rhabditida			+
<i>Jensenonchus</i>	Jairajpuri & Khan	1982	6	Iotonchidae	Mononchida		+	
<i>Jibacoa</i>	Coy, Otero, Garcia & Alvarez	1993	2	Hystriognathidae	Spirurida			+
<i>Johnpearsonia</i>	Durette-Desset, Ben-Slimane, Cassone, Barton & Chabaud	1994	1	Trichostrongylidae	Rhabditida		+	+
<i>Johnstonia</i>	Basir	1966	7	Thelastomatidae	Spirurida			+
<i>Johnstonmawsonia</i>	Campana-Rouget	1955	7	Rhabdochonidae	Spirurida	+		
<i>Johnstonmawsonoides</i>	Machida	1975	1	Rhabdochonidae	Spirurida	+		
<i>Josefilaria</i>	Moorhouse, Bain & Wolf	1979	1	Onchocercidae	Spirurida			+
<i>Judonchulus</i>	Andrassy	1958	3	Mylonchulidae	Mononchida			+
<i>Justinema</i>	R'kha & Durette-Desset	1991	3	Trichostrongylidae	Rhabditida			+
<i>Kahmannia</i>	Mas-Coma & Esteban	1982	1	Heteroxynematidae	Spirurida			+
<i>Kalicephalus</i>	Molin	1861	40	Ancylostomatidae	Rhabditida			+
<i>Kallidorylaimus</i>	Andrassy	1989	1	Qudsianematidae	Dorylaimida			+
<i>Kalmanmolnaria</i>	Sokolov	2006	1	Skrjabillanidae	Spirurida		+	
<i>Kamegainema</i>	Hasegawa, Doi, Araki & Miyata	2000	1	Micropleuridae	Spirurida		+	
<i>Kantbhala</i>	Siddiqi	1982	5	Tylencholaimidae	Dorylaimida			+
<i>Karkinochromadora</i>	Blome	1982	1	Chromadoridae	Chromadorida	+		
<i>Kashmira</i>	Shah, Siddiqi & Handoo	2015	1	Aphelenchoididae	Panagrolaimida		+	+
<i>Kathlania</i>	Lane	1914	5	Kathlaniidae	Spirurida	+	+	+
<i>Kentropyxia</i>	Baker	1982	3	Trichostrongylidae	Rhabditida		+	+
<i>Kenyanema</i>	Muthumbi, Soetaert & Vincx	1997	1	Comesomatidae	Monhysterida	+		
<i>Keralanema</i>	Siddiqi	2003	1	Chronogasteridae	Plectida			+
<i>Keratonema</i>	Gourbault & Decraemer	1986	1	Epsilonematidae	Desmodorida	+		
<i>Khalilia</i>	Neveu-Lemaire	1924	4	Strongylidae	Rhabditida			+
<i>Kiluluma</i>	Skryabin	1916	15	Strongylidae	Rhabditida			+
<i>Kinonchulus</i>	Riemann	1972	1	Onchulidae	Tripylida		+	
<i>Kirjanovia</i>	Ivanova	1969	1	Elaphonematidae	Panagrolaimida			+
<i>Kittidorylaimus</i>	Andrassy	1999	1	Dorylaimidae	Dorylaimida			+
<i>Kiwinema</i>	Inglis & Harris	1990	1	Heterakidae	Spirurida			+
<i>Klossiella</i>	Cordeira	1981	3	Hystriognathidae	Spirurida			+
<i>Klossinemella</i>	Goncalves-Da-Costa	1961	4	Atractidae	Spirurida		+	
<i>Klossnema</i>	Cordeira	1981	1	Hystriognathidae	Spirurida			+

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<i>Klugea</i>	Filipjev	1927	8	Phanodermatidae	Enoplida	+		
<i>Kochinema</i>	Heyns	1963	8	Nordiidae	Dorylaimida			+
<i>Koerneria</i>	Meyl	1960	8	Diplogasteridae	Diplogasterida	+	+	+
<i>Kolodorylaimus</i>	Andrassy	1999	1	Qudsianematidae	Dorylaimida			+
<i>Kosswigonema</i>	Gerlach	1964	1	Selachinematidae	Selachinematida	+		
<i>Krampia</i>	Ditlevsen	1921	3	Oncholaimidae	Oncholaimida	+		
<i>Kraspedonema</i>	Gerlach	1956	1	Cyatholaimidae	Chromadorida	+		
<i>Krefftasaris</i>	Sprent	1980	1	Ascarididae	Spirurida		+	+
<i>Kreisiella</i>	Jones	1985	2	Physalopteridae	Spirurida			+
<i>Kreisoncholaimus</i>	Rachor	1969	1	Oncholaimidae	Oncholaimida	+		
<i>Kreisonema</i>	Khera	1969	1	Achromadoridae	Chromadorida		+	
<i>Krishnasamyos</i>	Celina-Digiani & Durette-Desset	2014	1	Trichostrongylidae	Rhabditida			+
<i>Kuala</i>	Durette-Desset & Krishnasamy	1976	2	Trichostrongylidae	Rhabditida			+
<i>Kunjudorylaimus</i>	Dhanam & Jairajpuri	2000	2	Dorylaimidae	Dorylaimida			+
<i>Kuntzistrongylus</i>	Lichtenfels	1980	1	Strongylidae	Rhabditida			+
<i>Kurikania</i>	Tsalolikhin	1976	2	Tobrilidae	Tripylida		+	
<i>Kurochkinitylenchus</i>	Slobodyanyuk	1999	1	Parasitylenchidae	Panagrolaimida			+
<i>Labeonema</i>	Puylaert	1970	6	Atractidae	Spirurida		+	
<i>Labiduris</i>	Schneider	1866	1	Atractidae	Spirurida			+
<i>Labibulura</i>	Skryabin & Schikhobalova	1948	6	Subuluridae	Spirurida			+
<i>Labiostomum</i>	Akhtar	1941	8	Heteroxynematidae	Spirurida			+
<i>Labiostrongylus</i>	Yorke & Maplestone	1926	42	Strongylidae	Rhabditida			+
<i>Labronema</i>	Thorne	1939	54	Qudsianematidae	Dorylaimida	+		+
<i>Labronemella</i>	Andrassy	1985	12	Qudsianematidae	Dorylaimida		+	+
<i>Labrys</i>	Qing & Bert	2018	8	Tylenchidae	Panagrolaimida			+
<i>Laevides</i>	Heyns	1968	12	Nygolaimidae	Dorylaimida		+	+
<i>Lagenonema</i>	Andrassy	1987	6	Dorylaimidae	Dorylaimida			+
<i>Lagochilascaris</i>	Leiper	1909	5	Ascarididae	Spirurida			+
<i>Lagostonema</i>	Sutton & Durette-Desset	1987	1	Trichostrongylidae	Rhabditida			+
<i>Lagostrongylus</i>	Fukumoto, Kamiya & Ohbayashi	1986	3	Trichostrongylidae	Rhabditida			+
<i>Laimaphelenchus</i>	Fuchs	1937	19	Aphelenchoididae	Panagrolaimida			+
<i>Laimella</i>	Cobb	1920	7	Comesomatidae	Monhysterida	+		
<i>Laimydorus</i>	Siddiqi	1969	91	Dorylaimidae	Dorylaimida	+	+	+
<i>Lamanema</i>	Becklund	1963	1	Trichostrongylidae	Rhabditida			+
<i>Lamyronema</i>	Leduc	2015	1	Xyalidae	Monhysterida	+		
<i>Lanceimermis</i>	Artyukhovsky	1969	23	Mermithidae	Mermithida		+	
<i>Lanzavecchia</i>	Zullini	1988	3	Nordiidae	Dorylaimida	+	+	+
<i>Lappetascaris</i>	Rasheed	1965	3	Raphidascarididae	Spirurida	+		
<i>Lappnema</i>	Bain & Nikander	1983	1	Robertdollfusidae	Muspiceida			+
<i>Latocephalus</i>	Patil & Khan	1982	9	Qudsianematidae	Dorylaimida			+
<i>Latronema</i>	Weiser	1954	10	Choanolaimidae	Selachinematida	+		
<i>Lauratonema</i>	Gerlach	1953	13	Lauratonematidae	Trefusiida	+		

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<i>Lauratonemella</i>	Tchesunov	1984	1	Lauratonematidae	Trefusiida	+		
<i>Lauratonemoides</i>	De-Coninck	1965	2	Lauratonematidae	Trefusiida	+		
<i>Lauroia</i>	Proenca	1938	4	Aspidoderidae	Spirurida			+
<i>Lauronema</i>	Almeida	1938	1	Hystriognathidae	Spirurida			+
<i>Laurophragus</i>	Nesterov	1976	1	Belondiridae	Dorylaimida			+
<i>Laurostrongylus</i>	Durette-Desset & Chabaud	1992	1	Trichostrongylidae	Rhabditida			+
<i>Laurotravassoxyuris</i>	Vigueras	1938	1	Pharyngodonidae	Spirurida		+	
<i>Lawtonema</i>	Siddiqi	1999	1	Tylencholaimidae	Dorylaimida			+
<i>Laxamphidelus</i>	Siddiqi	1993	6	Alaimidae	Alaimida			+
<i>Laxonema</i>	Cobb	1920	1	Desmodoridae	Desmodorida	+		
<i>Laxus</i>	Cobb	1894	9	Desmodoridae	Desmodorida	+		
<i>Ledovitia</i>	Filipjev	1927	10	Enchelidiidae	Oncholaimida	+		
<i>Leidynema</i>	Schwenck in Travassos	1929	12	Thelastomatidae	Spirurida			+
<i>Leidynemella</i>	Chitwood & Chitwood	1934	4	Thelastomatidae	Spirurida			+
<i>Leiperenia</i>	Khalil	1922	3	Atractidae	Spirurida			+
<i>Leiperiatus</i>	Sandground	1929	1	Trichostrongylidae	Rhabditida		+	+
<i>Leipernema</i>	Narayan Singh	1976	1	Strongyloidea	Panagrolaimida			+
<i>Leipoanema</i>	Johnston & Mawson	1942	1	Subuluridae	Spirurida			+
<i>Leiuris</i>	Leuckart	1850	3	Spirocercidae	Spirurida			+
<i>Lelenchus</i>	Andrassy	1954	5	Ecphyadophoridae	Panagrolaimida			+
<i>Lemdana</i>	Seurat	1917	12	Onchocercidae	Spirurida			+
<i>Lemuricola</i>	Chabaud & Petter	1959	9	Oxyuridae	Spirurida			+
<i>Lemurostrongylus</i>	Chabaud, Brygoo & Petter	1961	1	Strongylidae	Rhabditida			+
<i>Lenonchium</i>	Siddiqi	1965	9	Nordiidae	Dorylaimida		+	
<i>Lepidonema</i>	Cobb	1898	3	Hystriognathidae	Spirurida			+
<i>Leptepsilonema</i>	Clasing	1983	10	Epsilonematidae	Desmodorida	+		
<i>Leptodera</i>	Dujardin	1845	1	Alloionematidae	Panagrolaimida			+
<i>Leptojaacobus</i>	Kanzaki, Ragsdale, Susoy & Sommer	2014	1	Diplogasteridae	Diplogasterida			+
<i>Leptolaimoides</i>	Vitiello	1971	9	Leptolaimidae	Leptolaimida	+		
<i>Leptolaimus</i>	De-Man	1876	39	Leptolaimidae	Leptolaimida	+		
<i>Leptonchus</i>	Cobb	1920	12	Leptonchidae	Dorylaimida			+
<i>Leptonemella</i>	Cobb	1920	11	Desmodoridae	Desmodorida	+		
<i>Leptoplectonema</i>	Coomans & Raski	1991	1	Leptolaimidae	Leptolaimida	+		
<i>Leptosomatides</i>	Filipjev	1918	9	Leptosomatidae	Ironida	+		
<i>Leptosomatina</i>	Allgen	1951	3	Leptosomatidae	Ironida	+		
<i>Leptosomatium</i>	Bastian	1865	29	Leptosomatidae	Ironida	+		
<i>Leptosomella</i>	Filipjev	1927	2	Leptosomatidae	Ironida	+		
<i>Lepusius</i>	Farooq & Khatoon	1995	1	Oxyuridae	Spirurida			+
<i>Lesjan</i>	Brzeski	1985	1	Mesorhabditidae	Rhabditida		+	+
<i>Lesleyella</i>	Durette-Desset & Digiani	2015	1	Trichostrongylidae	Rhabditida			+
<i>Levipalatum</i>	Ragsdale, Kanzaki & Sommer	2014	1	Diplogasteridae	Diplogasterida			+
<i>Libyostrongylus</i>	Lane	1923	6	Trichostrongylidae	Rhabditida			+

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<i>Limnomermis</i>	Daday	1911	28	Mermithidae	Mermithida		+	
<i>Limonchulus</i>	Andrassy	1963	4	Onchulidae	Tripylida		+	
<i>Linhomoella</i>	Cobb	1920	1	Linhomoeidae	Monhysterida	+		
<i>Linhomoeus</i>	Bastian	1865	16	Linhomoeidae	Monhysterida	+		
<i>Linhystra</i>	Juario	1974	6	Xyalidae	Monhysterida	+		
<i>Linolaimus</i>	Cobb	1933	1	Diplopeltidae	Monhysterida	+		
<i>Linseyus</i>	Ferris & Ferris	1973	4	Belondiridae	Dorylaimida			+
<i>Linstowimermis</i>	Rubtsov	1978	3	Mermithidae	Mermithida			+
<i>Linstowinema</i>	Smales	1997	13	Seuratidae	Spirurida			+
<i>Linstrongylus</i>	Vaucher & Durette-Desset	1986	1	Trichostrongylidae	Rhabditida			+
<i>Lispirurus</i>	Eberli	2017	4	Habronematidae	Spirurida			+
<i>Listia</i>	Blome	1982	3	Camacolaimidae	Plectida	+		
<i>Litinium</i>	Cobb	1920	20	Oxystominidae	Ironida	+		
<i>Litoditis</i>	Sudhaus	2011	4	Rhabditidae	Rhabditida	+		
<i>Litomosa</i>	Yorke & Maplestone	1926	17	Onchocercidae	Spirurida			+
<i>Litomosoides</i>	Chandler	1931	40	Onchocercidae	Spirurida			+
<i>Litonema</i>	Cobb	1920	1	Oxystominidae	Ironida	+		
<i>Litotes</i>	Cobb	1920	1	Monhysteridae	Monhysterida	+	+	+
<i>Litylenchus</i>	Zhao, Davies, Alexander & Riley	2011	2	Anguinidae	Panagrolaimida			+
<i>Loa</i>	Stiles	1905	4	Onchocercidae	Spirurida			+
<i>Loaina</i>	Eberhard & Orihel	1984	2	Onchocercidae	Spirurida			+
<i>Lobatorobius</i>	Skryabin & Schikhobalova in Skryabin	1951	1	Oxyuridae	Spirurida			+
<i>Lobocapillaria</i>	Moravec & Beveridge	2017	4	Capillariidae	Trichocephalida	+		
<i>Lobocriconema</i>	De-Grisse & Loof	1965	23	Criconematidae	Panagrolaimida			+
<i>Lockenloia</i>	Adamson & Caira	1991	1	Dracunculidae	Spirurida	+		
<i>Loffienema</i>	Shah, Allie, Vaid & Handoo	2018	1	Rhabditidae	Rhabditida			+
<i>Loncharionema</i>	Goseco, Ferris & Ferris	1974	2	Tylencholaimidae	Dorylaimida			+
<i>Longibucca</i>	Chitwood	1933	3	Diplogasteridae	Diplogasterida			+
<i>Longibulbophora</i>	Yeates	1967	2	Diphtherophoridae	Triplonchida			+
<i>Longicyatholaimus</i>	Micoletzky	1924	16	Cyatholaimidae	Chromadorida	+		
<i>Longidorella</i>	Thorne	1939	30	Nordiidae	Dorylaimida			+
<i>Longidoroides</i>	Khan, Chawla & Saha	1978	18	Longidoridae	Dorylaimida			+
<i>Longidorus</i>	Micoletzky	1922	183	Longidoridae	Dorylaimida			+
<i>Longilaimus</i>	Allgen	1958	2	Monhysteridae	Monhysterida	+		
<i>Longimermis</i>	Camino & Stock	1990	1	Mermithidae	Mermithida		+	+
<i>Longior</i>	Travassos & Kloss	1958	4	Hystriognathidae	Spirurida			+
<i>Longistriata</i>	Schulz	1926	71	Trichostrongylidae	Rhabditida			+
<i>Longistrongylus</i>	Le-Roux	1931	9	Trichostrongylidae	Rhabditida			+
<i>Longitubopharynx</i>	Allgen	1959	1	Haliplectidae	Plectida	+		
<i>Loofilaimus</i>	Jarajpuri, Ahmad & Sturhan	1998	1	Qudsianematidae	Dorylaimida			+
<i>Lordellonema</i>	Andrassy	1959	17	Qudsianematidae	Dorylaimida			+

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<i>Loxodontofilaria</i>	Berghe & Gillain	1939	13	Onchocercidae	Spirurida			+
<i>Lucionema</i>	Moravec, Molnar & Szekeley	1998	1	Lucionematidae	Spirurida		+	
<i>Luella</i>	Massey	1974	1	Neotylenchidae	Panagrolaimida			+
<i>Lugameris</i>	Rubtsov	1978	2	Mermithidae	Mermithida		+	
<i>Lukonema</i>	Chabaud & Bain	1974	1	Muspiceidae	Muspiceida			+
<i>Lutzinema</i>	Lent & Freitas	1934	1	Trichostrongylidae	Rhabditida			+
<i>Luzonema</i>	Rodrigues, Varela, Rodrigues & Cristofaro	1973	1	Seuratidae	Spirurida	+		
<i>Lyranema</i>	Timm	1961	1	Enchelidiidae	Oncholaimida	+		
<i>Macacanema</i>	Schad & Anderson	1963	1	Onchocercidae	Spirurida		+	+
<i>Macdonaldius</i>	Khanna	1933	4	Onchocercidae	Spirurida			+
<i>Maciela</i>	Travassos	1935	8	Trichostrongylidae	Rhabditida			+
<i>Mackerrastrongylus</i>	Mawson	1960	4	Trichostrongylidae	Rhabditida			+
<i>Macramphida</i>	Timm	1966	1	Pharyngonematidae	Drilonematida			+
<i>Macrochromadora</i>	Kreis	1929	1	Chromadoridae	Chromadorida	+		
<i>Macrodontium</i>	Armenteros, Vincx & Decraemer	2010	1	Microlaimidae	Desmodorida	+		
<i>Macrolaimellus</i>	Andrassy	1966	4	Cephalobidae	Panagrolaimida			+
<i>Macrolaimus</i>	Maupas	1900	12	Chambersiellidae	Diplogasterida			+
<i>Macronchus</i>	Inglis	1964	1	Leptosomatidae	Ironida	+		
<i>Macropicola</i>	Mawson	1978	1	Strongylidae	Rhabditida			+
<i>Macroponema</i>	Mawson	1978	2	Strongylidae	Rhabditida			+
<i>Macropostrongyloides</i>	Yamaguti	1961	5	Strongylidae	Rhabditida			+
<i>Macropostrongylus</i>	Yorke & Maplestone	1926	6	Strongylidae	Rhabditida			+
<i>Macropoxyuris</i>	Mawson	1964	2	Oxyuridae	Spirurida			+
<i>Macrostrongylus</i>	Ow-Yang, Durette-Desset & Ohbayashi	1983	3	Trichostrongylidae	Rhabditida			+
<i>Macrotobrilus</i>	Tsalolikhin	1981	1	Tobrilidae	Tripylida		+	
<i>Macrotrophurus</i>	Loof	1958	1	Telotylenchidae	Panagrolaimida			+
<i>Macuahuitloides</i>	Jimenez, Peralta-Rodriguez, Caspeta-Mandujano & Ramirez-Diaz	2014	1	Trichostrongylidae	Rhabditida			+
<i>Madafilaroides</i>	Chabaud & Brygoo	1960	1	Metastrongylidae	Rhabditida			+
<i>Madangiostrongylus</i>	Chabaud & Brygoo	1960	1	Metastrongylidae	Rhabditida			+
<i>Madathamugadia</i>	Chabaud, Anderson & Brygoo	1959	7	Onchocercidae	Spirurida			+
<i>Madelinema</i>	Schmidt & Kuntz	1971	1	Schneideriidae	Spirurida			+
<i>Madochotera</i>	Bain & Brunhes	1968	1	Onchocercidae	Spirurida		+	+
<i>Mainspinostrongylus</i>	Kalyankar & Palladwar	1989	1	Trichostrongylidae	Rhabditida			+
<i>Makatinus</i>	Heyns	1965	10	Aporcelaimidae	Dorylaimida			+
<i>Malastrongylus</i>	Ow-Yang, Durette-Desset & Ohbayashi	1983	1	Trichostrongylidae	Rhabditida			+
<i>Malakhovia</i>	Tchesunov & Gagarin	1999	1	Andrassyidae	Ironida			+
<i>Malaspinanema</i>	Jex, Schneider, Rose & Cribb	2005	1	Thelastomatidae	Spirurida			+

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<i>Malayfilaria</i>	Uni, Mat-Udin & Takaoka in Uni, Udin, Agatsuma Saijntha, Junker, Ramli, Omar, Lim, Sivanandam, Lefoulon, Martin, Belabut, Kasim, Halim, Zainuri, Bhassu, Fukuda, Matsubayashi, Harada, Low, Chen, Suganuma, Hashim, Takaoka & Azirun	2017	1	Onchocercidae	Spirurida			+
<i>Malayocamallanus</i>	Jothy & Fernando	1971	1	Camallanidae	Spirurida		+	
<i>Malayometastrongylus</i>	Gibbons & Krishnasamy	1986	1	Metastrongylidae	Rhabditida			+
<i>Maldivea</i>	Gerlach	1962	3	Oxystominidae	Ironida	+		
<i>Malekus</i>	Thorne	1974	2	Nordiidae	Dorylaimida			+
<i>Malenchus</i>	Andrassy	1968	46	Tylenchidae	Panagrolaimida			+
<i>Malvinema</i>	Digiani, Sutton & Durette-Desset	2003	4	Trichostrongylidae	Rhabditida		+	+
<i>Mammalakis</i>	Inglis	1991	3	Heterakidae	Spirurida			+
<i>Mammanidula</i>	Sadovskaja	1952	3	Trichostrongylidae	Rhabditida			+
<i>Mammomonogamus</i>	Ryjkov	1948	6	Strongylidae	Rhabditida			+
<i>Manganonema</i>	Bussau	1993	12	Xyalidae	Monhysterida	+		
<i>Mansonella</i>	Faust	1929	29	Onchocercidae	Spirurida			+
<i>Manunema</i>	Gerlach	1957	3	Peresianidae	Plectida	+		
<i>Maplestonema</i>	Johnston & Mawson	1939	1	Strongylidae	Rhabditida			+
<i>Maracaya</i>	Díaz-Ungria	1964	5	Cosmocercidae	Spirurida			+
<i>Maragnopsia</i>	Leduc	2016	1	Microlaimidae	Desmodorida	+		
<i>Margaronchuloides</i>	Ahmad & Jairajpuri	2010	1	Mylonchulidae	Mononchida			+
<i>Margaronchulus</i>	Andrassy	1972	1	Mylonchulidae	Mononchida			+
<i>Margollus</i>	Pena-Santaigo, Peralta & Siddiqi	1993	4	Leptonchidae	Dorylaimida			+
<i>Margonema</i>	Cobb	1920	2	Axonolaimidae	Monhysterida	+		
<i>Marimermis</i>	Rubzov & Platonova	1974	1	Marimermithidae	Marimermithida	+		
<i>Mariostrongylus</i>	Teixeira de Freitas & Franco	1967	1	Metastrongylidae	Rhabditida			+
<i>Mariporrocaecum</i>	Sheenko	1985	1	Ascarididae	Spirurida	+		
<i>Marisalbinema</i>	Tchesunov	1990	1	Xyalidae	Monhysterida	+		
<i>Marispelodera</i>	Belogurov	1977	1	Mesorhabditidae	Rhabditida	+		
<i>Marshallagia</i>	Orloff	1933	23	Trichostrongylidae	Rhabditida			+
<i>Marsupostrongylus</i>	Mackerras & Sandars	1933	11	Metastrongylidae	Rhabditida			+
<i>Martadamsonius</i>	Van-Waerebeke	1987	3	Ransomnematidae	Rhigonematida			+
<i>Martininema</i>	Davies, Ye, Kanzaki, Bartholomaeus, Zeng & Giblin-Davis	2015	4	Aphelenchoididae	Panagrolaimida			+
<i>Marylynnia</i>	Hopper	1977	21	Cyatholaimidae	Chromadorida	+		
<i>Maseria</i>	Rausch & Rausch	1983	1	Muspiceidae	Muspiceida			+
<i>Mastigonema</i>	Dailey & Perrin	1973	1	Spiruridae	Spirurida	+		
<i>Mastigospirura</i>	Machida & Syahailatua	1994	1	Cystidicolidae	Spirurida	+		

