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# ZOOTAXA

3842

## **Polychaete species (Annelida) described from the Philippine and China Seas**

*To the memory of Dr. Gottfried Pillai*

*Friend, scientist, artist*

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## Abstract

The South China and Philippine Seas are among the most diverse regions in the Western Pacific. Although there are several local polychaete checklists available, there is none comprising the whole of this region. Presented herein is a comprehensive list of the original names of all polychaete species described from the region. The list contains 1037 species, 345 genera and 60 families; the type locality, type depository, and information regarding synonymy are presented for each species.

**Key words:** Museum collections, revisions, taxonomy, tropical waters, Western Pacific

## Introduction

The geographic coverage for this checklist is the China Sea, including the East China, and the South China Seas (Ng & Tan 2000; Morton & Blackmore 2001), and the Philippine Sea (Fig. 1). These water bodies comprise a homogeneous biogeographic unit based upon temperature, salinity and productivity (Belanger *et al.* 2012). The western region comprises the China Sea (including the East China Sea and the South China Sea, including the Gulf of Thailand, southern Java, Celebes, Molucca and Banda Seas), whereas the eastern region, the Philippine Sea, is delimited by the Taiwan, Ryukyu (Nansei) and Southern Japan islands, the Bonin, Northern Mariana Islands, Palau (Randall 1995), and the Bismarck Sea. The area covered includes Santini & Winterbottom (2002) areas 9–11, or Spalding *et al.* (2007) ecoregions 9, 25, 26, 28 and 30. This large region has some coincident phylogeographic breaks (Carpenter *et al.* 2011) in the Coral Triangle region, although the northwestern boundaries are more difficult to define (Briggs & Bowen 2012). We prepared this checklist because we have begun to study some polychaete families from the Philippine region (Williams & Gosliner 2014), and in anticipation of the many undescribed species that are being or will be discovered soon (Al-Hakim & Glasby 2004, Glasby *et al.* 2013, Wei *et al.* 2013).

Olga Hartman, Marian Pettibone and Pierre Fauvel made relevant contributions to our knowledge of the polychaete fauna from many regions of the world. However, because they had the idea that polychaete species were widespread, or even cosmopolitan (Fauvel 1925) they frequently preferred to use older names and these names were often based upon Scandinavian or Mediterranean Sea specimens. Hartman (1955) had a contrarian opinion thinking that endemism was relatively high in California, but changed her mind by preparing a review of the species described by Treadwell (Hartman 1956), and especially in her catalogue of the polychaete species of the world (Hartman 1959, 1965). In the latter, for example, she listed 1366 generic and 10812 specific names but she regarded as valid only 720 genera and 5341 species, which is about 50% of all then known names.

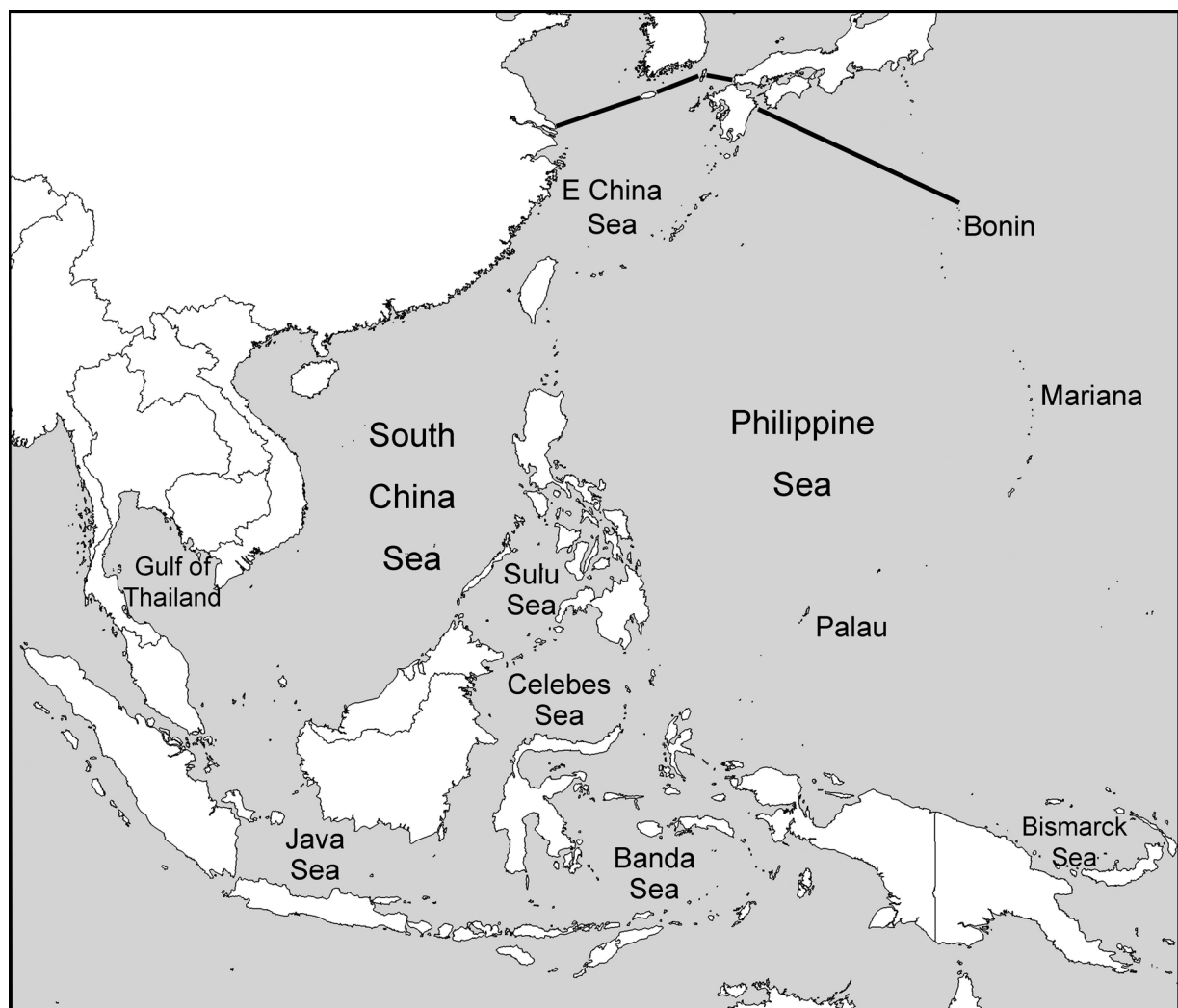
Hartman's contributions are very important, especially her literature and catalogue monographs. Fauvel and Pettibone also made many relevant contributions and this is why their ideas became very influential. Their publications gave the impression that taxonomic problems were fully resolved, and contributed to later workers neglecting to look for original descriptions, which are often difficult to find (Fauchald 1989).

There are some checklists available for the Western Pacific polychaete fauna but none has concentrated on the species described from the region. The most important contributions for this biogeographic region were Grube (1878), the series based upon the Siboga Expedition made by Horst (1912, 1917), Mesnil & Fauvel (1939), Caullery (1944) and Pettibone (1970a), two papers from the Naga Reports by Fauchald (1967), and Gallardo (1968), and another one by Pillai (1965).

The first compilation was by Day & Hutchings (1979). They provided detailed information about the records and synonymies, together with the museum repositories for type material but their geographic coverage was

Australia and New Zealand. Hanley (1982) listed the scaleworms from Hong Kong, and Tan & Chou (1993) listed 64 species for Singapore. In a series of three monographs, Imajima (1996, 2001, 2007) compiled the information available for the Japanese polychaetes, but his synthesis is in Japanese and this might limit their wider usage. Paxton & Chou (2000) compiled a list of 661 polychaete species from the South China Sea; they also indicated the corresponding records per country and their references. Palpal-latoc (2001) compiled the recorded species for the Philippines listing 433 species in 43 families; it is noteworthy that 100 of the species he listed have extra-tropical distribution areas, and some were regarded as cosmopolitan. Bailey-Brock (2003) listed 104 species for Guam and 51 for Saipan, and Kumar (2003) made a checklist of species living in mangroves in several Asian countries. The most recent contribution was by Idris & Arshad (2013); although concentrated on Malaysia, they listed 64 species, and redescribed two economically relevant ones: *Halla okudai* Imajima, 1967, and *Diopatra clapedii* Grube, 1878.

