

Iberian nemerteans

A checklist of the valid Iberian nemerteans species

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Phylum NEMERTEA

- 1) Class PALEONEMERTEA Hubrecht, 1879
1) Genus *Carinina* Hubrecht, 1885
1) *Carinina ochracea* Sundberg, Chernyshov, Kajihara, Kånneby & Strand, 2009
2) Genus *Cephalothrix* Örsted, 1843
2) *Cephalothrix* sp. B (*C. amphiliantica* Fernández-Álvarez, Alfaya & Machordom, in litt.)
3) *Cephalothrix bipunctata* Bürger 1892
4) *Cephalothrix filiformis* Johnston, 1828
5) *Cephalothrix* sp. A (*C. ladai* Fernández-Álvarez, Alfaya & Machordom, in litt.)
6) *Cephalothrix linearis* (Rathke, 1799)
7) *Cephalothrix ostryumnicus* (Junoy & Gibson 1991)
8) *Cephalothrix quadrivalvis* (Johnston, 1837)
9) *Cephalothrix simula* Ivlev, 1952
10) *Tubulanus annulatus* (Montagu, 1804)
11) *Tubulanus banyulensis* (Joubin, 1890)
12) *Tubulanus nothus* (Bürger 1892)
13) *Tubulanus polymorphus* Renier, 1804
14) *Tubulanus superbus* (Kölliker, 1845)
- 2) Class PILIDIOPHORA Thollesson and Norenburg, 2003
4) Genus *Baseodiscus* Diesing, 1850
15) *Baseodiscus delineatus* (Delle Chiaje, 1825)
5) Genus *Cerebratulus* Renier, 1804
16) *Cerebratulus fuscus* (McIntosh, 1873 1874)
17) *Cerebratulus lacteus* (Leydig, 1851)
18) *Cerebratulus marginatus* Renier, 1804
19) *Cerebratulus tenuis* (Delle Chiaje, 1841)
6) Genus *Euborlasia* Vallant, 1890
20) *Euborlasia elizabethae* (McIntosh 1874)
7) Genus *Leucocophalomenetes* Cantell, 1996
21) *Leucocophalomenetes surantica* (Grube, 1855)
8) Genus *Lineus* Sowerby, 1806
22) *Lineus acutifrons* Southern, 1913
23) *Lineus bilineatus* (Renier, 1804)
24) *Lineus elongatus* (Renier, 1879)
25) *Lineus hubrechti* (Langerhans, 1880)
26) *Lineus longissimus* (Gunnerus, 1770)
27) *Lineus mictostilus* (Langerhans, 1880)
28) *Lineus ruber* (Müller, 1774)
29) *Lineus viridis* (Müller, 1774)
9) Genus *Micruro* Ehrenberg, 1871
30) *Micruro dellichiaeji* (Hubrecht, 1879)
10) *Micruro elongatus* (Renier, 1828)
32) *Micruro purpurea* (Dalyell, 1853)
10) Genus *Notospermus* Huschke, 1829
33) *Notospermus geniculatus* (Delle Chiaje, 1828)
11) Genus *Ramphogordius* Rathke, 1843
34) *Ramphogordius lacteus* Rathke, 1843
35) *Ramphogordius sanguineus* (Rathke, 1843)
12) Genus *Riseriellus* Rogers, Junoy, Gibson & Thorpe, 1993
36) *Riseriellus occultus* Rogers, Junoy, Gibson & Thorpe, 1993
13) Genus *Valenciana* Quatrefages, 1846
37) *Valenciana longirostris* Quatrefages, 1846
- 2) Class HOPLONEMERTEA Hubrecht, 1879
1) Subclass MONOSTILIFERA Brinkmann, 1917
14) Genus *Amphiporus* Ehrenberg, 1831
38) *Amphiporus alveatus* Bürger, 1895
39) *Amphiporus osculatus* McIntosh, 1874
40) *Amphiporus laticulus* (Johnston, 1828)
15) Genus *Argonemertes* Moore & Gibson, 1981
41) *Argonemertes dendyi* (Dakin, 1915)
16) Genus *Carcinonemertes* Cox, 1902
42) *Carcinonemertes carcinophila* (Kölliker, 1845)
17) Genus *Emplectonema* Stimpson, 1857
43) *Emplectonema echinodora* (Marion, 1873)
44) *Emplectonema gracile* (McIntosh, 1873)
45) *Emplectonema neesi* (Orsted, 1843)
18) Genus *Lentonemertes* Girard, 1893
46) *Leptonemertes chalcophora* (Graff, 1879)
19) Genus *Nemertopsis* Bürger, 1895
47) *Nemertopsis bivittata* (Delle Chiaje, 1841)
48) *Nemertopsis flavida* (McIntosh 1873-74)
20) Genus *Oerstediella* Quatrefages, 1846