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<i>Mastophorus</i>	Diesing	1853	4	Spirocercidae	Spirurida			+
<i>Matthesonema</i>	Osche	1955	2	Rhabditidae	Rhabditida	+		
<i>Maupasina</i>	Seurat	1913	2	Maupasiniidae	Spirurida			+
<i>Mawsonascaris</i>	Sprent	1990	7	Raphidascarididae	Spirurida	+		
<i>Mawsonema</i>	Smales & Heinrich	2010	3	Trichostrongylidae	Rhabditida			+
<i>Mawsonfilaria</i>	Anderson & Chabaud	1958	1	Aproctidae	Spirurida			+
<i>Maxomystrongylus</i>	Hasegawa & Syafruddi	1997	2	Trichostrongylidae	Rhabditida			+
<i>Maxvachonia</i>	Chabaud & Brygoo	1960	6	Cosmocercidae	Spirurida		+	+
<i>Mazzia</i>	Khalil & Vogelsang	1932	2	Spirocercidae	Spirurida			+
<i>Mbaisonema</i>	Beveridge	1997	1	Strongylidae	Rhabditida			+
<i>Mbanema</i>	Spiridonov	1992	1	Drilonematidae	Drilonematida			+
<i>Mecistocirrus</i>	Railliet & Henry	1912	1	Trichostrongylidae	Rhabditida			+
<i>Medibulla</i>	Siddiqi	1993	2	Diplogasteridae	Diplogasterida			+
<i>Mediolaimus</i>	Tahseen, Sultana, Khan & Hussain,	2012	1	Rhabdolaimidae	Ironida			+
<i>Megacooperia</i>	Khalil & Gibbons	1976	1	Trichostrongylidae	Rhabditida			+
<i>Megadesmolaimus</i>	Wieser	1954	8	Linhomoeidae	Monhysterida	+		
<i>Megadontolaimus</i>	Timm	1969	2	Chromadoridae	Chromadorida	+		
<i>Megalamphis</i>	Timm	1961	1	Xyalidae	Monhysterida	+		
<i>Megalobatrachonema</i>	Yamaguti	1941	8	Kathlaniidae	Spirurida		+	+
<i>Megalomermis</i>	Mueller	1931	1	Mermithidae	Mermithida			+
<i>Megamphidelus</i>	Siddiqi	1993	1	Alaimidae	Alaimida			+
<i>Megaonchulus</i>	Jairajpuri & Khan	1982	1	Mylonchulidae	Mononchida			+
<i>Mehdiascaris</i>	Kalyankar	1969	2	Ascarididae	Spirurida	+		
<i>Mehdiella</i>	Seurat	1918	7	Pharyngodonidae	Spirurida			+
<i>Mehdilaimus</i>	Prabha	1974	1	Aulolaimidae	Mermithida			+
<i>Mehdinema</i>	Farooqui	1967	2	Cephalobiidae	Diplogasterida			+
<i>Meiodorus</i>	Siddiqi	1976	4	Telotylenchidae	Panagrolaimida			+
<i>Meloidodera</i>	Chitwood, Hannon & Esser	1956	11	Heteroderidae	Panagrolaimida			+
<i>Meloidoderella</i>	Khan	1972	1	Meloidogynidae	Panagrolaimida			+
<i>Meloidoderita</i>	Pogosian	1966	5	Sphaeronematidae	Panagrolaimida	+		+
<i>Meloidogyne</i>	Goeldi	1887	110	Meloidogynidae	Panagrolaimida	+	+	+
<i>Meloinema</i>	Choi & Geraert	1973	5	Meloidogynidae	Panagrolaimida			+
<i>Melolonthinimermis</i>	Artyukhovsky	1963	5	Mermithidae	Mermithida			+
<i>Melomystrongylus</i>	Smales	2009	5	Trichostrongylidae	Rhabditida			+
<i>Meningonema</i>	Orihel & Esslinger	1973	1	Onchocercidae	Spirurida			+
<i>Mentecle</i>	Travassos & Kloss	1958	3	Hystriognathidae	Spirurida			+
<i>Merlinius</i>	Siddiqi	1970	36	Telotylenchidae	Panagrolaimida			+
<i>Mermis</i>	Dujardin	1842	10	Mermithidae	Mermithida		+	+
<i>Mermithonema</i>	Goodey	1941	1	Tetradonematidae	Mermithida			+
<i>Mertensinema</i>	Sharpilo	1976	2	Trichostrongylidae	Rhabditida		+	
<i>Mesacanthion</i>	Filipjev	1927	49	Thoracostomopsidae	Enoplida	+	+	
<i>Mesacanthoides</i>	Wieser	1953	8	Thoracostomopsidae	Enoplida	+		
<i>Mesamidostomum</i>	Lomakin	1991	2	Trichostrongylidae	Rhabditida		+	+
<i>Mesidionema</i>	Poinar	1978	3	Mesidionematidae	Drilonematida			+

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<i>Mesocriconema</i>	Andrassy	1965	88	Criconematidae	Panagrolaimida			+
<i>Mesodorylaimus</i>	Andrassy	1959	150	Dorylaimidae	Dorylaimida	+	+	+
<i>Mesomermis</i>	Daday	1911	45	Mermithidae	Mermithida		+	
<i>Mesonema</i>	Pierantoni	1916	4	Drilonematidae	Drilonematida			+
<i>Mesorhabditis</i>	Osche	1952	19	Mesorhabditidae	Rhabditida		+	+
<i>Metabronema</i>	Yorke & Maplestone	1926	6	Cystidicolidae	Spirurida	+		
<i>Metachromadora</i>	Filipjev	1918	39	Desmodoridae	Desmodorida	+		
<i>Metachromadoroides</i>	Timm	1961	2	Desmodoridae	Desmodorida	+		
<i>Metacomesoma</i>	Wieser	1954	4	Comesomatidae	Monhysterida	+		
<i>Metacrobeles</i>	Loof	1962	3	Metacrobelidae	Panagrolaimida			+
<i>Metacrolobus</i>	Vinciguerra	1994	1	Cephalobidae	Panagrolaimida			+
<i>Metactinolaimus</i>	Meyl	1957	2	Actinolaimidae	Dorylaimida		+	
<i>Metacyatholaimus</i>	Schuermans-Stekhoven	1942	9	Cyatholaimidae	Chromadorida	+		
<i>Metacylicolaimus</i>	Schuermans-Stekhoven	1946	3	Leptosomatidae	Ironida	+		
<i>Metacyrnea</i>	Chabaud	1960	1	Habronematidae	Spirurida			+
<i>Metadasynemella</i>	De-Coninck	1942	3	Ceramonematidae	Leptolaimida	+		
<i>Metadasynemoides</i>	Haspesslagh	1973	3	Ceramonematidae	Leptolaimida	+		
<i>Metadesmodora</i>	Schuermans-Stekhoven	1942	2	Desmodoridae	Desmodorida	+		
<i>Metadesmolaimus</i>	Stekhoven	1935	17	Xyalidae	Monhysterida	+		
<i>Metadorylaimus</i>	Jairajpuri & Goodey	1966	1	Tylencholaimidae	Dorylaimida			+
<i>Metaglochinema</i>	Gourbault & Decraemer	1986	1	Epsilonematidae	Desmodorida	+		
<i>Metalaimus</i>	Kreis	1928	4	Linhomoeidae	Monhysterida	+		
<i>Metalinhomoeus</i>	De-Man	1907	30	Linhomoeidae	Monhysterida	+		
<i>Metamphidelus</i>	Clausi & Vinciguerra	1995	3	Alaimidae	Alaimida			+
<i>Metanisakis</i>	Mozgovoi	1951	5	Anisakidae	Spirurida	+		
<i>Metaparasylenchus</i>	Wachek	1955	13	Allantonematidae	Panagrolaimida			+
<i>Metaparoncholaimus</i>	De-Coninck & Schuurmans-Stekhoven	1933	5	Oncholaimidae	Oncholaimida	+		
<i>Metaphanoderma</i>	Platonova	1984	3	Phanodermatidae	Enoplida	+		
<i>Metaporcelaimus</i>	Lordello	1965	19	Aporcelaimidae	Dorylaimida			+
<i>Metaraeolaimoides</i>	De-Coninck	1936	1	Diplopeltidae	Monhysterida	+		
<i>Metarhabditis</i>	Tahseen, Hussain, Tomar, Shah & Jairajpuri	2004	15	Rhabditidae	Rhabditida			+
<i>Metasabatiera</i>	Timm	1961	1	Comesomatidae	Monhysterida	+		
<i>Metascaris</i>	Schuermans-Stekhoven	1950	1	Ascarididae	Spirurida			+
<i>Metasphaerolaimus</i>	Gourbault & Boucher	1982	11	Sphaerolaimidae	Monhysterida	+		
<i>Metastrongylus</i>	Molin	1861	7	Metastrongylidae	Rhabditida			+
<i>Metateratocephalus</i>	Eroshenko	1973	3	Metateratocephalidae	Plectida		+	+
<i>Metathelazia</i>	Skinker	1931	6	Pneumospiruridae	Spirurida			+
<i>Metaxonchium</i>	Coomans & Nair	1975	39	Belondiridae	Dorylaimida			+
<i>Metenoploides</i>	Wieser	1953	2	Thoracostomopsidae	Enoplida	+		
<i>Metepsilonema</i>	Steiner	1927	17	Epsilonematidae	Desmodorida	+		
<i>Meteterakis</i>	Karve	1930	34	Heterakidae	Spirurida		+	+
<i>Metheligmonea</i>	Durette-Desset	1971	2	Trichostrongylidae	Rhabditida			+
<i>Metoncholaimoides</i>	Weiser	1953	3	Oncholaimidae	Oncholaimida	+		

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<i>Metoncholaimus</i>	Filipjev	1918	30	Oncholaimidae	Oncholaimida	+		
<i>Mexiconema</i>	Moravec, Vidal & Salgado-Maldonado	1992	2	Daniconematidae	Spirurida		+	
<i>Meximermis</i>	Poinar, Lachaud, Castillo & Infante	2006	1	Mermithidae	Mermithida			+
<i>Meyersia</i>	Hopper	1967	5	Oncholaimidae	Oncholaimida	+		
<i>Meylia</i>	Gerlach	1956	5	Meyliidae	Desmoscolecida	+		
<i>Meylis</i>	Goseco, Ferris & Ferris	1974	3	Leptonchidae	Dorylaimida			+
<i>Meylonema</i>	Andrassy	1959	3	Tylencholaimidae	Dorylaimida			+
<i>Micatonchus</i>	Jairajpuri, Tahseen & Choi	2001	3	Anatonchidae	Mononchida			+
<i>Micipsella</i>	Seurat	1921	2	Onchocercidae	Spirurida			+
<i>Micoletzkyia</i>	Weingaertner	1955	23	Diplogasteridae	Diplogasterida			+
<i>Micoletzkyia</i>	Ditlevsen	1926	16	Phanodermatidae	Enoplida	+		
<i>Miconchus</i>	Andrassy	1958	1	Anatonchidae	Mononchida		+	+
<i>Miracacanthochus</i>	Allgen	1959	1	Cyatholaimidae	Chromadorida	+		
<i>Microdorylaimus</i>	Andrassy	1986	17	Qudsianematidae	Dorylaimida			+
<i>Microfilaria</i>	Cobbold	1882	6	Onchocercidae	Spirurida			+
<i>Microhadjelia</i>	Jogis	1965	1	Tetrameridae	Spirurida			+
<i>Microlaimus</i>	De-Man	1880	86	Microlaimidae	Desmodorida	+	+	
<i>Micromicron</i>	Cobb	1920	1	Desmodoridae	Desmodorida	+		
<i>Micronematodum</i>	Castelli	1926	1	Metastrongylidae	Rhabditida			+
<i>Micropleura</i>	Linstow	1906	7	Micropleuridae	Spirurida		+	+
<i>Microtetrameres</i>	Travassos	1915	28	Tetrameridae	Spirurida			+
<i>Miculenchus</i>	Andrassy	1959	7	Tylenchidae	Panagrolaimida			+
<i>Migonella</i>	Lent, Freitas & Proenca	1946	1	Onchocercidae	Spirurida			+
<i>Mikenema</i>	Durette-Desset, Digiani, Kilani & Geffard-Kuriyama	2017	7	Trichostrongylidae	Rhabditida			+
<i>Minolaimus</i>	Vitiello	1970	2	Comesomatidae	Monhysterida	+		
<i>Minutostrongylus</i>	Le-Roux	1936	1	Trichostrongylidae	Rhabditida			+
<i>Miodorylaimus</i>	Andrassy	1986	2	Dorylaimidae	Dorylaimida			+
<i>Miranema</i>	Thorne	1939	2	Mydonomidae	Dorylaimida			+
<i>Mirzaiella</i>	Basir	1942	9	Travassosinematidae	Spirurida			+
<i>Mirzalopectera</i>	Wason & Johnson	1977	1	Physalopteridae	Spirurida			+
<i>Missimstrongylus</i>	Smales	2018	1	Trichostrongylidae	Rhabditida			+
<i>Misticus</i>	Massey	1967	1	Neotylenchidae	Panagrolaimida			+
<i>Mitoaxonchium</i>	Yeates	1973	1	Qudsianematidae	Dorylaimida			+
<i>Mitranema</i>	Siddiqi	1986	2	Ecphyadophoridae	Panagrolaimida			+
<i>Moaciria</i>	Freitas	1956	5	Heterakidae	Spirurida			+
<i>Moennigia</i>	Travassos	1935	18	Trichostrongylidae	Rhabditida			+
<i>Moguranema</i>	Yamaguti	1941	3	Trichostrongylidae	Rhabditida			+
<i>Mohibiella</i>	Farooqui	1970	1	Travassosinematidae	Spirurida			+
<i>Molgolaimus</i>	Ditlevsen	1921	43	Molgolaiminae	Desmodorida	+		
<i>Molinacuaria</i>	Wong & Lankester	1985	3	Acuariidae	Spirurida			+
<i>Molineus</i>	Cameron	1923	30	Trichostrongylidae	Rhabditida			+
<i>Molinofilaria</i>	Vuylsteke	1956	1	Metastrongylidae	Rhabditida			+

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<i>Molinostrongylus</i>	Skarbilovitch	1934	18	Trichostrongylidae	Rhabditida			+
<i>Molossinema</i>	Georgi, Georgi, Jiang & Frongillo	1987	1	Onchocercidae	Spirurida			+
<i>Molostrongylus</i>	Durette-Desset & Vaucher	1996	2	Trichostrongylidae	Rhabditida			+
<i>Monanema</i>	Anteson	1968	4	Onchocercidae	Spirurida			+
<i>Monhystera</i>	Bastian	1865	65	Monhysteridae	Monhysterida		+	+
<i>Monhysterides</i>	Baylis & Daubney	1922	5	Atractidae	Spirurida		+	+
<i>Monhysteroides</i>	Timm	1961	2	Linhomoeidae	Monhysterida	+		
<i>Monhystrella</i>	Cobb	1918	34	Monhysteridae	Monhysterida	+	+	
<i>Monhystrium</i>	Cobb	1920	5	Monhysteridae	Monhysterida		+	+
<i>Monilonema</i>	Beveridge & Johnson	1981	1	Strongylidae	Rhabditida			+
<i>Monodelphoxyuris</i>	Guerrero & Hugot	2003	1	Oxyuridae	Spirurida			+
<i>Monodontus</i>	Molin	1861	9	Ancylostomatidae	Rhabditida			+
<i>Mononchoides</i>	Rahm	1928	50	Diplogasteridae	Diplogasterida		+	+
<i>Mononchulus</i>	Cobb	1918	2	Mononchulidae	Bathyodontida			+
<i>Mononchus</i>	Bastian	1865	33	Mononchidae	Mononchida	+	+	+
<i>Monopetalonema</i>	Diesing	1861	3	Diplotriaeidae	Spirurida			+
<i>Monoposthia</i>	De-Man	1889	14	Monoposthiidae	Desmodorida	+		
<i>Monoposthioides</i>	Hopper	1963	2	Monoposthiidae	Desmodorida	+		
<i>Monotrichodorus</i>	Andrassy	1976	8	Trichodoridae	Triplonchida			+
<i>Monovaria</i>	Khera	1953	1	Seuratidae	Spirurida			+
<i>Montistrongylus</i>	Smales & Heinrich	2010	4	Trichostrongylidae	Rhabditida			+
<i>Montonchus</i>	Siddiqi, Handoo & Chitwood	2015	1	Mononchidae	Mononchida			+
<i>Mooleptus</i>	Ozdkmen	2010	1	Physalopteridae	Spirurida	+		
<i>Morasia</i>	Baqri & Jairajpuri	1969	6	Mydonomidae	Dorylaimida			+
<i>Moravecia</i>	Ribu & Lester	2004	1	Guyanemidae	Spirurida	+		
<i>Moravecnema</i>	Justine, Cassone & Petter	2002	1	Cystidicolidae	Spirurida	+		
<i>Morgascaridia</i>	Inglis	1958	1	Schneidernematidae	Spirurida			+
<i>Morlaixia</i>	Vincx & Goubault	1989	2	Diplopeltidae	Monhysterida	+		
<i>Morulaimus</i>	Sauer	1966	8	Belonolaimidae	Panagrolaimida			+
<i>Moshajia</i>	Siddiqi	1982	4	Qudsianematidae	Dorylaimida			+
<i>Mudwigglus</i>	Leduc	2013	12	Diplopeltidae	Monhysterida	+		
<i>Muellerius</i>	Cameron	1927	3	Metastrongylidae	Rhabditida			+
<i>Mukazia</i>	Siddiqi	1986	1	Tylenchidae	Panagrolaimida			+
<i>Mukhina</i>	Ozdikman	2010	3	Panagrolaimidae	Panagrolaimida			+
<i>Multicaecum</i>	Baylis	1923	13	Ascarididae	Spirurida		+	+
<i>Multidens</i>	Mukhina	1978	1	Tripylidae	Tripylida			+
<i>Mulveyellus</i>	Siddiqi	1984	5	Iotonchidae	Mononchida			+
<i>Mumtazium</i>	Siddiqi	1969	1	Tylencholaimidae	Dorylaimida			+
<i>Murielus</i>	Dikmans	1939	2	Trichostrongylidae	Rhabditida			+
<i>Murshidia</i>	Lane	1914	30	Strongylidae	Rhabditida			+
<i>Muspicea</i>	Sambon	1925	2	Muspiceidae	Muspiceida			+
<i>Musserakis</i>	Hasegawa, Dewi & Asakawa	2014	2	Heterakidae	Spirurida			+

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<i>Mydonomus</i>	Thorne	1964	4	Mydonomidae	Dorylaimida			+
<i>Myenchus</i>	Schuberg & Schroeder in Schuberg	1904	2	Myenchidae	Panagrolaimida		+	
<i>Myleusnema</i>	Moravec & Thatcher	1996	2	Kathlaniidae	Spirurida		+	
<i>Mylodiscoides</i>	Lordello	1963	1	Qudsianematidae	Dorylaimida			+
<i>Mylodiscoides</i>	Lordello	1963	1	Carcharolaimidae	Dorylaimida			+
<i>Mylodiscus</i>	Thorne	1939	1	Qudsianematidae	Dorylaimida			+
<i>Mylonchulus</i>	Cobb	1916	67	Mylonchulidae	Mononchida		+	+
<i>Myolaimus</i>	Cobb	1920	9	Myolaimidae	Diplogasterida			+
<i>Myoryctes</i>	Eberth	1863	1	Myenchidae	Panagrolaimida		+	+
<i>Myrmeconema</i>	Poinar & Yanoviak	2008	3	Tetradonematidae	Mermithida			+
<i>Nacobbus</i>	Thorne & Allen	1944	2	Pratylenchidae	Panagrolaimida			+
<i>Nagelus</i>	Thorne & Malek	1968	28	Telotylenchidae	Panagrolaimida			+
<i>Namaquanema</i>	Heyns & Swart	1993	1	Dorylaimidae	Dorylaimida		+	+
<i>Namibnema</i>	Vincx & Furstenberg	1989	1	Axonolaimidae	Monhysterida	+		
<i>Nanidorus</i>	Siddiqi	1974	3	Trichodoridae	Triplonchida			+
<i>Nannolaimoides</i>	Ott	1972	2	Cyatholaimidae	Chromadorida	+		
<i>Nannolaimus</i>	Cobb	1920	3	Cyatholaimidae	Chromadorida	+		
<i>Nanomermis</i>	Cobb	1925	3	Mermithidae	Mermithida		+	+
<i>Napolitana</i>	Kloss	1959	2	Protrelloididae	Spirurida			+
<i>Narsingiella</i>	Rao	1978	1	Aspidoderidae	Spirurida			+
<i>Nasistrongylus</i>	Durette-Desset & Beveridge	1982	1	Trichostrongylidae	Rhabditida			+
<i>Necator</i>	Stiles	1903	4	Ancylostomatidae	Rhabditida			+
<i>Necolaimus</i>	Allgen	1959	1	Leptolaimidae	Leptolaimida	+		
<i>Nemabia</i>	Siddiqi	1995	1	Nordiidae	Dorylaimida			+
<i>Nemanema</i>	Cobb	1920	14	Oxystominidae	Ironida	+		
<i>Nemanoke</i>	Yeates & Spiridonov	1996	3	Mesidionematidae	Drilonematida			+
<i>Nematimermis</i>	Tchesunov & Spiridonov	1993	1	Tetradonematidae	Mermithida	+		
<i>Nematodirella</i>	Yorke & Maplestone	1926	7	Trichostrongylidae	Rhabditida			+
<i>Nematodiroides</i>	Bernard	1967	1	Trichostrongylidae	Rhabditida			+
<i>Nematodirus</i>	Ransom	1907	47	Trichostrongylidae	Rhabditida			+
<i>Nematoideum</i>	Diesing	1851	1	Capillariidae	Trichocephalida			+
<i>Nematomystes</i>	Sutton, Chabaud & Durette-Desset	1980	2	Aspidoderidae	Spirurida			+
<i>Nemavermes</i>	Schram	1973	2	Nemavermidae	Chromadorida			+
<i>Nemhelix</i>	Morand & Petter	1986	3	Cosmocercidae	Spirurida			+
<i>Neoactinolaimus</i>	Thorne	1967	25	Actinolaimidae	Dorylaimida		+	+
<i>Neoalioionema</i>	Ivanova, Pham & Spiridonov	2016	4	Alloionematidae	Panagrolaimida			+
<i>Neoascarophis</i>	Machida	1976	5	Ascarididae	Spirurida	+		
<i>Neobakernema</i>	Ebsary	1981	7	Criconematidae	Panagrolaimida			+
<i>Neocamacolaimus</i>	Holovachov & Bostrom	2014	1	Camacolaimidae	Plectida	+		
<i>Neochromadora</i>	Micoletzky	1924	32	Chromadoridae	Chromadorida	+	+	
<i>Neocooperia</i>	Fotadar & Bamroo	1971	1	Trichostrongylidae	Rhabditida			+
<i>Neocosmocercella</i>	Baker & Vaucher	1983	3	Cosmocercidae	Spirurida		+	+