In this compilation we present a list of species described from the Philippine and China Seas, two regions harboring the largest diversity of most marine vertebrate and invertebrate groups (Kohn 1983, Briggs 1999, Sanciangco *et al.* 2013). We have avoided the inclusion of species names based upon ecological papers, or those names proposed for European or other cold temperate regions. We expect some forthcoming contributions to help clarify the status of some apparently widely distributed species, and that some regional names will be redefined and reinstated.



**FIGURE 1.** The Western Pacific Ocean: the China and Philippine seas with some localities defining the region covered (modif. Shorthouse 2010; [www.simplemappr.net](http://www.simplemappr.net)).

## Methods

Polychaete families and species names are presented alphabetically. Unless otherwise stated, family and generic authorities follow Fauchald (1977) and generic allocations follow Hartman (1959) with some corrections based upon WoRMS (Read 2014). However, some of Hartman's synonymies were not followed due to disparities among corresponding type localities of involved species. For example, if a regional name was regarded as a junior synonym for a Mediterranean, Antillean or temperate region species it cannot be sustained. Likewise, if two tropical species have been regarded as synonyms but some morphological differences were noticed, a short comment was introduced to encourage further studies on them. We avoided repeating synonyms involving species from temperate or cold-temperate regions, trying to encourage the evaluation and use of regional names. However, their formal reinstatement will depend upon comparative or revisionary studies. If original names have been modified following later revisions, any change has been indicated including the source for it. Some recent changes in family or generic affinities were the result of molecular analyses or taxonomic revisions, and have been followed; however, this does not mean they are immutable, or that no disagreement is possible in the near future. These conclusions about synonymy might change after revisionary studies.

Information available about type deposition was also included based upon publications (Potin 1977, Wiktor 1980, Harada 1991, Bleeker & van der Spoel 1992, Hartwich 1993, Wallin 1996, Solís-Weiss *et al.* 2004, Nishi & Tanaka 2011) or after information provided by collection managers. No distinction was made about the kind of type specimens (holotype, paratype, syntypes); their relative relevance may differ but some might not be available for taxonomic revisions. Nevertheless, type material must be studied for any taxonomic revisions. Further, for nine species described by von Marenzeller, there were no clear indications for type localities but only to collectors such as Dr. A. von Roretz, and because his materials were collected in three localities, these species have "Yokohama, Shikoku or Kyushu" as their undefined type locality. Despite the fact that certain museum collections add some letters indicating invertebrate zoology, worms, vermes, polychaetes or other groupings, we are using only the basic acronym because anyone looking for their materials would ask for the corresponding person in charge of polychaetes. Further, the rich collections originally deposited in the Zoological Museum of the University of Amsterdam, were transferred to the Naturalis Museum, Leiden, and although they might remain under the same number, their code has been modified to indicate their current deposition.

This is a bibliographic compilation which only includes the species names originally proposed for regional specimens, the type locality as originally indicated, and an indication for type material deposition. We expect this compilation to encourage future studies about the taxonomy of regional polychaetes. Some general recommendations were published elsewhere (Fauchald 1989). We would like to add that regional workers should try to prepare illustrated identification keys for regional species to facilitate and promote benthic ecological studies based upon better taxonomy. These types of publications can be lengthy but may be made available via websites such as is done in Singapore.

## Museum acronyms

|       |  |
|-------|--|
| AM    | Australian Museum, Sydney, Australia.  |
| AMNH  | American Museum of Natural History, New York, U.S.A.   |
| ASIZ  | Academia Sinica, Taipei, Taiwan.   |
| BPBM  | Bernice Pauahi Bishop Museum, Honolulu, Hawaii, U.S.A.   |
| CAS   | California Academy of Sciences, San Francisco, U.S.A.  |
| CBM   | Natural History Museum and Institute, Chiba, Japan.  |
| CMNH  | Coastal Branch of Natural History Museum and Institute, Chiba, Katsuura, Japan.                    |
| FIOQ  | First Institute of Oceanography, Qingdao, China.   |
| IMBV  | Institute of Marine Biology, Vladivostok, Russia.  |
| IOCAS | Institute of Oceanology, Chinese Academy of Science, Qingdao, China.                               |
| IONT  | Institute of Oceanography, Nha Trang, Vietnam.   |
| IRFA  | Institut de Recherche Fondamentale et Appliquée, Université Catholique de l'Ouest, Angers, France. |
| IRSN  | Institut Royal des Sciences Naturelles, Brussels, Belgium.   |