49) *Ostoma gracile* (Abildgaard, 1806)
21) Genus *Otostyphlonemertes* Diesing, 1863
50) *Otostyphlonemertes macintoshii* Bürger, 1895
22) Genus *Prosorochnus* Kesterstein, 1862
51) *Prosorochnus chafarinensis* Frutos, Montalvo & Junoy, 1998
52) *Prosorochnus clapareddii* Kesterstein, 1862
23) Genus *Prostoma* Duigé, 1828
53) *Prostoma griseum* (Monod, 1894)
54) *Prostoma gracile* (Böhmlig, 1892)
24) Genus *Psammaphiporus* Gibson, 1989
55) *Psammaphiporus elongatus* (Stephenson, 1911)
25) Genus *Tetranemertes* Chernyshev, 1992
56) *Tetranemertes antonina* (Quatrefages, 1846)
26) Genus *Tetranemertes* Ehrenberg, 1828
57) *Tetranemertes candidum* (Müller, 1774)
58) *Tetranemertes cinnabarinum* (Graff, 1846)
59) *Tetranemertes quadrivalvis* (Büntgen, 1851)
60) *Tetranemertes foetens* Gibson & Junoy, 1991
61) *Tetranemertes herouardi* (Oxner, 1908)
62) *Tetranemertes longissimum* Bürger, 1895
63) *Tetranemertes melanoccephalum* (Johnston, 1837)
64) *Tetranemertes robertiana* McIntosh, 1874
65) *Tetranemertes unicolor* (Hubrecht, 1879)
66) *Tetranemertes virginalis* (Quatrefages, 1846)
67) *Tetranemertes viridis* (Graff, 1874)
27) Genus *Vieitezia* Junoy, Andreo & Girbet, 2011
68) *Vieitezia lizumuribae* Junoy, Andreo & Girbet, 2011
28) Genus *Zygonemertes* Montgomery, 1897
69) *Zygonemertes virescens* (Verrill, 1879)
- 2) Subclass POLYSTILIFERA Brinkmann, 1917
1) Order REPTANTIA Brinkmann, 1917
29) Genus *Drepanogigas* Gibson, 1986
30) Genus *Drepanogigas* Bürger, 1895
31) Genus *Paradrapanophorus* Stiasny-Wijnhoff, 1926
71) *Paradrapanophorus crassus* (Quatrefages, 1846)
31) Genus *Punnertia* Stiasny-Wijnhoff, 1926
72) *Punnertia splendida* (Kesterstein, 1862)
- 2) Order PELAGICA Brinkmann, 1917
32) Genus *Dinonemertes* Laidlow, 1906
73) *Dinonemertes grimaldi* (Joubin, 1906)
33) *Dinonemertes lutea* (Bürger, 1879)
74) *Pelagonemertes joubini* Coe, 1926
34) Genus *Pendonegemertes* Brinkmann, 1917
75) *Pendonegemertes levinseni* Brinkmann, 1917

Introduction

We provide the taxonomic list of nemerteans from Spanish and Portuguese waters, including Madeira, Azores, Balearic and Canary Islands. We list 75 species (15 Paleonemertea, 23 Pilidiophora, and 37 Hoplonemertea) belonging to 34 genera. This is a low species number compared with the approximately four hundred species listed in Europe. This lack of knowledge is mainly due to the low number of researchers interested in the Phylum and the well-known taxonomic difficulties of its study.

Recent records



The graph shows the increase in the number of known species of nemerteans in Spain and Portugal over the time. The first nemertean collected in Iberian waters was *Euborlasia elizabethae* (McIntosh, 1874), and curiously is also the last record, because the second specimen of this species has been collected last fall (2013). Thus, the time elapsed between the two records of *Euborlasia elizabethae* is more than **140 years**.

The map shows the distribution of the places where the Iberian species of nemerteans have been found. Data from Madeira are mainly due to Langerhans (1880), those of Açores to Strand (2002) and Spanish ones to Anadón and Junoy (and coauthors). Other unpublished records of both Mediterranean and the Atlantic coast have been included as well as records of terrestrial and freshwater nemerteans.