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<i>Neocylicostromylus</i>	Arya & Johnson	1977	1	Trichostrongylidae	Rhabditida	+		
<i>Neodiplogaster</i>	Cobb	1924	11	Neodiplogasteridae	Diplogasterida			+
<i>Neodiplopeltula</i>	Holovachov & Bostrom	2018	14	Diplopeltidae	Monhysterida	+		
<i>Neoditylenchus</i>	Meyl	1961	24	Sychnotylenchidae	Panagrolaimida			+
<i>Neodolichodorus</i>	Andrassy	1976	12	Dolichodoridae	Panagrolaimida			+
<i>Neodolichorhynchus</i>	Jairajpuri & Hunt	1984	17	Telotylenchidae	Panagrolaimida	+		+
<i>Neoentomelas</i>	Hasegawa	1989	1	Rhabdiasidae	Rhabditida			+
<i>Neoheligionella</i>	Durette-Desset	1971	15	Trichostrongylidae	Rhabditida			+
<i>Neoheterakis</i>	Kumar & Thienpont	1974	1	Heterakidae	Spirurida			+
<i>Neohilgertia</i>	Navone, Suriano & Pujol	1990	1	Oxyuridae	Spirurida			+
<i>Neohistiostrongylus</i>	Barus & Valle	1967	1	Trichostrongylidae	Rhabditida			+
<i>Neoichthyostromylus</i>	Naqvi & Gupta	1987	2	Trichostrongylidae	Rhabditida	+		
<i>Neoleptus</i>	Specian, Ubelaker & Dailey	1975	1	Physalopteridae	Spirurida			+
<i>Neolimnomermis</i>	Rubtsov	1978	6	Mermithidae	Mermithida		+	
<i>Neolobocriconema</i>	Mehta & Raski	1971	13	Criconematidae	Panagrolaimida			+
<i>Neomermis</i>	Linstow	1904	2	Mermithidae	Mermithida		+	
<i>Neomesomermis</i>	Nickle	1972	5	Mermithidae	Mermithida		+	
<i>Neometadorylaimus</i>	Jairajpuri & Ahmad	1992	1	Tylencholaimidae	Dorylaimida			+
<i>Neomisticus</i>	Siddiqi	1986	1	Neotylenchidae	Panagrolaimida			+
<i>Neomurshidia</i>	Chabaud	1957	1	Strongylidae	Rhabditida			+
<i>Neomeia</i>	Yin & Zhang	1984	1	Quimperiidae	Spirurida		+	
<i>Neoparacamallanus</i>	Bilqees & Akram	1982	14	Camallanidae	Spirurida		+	
<i>Neoparaseuratium</i>	Moravec, Kohn & Fernandes	1992	1	Quimperiidae	Spirurida		+	
<i>Neoparasitylenchus</i>	Nickle	1967	27	Allantonematidae	Panagrolaimida			+
<i>Neoparathelandros</i>	Hodda	2021	1	Oxyuridae	Spirurida			+
<i>Neophilometroides</i>	Moravec, Salgado, Maldonado & Aguilar-Aguilar	2002	2	Philometridae	Spirurida		+	
<i>Neoprotozoophaga</i>	Biswas & Chakravarty	1963	2	Cosmocercidae	Spirurida		+	+
<i>Neopsilenchus</i>	Thorne & Malek	1968	10	Boleodoridae	Panagrolaimida			+
<i>Neorhabditis</i>	Schuermans-Stekhoven	1954	1	Rhabditidae	Rhabditida			+
<i>Neorhabditostomum</i>	Gibbons & Kan	1987	1	Strongylidae	Rhabditida			+
<i>Neosomatiana</i>	Anwar,-Ul-Islam, Farooq & Khanum	1979	1	Cosmocercidae	Spirurida		+	+
<i>Neospinitectus</i>	Kalyankar	1971	1	Cystidicolidae	Spirurida		+	
<i>Neospirocercia</i>	Johnson	1968	1	Spirocercidae	Spirurida			+
<i>Neosteinerinema</i>	Nguyen & Smart	1994	1	Steinernematidae	Panagrolaimida			+
<i>Neostromylus</i>	Rathore & Nama	1988	2	Diectophymatidae	Diectophymatida			+
<i>Neostromylus</i>	Gebauer	1932	2	Metastrongylidae	Rhabditida			+
<i>Neosynodontisia</i>	Moravec, Kamchoo & Pachawan	2015	1	Pharyngodonidae	Spirurida		+	
<i>Neothada</i>	Khan	1973	7	Boleodoridae	Panagrolaimida			+
<i>Neotobrilus</i>	Tsalolikhin	1981	17	Tobrilidae	Tripylida		+	
<i>Neotonchus</i>	Cobb	1933	6	Neotonchidae	Chromadorida	+		

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<i>Neotylocephalus</i>	Ali, Farooqui & Tejpal	1969	3	Plectidae	Plectida		+	+
<i>Neoxysomatium</i>	Ballesteros-Marquez	1945	7	Cosmocercidae	Spirurida		+	+
<i>Nesomystrongylus</i>	Durette-Desset, Lethonen & Haukisalmi	2002	1	Trichostrongylidae	Rhabditida			+
<i>Neurella</i>	Cobb	1920	1	Camacolaimidae	Plectida	+		
<i>Neyrapharyngodon</i>	Calvente	1948	1	Oxyuridae	Spirurida			+
<i>Nicascolaimus</i>	Riemann	1986	1	Axonolaimidae	Monhysterida	+		
<i>Nicollina</i>	Baylis	1930	8	Trichostrongylidae	Rhabditida		+	+
<i>Nigronchus</i>	Siddiqi	1984	1	Mononchidae	Mononchida			+
<i>Nijhoffia</i>	Allgen	1935	1	Linhomoeidae	Monhysterida	+		
<i>Nilonema</i>	Khalil	1960	2	Philometridae	Spirurida		+	
<i>Nimigula</i>	Andrassy	1985	1	Belonidiridae	Dorylaimida			+
<i>Nippostrongylus</i>	Lane	1923	8	Trichostrongylidae	Rhabditida			+
<i>Nochtia</i>	Travassos & Vogelsang	1929	5	Trichostrongylidae	Rhabditida			+
<i>Noctuidonema</i>	Remillet & Silvain	1988	2	Acugutturidae	Panagrolaimida			+
<i>Noffsingeria</i>	Decraemer & Jensen	1982	2	Meyliidae	Desmoscolecida	+		
<i>Noteodiplogaster</i>	De-Villalobos, Camino & Reboredo	1998	1	Angiostomatidae	Rhabditida			+
<i>Nothacrobeles</i>	Allen & Noffsinger	1971	15	Cephalobidae	Panagrolaimida			+
<i>Nothanguina</i>	Whitehead	1959	1	Anguinidae	Panagrolaimida			+
<i>Nothocriconemoides</i>	Maas, Loof & De- Grise	1971	2	Criconematidae	Panagrolaimida			+
<i>Nothotylenchoides</i>	Handoo	1980	1	Anguinidae	Panagrolaimida			+
<i>Nothotylenchus</i>	Thorne	1941	55	Anguinidae	Panagrolaimida			+
<i>Notochatosoma</i>	Irwin-Smith	1918	1	Draconematidae	Desmodorida	+		
<i>Notonectomermis</i>	Rubtsov	1977	1	Mermithidae	Mermithida			+
<i>Notosabatieria</i>	Allgen	1959	1	Comesomatidae	Monhysterida	+		
<i>Nouvelnema</i>	Petter	1959	1	Attractidae	Spirurida			+
<i>Novadelonema</i>	Ozdikmen	2010	1	Diplopeltidae	Monhysterida			+
<i>Nudora</i>	Cobb	1920	15	Monoposthiidae	Desmodorida	+		
<i>Nugininema</i>	Smales	2016	1	Trichostrongylidae	Rhabditida			+
<i>Nullonchus</i>	Siddiqi	1984	4	Iotonchidae	Mononchida			+
<i>Nunema</i>	Cobb	1933	1	Choanolaimidae	Selachinematida	+		
<i>Nycteridostrongylus</i>	Baylis	1930	2	Trichostrongylidae	Rhabditida			+
<i>Nygellus</i>	Thorne	1939	5	Nygellidae	Dorylaimida		+	+
<i>Nygmatochus</i>	Cobb	1933	1	Chromadoridae	Chromadorida	+		
<i>Nygolaimellus</i>	Loos	1949	6	Nygolaimellidae	Dorylaimida			+
<i>Nygolaimium</i>	Thorne	1930	3	Nygolaimellidae	Dorylaimida		+	
<i>Nygolaimoides</i>	Meyl	1960	9	Qudsianematidae	Dorylaimida			+
<i>Nygolaimus</i>	Cobb	1913	38	Nygolaimidae	Dorylaimida		+	+
<i>Obainia</i>	Adamson	1983	7	Xustromatidae	Rhigonematida			+
<i>Obeliscoides</i>	Grabyill	1924	4	Trichostrongylidae	Rhabditida			+
<i>Oceanicucullanus</i>	Schmidt & Kuntz	1969	3	Cucullanidae	Spirurida		+	
<i>Ochetocephalus</i>	Linstow	1907	1	Physalopteridae	Spirurida			+
<i>Ochoterenella</i>	Caballero	1944	16	Onchocercidae	Spirurida		+	+
<i>Octomermis</i>	Steiner	1929	2	Mermithidae	Mermithida		+	

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<i>Octomyomermis</i>	Johnson	1963	13	Mermithidae	Mermithida		+	
<i>Octonchus</i>	De-Coninck	1965	2	Oncholaimidae	Oncholaimida	+		
<i>Odilia</i>	Durette-Desset	1973	35	Trichostrongylidae	Rhabditida			+
<i>Odonatomermis</i>	Rubtsov	1973	3	Mermithidae	Mermithida		+	
<i>Odontanticoma</i>	Platonova	1976	1	Anticomidae	Enoplida	+		
<i>Odontobius</i>	Rousse-De-Vauzeme	1834	1	Monhysteridae	Monhysterida	+		
<i>Odontogeton</i>	Allgen	1921	5	Oxyuridae	Spirurida			+
<i>Odontolaimus</i>	Lorenzen	1981	4	Odontolaimidae	Tripylida		+	+
<i>Odontopharynx</i>	De-Man	1912	2	Odontopharyngidae	Rhabditida	+		+
<i>Odontophora</i>	Buetschli	1874	38	Axonolaimidae	Monhysterida	+		
<i>Odontophoroides</i>	Boucher & Helleouet	1977	3	Axonolaimidae	Monhysterida	+		
<i>Odontorhabditis</i>	Timm	1959	2	Rhabditidae	Rhabditida			+
<i>Odontospirura</i>	Wehr	1933	1	Habronematidae	Spirurida			+
<i>Odontoterakis</i>	Skryabin & Schikhobalova	1947	6	Heterakidae	Spirurida			+
<i>Oesophagodontus</i>	Railliet & Henry	1902	1	Strongylidae	Rhabditida			+
<i>Oesophagomermis</i>	Artyukhovsky	1969	4	Mermithidae	Mermithida		+	+
<i>Oesophagostomoides</i>	Schwartz	1928	37	Strongylidae	Rhabditida			+
<i>Oesophagostomum</i>	Molin	1861	47	Strongylidae	Rhabditida			+
<i>Ogma</i>	Southern	1914	94	Criconematidae	Panagrolaimida			+
<i>Ohbayashinema</i>	Durette-Desset	1974	5	Trichostrongylidae	Rhabditida			+
<i>Oigolaimella</i>	Paramonov	1952	7	Diplogasteridae	Diplogasterida			+
<i>Oionchus</i>	Cobb	1913	2	Mononchulidae	Bathyodontida		+	+
<i>Okapinema</i>	Ivaschkin	1960	1	Habronematidae	Spirurida			+
<i>Okapistrongylus</i>	Berghe	1937	1	Strongylidae	Rhabditida			+
<i>Okinawandros</i>	Hasegawa	2005	1	Pharyngodonidae	Spirurida		+	+
<i>Okranema</i>	Greenslade & Nicholas	1991	2	Thoracostomopsidae	Enoplida	+		
<i>Oligaphelenchooides</i>	Poinar	1977	5	Aphelenchooididae	Panagrolaimida			+
<i>Oligodiplogaster</i>	Poinar	1977	1	Diplogasteridae	Diplogasterida			+
<i>Oligonchulus</i>	Andrassy	1976	1	Mylonchulidae	Mononchida			+
<i>Oligoplectus</i>	Taylor	1935	1	Plectidae	Plectida	+		+
<i>Ollulanus</i>	Leuckart	1865	2	Trichostrongylidae	Rhabditida			+
<i>Omeia</i>	Hsu	1933	3	Quimperidae	Spirurida		+	
<i>Omicronema</i>	Cobb	1920	6	Xyalidae	Monhysterida	+		
<i>Onchiolistia</i>	Blome	2002	3	Camacolaimidae	Plectida	+		
<i>Onchiomermis</i>	Rubtsov	1976	1	Mermithidae	Mermithida			+
<i>Onchium</i>	Cobb	1920	10	Camacolaimidae	Plectida	+		
<i>Onchocerca</i>	Diesing in Hermann	1841	37	Onchocercidae	Spirurida		+	+
<i>Onchocercella</i>	Yorke & Maplestone	1931	1	Onchocercidae	Spirurida			+
<i>Oncholaimelloides</i>	Timm	1967	1	Oncholaimidae	Oncholaimida	+		
<i>Oncholaimellus</i>	De-Man	1890	20	Oncholaimidae	Oncholaimida	+	+	
<i>Oncholaimoides</i>	Chitwood	1937	3	Oncholaimidae	Oncholaimida	+		
<i>Oncholaimus</i>	Dujardin	1845	129	Oncholaimidae	Oncholaimida	+	+	
<i>Onchulus</i>	Cobb	1920	9	Onchulidae	Tripylida		+	+
<i>Oncophora</i>	Diesing	1851	3	Camallanidae	Spirurida	+		
<i>Onepunema</i>	Leduc & Verschelde	2017	4	Desmodoridae	Desmodorida	+		

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<i>Oniscicula</i>	Schwenk	1927	1	Kathlaniidae	Spirurida			+
<i>Onychonema</i>	Baylis	1943	3	Ungellidae	Drilonematida			+
<i>Onyx</i>	Cobb	1891	13	Desmodoridae	Desmodorida	+		
<i>Oonaguntus</i>	Thorne	1974	2	Nordiidae	Dorylaimida			+
<i>Oostenbrinkella</i>	Jairajpuri	1965	3	Leptonchidae	Dorylaimida			+
<i>Oostenbrinkia</i>	Ali, Suryawanshi & Ahmad	1973	2	Aulolaimoididae	Dorylaimida			+
<i>Operculorhabditis</i>	Khera	1969	1	Mesorhabditidae	Rhabditida			+
<i>Ophidascaris</i>	Baylis	1921	38	Ascarididae	Spirurida			+
<i>Opisthodorylaimus</i>	Ahmad & Jairajpuri	1982	11	Dorylaimidae	Dorylaimida		+	
<i>Orientatractis</i>	Petter	1966	14	Atractidae	Spirurida		+	+
<i>Orientostrongylus</i>	Durette-Desset	1971	6	Trichostrongylidae	Rhabditida			+
<i>Orientylus</i>	Jairajpuri & Siddiqi	1977	7	Hoplolaimidae	Panagrolaimida			+
<i>Oriverutoides</i>	Ahmad & Sturhan	2002	1	Nordiidae	Dorylaimida			+
<i>Oriverutus</i>	Siddiqi	1971	8	Nordiidae	Dorylaimida			+
<i>Ornithocapillaria</i>	Barus & Sergeeva	1990	7	Capillariidae	Trichocephalida			+
<i>Ornithonema</i>	Travassos	1935	1	Trichostrongylidae	Rhabditida			+
<i>Ornithostrongylus</i>	Travassos	1914	10	Trichostrongylidae	Rhabditida			+
<i>Orphreyus</i>	Siddiqi	2000	3	Criconematidae	Panagrolaimida			+
<i>Orrina</i>	Brzeski	1981	1	Anguinidae	Panagrolaimida			+
<i>Orthomermis</i>	Poinar	1965	1	Mermithidae	Mermithida			+
<i>Orthophallonema</i>	Bongers	1983	1	Leptosomatidae	Ironida	+		
<i>Orthostrongylus</i>	Dougherty & Goble	1946	1	Metastrongylidae	Rhabditida			+
<i>Orthothominx</i>	Teixeira-De-Freitas & Jorge-Da-Silva	1960	1	Trichuridae	Trichocephalida			+
<i>Ortleppascaris</i>	Sprent	1978	5	Ascarididae	Spirurida		+	+
<i>Ortleppnema</i>	Petter	1966	1	Pharyngodonidae	Spirurida			+
<i>Ortleppstrongylus</i>	Durette-Desset	1970	1	Trichostrongylidae	Rhabditida			+
<i>Oryctonema</i>	Poinar	1970	23	Rhabditidae	Rhabditida			+
<i>Oscheius</i>	Andrassy	1976	58	Rhabditidae	Rhabditida		+	+
<i>Oslerus</i>	Hall	1921	2	Metastrongylidae	Rhabditida			+
<i>Osstella</i>	Heyns	1962	1	Ostellidae	Panagrolaimida			+
<i>Ostertagia</i>	Ransom	1907	53	Trichostrongylidae	Rhabditida			+
<i>Oswaldocruzia</i>	Travassos	1917	93	Trichostrongylidae	Rhabditida		+	+
<i>Oswaldofilaria</i>	Travassos,	1933	11	Onchocercidae	Spirurida			+
<i>Oswaldonema</i>	Travassos	1927	3	Trichostrongylidae	Rhabditida			+
<i>Oswaldostrongylus</i>	Lent & Freitas	1934	2	Trichostrongylidae	Rhabditida			+
<i>Otostrongylus</i>	De-Bruyn	1933	2	Metastrongylidae	Rhabditida	+		+
<i>Ottolenchus</i>	Husain & Khan	1967	29	Tylenchidae	Panagrolaimida			+
<i>Ovomermis</i>	Rubtzov	1976	5	Mermithidae	Mermithida		+	+
<i>Oxyascaris</i>	Travassos	1920	5	Kathlaniidae	Spirurida		+	
<i>Oxybelondira</i>	Ahmad & Jairajpuri	1979	4	Belondiridae	Dorylaimida			+
<i>Oxydiroides</i>	Altherr	1972	4	Mydonomidae	Dorylaimida			+
<i>Oxydirus</i>	Thorne	1939	15	Belondiridae	Dorylaimida			+
<i>Oxynema</i>	Linstow	1899	8	Subuluridae	Spirurida			+
<i>Oxyonchus</i>	Filipjev	1927	21	Thoracostomopsidae	Enoplida	+		

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<i>Oxysomatium</i>	Railliet & Henry	1916	15	Cosmocercidae	Spirurida		+	+
<i>Oxyspirura</i>	Draesche in Stossich	1897	50	Thelaziidae	Spirurida			+
<i>Oxystomina</i>	Filipjev	1918	37	Oxystominidae	Ironida	+		
<i>Oxyuricassis</i>	Rodrigues, Furtado, Melo & Santos	2017	2	Oxyuridae	Spirurida			+
<i>Oxyuris</i>	Rudolphi	1803	15	Oxyuridae	Spirurida			+
<i>Oxyuronema</i>	Kreis	1932	1	Oxyuridae	Spirurida			+
<i>Ozolaimus</i>	Dujardin	1845	6	Pharyngodonidae	Spirurida			+
<i>Pachydorylaimus</i>	Siddiqi	1983	7	Qudsianematidae	Dorylaimida			+
<i>Pakira</i>	Yeates	1967	1	Leptolaimidae	Leptolaimida			+
<i>Palaeoallantonema</i>	Poinar	2011	11	Allantonematidae	Panagrolaimida			+
<i>Palaeoanguina</i>	Poinar	2011	1	Anguinidae	Panagrolaimida			+
<i>Palaeoaphelenchoides</i>	Poinar	2011	1	Aphelenchoididae	Panagrolaimida			+
<i>Palaeoarachus</i>	Poinar	2011	1	Heterorhabditidae	Rhabditida			+
<i>Palaeocosmocerca</i>	Poinar	2011	1	Cosmocercidae	Spirurida			+
<i>Palaeodiplogaster</i>	Poinar	2011	1	Diplogasteridae	Diplogasterida			+
<i>Palaeoenoplodes</i>	Mattavelli & Bracchi	2008	1	Palaeoenoploididae	Enoplida	+		
<i>Palaeonema</i>	Poinar Kerp & Hass	2008	1	Palaeonematidae	Ironida			+
<i>Palaeoparasitylenchus</i>	Poinar	2011	1	Allantonematidae	Panagrolaimida			+
<i>Palaeorhabditis</i>	Poinar	2011	1	Mesorhabditidae	Rhabditida			+
<i>Palaeotetradonema</i>	Poinar	2011	4	Tetradonematidae	Mermithida			+
<i>Paleoiotonchium</i>	Poinar	2011	1	Iotonchiidae	Panagrolaimida			+
<i>Paleothelastoma</i>	Poinar	2011	1	Thelastomatidae	Spirurida		+	+
<i>Panagrellus</i>	Thorne	1938	16	Panagrolaimidae	Panagrolaimida			+
<i>Panagrobelum</i>	Andrassy	1984	1	Panagrolaimidae	Panagrolaimida			+
<i>Panagrobelus</i>	Thorne	1939	6	Panagrolaimidae	Panagrolaimida			+
<i>Panagrodontus</i>	Thorne	1935	3	Panagrolaimidae	Panagrolaimida			+
<i>Panagrolaimoides</i>	Ivanova	1976	1	Panagrolaimidae	Panagrolaimida			+
<i>Panagrolaimus</i>	Fuchs	1930	23	Panagrolaimidae	Panagrolaimida	+		+
<i>Panagrolobus</i>	Holovachov & Bostrom	2006	1	Cephalobidae	Panagrolaimida			+
<i>Panagromacra</i>	Massey	1964	1	Panagrolaimidae	Panagrolaimida			+
<i>Panagroteratus</i>	Andrassy	1986	3	Cephalobidae	Panagrolaimida			+
<i>Pancreatonema</i>	McVicar & Gibson	1975	1	Thelaziidae	Spirurida	+		
<i>Pandolaimus</i>	Allgen	1929	5	Pandolaimidae	Tripylida	+		
<i>Panduripharynx</i>	Timm	1961	3	Chromadoridae	Chromadorida	+		
<i>Papillabrum</i>	Kloss	1962	1	Hystriognathidae	Spirurida			+
<i>Papillonema</i>	Verschelde, Muthumbi & Vincx	1995	2	Desmodoridae	Desmodorida	+		
<i>Papillosetaria</i>	Vevers	1922	3	Onchocercidae	Spirurida			+
<i>Papillostrongylus</i>	Johnston & Mawson	1939	2	Strongylidae	Rhabditida			+
<i>Papuadorus</i>	Andrassy	2009	3	Nordiidae	Dorylaimida	+		+
<i>Papuaphelenchus</i>	Andrassy	1973	1	Seinuridae	Panagrolaimida			+
<i>Parabronema</i>	Baylis	1921	9	Habronematidae	Spirurida			+
<i>Paracamallanus</i>	Yorke & Maplestone	1926	10	Camallanidae	Spirurida		+	
<i>Paracameronia</i>	DE-Carvalho & Spiridonov	1991	1	Thelastomatidae	Spirurida			+