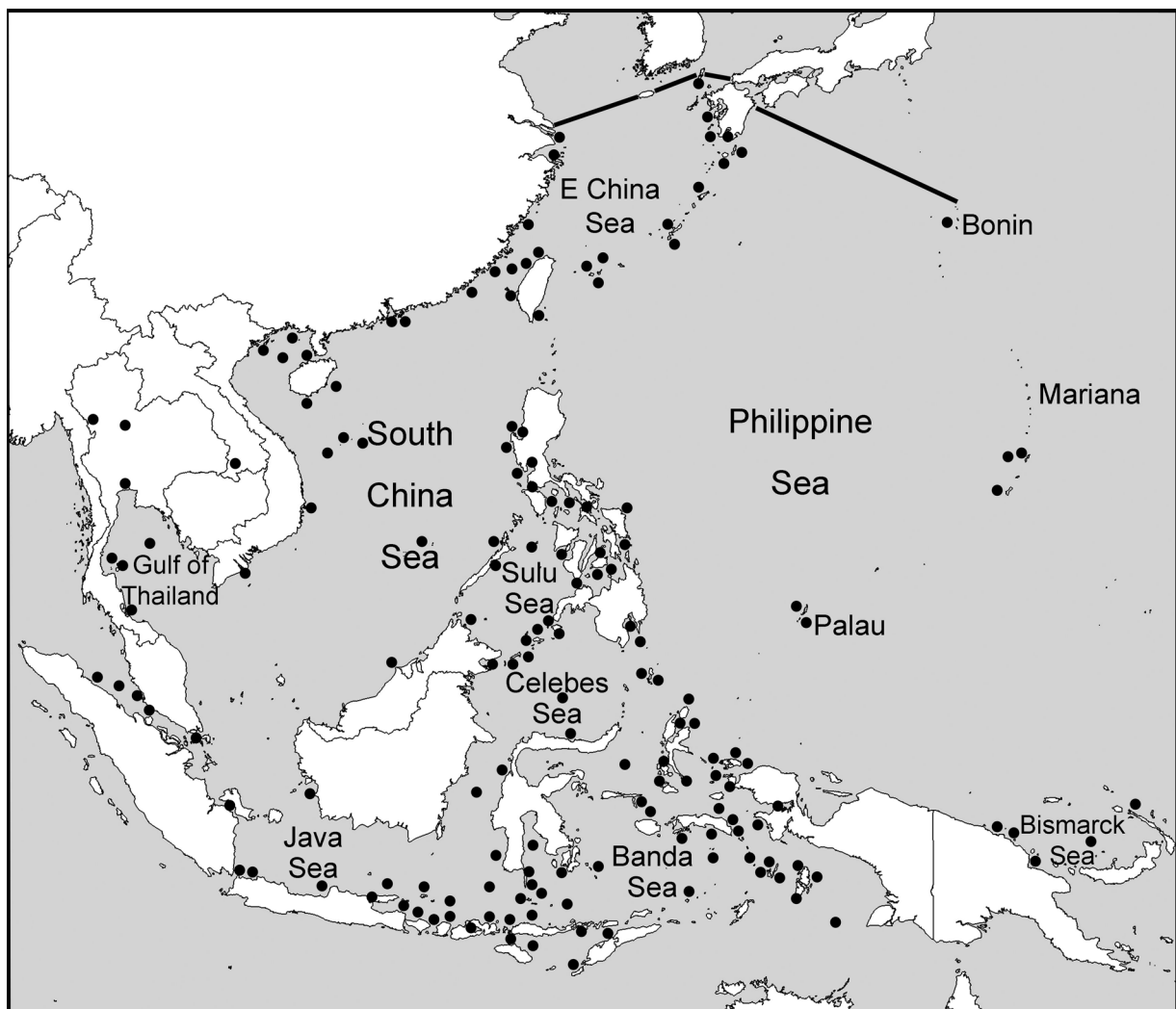
|         |  |
|---------|--|
| JAMSTEC | Japan Marine Science and Technology Center, Yokosuka, Japan.   |
| LACM    | Allan Hancock Foundation Polychaete Collection, Museum of Natural History of Los Angeles County, Los Angeles, U.S.A. |
| MBM     | Marine Biological Museum, Chinese Academy of Sciences, Qingdao, China.   |
| MCZ     | Museum of Comparative Zoology, Harvard University, Cambridge, U.S.A.   |
| MNCN    | Museo Nacional de Ciencias Naturales, Madrid, Spain.   |
| MNHN    | Muséum National d'Histoire Naturelle, Paris, France.   |
| MPW     | Museum of Natural History, Wrocław, Poland.  |
| MZUC    | Departamento de Zoología, Universidad de Concepción, Chile.  |
| NHM     | The Natural History Museum, London, U.K.   |
| NHMW    | Naturhistorisches Museum, Wien, Austria.   |
| NMA     | National Museum of the Philippine Islands, Manila, Philippines.  |
| NML     | Naturalis Museum, Leiden, The Netherlands.   |
| NMNS    | National Museum of Natural Science, Taichung, Taiwan   |
| NMW     | National Museum of Wales, Cardiff, Wales, U.K.   |
| NSMT    | National Science Museum, Tokyo, Japan.   |
| NTM     | Museum and Art Gallery of the Northern Territory, Darwin, Australia.   |
| NTU     | National Taiwan University, Taipei, Taiwan   |
| OMNH    | Osaka Museum of Natural History, Osaka, Japan.   |
| PMBC    | Phuket Marine Biological Center, Thailand.   |
| PMJ     | Phyletisches Museum Jena, Friedrich-Schiller-Universität, Jena, Germany.   |
| RMBR    | Raffles Museum of Biological Research, Singapore.  |
| RNHL    | Rijksmuseum Natuurlijke Historie, Leiden, Netherlands.   |
| RTS     | Department of Zoology, Univeristy of Peradeniya, Sri Lanka.  |
| SAM     | South Australian Museum, Adelaide, Australia.  |
| SIO     | Scripps Institution of Oceanography, Benthic Invertebrate Collection, San Diego, U.S.A                               |
| SMBL    | Seto Marine Biological Laboratory, Kyoto University, Sirahama, Japan.  |
| SMF     | Senckenberg Museum, Frankfurt, Germany.  |
| SMNH    | Swedish Museum of Natural History, Stockholm, Sweden.  |
| SSBT    | South China Sea Institute of Oceanology, Academia Sinica, Guangzhou, China.  |
| TIOSOA  | Third Institute of Oceanography, State Oceanic Administration, Xiamen, China.  |
| UANL    | Colección Poliquetológica de la Universidad Autónoma de Nuevo León, México.  |
| UMKL    | University of Malaya, Kuala Lumpur, Malaysia.  |
| UMUT    | University Museum, University of Tokyo, Japan.   |
| USNM    | National Museum of Natural History, Smithsonian Institution, Washington D.C., U.S.A.                                 |
| UUZM    | Uppsala University, Zoological Museum, Uppsala, Sweden   |
| WAM     | Western Australian Museum, Perth, Australia.   |
| ZIHU    | Zoological Institute, Faculty of Science, Hokkaido University, Sapporo, Japan.                                       |
| ZISP    | Zoological Institute, Russian Academy of Sciences, Saint Petersburg, Russia.   |
| ZMB     | Zoologischen Museums, Berlin, Germany.   |
| ZMBu    | Zoologischen Museum, Buitenzorg (old name for Bogor), Indonesia.   |
| ZMH     | Zoologischen Museum und Institut, Universitat Hamburg, Germany.  |
| ZMMSU   | Zoological Museum of Moscow State University, Russia.  |
| ZMUB    | Zoological Museum, University of Bergen, Norway.   |
| ZMUC    | Zoological Museum, University of Copenhagen, Denmark.  |
| ZNUS    | Zoological Reference Collection, Department of Zoology, National University of Singapore, Singapore.                 |
| ZSI     | Zoological Survey of India, Type Collection, Kolkata, India.   |

## Results

The China and Philippine Seas faunal region includes type localities for 1031 species, in 343 genera and 60 families. The families can be grouped in order of species richness as follows:

- 1–5 species: Aberrantidae, Acrocirridae, Alciopidae, Alvinellidae, Chrysopetalidae, Cossuridae, Eulepethidae, Goniadidae, Heterospionidae, Magelonidae, Nerillidae, Oeonidae, Orbiniidae, Oweniidae, Paralacydoniidae, Polygordiidae, Sphaerodoridae, Telothelepodidae, and Trichobranchidae.
- 6–15 species: Acoetidae, Capitellidae, Cirratulidae, Dorvilleidae, Euphrosinidae, Fabriciidae, Flabelligeridae, Glyceridae, Nautiliniellidae, Nephtyidae, Pectinariidae, Phyllodocidae, Pilargidae, Poecilochaetidae, Polynoidae, Siboglinidae, and Sternaspidae.
- 16–35 species: Ampharetidae, Amphinomidae, Aphroditidae, Hesionidae, Lumbrineridae, Onuphidae, Opheliidae, Sabelliidae, Sabellidae, Spionidae, Thelepodidae.
- 36–65 species: Eunicidae (50), Myzostomidae (50), Serpulidae (61), Sigalionidae (38), Syllidae (60), and Terebellidae (49).
- > 66 species: Nereididae (124), and Polynoidae (90).

Nearly 300 different type localities are included in this list (Fig. 2). Some type localities were very close to each other, many too adjacent to receive unique indication in the map, representing the distribution of type localities. Note that relatively few records occur in the central and eastern Philippine Sea.



**FIGURE 2.** The Western Pacific Ocean: the China and Philippine Seas. Dots indicate type localities; most localities correspond to more than one species each (modif. Shorthouse 2010; [www.simplemappr.net](http://www.simplemappr.net)).