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<i>Paracanthocheilonema</i>	Vladimirov in Bulginskaya, Vladimirov & Markov	1959	1	Filariidae	Spirurida			+
<i>Paracanthochus</i>	Micoletzky	1923	80	Cyatholaimidae	Chromadorida	+		
<i>Paracapillaria</i>	Mendonca	1963	21	Capillariidae	Trichocephalida	+	+	+
<i>Paracapillaroides</i>	Moravec, Salgado, Maldonado & Caspeta-Mandujano	1999	1	Capillariidae	Trichocephalida	+	+	
<i>Paracephalobus</i>	Akhtar	1962	2	Cephalobidae	Panagrolaimida			+
<i>Parachromadorita</i>	Blome	1974	1	Chromadoridae	Chromadorida	+		
<i>Paracomesomea</i>	Hope & Murphy	1972	14	Comesomatidae	Monhysterida	+		
<i>Paracooperia</i>	Travassos	1935	9	Trichostrongylidae	Rhabditida			+
<i>Paracooperioides</i>	Boomker, Horak & De-Vos	1981	1	Trichostrongylidae	Rhabditida			+
<i>Paracrassibucca</i>	Baqri & Jairajpuri	1974	1	Anatonchidae	Mononchida			+
<i>Paracrenosoma</i>	Yun & Kontrimavichus	1963	4	Metastrongylidae	Rhabditida			+
<i>Paracrobeles</i>	Heyns	1968	7	Cephalobidae	Panagrolaimida			+
<i>Paractinolaimus</i>	Meyl	1957	30	Actinolaimidae	Dorylaimida		+	+
<i>Paracuaria</i>	Krishna-Rao	1951	4	Acuariidae	Spirurida			+
<i>Paracyatholaimoides</i>	Gerlach	1953	3	Cyatholaimidae	Chromadorida	+		
<i>Paracyatholaimus</i>	Micoletzky	1922	32	Cyatholaimidae	Chromadorida	+	+	
<i>Paracylicolaimus</i>	Platonova	1970	1	Leptosomatidae	Ironida	+		
<i>Paracyrnea</i>	Gupta & Jaiswal	1988	1	Spiruridae	Spirurida			+
<i>Paradeletrocephalus</i>	Freitas & Lent	1947	1	Strongylidae	Rhabditida			+
<i>Paradesmodora</i>	Schuermans-Stekhoven	1950	7	Desmodoridae	Desmodorida	+		
<i>Paradichromadora</i>	Dashchenko	1991	1	Chromadoridae	Chromadorida	+		
<i>Paradollfusnema</i>	Baker	1982	1	Cosmocercidae	Spirurida			+
<i>Paradorylaimus</i>	Andrassy	1969	20	Dorylaimidae	Dorylaimida			+
<i>Paradoxolaimus</i>	Kreis	1924	1	Achromadoridae	Chromadorida		+	
<i>Paradoxorhabditis</i>	Khera	1971	1	Choriorhabditidae	Rhabditida			+
<i>Paradoxostrongylus</i>	Ozdikmen	2010	1	Strongylidae	Rhabditida			+
<i>Paradraconema</i>	Allen & Noffsinger	1978	8	Draconematidae	Desmodorida	+		
<i>Paradujardinia</i>	Travassos	1933	1	Ascarididae	Spirurida	+		
<i>Paraegialoalaimus</i>	Allgen	1934	1	Linhomoeidae	Monhysterida	+		
<i>Paraethmolaimus</i>	Jensen	1994	8	Ethmolaimidae	Chromadorida	+		
<i>Parafilaria</i>	Yorke & Maplestone	1926	5	Filariidae	Spirurida			+
<i>Parafilaroides</i>	Dougherty	1946	11	Metastrongylidae	Rhabditida			+
<i>Paragnomoxyala</i>	Jiang & Huang	2015	4	Xyalidae	Monhysterida	+		
<i>Paragonionchus</i>	Blome	2002	1	Xyalidae	Monhysterida	+		
<i>Paragraphidium</i>	Teixeira-De-Freitas & Machado-De-Mendonca	1959	1	Trichostrongylidae	Rhabditida			+
<i>Parahadronchus</i>	Mulvey	1978	10	Iotonchidae	Mononchida			+
<i>Paraheligmonella</i>	Durette-Desset	1971	1	Trichostrongylidae	Rhabditida			+
<i>Paraheligmonelloides</i>	Fukumoto, Kamiya & Suzuki	1980	8	Trichostrongylidae	Rhabditida			+
<i>Paraheligmonina</i>	Ortlepp	1939	20	Trichostrongylidae	Rhabditida			+
<i>Paraheterotyphlum</i>	Johnston & Mawson	1948	2	Ascarididae	Spirurida	+		+

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<i>Parahistiostrongylus</i>	Perez Viguera	1940	1	Trichostrongylidae	Rhabditida			+
<i>Paraichthyocephalus</i>	Travassos & Kloss	1958	1	Ichthyocephalidae	Rhigonematida			+
<i>Paraicosiella</i>	Majumdar & Chakravarty	1963	1	Oxyuridae	Spirurida			+
<i>Paraionchium</i>	Slobodyanyuc	1975	6	Iotonchiidae	Panagrolaimida			+
<i>Paralabiostrongylus</i>	Small	1982	5	Strongylidae	Rhabditida			+
<i>Paralaeuris</i>	Cuckler	1938	2	Pharyngodonidae	Spirurida			+
<i>Paraleiuris</i>	Vaz & Pereira	1929	1	Spirocercidae	Spirurida			+
<i>Paraleptonchus</i>	Dhanam & Jairajpuri	1999	1	Leptonchidae	Dorylaimida			+
<i>Paraleptonema</i>	Wang	1980	1	Cosmocercidae	Spirurida			+
<i>Paraleptosomatoides</i>	Mawson	1956	2	Leptosomatidae	Ironida	+		
<i>Paraleptus</i>	H.W. Wu	1927	6	Physalopteridae	Spirurida	+		
<i>Paralibyostrogylus</i>	Ortlepp	1939	5	Trichostrongylidae	Rhabditida			+
<i>Paralinhomoeus</i>	De-Man	1907	41	Linhomoeidae	Monhysterida	+		
<i>Parallelocoilas</i>	Boucher	1975	1	Desmodoridae	Desmodorida	+		
<i>Paralongicyatholaimus</i>	Schuermans-Stekhoven	1942	5	Cyatholaimidae	Chromadorida	+		
<i>Paralongidorus</i>	Siddiqi, Hooper & Kahn	1963	34	Longidoridae	Dorylaimida			+
<i>Paramacrostrongylus</i>	Johnston & Mawson	1940	3	Strongylidae	Rhabditida			+
<i>Paramadochotera</i>	Esslinger	1986	1	Onchocercidae	Spirurida		+	+
<i>Paramarylynna</i>	Huang & Zhang	2007	1	Cyatholaimidae	Chromadorida	+		
<i>Paramermis</i>	Linstow	1898	8	Mermithidae	Mermithida		+	
<i>Paramesacanthion</i>	Wieser	1953	17	Thoracostomopsidae	Enoplida	+		
<i>Paramesonchium</i>	Hopper	1967	3	Comesomatidae	Monhysterida	+		
<i>Paramicrolaimus</i>	Wieser	1954	9	Paramicrolaimidae	Selachinematida	+		
<i>Paramidostomum</i>	Freitas & Mendonca	1950	1	Trichostrongylidae	Rhabditida		+	+
<i>Paramonohystera</i>	Steiner	1916	21	Xyalidae	Monhysterida	+		
<i>Paramononchus</i>	Mulvey	1978	6	Mononchidae	Mononchida		+	
<i>Paramphidelus</i>	Andrassy	1977	23	Alaimidae	Alaimida			+
<i>Paramphimonhystrella</i>	Huang & Zhang	2006	15	Xyalidae	Monhysterida	+		
<i>Paramylonchulus</i>	Siddiqi & Jairajpuri	2002	15	Mylonchulidae	Mononchida			+
<i>Paranisakiopsis</i>	Yamaguti	1941	4	Raphidascarididae	Spirurida	+		
<i>Paranisakis</i>	Baylis	1923	16	Raphidascarididae	Spirurida	+	+	
<i>Paranticoma</i>	Micoletzky & Kreis	1930	10	Anticomidae	Enoplida	+		
<i>Paranygolaimus</i>	Heyns	1968	2	Nygolaimidae	Dorylaimida		+	
<i>Paraochoterenella</i>	Purnomo & Bangs	1999	1	Onchocercidae	Spirurida			+
<i>Paraorientatractis</i>	Gibbons, Khalil & Marinkelle	1997	1	Atractidae	Spirurida		+	+
<i>Paraoxybelondira</i>	Dhanam & Jairajpuri	1999	1	Belondiridae	Dorylaimida			+
<i>Paraoxydirus</i>	Jairajpuri & Ahmad	1979	6	Belondiridae	Dorylaimida			+
<i>Paraoxyuronema</i>	Artigas	1937	2	Oxyuridae	Spirurida			+
<i>Parapalus</i>	Loof & Zullini	2000	1	Qudsianematidae	Dorylaimida			+
<i>Paraphanoderma</i>	Inglis	1971	1	Phanodermatidae	Enoplida	+		
<i>Paraphanolaimus</i>	Micoletzky	1922	13	Aphanolaimidae	Leptolaimida	+	+	
<i>Parapharyngodon</i>	Chatterji	1933	81	Pharyngodonidae	Spirurida		+	+
<i>Parapharyngostrongylus</i>	Beveridge	1982	1	Strongylidae	Rhabditida			+
<i>Paraphelenchus</i>	Micoletzky	1922	24	Paraphelenchidae	Panagrolaimida			+

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<i>Paraphilometroides</i>	Moravec & Shaharom-Harrison	1989	1	Philometridae	Spirurida	+		
<i>Paraphysaloptera</i>	Gupta & Jehan	1971	2	Physalopteridae	Spirurida			+
<i>Parapinnanema</i>	Inglis	1969	1	Chromadoridae	Chromadorida	+		
<i>Paraplectonema</i>	Strand	1934	7	Leptolaimidae	Leptolaimida	+		
<i>Parapoteriostomum</i>	Hartwich	1986	7	Strongylidae	Rhabditida			+
<i>Paraprocta</i>	Maplestone	1931	1	Onchocercidae	Spirurida			+
<i>Paraproctonema</i>	Rubtsov	1978	1	Tetradonematidae	Mermithida		+	
<i>Paraplesiohedruris</i>	Burse, Goldberg & Kraus	2012	1	Cosmocercidae	Spirurida		+	+
<i>Paraqudsiella</i>	Siddiqi	1982	1	Leptonchidae	Dorylaimida			+
<i>Paraquimperia</i>	Baylis	1934	6	Quimperidae	Spirurida	+	+	
<i>Pararaeolaimus</i>	Timm	1961	5	Diplopeltidae	Monhysterida	+		
<i>Pararhabditis</i>	Baylis & Daubney	1926	1	Rhabditidae	Rhabditida			+
<i>Pararhabdonema</i>	Kreis	1945	4	Trichostrongylidae	Rhabditida			+
<i>Pararugopharynx</i>	Magzoub	1964	1	Strongylidae	Rhabditida			+
<i>Parasabanema</i>	Smales & Heinrich	2010	4	Trichostrongylidae	Rhabditida			+
<i>Parasaurositus</i>	Gupta & Johri	1989	1	Filariidae	Spirurida		+	
<i>Parasaveljevia</i>	Wieser	1953	8	Thoracostomopsidae	Enoplida	+		
<i>Parascaris</i>	Yorke & Maplestone	1926	3	Ascarididae	Spirurida			+
<i>Parascarophis</i>	Campana-Rouget	1955	4	Cystidicolidae	Spirurida	+		
<i>Parascolaimus</i>	Wieser	1959	5	Axonolaimidae	Monhysterida	+		
<i>Paraseinura</i>	Timm	1961	1	Seinuridae	Panagrolaimida			+
<i>Paraseuratoides</i>	Wang	1984	1	Quimperidae	Spirurida		+	
<i>Paraseuratium</i>	Johnston & Mawson	1940	2	Quimperidae	Spirurida		+	
<i>Parasitaphelenchus</i>	Fuchs	1929	20	Parasitaphelenchidae	Panagrolaimida			+
<i>Parasitodiplogaster</i>	Poinar	1979	20	Cephalobiidae	Diplogasterida			+
<i>Parasitorhabditis</i>	Fuchs	1937	43	Parasitorhabditidae	Rhabditida			+
<i>Parasitylenchoides</i>	Wachek	1955	8	Allantonematidae	Panagrolaimida			+
<i>Parasitylenchus</i>	Micoletzky	1922	12	Parasitylenchidae	Panagrolaimida			+
<i>Parasomatium</i>	Anwar, Ul-Islam, Farooq & Khanum	1979	1	Cosmocercidae	Spirurida		+	+
<i>Parasphaerolaimus</i>	Ditlevsen	1918	17	Sphaerolaimidae	Monhysterida	+		
<i>Paraspiculuris</i>	Akhtar	1955	4	Oxyuridae	Spirurida			+
<i>Paraspidodera</i>	Travassos	1914	8	Aspidoderidae	Spirurida			+
<i>Paraspiralatus</i>	Gibbons, Nicholls, Bailey & Samour	2004	1	Spirocercidae	Spirurida			+
<i>Paraspirura</i>	Sandground	1936	2	Spiruridae	Spirurida			+
<i>Parastomachoglossa</i>	Coomans & Loof	1986	3	Actinolaimidae	Dorylaimida		+	+
<i>Parastomonema</i>	Kito	1989	2	Siphonolaimidae	Monhysterida	+		
<i>Parastrongyloides</i>	Morgan	1928	18	Strongyloididae	Panagrolaimida			+
<i>Parasubulura</i>	Berghe & Vuylsteke	1938	3	Subuluridae	Spirurida			+
<i>Parasynodontisia</i>	Moravec, Kohn & Fernandes	1992	1	Pharyngodonidae	Spirurida		+	
<i>Paraterschellingia</i>	Kreis in Schuurmans-Stekhoven	1935	4	Aegialoalaimidae	Leptolaimida	+		
<i>Parathalassoalaimus</i>	Allgen	1929	1	Desmodoridae	Desmodorida	+		

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<i>Parathelandros</i>	Baylis	1930	12	Pharyngodonidae	Spirurida		+	+
<i>Paratimminema</i>	Rahaman, Ahmad & Khan	1994	2	Dorylaimidae	Dorylaimida			+
<i>Paratractis</i>	Gupta & Naiyer	1989	1	Atractidae	Spirurida		+	+
<i>Paratrichodorus</i>	Siddiqi	1974	30	Trichodoridae	Triplonchida			+
<i>Paratrichosoma</i>	Ashford & Muller	1978	2	Trichosomoididae	Trichocephalida		+	
<i>Paratricoma</i>	Gerlach	1964	4	Meyliidae	Desmoscolecida	+		
<i>Paratrilobus</i>	Micoletzky	1922	7	Tobrilidae	Tripylida		+	
<i>Paratripyloides</i>	Schuermans-Stekhoven	1950	3	Tripyloidae	Tripyloidida	+		
<i>Paratrophurus</i>	Arias	1970	14	Telotylenchidae	Panagrolaimida			+
<i>Paratuerkiana</i>	Platonova	1970	1	Leptosomatidae	Ironida	+		
<i>Paratylencholaimus</i>	Wu, Xu, Xie & Wang	2019	1	Leptonchidae	Dorylaimida			+
<i>Paratylenchus</i>	Micoletzky	1922	179	Paratylenchidae	Panagrolaimida			+
<i>Paraustrostrongylus</i>	Mawson	1973	6	Trichostrongylidae	Rhabditida			+
<i>Paraustroxyuris</i>	Mawson	1964	1	Oxyuridae	Spirurida			+
<i>Paravulvulus</i>	Heyns	1968	18	Nygolaimidae	Dorylaimida		+	+
<i>Paraxiphidorus</i>	Coomans & Chaves	1995	3	Longidoridae	Dorylaimida			+
<i>Paraxonchium</i>	Krall	1958	15	Aporcelaimidae	Dorylaimida			+
<i>Parazoniolaimus</i>	Johnston & Mawson	1939	1	Strongylidae	Rhabditida			+
<i>Paregletylenchus</i>	Slobodyanyuk	1984	1	Parasitylenchidae	Panagrolaimida			+
<i>Parelaphostrongylus</i>	Boev & Schulz	1950	3	Metastrongylidae	Rhabditida			+
<i>Parelzalia</i>	Tchesunov	1990	1	Xyalidae	Monhysterida	+		
<i>Parenoplus</i>	Filipjev	1927	6	Thoracostomopsidae	Enoplida	+		
<i>Pareudesmoscolex</i>	Weischer	1962	3	Desmoscolecidae	Desmoscolecida	+		
<i>Pareurystomina</i>	Micoletzky & Kreis	1930	20	Enchelidiidae	Oncholaimida	+		
<i>Parironus</i>	Micoletzky	1930	4	Ironidae	Ironida	+		
<i>Parkellus</i>	Jairajpuri, Tahseen & Choi	2001	10	Mononchidae	Mononchida			+
<i>Paroetochus</i>	Shi & Xu	2016	1	Oncholaimidae	Oncholaimida	+		
<i>Parodontophora</i>	Timm	1963	32	Axonolaimidae	Monhysterida	+	+	
<i>Paroigolaimella</i>	Paramonov	1952	12	Diplogasteridae	Diplogasterida		+	+
<i>Paronchocerca</i>	Peters	1936	12	Onchocercidae	Spirurida			+
<i>Paroriverutus</i>	Carbonnel & Coomans	1982	5	Nordiidae	Dorylaimida			+
<i>Parostertagia</i>	Schwartz & Alicata	1933	1	Trichostrongylidae	Rhabditida			+
<i>Paroxystomina</i>	Micoletzky	1924	2	Oxystominidae	Ironida	+		
<i>Parvinema</i>	Smales	2017	4	Trichostrongylidae	Rhabditida			+
<i>Passalidophila</i>	Van-Waerebeke	1973	1	Hystriognathidae	Spirurida			+
<i>Passalurus</i>	Dujardin	1845	2	Oxyuridae	Spirurida			+
<i>Passeristrongylus</i>	Jansen	1985	1	Trichostrongylidae	Rhabditida			+
<i>Patagonema</i>	Pastor-De-Ward, Lo-Russo & Villares	2015	1	Oncholaimidae	Oncholaimida	+		
<i>Patagoniella</i>	Ivanova & Vaucher	2005	1	Ungellidae	Drilonematida			+
<i>Patricialina</i>	Inglis	1968	6	Trichostrongylidae	Rhabditida			+
<i>Paulianfilaria</i>	Chabaud, Petter & Golvan	1961	1	Onchocercidae	Spirurida			+
<i>Paurodontella</i>	Husain & Khan	1968	18	Neotylenchidae	Panagrolaimida			+

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<i>Paurodontoides</i>	Jairajpuri & Siddiqi	1969	2	Neotylenchidae	Panagrolaimida			+
<i>Paurodontus</i>	Thorne	1941	10	Neotylenchidae	Panagrolaimida			+
<i>Pearsonema</i>	Teixeira-De-Freitas & Machado-De-Mendonca	1960	4	Trichuridae	Trichocephalida			+
<i>Pectinospirura</i>	Wehr	1933	3	Acuariidae	Spirurida			+
<i>Pelagonemella</i>	Kreis	1932	1	Oncholaimidae	Oncholaimida	+		
<i>Pelaogonema</i>	Cobb	1893	13	Oncholaimidae	Oncholaimida	+		
<i>Pelecitus</i>	Railliet & Henry	1910	34	Onchocercidae	Spirurida			+
<i>Pelicanascaris</i>	Ali & Farooqui in Singh & Tandan	1970	1	Ascarididae	Spirurida	+	+	+
<i>Pellioditis</i>	Dougherty	1955	19	Rhabditidae	Rhabditida	+		+
<i>Pelodera</i>	Schneider	1866	16	Peloderidae	Rhabditida		+	+
<i>Peltamigratus</i>	Sher	1964	23	Hoplolaimidae	Panagrolaimida			+
<i>Penjatinema</i>	Heyns & Swart	1998	1	Cephalobidae	Panagrolaimida			+
<i>Pennisia</i>	Bain & Chabaud	1979	1	Muspiceidae	Muspiceida			+
<i>Pentadentoptera</i>	Schachnasarova	1949	5	Physalopteridae	Spirurida			+
<i>Pentatomermis</i>	Rubtsov	1978	1	Mermithidae	Mermithida			+
<i>Peplorhabditis</i>	Ivanova	1960	1	Myolaimidae	Diplogasterida			+
<i>Peramelistrongylus</i>	Mawson	1960	1	Trichostrongylidae	Rhabditida			+
<i>Peraphelenchus</i>	Wachek	1955	3	Entaphelenchidae	Panagrolaimida			+
<i>Perepsilonema</i>	Lorenzen	1973	9	Epsilonematidae	Desmodorida	+		
<i>Pericyema</i>	Railliet	1925	1	Thelaziidae	Spirurida			+
<i>Perioplectus</i>	Sanwal in Gerlach & Riemann	1973	2	Plectidae	Plectida			+
<i>Perodira</i>	Baylis	1943	3	Homungellidae	Drilonematida			+
<i>Perspiria</i>	Wieser & Hopper	1967	12	Desmodoridae	Desmodorida	+		
<i>Perutilermis</i>	Nickle	1972	1	Mermithidae	Mermithida		+	
<i>Peterngus</i>	Ahmad, Ahmad & Mahamood	2004	1	Diplogasteridae	Diplogasterida		+	
<i>Petrovifilaria</i>	Sonin	1961	1	Diplotrienidae	Spirurida			+
<i>Petrovinema</i>	Ershov	1943	2	Strongylidae	Rhabditida			+
<i>Phacochoerostongylus</i>	Schwartz	1928	2	Strongylidae	Rhabditida			+
<i>Phaenoncholaimus</i>	Kreis	1934	1	Oncholaimidae	Oncholaimida	+		
<i>Phalacronema</i>	Clark	1978	1	Hystriagnathidae	Spirurida			+
<i>Phallaxonchium</i>	Jairajpuri & Dhanachand	1979	5	Belondiridae	Dorylaimida			+
<i>Phanoderma</i>	Bastian	1865	36	Phanodermatidae	Enoplida	+	+	
<i>Phanodermella</i>	Kreis	1928	2	Phanodermatidae	Enoplida	+		
<i>Phanodermopsis</i>	Ditlevsen	1926	18	Phanodermatidae	Enoplida	+		
<i>Pharurus</i>	R. Leuckart	1848	10	Metastrongylidae	Rhabditida	+		
<i>Pharyngodon</i>	Diesing	1861	45	Pharyngodonidae	Spirurida		+	+
<i>Pharyngonema</i>	Pierantoni	1923	1	Pharyngonematidae	Drilonematida			+
<i>Pharyngostrongylus</i>	Yorke & Maplestone	1926	18	Strongylidae	Rhabditida			+
<i>Phascolostrongylus</i>	Canavan	1931	1	Strongylidae	Rhabditida			+
<i>Phasmarhabditis</i>	Andrassy	1976	25	Rhabditidae	Rhabditida			+
<i>Phellonema</i>	Thorne	1964	1	Leptonchidae	Dorylaimida			+
<i>Pheromermis</i>	Poinar, Lane & Thomas,	1976	10	Mermithidae	Mermithida		+	