## List of species described from the China and Philippine Seas

### Aberrantidae Wolf, 1987

*Aberranta* Hartman, 1965

*sulcata* Mackie, Pleijel & Rouse, 2005: Hong Kong. NMW 1989.117.46, 1989.117.47–50

### Acoetidae Malmgren, 1867

*Eupanthalis* McIntosh, 1876

*evanida* Treadwell, 1926: Bohol, Philippines. USNM 19208 (= *Panthalis evanida* Pettibone 1989a)

*Eupolyodontes* Buchanan, 1894 (key Fiege & Barnich 1998)

*amboinensis* Malaquin & Dehorne, 1907: Ambon, Indonesia. NML 287, 1269 (redescr. Pettibone 1989a)

*sumatranus* Pflugfelder, 1932: Belawan, Sumatra. ZMH (= *Eupolyodontes amboinensis fide* Pettibone 1989a)

*Neopanthalis* Strelzov, 1968

*pelamida* Strelzov, 1968: Tonking Gulf, Vietnam. ZISP 2/12974

*Panthalis* Kinberg, 1855

*adumbrata* Hoagland, 1920: Tinakta, Philippines. USNM 18944 (= *Polyodontes atromarginatus fide* Pettibone 1989a)

*helleri* Holly, 1934: Mindoro, Philippines. NMW 117 (= *Panthalis adumbrata fide* Hartman 1938b)

*melanonotus* Grube, 1876: Lapinig, Philippines. ZMB 3253 (= *Acoetes melanonota* (Grube, 1876) *fide* Pettibone 1989a)

*nigromaculata* Grube, 1878: Pandanon, Philippines. ZMB 3254 (= *Eupanthalis nigromaculata fide* Horst 1917; = *Zachsiella nigromaculata fide* Pettibone 1989a)

*Polyodontes* Renieri in de Blainville, 1818 (cf Pleijel, 1991 for authorship)

*atromarginatus* Horst, 1917: Bay of Labuan Tring, Lombok (8°44.5'S, 116°2.5'E); Bima; Makassar; Between Loslos and Broken Islands, W Salawatti; Banda; Sapeh Bay, E Sumbawa. NML 1169.1–4, 2606, 2607, 2610 (redescr. Pettibone 1989a)

*gracilis* Pflugfelder, 1932: Belawan, Sumatra, Indonesia. ZMH (= *Acoetes melanonota* (Grube, 1876) *fide* Pettibone 1989a)

*jolli* Pettibone, 1989: North of Du Roma (05°32'S, 132°41'E), Indonesia. WAM 62-89, 63-86

*sibogae* Horst, 1917: Atjatuning, W New Guinea; N Aru Islands. NML 1170, 2606 (= *Panthalis melanonotus fide* Hartman 1959; distinct *fide* Pettibone 1989a)

*tidemani* Pflugfelder, 1932: Dodinga Bay, Kampong Sidagnoli (Halmahera), Moluccas, Indonesia. ZMH (redescr. Pettibone 1989a)

*Zachsiella* Buzhinskaja, 1982

*striata* Buzhinskaja, 1982: Gulf of Tonkin, Vietnam. ZISP 1/44304 (= *Zachsiella nigromaculata* (Grube, 1878) *fide* Pettibone 1989a)

### Acrocirridae Banse, 1963

*Swima* Osborn, Haddock, Pleijel, Madin & Rouse, 2009

*tawitawiensis* Osborn, Haddock & Rouse, 2011: off Tawi-Tawi, Celebes Sea. NMA 437

*Teuthidodrilus* Osborn, Madin & Rouse, 2010

*samae* Osborn, Madin & Rouse, 2010: Celebes Sea. NMA 4342, SIO 2250–2253, MCZ 99582–99583

### Alciopidae Ehlers, 1864

*Krohnia* de Quatrefages, 1865

*angelini* Kinberg, 1866: South China Sea. SMNH 555 (= *Rhynchonerella angelini fide* Hartman 1959)

## **Alvinellidae Desbryuyères & Laubier, 1980**

*Paralvinella* Desbryuyères & Laubier, 1982

*bactericola* Desbryuyères & Laubier, 1989: Mariana Back-Arc Basin Hydrothermal vents. MNHN 842.

*hessleri* Desbryuyères & Laubier, 1989: Mariana Back-Arc Basin Hydrothermal vents. USNM 119431, MNHN 1157

## **Ampharetidae Malmgren, 1867**

*Amage* Malmgren, 1866

*auricula sibogae* Caullery, 1944a: Lombok, Bali Sea. NML 1585

*Ampharete* Malmgren, 1866

*ampullata* Imajima, Reuscher & Fiege, 2012: Tamioka Bay, Amakusa, Japan. NSMT 545, 546, SMF 21641

*Amphicteis* Grube, 1850

*gunneri malayensis* Caullery, 1944a: Sulu and Java Seas. NML 1582, 1583.1–2, 1584 (= *Amphicteis malayensis* fide Holthe 2000)

*philippinarum* Grube, 1878: Lapinig, Philippines. ZMB 6030

*procera malayanensis* Caullery, 1944a: Makassar Strait, Indonesia. NML 1748–1756

*quadridentata* Caullery, 1944a: Makassar Strait, Indonesia. NML 1565

*sibogae* Caullery, 1944a: Banda Sea. NML 1486, 1490, 1503, 1525, 1542

*theeli* Caullery, 1944a: Banda Sea. NML 1534

*weberi* Caullery, 1944a: Damar Island, Indonesia. NML 1481.1–2, 1559

*Anobothrus* Levinsen, 1884

*dayi* Imajima, Reuscher & Fiege, 2013: Yakiuchi Bay, Amami-Oshima Island, Japan. NSMT 551, 552, 566, 567, SMF 21690

*Eusamytha* McIntosh, 1885

*dubia* Gallardo, 1968: Nha Trang, Vietnam. LACM 327

*Isolda* Müller, 1858

*sibogae* Caullery, 1944a: Saleyer (Selayer), Indonesia. NML 1552, 1483

*Lysippides* Hesse, 1917

*caeca* Holthe, 2000: Bali, Indonesia. ZMUC 915

*Melinna* Malmgren, 1867

*dubita* Hoagland, 1920: Mindanao, Philippines. USNM 18957 (= *Melinnopsis dubita* fide Hartman 1959)

*fauchaldi* Gallardo, 1968: Nha Trang, Vietnam. LACM 318

*malmgreni* Caullery, 1944: Banda Sea. NML 1485

*Paramage* Caullery, 1944a

*madurensis* Caullery, 1944a: Molo Strait. NML 1588

*Phyllocomus* Grube, 1877

*balinensis* Holthe, 2000: Bali Sea. ZMUC 917, 918

*Sabellides* Milne-Edwards, 1838

*angustifolia* Grube, 1878: Tatiou (= Talibon), Philippines. ZMB (= *Amphicteis angustifolia* fide von Marenzeller 1885; = *Paramphicteis angustifolia* fide Caullery 1944a)

*Samytha* Malmgren, 1866

*hesslei* Caullery, 1944a: Java. NML 1581

*heterobranchia* Caullery, 1944a: NW Kepulauan Aru, Indonesia. NML 1576, 1745

*Sosane* Malmgren, 1866

*fauxeli* Caullery, 1944a: Banda Sea. NML 1502

*procera malayensis* Caullery, 1944a: Makassar Strait, Indonesia. NML

*wireni* Caullery, 1944a: Madura Strait, Java. NML 1562

*Tanseumarwana* Imajima, Reuscher & Fiege, 2013

*boninensis* Imajima, Reuscher & Fiege, 2013: Chichijima, Bonin Islands, Japan. NSMT 561

## Amphinomidae Savigny in Lamarck, 1818

### *Amphinome* Bruguière, 1789

*(Linopherus) brevis* Grube, 1878: Pandanon, Philippines. MPW 261 (= *Amphinome brevis* fide Hartman 1959)

*luzoniae* Kinberg, 1857: Luzon, Philippines. SMNH 6756 (perhaps *Amphinome rostrata* fide Hartman 1949)

*nigrobranchiata* Horst, 1912: Pulu Pasi Tanette; Saleh bay, Sumbawa. NML 41.1–2

*pulchra* Horst, 1912: Banda Sea. NML 40

*sericata* Fischli, 1903: Ternate, Indonesia. ZMH (= *Pherecardia lobata* Horst, 1866 fide Horst 1911)

### *Bathychloeia* Horst, 1910

*sibogae* Horst, 1910: Siboga Sta. 211, Gulf of Boni, Indonesia. NML 124

### *Benthoscolex* Horst, 1912

*coecus* Horst, 1912: Flores Sea. NML 125.3, 125.1–2

### *Chloeia* Savigny in Lamarck, 1818

*amphora* Horst, 1910: Strait of Malacca, Banda Islands, Indonesia. NML 149.1, 149.2–4

*conspicua* Horst, 1910: Sumatra, S coast of Java. NML

*fusca* McIntosh, 1885: off Banda, Moluccas. NHM AN01 1885.12.1.9-9A

*incerta* de Quatrefages, 1866: Celebes Islands; Indian Ocean (China Sea in catalogue). MNHN 246–252 (= *Chloeia flava* fide Hartman 1959)

*nuda* de Quatrefages, 1866: Amboine, Indonesia. MNHN 81

*violacea* Horst, 1910: Waroe Bay, Indonesia. NML 161.3, 161.1–2, 161.4, 2056

### *Eucarunculata* Malquin & Dehorne, 1907 (= *Pherecardia* fide Horst 1909)

*grubei* Malaquin & Dehorne, 1907: Amboine (Ambon), Indonesia. MNHN (= *Pherecardia lobata* Horst, 1886 fide Horst 1909, 1911)

### *Eurythoe* Kinberg, 1857

*dubia* Horst, 1912: Dobo, Aru Islands. NML 293, 2611, 2162

*parvecarunculata* Horst, 1912: Saleh Bay, Sumbawa. NML 309 (= *Cryptonome parvecarunculata* fide Borda et al. 2012)

### *Hermodice* Kinberg, 1857

*distincta* Hoagland, 1920: Mindanao, Philippines. USNM 18953 (perhaps *Pherecardia striata* (Kinberg, 1857) fide Hartman 1959)

### *Lenora* Grube, 1878 (= *Amphinome* Bruguière, 1789)

*philippinensis* Grube, 1878: Aibuhit, Palau. MPW 295 (= *Amphinome philippinensis* fide Hartman 1959; for correction of locality, see [www.marinespecies.org/aphia.php?p=taxdetails&id=339350](http://www.marinespecies.org/aphia.php?p=taxdetails&id=339350))

### *Notopygos* Grube, 1855

*cirratus* Horst, 1911: N Ubian Islands, Malaysia. NML 1005

*hispidata* Hoagland, 1920: Lanang Point, Gulf of Davao, Philippines. USNM 18954

*labiatus* McIntosh, 1885: Basilian Strait, Philippines. NHM AN01 1885.12.1.14, AN01 1921.5.1.4582

*mitsukurii* Izuka, 1910: Naha, Okinawa. UMUT, type probably lost

*sibogae* Horst, 1911: N Salomakiee Island; Atjatunging; Nusa Island. NML 1010.5, 1010.1–4

*supragigas* Uschakov & Wu, 1962: Xisha Islands, South China Sea. IOCAS [no number, shelving position IA3]

### *Parachloeia* Horst, 1912

*marmorata* Horst, 1912: Puly Sarassa, Postillon Islands; Borneo Bank, Lumu Lumu. NML 1036

### *Pherecardia* Horst, 1886

*lobata* Horst, 1886: Banda, Timor and other localities. NML 1070.1–3

*parva* Monroe, 1924: Macclesfield Bank, Paracel Islands, South China Sea. NHM AN02 1925.1.28.144

### *Pherecardites* Horst, 1912

*parva* Horst, 1912: Celebes Sea; Batjan, Ceram Sea. NML 1072.1, 1072.2–3

### *Pseudeurythoe* Fauvel, 1932

*oligobranchia* Wu, Shen & Chen, 1975: Yong-xing, Xisha Islands, China. IOCAS A28, A29

### *Sangiria* Horst, 1911

*hystrix* Horst, 1911: Malay Archipelago. NML 1284.1–2

## **Aphroditidae Malmgren, 1867**

### *Aphrodita* Linnaeus, 1758

- daiyumaruuae* Imajima, 2005: Kada, Amami-Oshima. NSMT 462
- flava* Pallas, 1788: Ambon, Indonesia. ZISP (Amphinomidae, *Chloeia flava*)
- japonica* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NMW
- sondaica* Grube, 1875: N Borneo, Malaysia. ZMB 1041

### *Aphroditella* Roule, 1906 (= *Aphrodita fide* Pettibone 1966a, Barnich & Fiege 2000; distinct *fide* Orensanz 1972)

- decipiens* Horst, 1916: Molo Strait. NML 69 (= *Aphrodita decipiens fide* Hutchings & McRae 1993)
- floresiana* Horst, 1916: Molo Strait. NML 70.2–3 (= *Aphrodita floresiana fide* Hutchings & McRae 1993)
- limosa* Horst, 1916: N Ceram Island. NML 71 (= *Aphrodita limosa fide* Hutchings & McRae 1993)
- malayana* Horst, 1916: E Kofiau Island. NML 72.1–2 (= *Aphrodita malayana fide* Hutchings & McRae 1993)
- mongolica* Horst, 1916: N off Sulu Island. NML 73 (= *Aphrodita decipiens fide* Hutchings & McRae 1993)
- sibogae* Horst, 1916: Between Loslos and Broken Islands, W Salawatti. NML 74 (= *Aphrodita sibogae fide* Hutchings & McRae 1993)

### *Aphrogenia* Kinberg, 1855

- nigropunctata* Horst, 1916: Paternoster Island, Indonesia. NML 78, 2758
- villosa* Horst, 1916: Aru Island. NML 77
- villosa laevis* Horst, 1916: Timor. NML 76

### *Halogenia* Horst, 1916 (= *Laetmonice*)

- arenifera* Horst, 1916: E Sapeh Strait. NML 343 (= *Laetmonice arenifera fide* Hutchings & McRae 1993)
- conchifera* Horst, 1916: W Great Kei Island. NML 344 (= *Laetmonice conchifera fide* Hutchings & McRae 1993)

### *Hermione* de Blainville, 1828 (preoccupied, *Hermonia* Hartman, 1959 repl. name; = *Laetmonice* Kinberg, 1855)

- malleata* Grube, 1875: Pandanon, Philippines. MPW 292
- moluccana* Horst, 1916: E Kajoa Island. NML 419.1, 419.2 (= *Laetmonice moluccana fide* Hutchings & McRae 1993)
- parva* Horst, 1916: N Tana Djampeah. NML 420 (= *Laetmonice parva fide* Hutchings & McRae 1993)

### *Laetmonice* Kinberg, 1855

- batheia* Horst, 1916: ESE Binongka Island. NML 482
- brevipinnata* Horst, 1916: Sapeh Bay, E coast of Sumbawa, Indonesia. NML 483
- brevihastata* Ehlers, 1918: Penambulari, Aru Island. SMF1995
- dubiosa* Horst, 1916: Rotti Island. NML 484
- malayana* Horst, 1916: N Misool. NML 486.4, 486.1–3
- nitida* Treadwell, 1926: Jolo, Philippines. USNM 19206
- rugosa* Horst, 1916: N Rotti Island. NML 488.1, 488.2
- violascens* Grube, 1875: Chinese Sea, probably Shangai. ZMB 1044 (lost)
- viridiscens* Horst, 1917: Between Makian and Halmaheira. NML 489.1, 489.2

### *Pontogenessa* Monro, 1924 (= *Pontogenia fide* Pettibone 1966a)

- obscura* Monro, 1924: Macclesfield Bank, Paracel Islands, South China Sea. NHM AN02 1925.1.28.100-105, ZSI 3381/1

### *Pontogenia* Claparède, 1868

- indica* Grube, 1875: Bohol, Philippines; Singapore. MPW 361, ZMB 1048, 2103
- lichaucoi* Pillai, 1965: Hundred Islands, Philippines. RTS 13
- mcintoshi* Monro, 1924: Macclesfield Bank, Paracel Islands, South China Sea. NHM AN02 1925.1.28.94-99  
(*pro Palmyra aurifera sensu* McIntosh, 1885)
- nuda* Horst, 1917: Buton Strait. NML 1189
- spinosa* Horst, 1917: N Waigeu Island. NML 1190
- villosa* Horst, 1917: Beo, Karakelong Islands. NML 1191