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Pheronous</i>	Inglis	1966	3	Ironidae	Ironida	+		
<i>Philometra</i>	Costa	1845	192	Philometridae	Spirurida	+	+	
<i>Philometroides</i>	Yamaguti	1935	39	Philometridae	Spirurida	+	+	
<i>Philonema</i>	Kuitunen-Ekbaum	1933	4	Micropleuridae	Spirurida	+		
<i>Phlyctainophora</i>	Steiner	1921	2	Micropleuridae	Spirurida	+		
<i>Phocanema</i>	Myers	1959	2	Anisakidae	Spirurida	+		
<i>Phocasaris</i>	Hoest	1932	4	Anisakidae	Spirurida	+		
<i>Phreatoermis</i>	Coman	1953	1	Mermithidae	Mermithida		+	
<i>Phyllolaimus</i>	Murphy	1963	2	Cyatholaimidae	Chromadorida	+		
<i>Phylloncholaimus</i>	Bussau	1995	1	Oncholaimidae	Oncholaimida	+		
<i>Physaloptera</i>	Rudolphi	1819	144	Physalopteridae	Spirurida			+
<i>Physalopteroides</i>	Wu & Liu	1940	20	Physalopteridae	Spirurida			+
<i>Physocephalus</i>	Diesing	1861	9	Spirocercidae	Spirurida			+
<i>Pierantonina</i>	Baylis & Daubney	1926	1	Drilonematidae	Drilonematida			+
<i>Pierrickia</i>	Vitiello	1970	4	Comesomatidae	Monhysterida	+		
<i>Pingus</i>	Hsu	1933	25	Quimperidae	Spirurida	+	+	
<i>Piratuba</i>	Freitas & Lent,	1941	6	Onchocercidae	Spirurida			+
<i>Piratuboides</i>	Bain & Sulahian,	1974	3	Onchocercidae	Spirurida			+
<i>Piscicapillaria</i>	Moravec	1982	9	Capillariidae	Trichocephalida	+		
<i>Pithecostrongylus</i>	Lubimov	1930	4	Trichostrongylidae	Rhabditida			+
<i>Placentonema</i>	Gubanov	1951	1	Tetrameridae	Spirurida	+		
<i>Placoconus</i>	Webster	1956	1	Ancylostomatidae	Rhabditida			+
<i>Placodira</i>	Thorne	1937	2	Cephalobidae	Panagrolaimida			+
<i>Platocamallanus</i>	Bilqees & Akram	1982	2	Camallanidae	Spirurida		+	
<i>Platonova</i>	Mordukhovich, Semenchenko, Fadeeva & Zograf	2019	4	Leptosomatidae	Ironida	+		
<i>Platycoma</i>	Cobb	1894	6	Leptosomatidae	Ironida	+		
<i>Platycomopsis</i>	Ditlevsen	1926	5	Leptosomatidae	Ironida	+		
<i>Plectolaimus</i>	Inglis	1966	2	Chronogasteridae	Plectida	+		
<i>Plectonchus</i>	Fuchs	1930	2	Panagrolaimidae	Panagrolaimida			+
<i>Plectus</i>	Bastian	1865	4	Plectidae	Plectida		+	+
<i>Plesiyoungella</i>	Yeates, Spiridonov & Blakemore	1998	1	Ungellidae	Drilonematida			+
<i>Pleurotylenchus</i>	Szczygiel	1969	2	Tylodoridae	Panagrolaimida			+
<i>Plutellonema</i>	Timm & Maggenti	1966	1	Drilonematidae	Drilonematida			+
<i>Pneumocaulus</i>	Schulz & Andreeva	1948	1	Metastrongylidae	Rhabditida			+
<i>Pneumonema</i>	Johnston	1916	1	Rhabdiasidae	Rhabditida			+
<i>Pneumospirura</i>	Wu & Hu	1938	1	Pneumospiruridae	Spirurida			+
<i>Pneumostrongylus</i>	Moennig	1932	3	Metastrongylidae	Rhabditida			+
<i>Podocnematractis</i>	Gibbons, Khalil & Marinkelle	1995	2	Atractidae	Spirurida		+	+
<i>Poekilostrongylus</i>	Schmidt & Whittaker	1975	2	Trichostrongylidae	Rhabditida		+	+
<i>Pogonomystrongylus</i>	Smales	2014	3	Trichostrongylidae	Rhabditida			+
<i>Poikilolaimus</i>	Fuchs	1930	6	Myolaimidae	Diplogasterida			+
<i>Polenchus</i>	Andrassy	1980	4	Tylenchidae	Panagrolaimida			+

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<i>Polkepsilonema</i>	Verschelde & Vincx	1993	3	Epsilonematidae	Desmodorida	+		
<i>Polydelphis</i>	Dujardin	1845	9	Ascarididae	Spirurida		+	+
<i>Polydelphyoptera</i>	Schulz	1927	1	Physalopteridae	Spirurida			+
<i>Polygastrophoides</i>	Sun & Huang	2016	1	Enchelidiidae	Oncholaimida	+		
<i>Polygastrophora</i>	De-Man	1922	17	Enchelidiidae	Oncholaimida	+	+	
<i>Polyonchulus</i>	Mulvey & Jensen	1967	2	Mylonchulidae	Mononchida			+
<i>Polysigma</i>	Cobb	1920	2	Desmodoridae	Desmodorida	+		
<i>Pomponema</i>	Cobb	1917	32	Cyatholaimidae	Chromadorida	+		
<i>Pontonema</i>	Leidy	1855	35	Oncholaimidae	Oncholaimida	+		
<i>Popovastrongylus</i>	Mawson	1977	7	Strongylidae	Rhabditida			+
<i>Porocoma</i>	Cobb	1920	1	Xenellidae	Trefusiida	+		
<i>Poronemella</i>	Siddiqi	1969	6	Qudsianematidae	Dorylaimida			+
<i>Porrocaecum</i>	Railliet & Henry	1912	55	Ascarididae	Spirurida			+
<i>Porternema</i>	Suryawanshi	1972	1	Mydonomidae	Dorylaimida			+
<i>Portmacquaria</i>	Blome	2005	1	Chromadoridae	Chromadorida	+		
<i>Postamphidelus</i>	Siddiqi	1993	1	Alaimidae	Alaimida			+
<i>Posthalocercus</i>	Delyamure in Skryabin	1942	2	Metastrongylidae	Rhabditida	+		+
<i>Poteriostomum</i>	Quiel	1919	3	Strongylidae	Rhabditida			+
<i>Potorostrongylus</i>	Johnston & Mawson	1939	5	Strongylidae	Rhabditida			+
<i>Potoroxyuris</i>	Mawson	1964	3	Oxyuridae	Spirurida			+
<i>Practinocephalus</i>	Andrassy	1973	1	Actinolaimidae	Dorylaimida		+	+
<i>Praeacanthonchus</i>	Micoletzky	1924	6	Cyatholaimidae	Chromadorida	+		
<i>Praecocilenchus</i>	Poinar	1969	2	Entaphelenchidae	Panagrolaimida			+
<i>Praeputirhabditis</i>	Khera	1969	1	Myolaimidae	Diplogasterida		+	
<i>Pratinema</i>	Chizhov & Sturhan	1998	1	Allantonematidae	Panagrolaimida			+
<i>Pratylenchoides</i>	Winslow	1958	31	Hoplolaimidae	Panagrolaimida	+		+
<i>Pratylenchus</i>	Filipjev	1936	132	Pratylenchidae	Panagrolaimida			+
<i>Prescafilotermes</i>	Poinar	2011	2	Steinernematidae	Ranagrolaimida			+
<i>Prestwoodia</i>	Anderson	1978	1	Metastrongylidae	Rhabditida			+
<i>Primasubulura</i>	Inglis	1958	10	Subuluridae	Spirurida			+
<i>Prionchulellus</i>	Mulvey & Jensen	1967	1	Itonchidae	Mononchida			+
<i>Prionchuloides</i>	Mulvey	1963	1	Mylonchulidae	Mononchida			+
<i>Prionchulus</i>	Cobb	1916	31	Mononchidae	Mononchida		+	+
<i>Prismatolaimus</i>	De-Man	1880	37	Prismatolaimidae	Tripylida		+	+
<i>Pristionchus</i>	Kreis	1932	79	Diplogasteridae	Diplogasterida		+	+
<i>Pristionema</i>	N. Cobb in M. Cobb	1933	1	Ceramonematidae	Leptolaimida	+		
<i>Probstmayria</i>	Ransom	1907	10	Kathlaniidae	Spirurida			+
<i>Procamacolaimus</i>	Gerlach	1954	7	Camacolaimidae	Plectida	+		
<i>Procamallanus</i>	Baylis	1923	211	Camallanidae	Spirurida		+	
<i>Procephalobus</i>	Steiner	1934	1	Panagrolaimidae	Panagrolaimida			+
<i>Prochaetosoma</i>	Micoletzky	1922	13	Draconematidae	Desmodorida	+		
<i>Prochromadora</i>	Filipjev	1922	10	Chromadoridae	Chromadorida	+		
<i>Prochromadorella</i>	Micoletzky	1924	33	Chromadoridae	Chromadorida	+		
<i>Procyonostrongylus</i>	Anderson, Prestwood & Strelive	1979	1	Metastrongylidae	Rhabditida			+
<i>Procyrnea</i>	Chabaud	1958	46	Habronematidae	Spirurida			+

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<i>Prodesmodora</i>	Micoletzky	1923	10	Desmodoridae	Desmodorida	+	+	
<i>Prodomorganus</i>	Gagarin	1993	1	Ohridiidae	Leptolaimida		+	
<i>Prodontorhabditis</i>	Timm	1961	41	Diploscapteridae	Rhabditida			+
<i>Prodorylaimium</i>	Andrassy	1969	4	Dorylaimidae	Dorylaimida		+	+
<i>Prodorylaimus</i>	Andrassy	1959	48	Dorylaimidae	Dorylaimida	+	+	+
<i>Profilarinema</i>	Durette-Desset & Beveridge	1981	3	Trichostrongylidae	Rhabditida			+
<i>Progreffiella</i>	Timm	1970	2	Desmoscolecidae	Desmoscolecida	+		
<i>Proheterorhabditis</i>	Poinar	2011	1	Heterorhabditidae	Rhabditida			+
<i>Proleptonchoides</i>	Ferris, Goseco & Kumar	1979	3	Leptonchidae	Dorylaimida			+
<i>Proleptonchus</i>	Lordello	1955	28	Leptonchidae	Dorylaimida			+
<i>Proleptus</i>	Dujardin	1845	10	Physalopteridae	Spirurida	+	+	
<i>Prolinhomoeus</i>	Timm	1961	1	Linhomoeidae	Monhysterida	+		
<i>Promiconchus</i>	Jairajpuri & Khan	1982	3	Anatonchidae	Mononchida		+	
<i>Promonhystera</i>	Wieser	1956	2	Xyalidae	Monhysterida	+		
<i>Promuntazium</i>	Siddiqi	1982	2	Tylencholaimidae	Dorylaimida			+
<i>Proncholaimus</i>	Micoletzky	1924	13	Oncholaimidae	Oncholaimida	+		
<i>Proparasitylenchus</i>	Wachek	1955	8	Allantonematidae	Panagrolaimida			+
<i>Propharyngodon</i>	Biswas & Chakravarty	1963	2	Thelastomatidae	Spirurida			+
<i>Proplatycoma</i>	Platonova	1976	1	Leptosomatidae	Ironida	+		
<i>Prorhynchonema</i>	Gourbault	1982	2	Xyalidae	Monhysterida	+		
<i>Prosphaerolaimus</i>	Filipjev	1918	2	Linhomoeidae	Monhysterida	+		
<i>Prospinitectus</i>	Petter	1979	2	Cystidicolidae	Spirurida	+	+	
<i>Prosungulonema</i>	Roytman	1963	4	Rhabdochoniidae	Spirurida	+		
<i>Protenema</i>	Petter & Planelles	1986	1	Micropleuridae	Spirurida		+	+
<i>Prothallonema</i>	Christie	1938	25	Sphaerulariidae	Panagrolaimida			+
<i>Prothornenema</i>	Baqri & Bohra	2003	1	Dorylaimidae	Dorylaimida			+
<i>Protocylindrocorpus</i>	Poinar, Pereira-Da-Silva & Hector-Flechtmann	2014	1	Diplogasteridae	Diplogasterida			+
<i>Protodorylaimus</i>	Andrassy	1988	2	Dorylaimidae	Dorylaimida		+	+
<i>Protofilaria</i>	Chandler	1929	1	Onchocercidae	Spirurida			+
<i>Protorhabditis</i>	Osche in Dougherty	1952	18	Diploscapteridae	Rhabditida			+
<i>Protospirura</i>	Seurat	1914	19	Spiruridae	Spirurida			+
<i>Protostrongylus</i>	Kamensky	1905	37	Metastrongylidae	Rhabditida			+
<i>Prototricoma</i>	Timm	1970	3	Meyliidae	Desmoscolecida	+		
<i>Protozoophaga</i>	Travassos	1923	1	Oxyuridae	Spirurida			+
<i>Protrellatus</i>	Farooqui	1970	5	Protrelloidiidae	Spirurida			+
<i>Protrelleta</i>	Chitwood	1932	4	Protrelloidiidae	Spirurida			+
<i>Protrelloides</i>	Chitwood	1932	2	Protrelloidiidae	Spirurida			+
<i>Protrellus</i>	Cobb	1920	15	Protrelloidiidae	Spirurida			+
<i>Protricoma</i>	Timm	1970	4	Meyliidae	Desmoscolecida	+		
<i>Protricomoides</i>	Timm	1970	2	Desmoscolecidae	Desmoscolecida	+		
<i>Protylenchus</i>	Wachek	1955	2	Allantonematidae	Panagrolaimida			+
<i>Proyseria</i>	Petter	1959	5	Acuariidae	Spirurida			+
<i>Psammomermis</i>	Pologenzev	1941	12	Mermithidae	Mermithida		+	+

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<i>Psammonema</i>	Verschelde & Vincx	1995	3	Desmodoridae	Desmodorida	+		
<i>Pselionema</i>	Cobb	1933	13	Ceramonematidae	Leptolaimida	+		
<i>Pseudabbreviata</i>	Lichtenfels & Quigley	1968	4	Physalopteridae	Spirurida			+
<i>Pseudacrobeles</i>	Steiner	1938	16	Cephalobidae	Panagrolaimida			+
<i>Pseudalius</i>	Dujardin	1845	2	Metastrongylidae	Rhabditida	+		
<i>Pseudamidostomum</i>	Boulenger	1926	4	Trichostrongylidae	Rhabditida		+	+
<i>Pseudanisakis</i>	Layman & Borovkova	1926	3	Anisakidae	Spirurida	+		
<i>Pseudaphelenchus</i>	Kanzaki, Giblin-Davis, Scheffrahn, Center & Davies	2009	12	Tylaphelenchidae	Panagrolaimida			+
<i>Pseudaplectana</i>	Yamaguti	1961	1	Cosmocercidae	Spirurida		+	
<i>Pseudaprocta</i>	Schikhobalova	1930	8	Aproctidae	Spirurida			+
<i>Pseudaraeolaimus</i>	Chitwood	1951	8	Diplopeltidae	Monhysterida	+		
<i>Pseudascarophis</i>	Ko, Margolis & Machida	1985	4	Cystidicolidae	Spirurida	+		
<i>Pseudaspicularis</i>	Akhtar	1955	1	Oxyuridae	Spirurida			+
<i>Pseudaspidodera</i>	Baylis & Daubney	1922	2	Heterakidae	Spirurida			+
<i>Pseudechinotheristus</i>	Blome	2002	1	Xyalidae	Monhysterida	+		
<i>Pseudelzalia</i>	Yu & Xu	2015	1	Xyalidae	Monhysterida	+		
<i>Pseudhalenchus</i>	Tarjan	1958	6	Anguinidae	Panagrolaimida			+
<i>Pseudlemdana</i>	Sonin & Shumilo	1964	1	Onchocercidae	Spirurida			+
<i>Pseudoaulolaimus</i>	Imamura	1931	1	Aulolaimidae	Mermithida			+
<i>Pseudoaviculariella</i>	Gupta & Jehan	1971	1	Acuariidae	Spirurida			+
<i>Pseudocapillaria</i>	Freitas	1959	27	Capillariidae	Trichocephalida		+	+
<i>Pseudocella</i>	Filipjev	1927	26	Leptosomatidae	Ironida	+		
<i>Pseudocheironchus</i>	Leduc	2013	1	Selachinematidae	Selachinematida	+		
<i>Pseudochromadora</i>	Daday	1899	12	Desmodoridae	Desmodorida	+		
<i>Pseudocruzia</i>	Wolfgang	1953	1	Kathlaniidae	Spirurida			+
<i>Pseudocyrtosomum</i>	Gupta & Johri	1988	1	Atractidae	Spirurida		+	+
<i>Pseudodelphis</i>	Adamson & Roth	1990	4	Guyanemidae	Spirurida	+		
<i>Pseudodesmicola</i>	Jex, Schneider, Rose & Cribb	2006	1	Thelastomatidae	Spirurida			+
<i>Pseudodesmodora</i>	Boucher	1975	3	Desmodoridae	Desmodorida	+		
<i>Pseudodilaimus</i>	Kreis	1928	1	Enchelidiidae	Oncholaimida	+		
<i>Pseudodiomedenema</i>	Gupta & Johri	1989	1	Filariidae	Spirurida			+
<i>Pseudodiplogasteroides</i>	Koerner	1954	2	Pseudodiplogasteroididae	Diplogasterida			+
<i>Pseudofilaria</i>	Sandground	1936	2	Filariidae	Spirurida			+
<i>Pseudohaplonema</i>	Wang	1978	1	Acuariidae	Spirurida		+	+
<i>Pseudoheligmomosomum</i>	Travassos	1937	1	Trichostrongylidae	Rhabditida			+
<i>Pseudolella</i>	Cobb	1920	16	Axonolaimidae	Monhysterida	+		
<i>Pseudolitomosa</i>	Yamaguti	1941	1	Onchocercidae	Spirurida			+
<i>Pseudomazzia</i>	Mujib, Bilqees, Rehana, Ghazi & Haseeb	2005	1	Spiruridae	Spirurida	+		
<i>Pseudomermis</i>	De-Man	1903	7	Mermithidae	Mermithida		+	
<i>Pseudometachromadora</i>	Timm	1952	2	Desmodoridae	Desmodorida	+		
<i>Pseudoncholaimus</i>	Kreis	1932	9	Oncholaimidae	Oncholaimida	+		
<i>Pseudonchus</i>	Cobb	1920	11	Desmodoridae	Desmodorida	+		

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<i>Pseudonchulus</i>	Altherr	1972	1	Onchulidae	Tripylida		+	
<i>Pseudonymus</i>	Diesing	1857	12	Pseudonymidae	Spirurida			+
<i>Pseudopelagonema</i>	Kreis	1932	2	Oncholaimidae	Oncholaimida	+		
<i>Pseudophysaloptera</i>	Baylis	1934	8	Physalopteridae	Spirurida			+
<i>Pseudoplatycoma</i>	Chen	2014	3	Leptosomatidae	Ironida	+		
<i>Pseudoproleptus</i>	Khera	1953	11	Cystidicolidae	Spirurida	+	+	
<i>Pseudorictularia</i>	Dollfus & Desportes	1945	1	Rictulariidae	Spirurida			+
<i>Pseudosteineria</i>	Wieser	1956	13	Xyalidae	Monhysterida	+		
<i>Pseudostertagia</i>	Orloff	1933	4	Trichostrongylidae	Rhabditida			+
<i>Pseudostrongyloides</i>	Kreis	1940	1	Ascarididae	Spirurida			+
<i>Pseudostrongyluris</i>	Guerrero	1971	1	Heterakidae	Spirurida			+
<i>Pseudoterranova</i>	Mosgovoy	1950	7	Anisakidae	Spirurida	+		
<i>Pseudoterschellingia</i>	Armenteros, Vincx & Decraemer	2009	1	Linhomoeidae	Monhysterida	+		
<i>Pseudothamugadia</i>	Lopez-Neyra	1956	1	Onchocercidae	Spirurida			+
<i>Pseudotriceratoma</i>	Belogurov & Fadeeva	1985	1	Leptosomatidae	Ironida	+		
<i>Pseudoxyascaris</i>	Uchida & Itagaki	1979	1	Kathlaniidae	Spirurida		+	
<i>Psilenchus</i>	De-Man	1921	21	Psilenchidae	Panagrolaimida			+
<i>Psocidonema</i>	Poinar	2011	1	Mesorhabditidae	Rhabditida			+
<i>Psychodorhabditis</i>	Poinar	2011	6	Rhabditidae	Rhabditida			+
<i>Psyllomermis</i>	Rubtzov	1981	2	Mermithidae	Mermithida			+
<i>Psyllotylenchus</i>	Poinar & Nelson	1973	16	Parasitylenchidae	Panagrolaimida			+
<i>Pternepsilonema</i>	Verschelde & Vincx	1993	1	Epsilonematidae	Desmodorida	+		
<i>Pteronemella</i>	Rao	1958	1	Travassosinematidae	Spirurida			+
<i>Pteronium</i>	Cobb	1933	1	Richtersiidae	Selachinematida	+		
<i>Pterothominx</i>	Freitas	1959	22	Capillariidae	Trichocephalida			+
<i>Pterotylenchus</i>	Siddiqi & Lenne	1984	1	Anguinidae	Panagrolaimida			+
<i>Pterygodermatites</i>	Wedl	1861	38	Rictulariidae	Spirurida			+
<i>Pterygonema</i>	Gerlach	1954	5	Ceramonematidae	Leptolaimida	+		
<i>Pterygorhabditis</i>	Timm	1957	6	Pterygorhabditidae	Rhabditida			+
<i>Ptychaphelenchus</i>	Hodda	2009	1	Aphelenchoididae	Panagrolaimida			+
<i>Ptycholaimellus</i>	Cobb	1920	26	Chromadoridae	Chromadorida	+		
<i>Pudica</i>	Travassos & Darriba	1929	19	Trichostrongylidae	Rhabditida			+
<i>Pulchranemella</i>	Cobb	1933	1	Xyalidae	Monhysterida	+		
<i>Pulchrascaris</i>	Vicente & Dos-Santos	1972	3	Anisakidae	Spirurida	+		
<i>Pulchrocephala</i>	Travassos	1925	2	Travassosinematidae	Spirurida			+
<i>Pulcimermis</i>	Rubtzov	1981	1	Mermithidae	Mermithida			+
<i>Pulmostrongylus</i>	Hsu	1935	3	Metastrongylidae	Rhabditida			+
<i>Punchaulus</i>	De-Ley & Coomans	1996	1	Aphelenchoididae	Panagrolaimida			+
<i>Punctodera</i>	Mulvey & Stone	1976	3	Meloidogynidae	Panagrolaimida			+
<i>Punctodora</i>	Filipjev	1930	5	Chromadoridae	Chromadorida	+		
<i>Punctolepis</i>	Khan	1987	1	Leptonchidae	Dorylaimida			+
<i>Pungenus</i>	Thorne & Swanger	1936	22	Nordiidae	Dorylaimida		+	+
<i>Pygarginema</i>	Kadenatsy	1948	2	Spirocercidae	Spirurida			+
<i>Pygecantha</i>	Hunt	1997	1	Carnoyidae	Rhigonematida			+
<i>Quadricoma</i>	Filipjev	1922	32	Meyliidae	Desmoscolecida	+		