### **Capitellidae Grube, 1862**

*Capitellethus* Chamberlin, 1919

*branchiferus* Gallardo, 1968: Nha Trang, Vietnam. LACM 319

*Dasybranchus* Grube, 1850

*lumbricoides* Grube, 1878: Bohol, Philippines. MPW 267

*umbrinus* Grube, 1878: Bohol, Philippines. MPW 268, ZMB 10655

*Mastobranchnus* Eisig, 1887

*loii* Gallardo, 1968: Nha Trang, Vietnam. LACM 317

*Notomastus* Sars, 1850

*polyodon* Gallardo, 1968: Nha Trang, Vietnam. LACM 301

*Promastobranchnus* Gallardo, 1968

*huloti* Gallardo, 1968: Nha Trang, Vietnam. LACM 299

*Scyphoproctus* Gravier, 1904

*gravieri* Okuda, 1940: Kakinohara, Ryukyu Islands. ZIHU

### **Chaetopteridae Malmgren, 1867**

*Chaetopterus* Cuvier, 1827

*crosslandi* Caullery, 1944a: Bay of Bima, Indonesia. NML 1512

*Mesochaetopterus* Potts, 1914

*formosana* Nishi & Hsieh, 2009: SW Taiwan. ASIZ 715, NHM 2008.3467, USNM 1116466

*Phyllochaetopterus* Grube, 1863

*awasensis* Nishi & Hsieh, 2009: Okinawa. CMNH 1799, NHM 2008.3466, USNM 1116467

*sibogae* Caullery, 1944a: Kabia Island, Sulawesi. NML 1480

*Ranzania* Claparède, 1870 (preoccup. *Ranzanides* Chamberlin, 1919 repl. name)

*malayensis* Caullery, 1944a: Gisser, Saleyer (Selayar), Indonesia. NML 1477, 1573 (= *Ranzanides capensis* (McIntosh, 1885) from Cape of Good Hope *vide* Hartman 1959)

*Sasekumaria* Rullier, 1976 (= *Mesochaetopterus fide* Nishi 1999)

*selangolus* Rullier, 1976: Morib, Selangor State, Malaysia. MNHN 1342, UMKL (= *Mesochaetopterus selangolus fide* Nishi 1999)

*Spiochaetopterus* Sars, 1853

*iheyaensis* Nishi, 2008: Iheya Ridge, Nansei Seamount, off Okinawa, Japan. CMNH 1699, CBM 1007, NHM 2007.979, USNM 1109995

*okinawaensis* Nishi & Bhaud, 2000: Bise Beach, Okinawa, Japan. CBM 302, 303

*sesokoensis* Nishi & Bhaud, 2000: Sesoko Island, Motobu, Okinawa, Japan. CBM 70, 700

### **Chrysopetalidae Ehlers, 1864**

*Bhawania* Schmarda, 1861

*amboinensis* Horst, 1917: Ambon, Indonesia. NML 127

*brevis* Gallardo, 1968: Nha Trang, Vietnam. LACM 287, 1868–1872 (= *Paleaequor brevis fide* Watson Russell 1986)

### **Cirratulidae Ryckholdt, 1851**

*Aphelochaeta* Blake, 1991

*saipanensis* Magalhães & Bailey-Brock, 2013: Saipan, Mariana Islands. USNM 1195150, 1195151, 1195152, BPBM R3642, 3643

*Caulleriella* Chamberlin, 1919

*glabra* Gallardo, 1968: Nha Trang, Vietnam. LACM 308

*Chaetozone* Malmgren, 1867

*flagellifera* Gallardo, 1968: Nha Trang, Vietnam. LACM 313

*maotienae* Gallardo, 1968: Nha Trang, Vietnam. LACM 309

*Cirratulus* Lamarck, 1801

*annamensis* Gallardo, 1968: Nha Trang, Vietnam. LACM 310

*branchiatus* Treadwell, 1936: Amoy (= Xiamen), China. USNM 20119 (= *Cirriiformia chefooensis* (Grube, 1877) *fide* Hartman 1956)

*comosus* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NMW (= *Cirriiformia comosa* *fide* Petersen 1999)

*zebuensis* McIntosh, 1885: off Zebu (Cebu), Philippines. NHM AN01 1885.12.1.275

*Cirriiformia* Hartman, 1936

*chrysoodermoides* Pillai, 1965: Manat, Dagupan City, Luzon, Philippines. RTS 23, NHM AN03 1965.33.4-8

### **Cossuridae Day, 1963**

*Heterocossura* Wu & Chen, 1977 (= *Cossurella* Hartman, 1976 *fide* Ewing 1987; = *Cossura* *fide* Read 2000)

*aciculata* Wu & Chen, 1977: China (unspecified locality). IOCAS 30 (= *Cossurella aciculata* *fide* Ewing 1987)

### **Dorvilleidae Chamberlin, 1919**

*Ophryotrocha* Claparède & Mecznikow, 1869

*japonica* Paxton & Åkesson, 2010: near Amakusa Marine Biological Laboratory, Japan. AM W36869, W36870–36871, SMNH 8029

*kagoshimaensis* Miura, 1997: Kagoshima Bay, Japan. NSMT 358, USNM 172810, LACM 1848–1850

*wubaolingi* Miura, 1997: Kagoshima Bay, Japan. NSMT 357, USNM 172809, LACM 1843–1847

*Staurocephalus* Grube, 1855 (= *Dorvillea* Parfitt, 1866)

*brevipinnis* Grube, 1878: Singapore. MPW 388 (= *Dorvillea brevipinnis* *fide* Hartman 1959)

*filicornis* Grube, 1878: Singapore. ZMB (= *Dorvillea filicornis* *fide* Hartman 1959)

### **Eulepethidae Chamberlin, 1919**

*Eulepis* Grube, 1875 (preoccupied; *Eulepethus* Chamberlin, 1919 repl. name)

*hamifera* Grube, 1878: Pandanon, Philippines. ZMB (= *Eulepethus hamifer* *fide* Pettibone 1969a, 1986b)

*malayana* Horst, 1913: Buton Strait, Great Kei Island, Malaysia. NML 219, USNM 39166 (= *Pareulepis malayana* *fide* Pettibone 1969a, 1986b)

### **Eunicidae Savigny in Lamarck, 1818 (includes Euniphysidae Shen & Wu, 1991 *fide* Carrera-Parra & Salazar-Vallejo 1998, Lu & Fauchald 2000)**

*Eunice* Cuvier, 1817 (keys and redescription of species: Fauchald, 1992b)

*annulicirrata* Miura, 1986: Amakusa, Kyushu, Japan. NSMT 222, USNM

*badia* Grube, 1878: Philippines. ZMB lost

*borneensis* Grube, 1878b: Borneo. ZMB 2033

*carrerai* Wu, Sun, Liu & Xu, 2013: Hainan Islands, Yezhu Island, Xizhou Island, China. IOCAS 191171, 191172–191176, 191111–191114

*coccinea* Grube, 1878: Singapore and Bohol, Philippines. MPW 275, ZMB 866, 4002

*complanata* Grube, 1877: Timor. ZMB 880 (redescr. Fauchald 1986)

*dilatata* Grube, 1877: Timor. ZMB 896 (redescr. Fauchald 1986)

(*Eriphyle*) *borneensis* Grube, 1878: North Borneo. ZMB 2033 (= *Eunice borneensis* *fide* Fauchald 1992b)

*flavofasciata* Grube, 1878: Philippines. MPW 276 (indeterminable *fide* Fauchald 1992b)

*flavopicta* Izuka, 1912: Ushikuba, Kumamoto; Misaki. UMUT, type probably lost

*hainanensis* Wu, Sun, Liu & Xu, 2013: Hainan Islands, South China Sea. IOCAS 119816, 119817

*hirschi* Fauchald, 1992: Tinakta Island, Philippines. USNM 18955, 19024

*impexa* Grube, 1878: Cape of Lapinig, Philippines. MPW 278, ZMB 4001

- indica* Kinberg, 1865: Bangka Strait, Indonesia. SMNH 435
- jagori* Grube, 1878: Manila, Philippines. MPW 279, ZMB 2003
- jihueiensis* Hsueh & Li, 2014: Jihuei, Taiwan. NMNS 6993
- margariticaeca* Fischli, 1903: Ternate, Indonesia. ZMH
- martensi* Grube, 1878: Zamboanga, Philippines. ZMB 923
- megalodus* Grube, 1878: Pandanon, Philippines. MPW 280 (= *Euniphysa megalodus* *fide* Lu & Fauchald, 2000)
- microprion* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NMW
- mindanavensis* McIntosh, 1885: Mindanao, Philippines. NHM AN 01 1885.12.1.51a
- palauensis* Okuda, 1937: Guarakabaru, Palau Islands. ZIHU
- paupera* Grube, 1878: Philippines. MPW 282
- philippinensis* Hartmann-Schöder, 1998: S off Mindoro, Philippines. MNHN, ZMH P-22039
- reticulata* Hsueh & Li, 2014: Jihuei, Taiwan. NMNS 6695, 2572-111, 2572-118
- savignyi* Grube, 1878: Bohol, Philippines. MPW 283
- shihmenensis* Hsueh & Li, 2014: Shihmen, New Taipei. NMNS 6696-2, 6696-3
- spinea* Miura 1977: Kagoshima Bay, Japan. NSMT 138, 139 (= *Euniphysa spinea* *fide* Miura 1986)
- stragulum* Grube, 1878: Tatihou (= Talibon), Philippines. MPW 284 (= *Marphysa stragulum* *fide* Hartman 1959)
- taoi* Hsueh & Li, 2014: Jihuei, Taiwan. NMNS 6896-5, 6896-6, 6896-7
- tentaculata* Kinberg, 1865: (02°30' S, 107°30' E). SMNH 434
- uschakovi* Wu, Sun & Liu, 2013: Hainan Island, South China Sea. IOCAS 119813, 119814–119815
- Euniphysa* Wesenberg-Lund, 1949
- filibranchia* Lu & Fauchald, 2000: Nansha Island, South China Sea. SSBT 17
- oculata* Wu, Sun & Chen, 1979: near Xisha Islands, South China Sea. IOCAS Holotype w/o number, shelving position IC3 (= *Euniphysa spinea* (Miura, 1977) *fide* Lu & Fauchald 2000)
- unicusa* Shen & Wu, 1990: Bibu Bay, South China Sea. SSBT 34 (= *E. aculeata* Wesenberg-Lund, 1949 from the Gulf of Iran *fide* Lu & Fauchald 2000)
- Heterophysa* Shen & Wu, 1991 (= *Euniphysa* Wesenberg-Lund, 1949 *fide* Carrera-Parra & Salazar-Vallejo 1998, Lu & Fauchald 2000)
- tridontesa* Shen & Wu, 1991: Xieyang Island, Beibu Bay, South China Sea. SSBT 31, 32 (= *Euniphysa tridontesa* *fide* Lu & Fauchald 2000)
- Leodice* Savigny in Lamarck, 1818 (reinstated *fide* Zanol *et al.* 2014)
- accrescens* Hoagland, 1920: Jolo, Philippines. USNM 18956 (= *Palola accrescens* *fide* Fauchald 1992a) USNM 18956
- articulata* Hoagland, 1920: Leyte Island, Philippines. USNM 18955 (junior homonym, = *Eunice hirschi* Fauchald, 1992, repl. name)
- levibranchia* Hoagland, 1920: Palawan, Philippines. USNM 19018 (= *Eunice levibranchia* *fide* Fauchald 1992b)
- Lysidice* Savigny in Lamarck, 1818
- boholensis* Grube, 1878: Bohol, Philippines. MPW 298
- kukenthali* Fischli, 1903: Ternate, Indonesia. ZMH
- lunae* Kinberg, 1865: Singapore. SMNH (= *L. collaris* Grube, 1869 from the Red Sea *fide* Hartman 1949)
- oele* Horst, 1902: Ambon, Indonesia. NML (redescr. Martens *et al.* 1995)
- Marphysa* de Quatrefages, 1865 (key: Glasby & Hutchings 2010)
- digitibranchia* Hoagland, 1920: Hong Kong. USNM 18958
- orientalis* Treadwell, 1936: Amoy (Xiamen), China. USNM 20114
- sinensis* Monro, 1934: Amoy (Xiamen), China. NHM AN02 1933.3.2.16-17
- soembaensis* Augener, 1933: Sindikiri, Sumba, Indonesia. ZMBu
- Nicidion* Kinberg, 1865
- megabalanicola* Hsueh & Li, 2014: Dawen, Taiwan. NMNS 6694-1, 6694-2
- Pareuniphysa* Wu & He, 1988 (= *Euniphysa* Wesenberg-Lund, 1949 *fide* Carrera-Parra & Salazar-Vallejo 1998, Lu & Fauchald 2000)
- falciseta* Shen & Wu, 1991: Nansha Island, South China Sea. SSBT 15, 16 (= *Euniphysa falciseta* *fide* Lu & Fauchald 2000)
- taiwanensis* Wu & He, 1988: Taiwan Strait. TIOSOA not confirmed (= *Euniphysa taiwanensis* *fide* Lu & Fauchald 2000)

## **Euphrosinidae Williams, 1851**

*Euphrosine* Savigny in Lamarck, 1818

- affinis* Horst, 1903: Paternoster Islands, Indonesia. NML 271.1–2
- globosa* Horst, 1912: E of Pajunga Island, Kwandang bay; Saleh bay, N coast of Sumbawa. NML 274
- hystrix* Horst, 1903: Sailoes-ketjil, Indonesia. NML 275
- longesetosa* Horst, 1903: Flores Sea (08°30.0' S, 119°7.5' E); Paternoster Islands. NML 277 (lost)
- mucosa* Horst, 1903: Sulu (Joló) Archipelago. NML 280
- obiensis* Horst, 1903: Laiwui, Obi major (= Pulau Sambiki Obi), Indonesia. NML 281
- pelagica* Horst, 1903: Paternoster Islands, Indonesia. NML 283.3, 283.1–2
- pilosa* Horst, 1903: Paternoster Islands, Indonesia. NML 282.1, 282.2
- sibogae* Horst, 1903: Paternoster Islands, Indonesia. NML 2219, 285, 2218
- superba* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NMW
- tripartita* Hoagland, 1920: Philippines. USNM 18954

## **Fabriciidae Rioja, 1923 (n. status fide Kupriyanova & Rouse 2008, Capa et al. 2011; composition after Fitzhugh 1989)**

*Brandtika* Jones, 1974

- asiatica* Jones, 1974: Laos, Mekong River. USNM 50914, 50915

*Caobangia* Giard, 1893 (freshwater)

- abbotti* Jones, 1974: Sabah, Malaysia. USNM 50669, 50644, 50654–60, NHM PO01 1973.122, MNHN 1299, NML 2601
- billeti* Giard, 1893: Cao Bang, Vietnam. No type deposited.
- brandti* Jones, 1974: Kaek River, Thailand. USNM 50663, 50614, 50630, NHM PO01 1973.121, AMNH 1300
- morrisoni* Jones, 1974: Bogor, Java. USNM 50639, 50640, NHM PO01.124, MNHN 1151
- smithi* Jones, 1974: Tak Province, Charao Village. USNM 50605, 50606