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<i>Quadricomoides</i>	Decraemer	1976	5	Meyliidae	Desmoscolecida	+		
<i>Quadrimermis</i>	Coman	1961	3	Mermithidae	Mermithida		+	
<i>Quadriplotriaena</i>	Wehr	1939	2	Diplotriaenidae	Spirurida			+
<i>Quasiamidostomum</i>	Lomakin	1991	4	Trichostrongylidae	Rhabditida		+	+
<i>Quasibrilus</i>	Tsalolikhin	1976	3	Tobrilidae	Tripylida		+	
<i>Quasithelazia</i>	Maplestone	1932	19	Acuariidae	Spirurida			+
<i>Qudsianema</i>	Jairajpuri	1965	1	Qudsianematidae	Dorylaimida			+
<i>Qudsiella</i>	Jairajpuri	1967	1	Belondiridae	Dorylaimida			+
<i>Quentinstrongylus</i>	Durette-Desset	1969	1	Trichostrongylidae	Rhabditida			+
<i>Quilonia</i>	Lane	1914	17	Strongylidae	Rhabditida			+
<i>Quimperia</i>	Gendre	1928	1	Quimperiidae	Spirurida		+	
<i>Quinisulcius</i>	Siddiqi	1971	17	Telotylenchidae	Panagrolaimida			+
<i>Rabbium</i>	Chitwood	1960	1	Seuratidae	Spirurida			+
<i>Radopholoides</i>	De Guiran	1967	4	Hoplolaimidae	Panagrolaimida			+
<i>Radopholus</i>	Thorne	1949	25	Hoplolaimidae	Panagrolaimida			+
<i>Rafiqius</i>	Khan & Hussain	1997	2	Cephalobidae	Panagrolaimida			+
<i>Ragenema</i>	Slimane, Chabaud & Durette-Desset	1996	1	Trichostrongylidae	Rhabditida		+	+
<i>Rahmium</i>	Andrassy	1973	1	Mononchulidae	Bathyodontida			+
<i>Raillietascaris</i>	Sprent	1985	3	Ascarididae	Spirurida			+
<i>Raillietnema</i>	Travassos	1927	18	Cosmocercidae	Spirurida		+	+
<i>Ransomnema</i>	Artigas	1926	10	Ransomnematidae	Rhigonematida			+
<i>Ransomus</i>	Hall	1916	2	Strongylidae	Rhabditida			+
<i>Raonema</i>	Kloss	1965	3	Carnoyidae	Rhigonematida			+
<i>Raphidascaris</i>	Railliet & Henry	1915	48	Raphidascarididae	Spirurida	+	+	
<i>Raphidascaroides</i>	Yamaguti	1941	15	Raphidascarididae	Spirurida	+	+	
<i>Rasheedia</i>	Moravec & Justine	2018	7	Physalopteridae	Spirurida		+	
<i>Rattuststrongylus</i>	Ow-Yang, Durette-Desset & Ohbayashi	1983	2	Trichostrongylidae	Rhabditida			+
<i>Rauschia</i>	Durette-Desset	1979	5	Trichostrongylidae	Rhabditida			+
<i>Rauschivingylus</i>	Kontrimavichus & Delyamure	1979	2	Metastrongylidae	Rhabditida			+
<i>Rauschoxyuris</i>	Quentin	1975	1	Heteroxynematidae	Spirurida			+
<i>Rauschtineria</i>	Hugot	1980	2	Oxyuridae	Spirurida			+
<i>Reesimermis</i>	Tsai & Grundmann	1969	2	Mermithidae	Mermithida		+	
<i>Reiterina</i>	Sudhaus	2011	1	Rhabditidae	Rhabditida			+
<i>Retrotheristus</i>	Lorenzen	1977	1	Xyalidae	Monhysterida	+		
<i>Rhabdias</i>	Stiles & Hassall	1905	82	Rhabdiasidae	Rhabditida			+
<i>Rhabditella</i>	Cobb	1929	10	Rhabditidae	Rhabditida		+	+
<i>Rhabditidoides</i>	Rahm	1928	8	Diplogasteroididae	Diplogasterida		+	+
<i>Rhabditis</i>	Dujardin	1845	27	Rhabditidae	Rhabditida	+		+
<i>Rhabditoides</i>	Goodey	1929	9	Rhabditoididae	Rhabditida			+
<i>Rhabditolaimus</i>	Fuchs	1914	22	Diplogasteridae	Diplogasterida			+
<i>Rhabditonema</i>	Koerner	1954	1	Rhabditidae	Rhabditida			+
<i>Rhabditophanes</i>	Fuchs	1930	3	Alloionematidae	Panagrolaimida			+

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<i>Rhabditostomum</i>	Chabaud & Krishnasamy	1976	1	Strongylidae	Rhabditida			+
<i>Rhabdochona</i>	Railliet	1916	169	Rhabdochonidae	Spirurida	+	+	
<i>Rhabdocoma</i>	Cobb	1920	4	Trefusiidae	Trefusiida	+		
<i>Rhabdodemia</i>	Baylis & Daubney	1926	17	Rhabdodemiidae	Tripylida	+		
<i>Rhabdolaimus</i>	De-Man	1880	1	Rhabdolaimidae	Ironida	+		+
<i>Rhabdotoderma</i>	Marion	1870	1	Chromadoridae	Chromadorida	+		
<i>Rhabpanus</i>	Massey	1971	3	Cruzematidae	Rhabditida			+
<i>Rhadinema</i>	Cobb	1920	3	Rhadinematidae	Leptolaimida	+		
<i>Rhaphothyreius</i>	Hope & Murphy	1969	2	Rhaphothyreidae	Rhaphothyreida	+		
<i>Rhigonema</i>	Cobb	1898	2	Rhigonematidae	Rhigonematida			+
<i>Rhinema</i>	Cobb	1920	2	Monoposthiidae	Desmodorida	+		
<i>Rhinocerotonema</i>	Jiang, Yin & Kung	1986	1	Strongylidae	Rhabditida			+
<i>Rhinoclemmysnema</i>	Gibbons & Platt	2006	1	Atractidae	Spirurida		+	+
<i>Rhips</i>	Cobb	1920	9	Chromadoridae	Chromadorida	+		
<i>Rhitilla</i>	Andrassy	2007	1	Rhabditoididae	Rhabditida			+
<i>Rhitis</i>	Andrassy	1983	7	Rhabditoididae	Rhabditida			+
<i>Rhizonemella</i>	Andrassy	2007	7	Heteroderidae	Panagrolaimida			+
<i>Rhodolaimus</i>	Fuchs	1930	13	Bunonematidae	Rhabditida			+
<i>Rhodonema</i>	Andrassy	1983	2	Bunonematidae	Rhabditida			+
<i>Rhomborhabditis</i>	Andrassy	1983	1	Peloderidae	Rhabditida			+
<i>Rhynchomermis</i>	Rubtsov	1978	1	Mermithidae	Mermithida		+	
<i>Rhynchonema</i>	Cobb	1920	34	Xyalidae	Monhysterida	+		
<i>Rhysocolpus</i>	Andrassy	1971	2	Nordiidae	Dorylaimida			+
<i>Richtersia</i>	Steiner	1916	20	Richtersiidae	Selachinematida	+		
<i>Rictularia</i>	Froelich	1802	59	Rictulariidae	Spirurida			+
<i>Rictularina</i>	Johnston & Mawson	1941	1	Rictulariidae	Spirurida			+
<i>Rictularioides</i>	Hall	1916	1	Rictulariidae	Spirurida			+
<i>Ridgellus</i>	Siddiqi	2000	1	Boleodoridae	Panagrolaimida		+	+
<i>Riouxgolvania</i>	Bain & Chabaud	1968	3	Muspiceidae	Muspiceida			+
<i>Ritenbenkia</i>	Allgen	1957	1	Leptosomatidae	Ironida	+		
<i>Robbea</i>	Gerlach	1956	6	Desmodoridae	Desmodorida	+		
<i>Robertdollfusa</i>	Chabaud & Campana-Rouget	1950	2	Robertdollfusidae	Muspiceida			+
<i>Robleus</i>	Massey	1974	1	Parasitylenchidae	Panagrolaimida			+
<i>Robustnema</i>	Nicholas	1996	1	Xyalidae	Monhysterida	+		
<i>Robustodorus</i>	Andrassy	2007	7	Aphelenchoididae	Panagrolaimida			+
<i>Rodentanema</i>	Smales	2016	1	Trichostrongylidae	Rhabditida			+
<i>Rodentocaulus</i>	Schulz, Orlov & Kutass	1938	1	Metastrongylidae	Rhabditida			+
<i>Rodentogamus</i>	Sadovskaja	1950	1	Strongylidae	Rhabditida			+
<i>Rogerus</i>	Hoeppli & Chu	1934	2	Rhabdolaimidae	Ironida			+
<i>Romanomermis</i>	Coman	1961	17	Mermithidae	Mermithida		+	
<i>Rondonema</i>	Artigas	1926	3	Carnoyidae	Rhigonematida			+
<i>Rondonia</i>	Travassos	1919	4	Atractidae	Spirurida		+	
<i>Roqueus</i>	Thorne	1964	3	Belondiridae	Dorylaimida			+
<i>Rostrulium</i>	Siddiqi	1995	3	Tylencholaimidae	Dorylaimida			+

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<i>Rotylenchoides</i>	Whitehead	1958	10	Hoplolaimidae	Panagrolaimida			+
<i>Rotylenchulus</i>	Linford & Oliveira	1940	14	Rotylenchulidae	Panagrolaimida			+
<i>Rotylenchus</i>	Filipjev	1936	111	Hoplolaimidae	Panagrolaimida			+
<i>Roveaphelenchus</i>	Nickle	1970	1	Entaphelenchidae	Panagrolaimida			+
<i>Royandersonia</i>	Moravec & Van-As	2004	1	Pharyngodonidae	Spirurida		+	
<i>Rubzovinema</i>	Slobodyanyuk	1991	3	Neotylenchidae	Panagrolaimida			+
<i>Ruehmaphelenchus</i>	Goodey	1963	14	Parasitaphelenchidae	Panagrolaimida			+
<i>Rugonema</i>	Beveridge	1999	2	Strongylidae	Rhabditida			+
<i>Rugopharynx</i>	Moennig	1926	22	Strongylidae	Rhabditida			+
<i>Rugostongylus</i>	Beveridge	1982	1	Strongylidae	Rhabditida			+
<i>Ruizia</i>	Travassos & Kloss	1959	2	Rhigonematidae	Rhigonematida			+
<i>Rumai</i>	Travassos	1960	1	Philometridae	Spirurida	+		
<i>Rumenfilaria</i>	Lankester & Snider	1982	1	Onchocercidae	Spirurida			+
<i>Rusguniella</i>	Seurat	1919	4	Acuariidae	Spirurida	+		+
<i>Sabanema</i>	Ow-Yang, Durette-Desset & Ohbayashi	1983	5	Trichostrongylidae	Rhabditida			+
<i>Sabatieria</i>	Rouville	1903	106	Comesomatidae	Monhysterida	+		
<i>Sachsia</i>	Meyl	1960	3	Cephalobiidae	Diplogasterida		+	+
<i>Sachsium</i>	Andrassy	1971	1	Bunonematidae	Rhabditida			+
<i>Sacrimarinema</i>	Shoshin	2001	3	Xyalidae	Monhysterida	+		
<i>Sadkonavis</i>	Platonova	1979	1	Leptosomatidae	Ironida	+		
<i>Saftanema</i>	Siddiqi	1980	6	Anguinidae	Panagrolaimida			+
<i>Sakia</i>	Khan	1964	16	Tylenchidae	Panagrolaimida			+
<i>Salesia</i>	Travassos & Kloss	1958	2	Hystriognathidae	Spirurida			+
<i>Salimella</i>	Siddiqi	2005	1	Dorylaimidae	Dorylaimida		+	
<i>Salvelinema</i>	Trofimenko	1962	2	Cystidicolidae	Spirurida		+	
<i>Sandnema</i>	Chabaud & Bain	1976	2	Onchocercidae	Spirurida			+
<i>Sanduanensis</i>	Durette-Desset & Digiani	2015	2	Trichostrongylidae	Rhabditida			+
<i>Saprorhabditis</i>	Khera	1969	1	Rhabditidae	Rhabditida			+
<i>Sarconema</i>	Wehr	1939	5	Onchocercidae	Spirurida		+	+
<i>Sarisodera</i>	Wouts & Sher	1971	1	Heteroderidae	Panagrolaimida			+
<i>Sarsonia</i>	Gerlach	1967	2	Linhomoeidae	Monhysterida	+		
<i>Sauertylenchus</i>	Sher	1974	5	Telotylenchidae	Panagrolaimida			+
<i>Sauricola</i>	Chapin	1924	1	Strongylidae	Rhabditida			+
<i>Saurositus</i>	Macfie	1924	3	Onchocercidae	Spirurida			+
<i>Saveljevia</i>	Filipjev	1927	6	Thoracostomopsidae	Enoplida	+		
<i>Scalpelus</i>	Ahmad	2004	1	Qudsianematidae	Dorylaimida			+
<i>Scalpenchus</i>	Siddiqi	1995	1	Mydonomidae	Dorylaimida			+
<i>Scapidens</i>	Heyns	1965	1	Nygolaimellidae	Dorylaimida			+
<i>Scaptrella</i>	Cobb	1917	5	Xyalidae	Monhysterida	+		
<i>Scarabinema</i>	Poinar	2011	1	Diplogasteridae	Diplogasterida			+
<i>Scatonema</i>	Bovien	1933	1	Allantonematidae	Panagrolaimida			+
<i>Schikhobalovia</i>	Ali & Deshpande	1969	1	Trichostrongylidae	Rhabditida			+
<i>Schistonchus</i>	Cobb	1927	11	Aphelenchoididae	Panagrolaimida			+
<i>Schistorophus</i>	Railliet	1916	7	Acuariidae	Spirurida			+

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<i>Schmassmannimermis</i>	Rubtsov	1978	1	Mermithidae	Mermithida			+
<i>Schneidernema</i>	Travassos	1927	2	Schneidernematidae	Spirurida			+
<i>Scholpaniella</i>	Sergeeva	1973	1	Comesomatidae	Monhysterida	+		
<i>Schrankiana</i>	Strand	1942	8	Cosmocercidae	Spirurida		+	+
<i>Schulmanela</i>	Ivaskin	1964	1	Capillariidae	Trichocephalida		+	
<i>Schulzia</i>	Travassos	1937	6	Trichostrongylidae	Rhabditida		+	+
<i>Schulzinema</i>	Krastin	1937	1	Strongylidae	Rhabditida			+
<i>Schuurmanimermis</i>	Rubtsov	1978	2	Mermithidae	Mermithida			+
<i>Schwenckiana</i>	Kloss	1966	1	Thelastomatidae	Spirurida			+
<i>Sciadiocara</i>	Skryabin	1916	8	Acuariidae	Spirurida			+
<i>Scirtimermis</i>	Kaiser & Klausnitzer	2001	1	Mermithidae	Mermithida		+	
<i>Sciuricola</i>	Durette-Desset	1983	2	Trichostrongylidae	Rhabditida			+
<i>Sciurodendrium</i>	Durette-Desset	1971	7	Trichostrongylidae	Rhabditida			+
<i>Scleralaimus</i>	Siddiqi	1993	1	Alaimidae	Alaimida			+
<i>Scleramphidelus</i>	Clausi & Vinciguerra	1995	1	Alaimidae	Alaimida			+
<i>Scleroactinolaimus</i>	Ahmad, Khan & Ahmad	1992	1	Actinolaimidae	Dorylaimida		+	
<i>Sclerolabia</i>	Carbonell & Coomans	1986	6	Dorylaimidae	Dorylaimida			+
<i>Sclerolaimus</i>	Jairajpuri & Ahmad	1992	1	Tylencholaimidae	Dorylaimida			+
<i>Sclerorhabditis</i>	Ahmad, Shah & Mahamood	2007	1	Diploscapteridae	Rhabditida			+
<i>Sclerostylus</i>	Goseco, Ferris & Ferris	1981	2	Leptonchidae	Dorylaimida			+
<i>Sclerotrichum</i>	Rudolphi	1819	1	Trichuridae	Trichocephalida			+
<i>Scolecophilus</i>	Baylis & Daubney	1922	4	Scolecophilidae	Drilonematida			+
<i>Scolytonema</i>	Poinar	2011	3	Diplogasteridae	Diplogasterida			+
<i>Scottinema</i>	Timm	1971	1	Cephalobidae	Panagrolaimida			+
<i>Scutellonema</i>	Andrassy	1958	58	Hoplolaimidae	Panagrolaimida			+
<i>Scutylenchus</i>	Jairajpuri	1971	21	Telotylenchidae	Panagrolaimida			+
<i>Sectonema</i>	Thorne	1930	40	Aporcelaimidae	Dorylaimida		+	+
<i>Seinura</i>	Fuchs	1931	56	Seinuridae	Panagrolaimida			+
<i>Selachinema</i>	Cobb	1915	1	Selachinematidae	Selachinematida	+		
<i>Semitobrilus</i>	Tsalolikhin	1981	4	Tobrilidae	Tripylida		+	
<i>Senegalonema</i>	Germani, Luc & Baldwin	1984	1	Rotylenchulidae	Panagrolaimida			+
<i>Serofilaria</i>	Wu & Yun in Wu, Yun, Jia, Xu & Xiao-Nin	1979	1	Onchocercidae	Spirurida			+
<i>Serpentirhabdias</i>	Tkach, Kuzmin & Snyder	2014	18	Rhabdiasidae	Rhabditida			+
<i>Serpinema</i>	Yeh	1960	7	Camallanidae	Spirurida		+	
<i>Serradacnitis</i>	Lane	1916	1	Kathlaniidae	Spirurida		+	+
<i>Serratospiculoides</i>	Sonin	1968	1	Diplotriaeidae	Spirurida			+
<i>Serratospiculum</i>	Skryabin	1915	7	Diplotriaeidae	Spirurida			+
<i>Setaria</i>	Viborg	1795	46	Onchocercidae	Spirurida			+
<i>Setonema</i>	Poinar	2011	1	Acugutturidae	Panagrolaimida			+
<i>Setoplectus</i>	Vitiello	1971	4	Haliplectidae	Plectida	+	+	
<i>Setosabatieria</i>	Platt	1985	13	Comesomatidae	Monhysterida	+		
<i>Setostephanolaimus</i>	Tchesunov	1994	7	Leptolaimidae	Leptolaimida	+		

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<i>Seuratascaris</i>	Sprent	1985	1	Ascarididae	Spirurida		+	+
<i>Seuratia</i>	Skryabin	1916	3	Acuariidae	Spirurida			+
<i>Seuratiella</i>	Ditlevsen	1923	1	Cyatholaimidae	Chromadorida	+		
<i>Seuratium</i>	Hall	1916	8	Seuratidae	Spirurida			+
<i>Seurechina</i>	Chabaud, Seureau, Beveridge, Bain & Durette-Desset	1980	3	Seuratidae	Spirurida			+
<i>Severianoia</i>	Schwenck	1926	9	Thelastomatidae	Spirurida			+
<i>Sexansocara</i>	Sobolev & Sudarikov	1939	1	Acuariidae	Spirurida			+
<i>Sexansodera</i>	Skryabin & Schikhobalova	1947	1	Aspidoderidae	Spirurida			+
<i>Shahnema</i>	Siddiqi	2014	4	Diplogasteridae	Diplogasterida			+
<i>Shattuckius</i>	Sandground	1938	1	Trichostrongylidae	Rhabditida			+
<i>Sheraphelenchus</i>	Nickle	1970	6	Aphelenchoididae	Panagrolaimida			+
<i>Shunyanema</i>	Hasegawa & Uchida	2006	1	Pharyngodonidae	Spirurida		+	
<i>Sibayinema</i>	Swart & Heyns	1991	1	Desmodoridae	Desmodorida	+		
<i>Sicaguttur</i>	Siddiqi	1971	15	Dorylaimidae	Dorylaimida			+
<i>Siconema</i>	Timm	1966	24	Ungellidae	Drilonematida			+
<i>Siconemoides</i>	Timm	1966	1	Ungellidae	Drilonematida			+
<i>Sicorinema</i>	Siddiqi	1982	7	Qudsianematidae	Dorylaimida			+
<i>Siddiqia</i>	Khan, Chawla & Saha	1978	28	Longidoridae	Dorylaimida			+
<i>Sigmophoranema</i>	Hope & Murphy	1972	4	Desmodoridae	Desmodorida	+		
<i>Silenchus</i>	Andrassy	2001	1	Tylenchidae	Panagrolaimida			+
<i>Sivallis</i>	Ahmad & Jairajpuri	1986	1	Dorylaimidae	Dorylaimida			+
<i>Similascarophis</i>	Munoz-Gonzalez & George-Nascimento	2004	2	Cystidicolidae	Spirurida	+		
<i>Simondsia</i>	Cobbold	1864	2	Spirocercidae	Spirurida			+
<i>Simpliconema</i>	Blome & Schrage	1985	3	Simpliconematidae	Trefusiida	+		
<i>Simulimermis</i>	Gafurov, Bekturganov & Gubaidulin	1991	1	Mermithidae	Mermithida		+	
<i>Sinanema</i>	Andrassy	1960	3	Monhysteridae	Monhysterida		+	
<i>Singhiella</i>	Rao	1958	1	Travassosinematidae	Spirurida			+
<i>Sinoichthyonema</i>	Wu in Chen	1965	1	Skrjabillanidae	Spirurida		+	
<i>Siphonolaimus</i>	De-Man	1893	54	Siphonolaimidae	Monhysterida	+		
<i>Sitadevinema</i>	Khera	1970	1	Monhysteridae	Monhysterida		+	
<i>Skarbilovinema</i>	Chizhov & Zakharenkova	1991	2	Iotonchiidae	Panagrolaimida			+
<i>Skibbinema</i>	Van-Reenan & Heyns	1986	1	Qudsianematidae	Dorylaimida			+
<i>Skladnikia</i>	Ricci	1939	1	Strongylidae	Rhabditida			+
<i>Skrjabillanus</i>	Shigin & Shigina	1958	4	Skrjabillanidae	Spirurida		+	
<i>Skrjabinalius</i>	Delamure	1942	2	Metastrongylidae	Rhabditida	+		
<i>Skrjabinelazia</i>	Syplixov	1930	7	Seuratidae	Spirurida			+
<i>Skrjabinema</i>	Werestchajin	1926	11	Oxyuridae	Spirurida			+
<i>Skrjabingylus</i>	Petrov	1927	7	Metastrongylidae	Rhabditida			+
<i>Skrjabinitectus</i>	Majumdar & Banerjee	1966	1	Rhabdochoniidae	Spirurida			+
<i>Skrjabinocaulus</i>	Boev & Sulimov	1963	1	Metastrongylidae	Rhabditida			+
<i>Skrjabinocerca</i>	Schikhoblaova	1930	5	Acuariidae	Spirurida	+		+

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<i>Skrjabinocercella</i>	Gushanskaya	1953	2	Desmidocercidae	Spirurida			+
<i>Skrjabinoclava</i>	Sobolev	1943	33	Acuariidae	Spirurida			+
<i>Skrjabinodera</i>	Gnedina & Vsevolodov	1947	3	Onchocercidae	Spirurida			+
<i>Skrjabinodon</i>	Inglis	1968	37	Pharyngodonidae	Spirurida			+
<i>Skrjabinofilaria</i>	Travassos	1925	3	Onchocercidae	Spirurida			+
<i>Skrjabinomermis</i>	Pologenzev	1952	4	Mermithidae	Mermithida		+	
<i>Skrjabinoptera</i>	Schulz	1927	8	Physalopteridae	Spirurida			+
<i>Skrjabinura</i>	Gnedina	1933	3	Seuratidae	Spirurida			+
<i>Skryabineandros</i>	Markov	1962	1	Oxyuridae	Spirurida			+
<i>Smithsoninema</i>	Hope & Tchesunov	1999	1	Camacolaimidae	Plectida	+		
<i>Soaresnema</i>	Travassos & Kloss	1958	1	Hystrignathidae	Spirurida			+
<i>Sobolevingylus</i>	Romanov	1952	3	Metastrongylidae	Rhabditida			+
<i>Soboliphyme</i>	Petrov	1930	10	Soboliphymatidae	Diectophymatida			+
<i>Solafilaria</i>	Chabaud, Anderson & Brygoo	1959	3	Onchocercidae	Spirurida			+
<i>Solenolaimus</i>	Cobb	1894	1	Siphonolaimidae	Monhysterida	+		
<i>Solididens</i>	Heyns	1968	8	Nygolaimidae	Dorylaimida		+	
<i>Southerniella</i>	Allgen	1932	15	Diplopeltidae	Monhysterida	+		
<i>Spalacina</i>	Biserkov, Durette-Desset & Genov	1995	3	Trichostrongylidae	Rhabditida			+
<i>Spartonema</i>	Siddiqi	1986	2	Meloidogynidae	Panagrolaimida	+		
<i>Spauligodon</i>	Skryabin, Schikhobalova & Lagodovskaja	1960	44	Pharyngodonidae	Spirurida			+
<i>Spectatus</i>	Travassos	1923	2	Kathlaniidae	Spirurida		+	
<i>Sphaeroamphis</i>	Ahmad & Sturhan	2000	1	Qudsianematidae	Dorylaimida			+
<i>Sphaerocephalum</i>	Filipjev	1918	3	Linhomoeidae	Monhysterida	+		
<i>Sphaerolaimus</i>	Bastian	1865	46	Sphaerolaimidae	Monhysterida	+		
<i>Sphaeronema</i>	Raski & Sher	1952	7	Sphaeronematidae	Panagrolaimida			+
<i>Sphaerotheristus</i>	Timm	1968	5	Xyalidae	Monhysterida	+		
<i>Sphaerularia</i>	Dufour	1837	1	Sphaerulariidae	Panagrolaimida			+
<i>Spiculimermis</i>	Artyukhovskii in Schikhobalova	1963	12	Mermithidae	Mermithida		+	
<i>Spiculocaulus</i>	Schulz, Orlov & Kutass	1933	4	Metastrongylidae	Rhabditida			+
<i>Spiculopteragia</i>	Orloff	1933	24	Trichostrongylidae	Rhabditida			+
<i>Spiliphera</i>	Bastian	1865	9	Chromadoridae	Chromadorida	+		
<i>Spilophorella</i>	Filipjev	1918	14	Chromadoridae	Chromadorida	+		
<i>Spilotylenchus</i>	Launay, Deunff & Bain	1983	8	Parasitylenchidae	Panagrolaimida			+
<i>Spinicauda</i>	Travassos	1920	16	Heterakidae	Spirurida			+
<i>Spininematoides</i>	Rajeswari, Anand & Narayan-Rao	1985	1	Drilonematidae	Drilonematida			+
<i>Spinitectoides</i>	Petter	1969	1	Cystidicolidae	Spirurida	+		
<i>Spinitectus</i>	Fourment	1883	79	Cystidicolidae	Spirurida	+	+	
<i>Spinodesmoscolex</i>	Decraemer	1983	1	Desmoscolecidae	Desmoscolecida	+		
<i>Spinodiplotriaena</i>	Kalyankar & Palladwar	1989	1	Diplotriaenidae	Spirurida			+
<i>Spinonema</i>	Larrazabal-Filho, Neres, Da-Silva & Esteves	2019	3	Desmodoridae	Desmodorida	+		

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<i>Spinostrongylus</i>	Travassos	1935	4	Trichostrongylidae	Rhabditida			+
<i>Spiroxuris</i>	Petter	1994	2	Pharyngodonidae	Spirurida		+	
<i>Spiralatus</i>	Chabaud, Brygoo & Durette	1963	1	Spirocercidae	Spirurida			+
<i>Spiramphinema</i>	Wieser	1957	3	Xyalidae	Monhysterida	+		
<i>Spirinia</i>	Gerlach	1963	18	Desmodoridae	Desmodorida	+		
<i>Spirobakerus</i>	Chabaud & Bain	1981	1	Spirocercidae	Spirurida			+
<i>Spirobolbolaimus</i>	Soetaert & Vincx	1988	4	Microlaimidae	Desmodorida	+		
<i>Spirocerca</i>	Railliet & Henry	1917	10	Spirocercidae	Spirurida			+
<i>Spirodesma</i>	Cavalcanti, Silva & Fonseca-Genevois	2009	1	Desmodoridae	Desmodorida	+		
<i>Spiironoura</i>	Leidy	1856	36	Kathlaniidae	Spirurida		+	+
<i>Spirophilometra</i>	Paruchin	1973	3	Philometridae	Spirurida		+	
<i>Spirosprattus</i>	Smales	2004	1	Spirocercidae	Spirurida			+
<i>Spirostrongylus</i>	Yorke & Maplestone	1926	1	Strongylidae	Rhabditida			+
<i>Spiroxys</i>	Schneider	1866	19	Gnathostomatidae	Spirurida		+	+
<i>Spirura</i>	E. Blanchard	1849	31	Spiruridae	Spirurida			+
<i>Spiruroides</i>	Cameron & Parnell	1933	1	Subuluridae	Spirurida			+
<i>Splendidofilaria</i>	Skryabin	1923	19	Onchocercidae	Spirurida			+
<i>Sporonchulus</i>	Cobb	1917	4	Mylonchulidae	Mononchida			+
<i>Sprattellus</i>	Durette-Desset & Cassone	1981	3	Trichostrongylidae	Rhabditida			+
<i>Sprattianema</i>	Hodda	2021	2	Onchocercidae	Spirurida			+
<i>Sprentascaris</i>	Petter & Cassone	1984	3	Ascarididae	Spirurida		+	
<i>Sprentia</i>	Clark	1978	1	Hystriognathidae	Spirurida			+
<i>Squamasnema</i>	Cordeiro, De-Vasconcelos-Melo, Furtado, Giese, Maldonado & Dos-Santos	2015	1	Trichostrongylidae	Rhabditida			+
<i>Squamofilaria</i>	Schmerling	1925	6	Aproctidae	Spirurida			+
<i>Squamostrongylus</i>	Travassos	1937	2	Trichostrongylidae	Rhabditida			+
<i>Squanema</i>	Gerlach	1963	1	Desmodoridae	Desmodorida	+		
<i>Srivastavanema</i>	Singh	1962	5	Trichostrongylidae	Rhabditida			+
<i>Stammeria</i>	Sachs	1949	1	Bunonematidae	Rhabditida			+
<i>Stammerinema</i>	Osche	1955	5	Acuariidae	Spirurida			+
<i>Starobogatovia</i>	Platonova	1984	5	Thoracostomopsidae	Enoplida	+		
<i>Stauratostoma</i>	Phillips, Pivar, Sun, Moulton & Bernard	2018	1	Thelastomatidae	Spirurida			+
<i>Stefanskostrongylus</i>	Drozd	1970	10	Metastrongylidae	Rhabditida			+
<i>Stegelleta</i>	Thorne	1938	9	Cephalobidae	Panagrolaimida			+
<i>Stegelletina</i>	Andrassy	1984	11	Cephalobidae	Panagrolaimida			+
<i>Stegonema</i>	Travassos	1954	1	Pseudonymidae	Spirurida			+
<i>Stegophorus</i>	Wehr	1934	5	Acuariidae	Spirurida	+		+
<i>Stegorhabditis</i>	Shah, Hussain, Vaid & Ahmad	2015	1	Rhabditidae	Rhabditida			+
<i>Steineria</i>	Micoletzky	1922	19	Xyalidae	Monhysterida	+		
<i>Steineridora</i>	Inglis	1969	4	Chromadoridae	Chromadorida	+		

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<i>Steinernema</i>	Travassos	1927	145	Steinernematidae	Panagrolaimida			+
<i>Steinimermis</i>	Rubtsov	1978	1	Mermithidae	Mermithida		+	
<i>Stellocaronema</i>	Gilbert	1930	4	Habronematidae	Spirurida			+
<i>Stelmioides</i>	Antonucci	1929	1	Seuratidae	Spirurida			+
<i>Stenonchulus</i>	Schneider	1940	1	Onchulidae	Tripylida		+	
<i>Stenuroides</i>	Gerichter	1951	1	Metastrongylidae	Rhabditida	+		+
<i>Stenurus</i>	Dujardin	1845	13	Metastrongylidae	Rhabditida	+		
<i>Stephanofilaria</i>	Ihle & Ihle-Landenberg	1933	12	Filariidae	Spirurida			+
<i>Stephanolaimus</i>	Ditlevsen	1914	3	Leptolaimidae	Leptolaimida	+		
<i>Stephanurus</i>	Diesing	1839	1	Strongylidae	Rhabditida			+
<i>Steratocephalus</i>	Andrassy	1984	1	Teratocephalidae	Teratocephalida			+
<i>Stilbonema</i>	Cobb	1920	3	Desmodoridae	Desmodorida	+		
<i>Stilestrongylus</i>	Freitas, Lent & Almeida	1937	26	Trichostrongylidae	Rhabditida			+
<i>Stomachorhabditis</i>	Andrassy	1970	4	Rhabditidae	Rhabditida			+
<i>Stopractinca</i>	Khan, Ahmad & Jairajpuri	1994	6	Carcharolaimidae	Dorylaimida			+
<i>Strelkovimermis</i>	Rubtsov	1969	11	Mermithidae	Mermithida		+	
<i>Streptocara</i>	Railliet, Henry & Sisoff	1912	11	Acuariidae	Spirurida			+
<i>Streptopharagus</i>	Blanc	1912	11	Spirocercidae	Spirurida			+
<i>Strianema</i>	Eberhard, Orihel & Campo-Aasen	1993	1	Onchocercidae	Spirurida			+
<i>Striatodora</i>	Timm	1961	1	Diplopeltidae	Monhysterida	+		
<i>Striatofilaria</i>	Lubimov	1927	2	Onchocercidae	Spirurida			+
<i>Strongylacantha</i>	Van-Beneden	1873	3	Trichostrongylidae	Rhabditida			+
<i>Strongyloides</i>	Grassi	1879	63	Strongyloididae	Panagrolaimida			+
<i>Strongyluris</i>	Mueller	1894	23	Heterakidae	Spirurida		+	+
<i>Strongylus</i>	Mueller	1780	14	Strongylidae	Rhabditida			+
<i>Struthiofilaria</i>	Noda & Nagata	1976	1	Filariidae	Spirurida			+
<i>Stygodesmodora</i>	Blome	1982	7	Desmodoridae	Desmodorida	+		
<i>Subanguina</i>	Paramonov	1967	1	Anguinidae	Panagrolaimida			+
<i>Subaspicularis</i>	Akhtar	1955	1	Oxyuridae	Spirurida			+
<i>Subsphaerolaimus</i>	Lorenzen	1978	11	Sphaerolaimidae	Monhysterida	+		
<i>Subulascaris</i>	Freitas & Dobbin	1957	4	Quimperiidae	Spirurida		+	+
<i>Subulura</i>	Molin	1860	64	Subuluridae	Spirurida			+
<i>Sucamphida</i>	Timm	1966	1	Ungellidae	Drilonematida			+
<i>Sudhausia</i>	Hermann, Ragsdale, Kanzaki & Sommer	2013	8	Diplogasteridae	Diplogasterida			+
<i>Suifilaria</i>	Ortlepp	1937	1	Filariidae	Spirurida			+
<i>Suifunema</i>	Chitwood	1932	3	Thelastomatidae	Spirurida			+
<i>Sulcascaris</i>	Hartwich	1957	1	Anisakidae	Spirurida	+		
<i>Sulphuretylenchus</i>	Ruehm	1956	13	Allantonematidae	Panagrolaimida			+
<i>Suncinema</i>	Durette-Desset	1974	3	Trichostrongylidae	Rhabditida			+
<i>Sutarostongylus</i>	Beveridge & Durette-Desset	1986	2	Trichostrongylidae	Rhabditida			+
<i>Suttonema</i>	Digiani & Durette-Desset	2003	2	Trichostrongylidae	Rhabditida			+
<i>Swangeria</i>	Thorne	1939	2	Belondiridae	Dorylaimida			+

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<i>Syaf Ruddinema</i>	Celina-Digiani & Durette-Desset	2014	6	Trichostrongylidae	Rhabditida			+
<i>Sychnotylenchus</i>	Ruehm	1956	6	Sychnotylenchidae	Panagrolaimida			+
<i>Syconema</i>	Poinar	2011	1	Cephalobiidae	Diplogasterida			+
<i>Symplocostoma</i>	Bastian	1865	23	Enchelidiidae	Oncholaimida	+		
<i>Symplocostomella</i>	Micoletzky & Kreis	1930	4	Enchelidiidae	Oncholaimida	+		
<i>Syncheilaxonchium</i>	Coomans & Nair	1975	12	Belondiridae	Dorylaimida			+
<i>Syncuaria</i>	Gilbert	1927	12	Acuariidae	Spirurida	+		+
<i>Syngamus</i>	Siebold	1836	13	Strongylidae	Rhabditida			+
<i>Syngnathinema</i>	Moravec, Spangenberg & Frasca	2001	1	Daniconeematidae	Spirurida		+	
<i>Synhimantus</i>	Railliet, Henry & Sisoff	1912	46	Acuariidae	Spirurida			+
<i>Synodontisia</i>	Petter, Vassiliades & Troncy	1972	3	Pharyngodonidae	Spirurida		+	
<i>Synodontium</i>	Cobb	1920	4	Axonolaimidae	Monhysterida	+		
<i>Synoecnema</i>	Magalhaes	1905	23	Ungellidae	Drilonematida			+
<i>Synonchiella</i>	Cobb	1933	18	Selachinematidae	Selachinematida	+		
<i>Synonchium</i>	Cobb	1920	8	Selachinematidae	Selachinematida	+		
<i>Synonchoides</i>	Wieser	1956	1	Leptosomatidae	Ironida	+		
<i>Synonchus</i>	Cobb	1894	10	Leptosomatidae	Ironida	+		
<i>Synonema</i>	Cobb	1920	10	Aponchiidae	Desmodorida	+		
<i>Syphabulea</i>	Gubanov	1964	9	Oxyuridae	Spirurida			+
<i>Syphacia</i>	Seurat	1916	76	Oxyuridae	Spirurida			+
<i>Syphaciella</i>	Moennig	1923	3	Heteroxynematidae	Spirurida			+
<i>Syphaciuris</i>	Skryabin & Schikhobalova in Skryabin	1951	1	Oxyuridae	Spirurida			+
<i>Sypharista</i>	Quentin	1971	9	Oxyuridae	Spirurida			+
<i>Syphatineria</i>	Chabaud & Biocca	1955	14	Oxyuridae	Spirurida			+
<i>Syringolaimus</i>	De-Man	1888	1	Rhabdolaimidae	Ironida			+
<i>Syringoplatycoma</i>	Hodda	2021	1	Leptosomatidae	Ironida	+		
<i>Syrphonema</i>	Laumond & Lyon	1971	1	Syrphonematidae	Rhabditida			+
<i>Tachygonetria</i>	Wedl	1862	28	Pharyngodonidae	Spirurida			+
<i>Tachynema</i>	Durette-Desset & Cassone	1983	2	Trichostrongylidae	Rhabditida			+
<i>Tadaridanema</i>	Falcon-Ordaz, Guzman-Cornejo, Garcia-Prieto & Gardner	2006	1	Trichostrongylidae	Rhabditida			+
<i>Takakia</i>	Yeates	1967	1	Prismatolaimidae	Tripylida			+
<i>Takamangai</i>	Yeates	1967	47	Qudsianematidae	Dorylaimida			+
<i>Takamangi</i>	Yeates	1967	1	Aporcelaimidae	Dorylaimida			+
<i>Talanema</i>	Andrassy	1991	7	Qudsianematidae	Dorylaimida			+
<i>Tanqua</i>	R. Blanchard	1904	3	Gnathostomatidae	Spirurida			+
<i>Tantunema</i>	Siddiqi	1982	7	Tylencholaimidae	Dorylaimida			+
<i>Tanzanius</i>	Siddiqi	1991	1	Tylenchidae	Panagrolaimida			+
<i>Tapia</i>	Belogurov & Fadeeva	1985	1	Leptosomatidae	Ironida	+		
<i>Tapironema</i>	Durette-Desset, Chabaud & Sutton	1997	1	Trichostrongylidae	Rhabditida		+	+

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<i>Tarantobelus</i>	Abolafia & Pena-Santiago	2018	1	Brevibuccidae	Rhabditida			+
<i>Tarsubulura</i>	Inglis	1958	1	Subuluridae	Spirurida			+
<i>Tarvaia</i>	Allgen	1934	8	Tarvaiidae	Leptolaimida	+		
<i>Tasmanema</i>	Durette-Desset & Cassone	1983	2	Trichostrongylidae	Rhabditida			+
<i>Tawila</i>	Khalil	1932	1	Onchocercidae	Spirurida			+
<i>Tejeraia</i>	Diaz-Ungria	1963	1	Spirocercidae	Spirurida			+
<i>Teladorsagia</i>	Andreeva & Satubaldin	1954	22	Trichostrongylidae	Rhabditida			+
<i>Teleormermis</i>	Johnson & Bowen	1990	2	Mermithidae	Mermithida		+	
<i>Telomerlinius</i>	Siddiqi & Sturhan	2014	4	Telotylenchidae	Panagrolaimida			+
<i>Telotylenchoides</i>	Siddiqi	1971	3	Telotylenchidae	Panagrolaimida			+
<i>Telotylenchus</i>	Siddiqi	1960	21	Telotylenchidae	Panagrolaimida			+
<i>Tendinema</i>	Siddiqi	1995	2	Aporcelaimidae	Dorylaimida			+
<i>Tenoranema</i>	Mas-Coma & Esteban	1985	5	Trichuridae	Trichocephalida			+
<i>Tenuidraconema</i>	Decraemer	1989	3	Draconematidae	Desmodorida	+		
<i>Tenunema</i>	Kapoor	1983	1	Tylenchidae	Panagrolaimida			+
<i>Tenunemellus</i>	Siddiqi	1986	7	Ecphyadophoridae	Panagrolaimida			+
<i>Tenuostrongylus</i>	Le-Roux	1933	1	Trichostrongylidae	Rhabditida			+
<i>Teporingonema</i>	Harris	1985	4	Trichostrongylidae	Rhabditida			+
<i>Teratocephalus</i>	De-Man	1876	21	Teratocephalidae	Teratocephalida			+
<i>Teratodiplogaster</i>	Kanzaki, Giblin-Davis, Davies, Ye, Center & Thomas	2009	6	Diplogasteridae	Diplogasterida			+
<i>Teratolobus</i>	Andrassy	1968	3	Cephalobidae	Panagrolaimida			+
<i>Teratorhabditis</i>	Osche	1952	5	Mesorhabditidae	Rhabditida		+	+
<i>Termirhabditis</i>	Massey	1971	1	Rhabditidae	Rhabditida			+
<i>Ternidens</i>	Railliet & Henry	1909	1	Strongylidae	Rhabditida			+
<i>Terranova</i>	Leiper & Atkinson	1914	26	Anisakidae	Spirurida	+		
<i>Terromermis</i>	Artyukovsky & Lisikova	1977	2	Mermithidae	Mermithida		+	
<i>Terschellingia</i>	De-Man	1888	41	Linhomoeidae	Monhysterida	+	+	
<i>Terschellingioides</i>	Timm	1967	6	Linhomoeidae	Monhysterida	+		
<i>Tetanonema</i>	Steiner	1937	1	Tetanonematidae	Spirurida		+	
<i>Tethystrongylus</i>	Beveridge	1983	1	Strongylidae	Rhabditida			+
<i>Tetleyus</i>	Dale	1964	5	Thelastomatidae	Spirurida			+
<i>Tetrabothriostrongylus</i>	Mawson	1960	1	Trichostrongylidae	Rhabditida			+
<i>Tetracheilonema</i>	Diesing	1861	2	Aproctidae	Spirurida			+
<i>Tetradomermis</i>	Rubtsov	1967	9	Mermithidae	Mermithida		+	
<i>Tetradonema</i>	Cobb	1919	2	Tetradonematidae	Mermithida			+
<i>Tetragomphius</i>	Baylis & Daubney	1923	2	Ancylostomatidae	Rhabditida			+
<i>Tetrameres</i>	Creplin	1846	67	Tetrameridae	Spirurida	+		+
<i>Tetramermis</i>	Steiner	1925	3	Mermithidae	Mermithida		+	
<i>Tetarhabditis</i>	Osche	1952	1	Mesorhabditidae	Rhabditida			+
<i>Tetylenchus</i>	Filipjev	1936	2	Tylenchidae	Panagrolaimida			+
<i>Texicospirura</i>	Chitwood & Cordero-De-Campillo	1966	1	Spirocercidae	Spirurida			+

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<i>Thada</i>	Thorne	1941	1	Boleodoridae	Panagrolaimida			+
<i>Thainema</i>	Ivanova, Kozodoi & Spiridonov	1987	2	Ungellidae	Drilonematida			+
<i>Thaistrongylus</i>	Ohbayashi, Kamiya & Bhaibulaya	1979	1	Metastrongylidae	Rhabditida			+
<i>Thalassironus</i>	De-Man	1889	13	Ironidae	Ironida	+		
<i>Thalassoalaimus</i>	De-Man	1893	26	Oxystominidae	Ironida	+	+	
<i>Thalassogenus</i>	Andrassy	1973	5	Thalassogeneridae	Oncholaimida	+	+	
<i>Thalassomermis</i>	Tchesunov & Hope	1997	1	Mermithidae	Mermithida	+		
<i>Thalassomonhystera</i>	Jacobs	1987	41	Monhysteridae	Monhysterida	+		
<i>Thalassonema</i>	Ward	1933	2	Marimermithidae	Marimermithida	+		
<i>Thallostonema</i>	Beveridge	1983	6	Strongylidae	Rhabditida			+
<i>Thamugadia</i>	Seurat	1917	5	Onchocercidae	Spirurida			+
<i>Thaparia</i>	Ortlepp	1933	5	Pharyngodonidae	Spirurida			+
<i>Thaumamermis</i>	Poinar	1981	2	Mermithidae	Mermithida	+		+
<i>Theileriana</i>	Moennig	1924	3	Strongylidae	Rhabditida			+
<i>Thelandros</i>	Wedl	1862	75	Pharyngodonidae	Spirurida			+
<i>Thelastoma</i>	Leidy	1849	70	Thelastomatidae	Spirurida			+
<i>Thelazia</i>	Bosc in Blainville	1819	24	Thelaziidae	Spirurida			+
<i>Thelonema</i>	Bussau	1993	4	Linhomoeidae	Monhysterida	+		
<i>Theristus</i>	Bastian	1865	117	Xyalidae	Monhysterida	+	+	
<i>Thoonchus</i>	Cobb	1920	4	Enchelidiidae	Oncholaimida	+		
<i>Thoracostoma</i>	Marion	1870	43	Leptosomatidae	Ironida	+		
<i>Thoracostomopsis</i>	Ditlevsen	1919	6	Thoracostomopsidae	Enoplida	+		
<i>Thornedia</i>	Husain & Khan	1965	3	Nordiidae	Dorylaimida			+
<i>Thorneella</i>	Andrassy	1960	2	Qudsianematidae	Dorylaimida			+
<i>Thornenema</i>	Andrassy	1959	21	Dorylaimidae	Dorylaimida			+
<i>Thorneum</i>	Siddiqi, Handoo & Chitwood	2015	1	Mononchidae	Mononchida			+
<i>Thornia</i>	Meyl	1954	11	Qudsianematidae	Dorylaimida			+
<i>Thorniosa</i>	Andrassy	1996	1	Qudsianematidae	Dorylaimida			+
<i>Thraustomermis</i>	Song & Peng	1991	1	Mermithidae	Mermithida		+	
<i>Thripinema</i>	Siddiqi	1986	5	Allantonematidae	Panagrolaimida			+
<i>Thubunaea</i>	Seurat	1914	24	Physalopteridae	Spirurida			+
<i>Thylaconema</i>	Chandler	1929	1	Thelaziidae	Spirurida			+
<i>Thylonema</i>	Beveridge	1981	5	Strongylidae	Rhabditida			+
<i>Thylostrongylus</i>	Beveridge	1982	3	Strongylidae	Rhabditida			+
<i>Tiacuatzoxyuris</i>	Jiminez, Caspeta-Mandujano & Albino-Miranda	2019	1	Oxyuridae	Spirurida			+
<i>Tigronchoides</i>	Ivanova & Dzuraeva	1971	9	Anatonchidae	Mononchida			+
<i>Tikusnema</i>	Hasegawa, Shiraishi & Rochma	1992	3	Acuariidae	Spirurida		+	+
<i>Timmia</i>	Hopper	1961	3	Chromadoridae	Chromadorida	+		
<i>Timminema</i>	Khan	1978	6	Dorylaimidae	Dorylaimida			+
<i>Timmungella</i>	Ivanova, Kozodoi & Spiridonov	1987	1	Ungellidae	Drilonematida			+

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<i>Timmus</i>	Goseco, Ferris & Ferris	1976	1	Mydonomidae	Dorylaimida			+
<i>Tipulacomis</i>	Poinar	2011	4	Rhabditidae	Rhabditida			+
<i>Titilleus</i>	Siddiqi	2014	1	Diplogasteridae	Diplogasterida			+
<i>Tobriilia</i>	Andrassy	1967	2	Tripylidae	Tripylida			+
<i>Tobriloides</i>	Loof	1973	2	Onchulidae	Tripylida		+	+
<i>Tobrilonchulus</i>	Holovachov, Winiszewska, Sturhan, Esquivel & Wu	2008		Onchulidae	Tripylida		+	
<i>Tobrilus</i>	Andrassy	1959	76	Tobrilidae	Tripylida	+	+	+
<i>Tokobaevimermis</i>	Gafurov & An	1989	1	Mermithidae	Mermithida		+	
<i>Tonaudia</i>	Travassos	1918	1	Kathlaniidae	Spirurida	+		
<i>Tonoscolecinema</i>	Timm	1967	6	Drilonematidae	Drilonematida			+
<i>Torquatoides</i>	Williams	1929	5	Habronematidae	Spirurida			+
<i>Torrestrongylus</i>	Viguera	1935	3	Trichostrongylidae	Rhabditida			+
<i>Torsiomerms</i>	Kaiser & Schwank	1985	1	Mermithidae	Mermithida		+	
<i>Torumanawa</i>	Yeates	1967	2	Qudsianematidae	Dorylaimida			+
<i>Torynurus</i>	Baylis & Daubney	1925	2	Metastrongylidae	Rhabditida	+		
<i>Touzeta</i>	Petter	1987	1	Quimperidae	Spirurida		+	
<i>Toxascaris</i>	Leiper	1907	6	Ascarididae	Spirurida			+
<i>Toxocara</i>	Stiles in Stiles & Hassall	1905	27	Ascarididae	Spirurida			+
<i>Trachactinolaimus</i>	Andrassy	1963	3	Actinolaimidae	Dorylaimida			+
<i>Trachyglossoides</i>	Garcia & Morffe	2015	1	Xustromatidae	Rhigonematida			+
<i>Trachyglossus</i>	Hunt	2002	1	Xustromatidae	Rhigonematida			+
<i>Trachypharynx</i>	Leiper	1911	4	Strongylidae	Rhabditida			+
<i>Trachypleurosum</i>	Andrassy	1959	5	Trachypleurosidae	Dorylaimida			+
<i>Traklosia</i>	Bernard & Phillips	2015	3	Thelastomatidae	Spirurida			+
<i>Travassalodapa</i>	Lopez-Neyra	1945	1	Subuluridae	Spirurida			+
<i>Travassosascaris</i>	Sprent	1978	1	Ascarididae	Spirurida			+
<i>Travassosinema</i>	Rao	1958	9	Travassosinematidae	Spirurida			+
<i>Travassosius</i>	Khalil	1922	2	Trichostrongylidae	Rhabditida			+
<i>Travassosnema</i>	Costa, Moreira & De- Oliveira	1991	1	Skrjabillanidae	Spirurida		+	
<i>Travassostrongylus</i>	Orloff	1933	11	Trichostrongylidae	Rhabditida			+
<i>Travnema</i>	Pereira	1938	2	Pharyngodonidae	Spirurida		+	
<i>Trefusia</i>	De-Man	1893	21	Trefusiidae	Trefusiida	+		
<i>Trefusialaimus</i>	Riemann	1974	1	Trefusiidae	Trefusiida	+		
<i>Tremonema</i>	Siddiqi	1994	1	Ecphyadophoridae	Panagrolaimida			+
<i>Triaulolaimus</i>	Platonova	1979	1	Leptosomatidae	Ironida	+		
<i>Tricaenonchus</i>	Andrassy	1996	1	Cobbonchidae	Mononchida			+
<i>Tricephalobus</i>	Steiner	1936	1	Panagrolaimidae	Panagrolaimida			+
<i>Triceratonema</i>	Platonova	1976	1	Leptosomatidae	Ironida	+		
<i>Tricheilia</i>	Wang & Wang	1991	1	Tricheilidae	Spirurida		+	+
<i>Tricheilonema</i>	Diesing	1861	1	Filariidae	Spirurida			+
<i>Trichenoplus</i>	Mawson	1956	1	Trefusiidae	Trefusiida	+		
<i>Trichinella</i>	Railliet	1895	11	Trichinellidae	Trichocephalida		+	+

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<i>Trichocheenia</i>	Kou	1958	3	Trichostrongylidae	Rhabditida			+
<i>Trichodorus</i>	Cobb	1913	52	Trichodoridae	Triplonchida			+
<i>Trichofreitasia</i>	Sutton & Durette-Desset	1991	1	Trichostrongylidae	Rhabditida			+
<i>Trichohelix</i>	Ortlepp	1922	2	Trichostrongylidae	Rhabditida			+
<i>Tricholeiperia</i>	Travassos	1935	6	Trichostrongylidae	Rhabditida			+
<i>Tricholinstowia</i>	Travassos	1937	12	Trichostrongylidae	Rhabditida			+
<i>Trichonema</i>	Rubtsov	1978	1	Tetradonematidae	Mermithida		+	
<i>Trichoskrjabinia</i>	Travassos	1937	3	Trichostrongylidae	Rhabditida			+
<i>Trichosomoides</i>	Railliet	1895	4	Trichosomoididae	Trichocephalida			+
<i>Trichospirura</i>	Smith & Chitwood	1967	3	Rhabdochoniidae	Spirurida			+
<i>Trichostrongyella</i>	Dikov	1961	1	Trichostrongylidae	Rhabditida			+
<i>Trichostrongylus</i>	Looss	1905	53	Trichostrongylidae	Rhabditida			+
<i>Trichotheristus</i>	Weiser	1956	2	Xyalidae	Monhysterida	+		
<i>Trichotravassosia</i>	Lent & Freitas	1938	1	Trichostrongylidae	Rhabditida			+
<i>Trichotylenchus</i>	Whitehead	1959	8	Telotylenchidae	Panagrolaimida			+
<i>Trichromadora</i>	Kreis	1929	3	Chromadoridae	Chromadorida	+		
<i>Trichromadorita</i>	Timm	1961	2	Chromadoridae	Chromadorida	+		
<i>Trichuris</i>	Roederer	1761	107	Trichuridae	Trichocephalida			+
<i>Trichuroides</i>	Ricci	1949	1	Trichosomoididae	Trichocephalida			+
<i>Tricirronema</i>	Siddiqi	1993	3	Bicirronematidae	Panagrolaimida			+
<i>Tricoma</i>	Cobb	1894	90	Meyliidae	Desmoscolecida	+		
<i>Tridentellia</i>	Gerlach & Riemann	1973	1	Chromadoridae	Chromadorida	+		
<i>Tridentocapillaria</i>	Barus & Sergeeva	1990	5	Capillariidae	Trichocephalida			+
<i>Tridentoinfundibulum</i>	Tshoiho in Popova	1958	2	Strongylidae	Rhabditida			+
<i>Tridentulus</i>	Eyuaem & Coomans	1995	6	Monhysteridae	Monhysterida		+	
<i>Triepsilonema</i>	Decraemer	1982	1	Epsilonematidae	Desmodorida	+		
<i>Trifurcata</i>	Schulz	1926	2	Trichostrongylidae	Rhabditida			+
<i>Trigonostonema</i>	Beveridge	1981	5	Strongylidae	Rhabditida			+
<i>Trileptium</i>	Cobb	1933	10	Thoracostomopsidae	Enoplida	+		
<i>Triligulla</i>	Siddiqi	1993	1	Cephalobidae	Panagrolaimida			+
<i>Trilobostrongylus</i>	Anderson	1963	1	Metastrongylidae	Rhabditida			+
<i>Triodontolaimus</i>	De-Man	1893	1	Triodontolaimidae	Tripylida	+		
<i>Triodontophorus</i>	Looss	1902	9	Strongylidae	Rhabditida			+
<i>Tripilus</i>	Chitwood	1935	5	Sphaerulariidae	Panagrolaimida			+
<i>Tripyla</i>	Bastian	1865	43	Tripylidae	Tripylida			+
<i>Tripylella</i>	Brzeski & Winiszewska-Slipinska	1993	19	Tripylidae	Tripylida			+
<i>Tripylina</i>	Brzeski	1964	8	Trischitomatidae	Tripylidida		+	+
<i>Tripylum</i>	Cobb	1920	2	Monhysteridae	Monhysterida			+
<i>Tripylodes</i>	De-Man	1886	16	Tripylididae	Tripylidida	+	+	
<i>Trischistoma</i>	Cobb	1913	23	Trischitomatidae	Tripylidida		+	+
<i>Trissonchulus</i>	Cobb	1920	10	Ironidae	Ironida	+		
<i>Trithornus</i>	Sufyan	2017	1	Cephalobidae	Panagrolaimida		+	+
<i>Triumphalisenema</i>	Kloss	1962	3	Hystriagnathidae	Spirurida			+
<i>Trochamus</i>	Boucher & De Bovee	1971	5	Chromadoridae	Chromadorida	+		

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<i>Troglostrongylus</i>	Vevers	1923	4	Metastrongylidae	Rhabditida			+
<i>Trogolaimus</i>	Cobb	1920	5	Selachinematidae	Selachinematida	+		
<i>Trophomera</i>	Rubtsov & Platonova	1974	2	Benthimermithidae	Benthimermithida	+		
<i>Trophomermis</i>	Johnson & Kleve	1993	1	Mermithidae	Mermithida		+	
<i>Trophotylenchulus</i>	Raski	1957	11	Tylenchulidae	Panagrolaimida			+
<i>Trophurus</i>	Loof	1956	16	Telotylenchidae	Panagrolaimida			+
<i>Trualaimus</i>	Siddiqi	1993	4	Chambersiellidae	Diplogasterida			+
<i>Truttaedacnitis</i>	Petter	1974	7	Cucullanidae	Spirurida		+	
<i>Truxonchus</i>	Siddiqi	1984	8	Anatonchidae	Mononchida			+
<i>Trypanoxyuris</i>	Vevers	1923	22	Oxyuridae	Spirurida			+
<i>Tsuganema</i>	Jex, Schneider, Rose & Cribb	2005	1	Thelastomatidae	Spirurida			+
<i>Tsukubanema</i>	Ahmad & Araki	2002	1	Tylencholaimidae	Dorylaimida			+
<i>Tubixaba</i>	Monteiro & Lordello	1980	37	Aporcelaimidae	Dorylaimida			+
<i>Tubolaimella</i>	Cobb in Cobb	1933	1	Leptosomatidae	Ironida	+		
<i>Tubolaimoides</i>	Gerlach	1963	2	Tubolaimoididae	Leptolaimida	+		
<i>Tuerkiana</i>	Platonova	1970	1	Leptosomatidae	Ironida	+		
<i>Tumiota</i>	Siddiqi	1986	1	Sphaeronematidae	Panagrolaimida			+
<i>Tunicamermis</i>	Couturier	1951	1	Mermithidae	Mermithida			+
<i>Tupaiostongylus</i>	Dunn	1963	2	Trichostrongylidae	Rhabditida			+
<i>Turbatrix</i>	Peters	1927	1	Panagrolaimidae	Panagrolaimida			+
<i>Turgida</i>	Schulz	1927	2	Physalopteridae	Spirurida			+
<i>Tutunema</i>	Hunt	1998	1	Hethidae	Rhigonematida			+
<i>Tylaphelenchus</i>	Ruehm	1956	7	Tylaphelenchidae	Panagrolaimida			+
<i>Tylenchocriconema</i>	Raski & Siddiqi	1975	1	Paratylenchidae	Panagrolaimida			+
<i>Tylenchodoroides</i>	Gagarin	2001	1	Tylencholaimidae	Dorylaimida			+
<i>Tylenchodorus</i>	Siddiqi	1983	1	Qudsianematidae	Dorylaimida			+
<i>Tylencholaimellus</i>	Cobb	1915	42	Leptonchidae	Dorylaimida			+
<i>Tylencholaimus</i>	De-Man	1876	58	Tylencholaimidae	Dorylaimida		+	+
<i>Tylenchorhynchus</i>	Cobb	1913	131	Telotylenchidae	Panagrolaimida			+
<i>Tylenchulus</i>	Cobb	1913	4	Tylenchulidae	Panagrolaimida			+
<i>Tylenchus</i>	Bastian	1865	63	Tylenchidae	Panagrolaimida	+	+	+
<i>Tyleptus</i>	Thorne	1939	9	Leptonchidae	Dorylaimida			+
<i>Tylocephalus</i>	Crossman	1933	11	Plectidae	Plectida		+	+
<i>Tylodorus</i>	Meagher	1964	2	Tylodoridae	Panagrolaimida			+
<i>Tylolaimophorus</i>	De-Man	1880	15	Diphtherophoridae	Triplonchida			+
<i>Tylopharynx</i>	De-Man	1876	2	Tylopharyngidae	Diplogasterida			+
<i>Typhlonema</i>	Kreis	1938	1	Cosmocercidae	Spirurida			+
<i>Typhlophoros</i>	Linstow	1906	4	Ascarididae	Spirurida		+	+
<i>Typhlopsia</i>	Barus & Coy-Otero	1978	6	Trichostrongylidae	Rhabditida			+
<i>Tziminema</i>	Giuris-Andrade, Ocegüera-Figueroa, Osorio-Sarabia, Perez-Escobar, Nieto-Lopez, Rojas-Hernandez & Garcia-Preito	2018	1	Strongylidae	Rhabditida			+
<i>Udonchus</i>	Cobb	1937	1	Rhabdolaimidae	Ironida		+	

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<i>Uliginotylenchus</i>	Siddiqi	1971	8	Telotylenchidae	Panagrolaimida			+
<i>Ultratenella</i>	Siddiqi	1994	1	Ecphyadophoridae	Panagrolaimida			+
<i>Umingmakstrongylus</i>	Hoberg, Polley, Gunn & Nishi	1995	1	Metastrongylidae	Rhabditida			+
<i>Uncinaria</i>	Froelich	1789	21	Ancylostomatidae	Rhabditida	+		+
Undescribed Capillariinae	Moravec & Barton	2018	15	Capillariidae	Trichocephalida	+		
<i>Ungella</i>	Cobb	1928	9	Ungellidae	Drilonematida			+
<i>Ungulilaimella</i>	Allgen	1958	1	Microlaimidae	Desmodorida	+		
<i>Ungulilaimus</i>	Allgen	1958	1	Comesomatidae	Monhysterida	+		
<i>Uniovaria</i>	Khera	1969	1	Mesorhabditidae	Rhabditida			+
<i>Urbanonema</i>	Travassos & Kloss	1958	2	Hystriognathidae	Spirurida			+
<i>Urodelema</i>	Baker	1981	3	Kathlaniidae	Spirurida		+	
<i>Urucuia</i>	Kloss	1961	1	Carnoyidae	Rhigonematida			+
<i>Usarpnema</i>	Timm	1978	1	Meyliidae	Desmoscolecida	+		
<i>Utahnema</i>	Thorne	1939	3	Tylencholaimidae	Dorylaimida			+
<i>Utriculimermis</i>	Kaiser & Deixelberger	2001	1	Mermithidae	Mermithida		+	
<i>Valvaelaimoides</i>	Gagarin	2017	4	Linhomoeidae	Monhysterida	+		
<i>Valvaelaimus</i>	Lorenzen	1977	2	Xyalidae	Monhysterida	+		
<i>Vampyronema</i>	Hunt	1993	2	Acugutturidae	Panagrolaimida			+
<i>Vanderlindia</i>	Heyns	1964	3	Tylencholaimidae	Dorylaimida			+
<i>Varestrongylus</i>	Bhalerao	1932	14	Metastrongylidae	Rhabditida			+
<i>Varotylus</i>	Siddiqi	1986	11	Hoplolaimidae	Panagrolaimida			+
<i>Vasculonema</i>	Kreis	1928	2	Oncholaimidae	Oncholaimida	+		
<i>Vasorhabdochona</i>	Martin & Zam	1967	1	Rhabdochonidae	Spirurida	+	+	
<i>Vasostoma</i>	Wieser	1954	3	Comesomatidae	Monhysterida	+		
<i>Vaucherus</i>	Durette-Desset	1980	3	Trichostrongylidae	Rhabditida			+
<i>Veleshkinema</i>	Miraeiz, Heydari, Alvarez-Ortega, Pedram & Atighi	2015	1	Sphaerulariidae	Panagrolaimida			+
<i>Ventelia</i>	Travassos & Kloss	1958	1	Hystriognathidae	Spirurida			+
<i>Versternema</i>	Bain, Chabaud & Burger	1992	1	Diplotriaeidae	Spirurida			+
<i>Verutus</i>	Esser	1981	2	Rotylenchulidae	Panagrolaimida			+
<i>Vetus</i>	Taylor	1935	12	Plectidae	Plectida	+		
<i>Veversia</i>	Thapar	1925	1	Pharyngodonidae	Spirurida			+
<i>Vexillata</i>	Travassos	1937	11	Trichostrongylidae	Rhabditida			+
<i>Viannaia</i>	Travassos	1914	17	Trichostrongylidae	Rhabditida			+
<i>Viannella</i>	Travassos	1918	8	Trichostrongylidae	Rhabditida			+
<i>Vigisospirura</i>	Petrow & Potekhina	1953	2	Spirocercidae	Spirurida			+
<i>Viguerastrongylus</i>	Durette-Desset, Digiani Kilani & Geffard-Kuriyama	2017	1	Trichostrongylidae	Rhabditida			+
<i>Viguiera</i>	Seruat	1913	8	Habronematidae	Spirurida			+
<i>Viktorocara</i>	Guschanskaja	1950	9	Acuariidae	Spirurida			+
<i>Virenodiplogaster</i>	Bajaj	2016	1	Diplogasteridae	Diplogasterida			+
<i>Viscosia</i>	De-Man	1890	6	Oncholaimidae	Oncholaimida	+	+	

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Viverranisakis</i>	Soota & Chaturvedi	1971	11	Anisakidae	Spirurida			+
<i>Viverrostrongylus</i>	Asakawa, Ohbayashi & Ow-Yang	1986	1	Metastrongylidae	Rhabditida			+
<i>Vogeloides</i>	Orlov, Davtian & Lubimov in Skryabin	1933	3	Pneumospiruridae	Spirurida			+
<i>Voguracuaria</i>	Wong & Anderson	1993	1	Acuariidae	Spirurida			+
<i>Vulcanonema</i>	Travassos & Kloss	1958	2	Hystriognathidae	Spirurida			+
<i>Wachekitylenchus</i>	Slobodianiuk	1986	4	Parasitylenchidae	Panagrolaimida			+
<i>Waerebekeia</i>	Adamson & Anderson	1985	2	Carnoyidae	Rhigonematida			+
<i>Wallabinema</i>	Beveridge	1983	7	Strongylidae	Rhabditida			+
<i>Wanaristrongylus</i>	Jones	1987	3	Trichostrongylidae	Rhabditida			+
<i>Wasimellus</i>	Bloemers & Wanless	1996	1	Tylencholaimidae	Dorylaimida			+
<i>Websternema</i>	Vaucher & Durette-Desset	1986	1	Trichostrongylidae	Rhabditida			+
<i>Weisoncholaimus</i>	Inglis	1966	1	Oncholaimidae	Oncholaimida	+		
<i>Welchimermis</i>	Rubtsov	1978	1	Mermithidae	Mermithida		+	
<i>Wellcomia</i>	Sambon	1907	13	Oxyuridae	Spirurida			+
<i>Westindicus</i>	Thorne	1967	6	Actinolaimidae	Dorylaimida		+	
<i>Wetanema</i>	Dale	1967	2	Thelastomatidae	Spirurida			+
<i>Wieseria</i>	Gerlach	1956	15	Oxystominidae	Ironida	+		
<i>Willinema</i>	Baqri & Jairajpuri	1967	9	Dorylaimidae	Dorylaimida			+
<i>Willmottia</i>	Mawson	1982	1	Acuariidae	Spirurida			+
<i>Wilsonema</i>	Cobb	1913	9	Plectidae	Plectida		+	+
<i>Woodwardostrongylus</i>	Wahid	1964	6	Strongylidae	Rhabditida			+
<i>Woolleya</i>	Mawson	1973	9	Trichostrongylidae	Rhabditida			+
<i>Wuchereria</i>	Silva-Araujo	1877	5	Onchocercidae	Spirurida			+
<i>Wuia</i>	Kung	1959	1	Strongylidae	Rhabditida			+
<i>Xenella</i>	Cobb	1920	4	Xenellidae	Trefusiida	+		
<i>Xenocordon</i>	Mawson	1982	1	Acuariidae	Spirurida			+
<i>Xenocriconemella</i>	De-Grise & Loof	1965	2	Criconematidae	Panagrolaimida			+
<i>Xenocyatholaimus</i>	Gerlach	1953	1	Cyatholaimidae	Chromadorida	+		
<i>Xenolaimus</i>	Cobb	1920	2	Xyalidae	Monhysterida	+		
<i>Xenonema</i>	Cobb	1920	1	Desmodoridae	Desmodorida	+		
<i>Xericola</i>	Durette-Desset	1974	1	Trichostrongylidae	Rhabditida			+
<i>Xeroxyuris</i>	Hugot	1995	1	Oxyuridae	Spirurida			+
<i>Xiphidorus</i>	Montiero	1976	9	Longidoridae	Dorylaimida			+
<i>Xiphinema</i>	Cobb	1913	280	Xiphinematidae	Dorylaimida			+
<i>Xiphinemella</i>	Loos	1950	15	Tylencholaimidae	Dorylaimida			+
<i>Xustrostoma</i>	Adamson & Van-Waerebeke	1984	2	Xustromatidae	Rhigonematida			+
<i>Xyala</i>	Cobb	1920	13	Xyalidae	Monhysterida	+		
<i>Xylorhabditis</i>	Sudhaus	1976	2	Rhabditidae	Rhabditida			+
<i>Xyo</i>	Cobb	1898	5	Hystriognathidae	Spirurida			+
<i>Xystrongnathus</i>	Hunt, Luc & Spiridonov	2002	2	Ichthycephalidae	Rhigonematida			+
<i>Xyzzors</i>	Inglis	1963	3	Cyatholaimidae	Chromadorida	+		
<i>Yagansiella</i>	Ivanova & Vaucher	2005	1	Ungellidae	Drilonematida			+

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Genus	Authority	Year	Sp	Family	Order	M	F	T
<i>Yatesia</i>	Bain, Baker & Chabaud	1982	1	Onchocercidae	Spirurida			+
<i>Yatinema</i>	Asakawa & Ohbayashi	1986	3	Trichostrongylidae	Rhabditida			+
<i>Yeatesinia</i>	Holovachov & Bostrom	2014	1	Plectidae	Plectida			+
<i>Yubeldus</i>	Khan, Azmi & Chawla	1979	1	Mydonomidae	Dorylaimida			+
<i>Yunqueus</i>	Thorne	1964	1	Mydonomidae	Dorylaimida			+
<i>Zaglonema</i>	Durette-Desset & Beveridge	1981	2	Trichostrongylidae	Rhabditida			+
<i>Zalonema</i>	Cobb	1920	5	Desmodoridae	Desmodorida	+		
<i>Zalophidera</i>	Siddiqi	1982	3	Tylencholaimidae	Dorylaimida			+
<i>Zalophora</i>	Hunt	1994	5	Xustromatidae	Rhigonematida			+
<i>Zanenchus</i>	Siddiqi	1979	7	Tylenchidae	Panagrolaimida			+
<i>Zealandodera</i>	Wouts	1973	1	Heteroderidae	Panagrolaimida			+
<i>Zeatylenchus</i>	Zhao, Davies, Alexander & Riley	2013	1	Anguinidae	Panagrolaimida			+
<i>Zebrincola</i>	Ricci	1939	2	Strongylidae	Rhabditida			+
<i>Zeldia</i>	Thorne	1937	12	Cephalobidae	Panagrolaimida			+
<i>Zenkoxyuris</i>	Quentin	1975	1	Oxyuridae	Spirurida			+
<i>Zetalaimus</i>	Siddiqi	1983	3	Leptonchidae	Dorylaimida			+
<i>Zoniolaimus</i>	Cobb	1898	54	Strongylidae	Rhabditida			+
<i>Zonothrix</i>	Todd	1942	11	Pseudonymidae	Spirurida			+
<i>Zygocaulus</i>	Hasegawa	2019	1	Trichostrongylidae	Rhabditida		+	+
<i>Zygonemella</i>	Cobb	1920	1	Xyalidae	Monhysterida	+		
<i>Zygotylenchus</i>	Siddiqi	1963	6	Pratylenchidae	Panagrolaimida			+
<i>Zygradus</i>	Siddiqi	1991	2	Hoplolaimidae	Panagrolaimida			+
<i>Zyxispinifer</i>	Hunt	2000	1	Carnoyidae	Rhigonematida			+
Total genera						8 1 0	5 3 9	2 0 6 9
Total species						9 8 5 5	8 1 3 7	1 9 5 0 9