*Fabricinuda* Fitzhugh, 1990

- longilabrum* Fitzhugh, 1990: Gulf of Thailand. LACM 1975, 1976–2004

*Fabriciola* Friedrich, 1939

- rubra* Fitzhugh, 1998: Okinawa, Japan. LACM 1890, 1891

*Novafabricia* Fitzhugh, 1990

- exiguus* Fitzhugh, 1998: Madang, Papua New Guinea. USNM 178326, 178327, LACM 1893

*Pseudoaugeneriella* Fitzhugh, 1998

- unirama* Fitzhugh, 1998: Okinawa, Japan. LACM 1894, 1895

*Pseudofabriciola* Fitzhugh, 1990

- filaris* Fitzhugh, 2002: Gulf of Thailand. LACM 2007, 2008–2058
- peduncula* Fitzhugh, 1996: Madang, Papua New Guinea. USNM 169977, LACM 1716, 1717

## **Flabelligeridae de Saint-Joseph, 1894**

*Brada* Stimpson, 1854

- ferruginea* Gallardo, 1968: Nha Trang, Vietnam. LACM 312 (= *Pycnoderma ferruginea* fide Salazar-Vallejo 2011a)
- rigida* Caullery, 1944<sup>a</sup>: Irian Jaya, Indonesia. NML 1523 (= *Trophoniella rigida* fide Salazar-Vallejo 2012b)
- talehsapensis* Fauvel, 1932: Taléh-Sap lagoon, Thailand. ZSI 406/1 (= *Pycnoderma talehsapensis* fide Salazar-Vallejo 2011a)

*Diplocirrus* Haase, 1915 (key: Salazar-Vallejo & Buzhinskaja 2011)

- erythroporus* Gallardo, 1968: Nha Trang, Vietnam. LACM 306 (redescr. Salazar-Vallejo & Buzhinskaja 2011)

*Piromis* Kinberg, 1867 (key: Salazar-Vallejo 2011a)

- sunii* Salazar-Vallejo, 2011: Sanya Bay Shandong Sheng, China. SMF 15348



*Stylarioides* delle Chiaje, 1831 (key: Salazar-Vallejo 2011b)

*atentacula* Hoagland, 1920: between Cebu and Leyte, Philippines. USNM 18962 (= *Treadwellius atentacula* fide Salazar-Vallejo 2011b)

*curvisetis* Caullery, 1944a: off North Ubian, Southwestern Philippine Islands (06°07.5' N, 120°26.0' E). NML 1517, 1518 (= *Semiodera curviseta* fide Salazar-Vallejo 2012a)

*granulosus* Caullery, 1944a: off SE Sangkapura, Java Sea (06°05.5' S, 113°30.0' E). NML 1519, 1536 (redescr. Salazar-Vallejo 2011b)

*nudus* Caullery, 1944: off Makian, Maluku (00°11' S, 127°25' E). NML 1515, 1520, 1526; off Madura, Java Sea (07°15' S, 115°15' E). NML 1527 (= *Daylithos nudus* fide Salazar-Vallejo 2012a)

*parmatus* Grube, 1878: Bohol, Philippines. MPW 391 (= *Daylithos parmatus* fide Salazar-Vallejo 2012a)

*Trophoniella* Hartman, 1959 (key: Salazar-Vallejo 2012b)

*avicularia* Caullery, 1944a: Irian Jaya, between Loslos and Broken Island, Salawatti, Indonesia. NML 1598 (redescr. Salazar-Vallejo 2012b)

*intoshii* Caullery, 1944a: SW Flores, Indonesia. NML 1600

*sibogae* Caullery, 1944a: Pulau Rote, Indonesia. NML 1599

### **Glyceridae Grube, 1850**

*Glycera* Savigny in Lamarck, 1818 (key: Böggemann & Fiege 2001, Böggemann 2002)

*alba adpersa* Fauvel, 1939: Cauda Reef, Nha Trang, Vietnam. MNHN (*nomen dubium* fide Böggemann 2002)

*amboinensis* McIntosh, 1885: off Amboina (Ambon), Indonesia. NHM AN01 1885.12.1.240 (= *G. nicobarica* Grube, 1868 from Nicobar Islands fide Böggemann 2002)

*fusiformis* Fischli, 1903: Ternate, Indonesia. ZMH 1083 (= *Glycera brevicirris* Grube, 1870 from the Indian Ocean fide Böggemann 2002)

*longipinnis* Grube, 1878: Aibuhit, Palau. MPW 286

*martensi* Grube, 1870: Larantuka, Flores, Indonesia. ZMB 3114, 4323

*onomichiensis* Izuka, 1912: Gulf of Kagoshima; Onomichi. UMUT 100, 105 (redescr. Böggemann 2002)

*opisthobranchiata* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NHMW 991 (= *Glycera pacifica* Kinberg, 1855 from the Society Islands fide Böggemann 2002)

*posterobranchia* Hoagland, 1920: Marinduque, Philippines. USNM 18960 (redescr. Böggemann *et al.* 1999)

*saccibranchis* Grube, 1878: Bohol, Philippines. MPW 289 (= perhaps *Glycera subaenea* fide Hartman 1959)

*spadix* Treadwell, 1943: Gulf of Davao, Philippines. AMNH 3241

*subaenea* Grube, 1878: Camiguin, Talibon, Philippines. MPW 290, ZMB 4338 (redescr. Böggemann *et al.* 1999; *partim* = *Glycera macintoshii* Grube, 1877 from the Yellow Sea, and *G. onomichiensis* fide Böggemann 2002)

### **Goniadidae Kinberg, 1865 (key: Böggemann 2005)**

*Glycinde* Müller, 1858 (key: Böggemann, 2005)

*sibogana* Augener & Pettibone in Pettibone, 1970a: Malay Archipelago. NML 1927 (= *Bathyglycinde sibogana* fide Böggemann 2005)

*Goniada* Audouin & Milne-Edwards, 1833 (key: Böggemann 2005)

*clavata* Kirkegaard, 1995: Makassar Strait (4°56' S, 117°39' E). ZMUC 37 (= *Goniada brunnea* Treadwell, 1906 from Hawaii fide Böggemann 2005)

*paucidens* Grube, 1878: Bohol, Philippines. MPW 291 (redescr. Böggemann 2005)

*tridens* Gallardo, 1968: Nha Trang, Vietnam. LACM 288 (redescr. Böggemann 2005)

**Hesionidae Sars, 1862 (incl. Microphthalminae but they do not belong *fide* Pleijel & Dahlgren 1998)**

*Bonuania* Pillai, 1965

*parva* Pillai, 1965: Bonuan, Dagapan City, Luzon, Philippine Islands. RTS 15, NHM AN03 1965.33.1

*Hesiocaeca* Hartman, 1965

*hessleri* Blake, 1991: Mariana Back-Arc basin. USNM 132660-1

*Hesione* Savigny in Lamarck, 1818

*eugeniae* Kinberg, 1866: Bangka Strait, Indonesia. SMNH 6733 (redescr. Hartman 1949)

*intertexta* Grube, 1878: Zamboanga, Philippines. MPW 293, ZMB 3813

*Hesionides* Friedrich, 1936

*incisa* Yamanishi, 1984: Kagoshima, Japan. OMNH 623-1, 623-2–15

*Heteropodarke* Hartmann-Schröder, 1962

*pleijeli* Muona, 2006: Madang Lagoon, Papua New Guinea. SMNH 5190

*xiamenensis* Ding, Wu & Westheide, 1997: Huangchu Beach, East China Sea. SMF6092, SMF6093, SMF6094, SMF6095 (redescr. Pleijel 1999)

*Irma* Grube, 1878 (= *Podarke* Ehlers, 1864 *fide* Hartman 1959; = *Ophiodromus* Sars, 1829 *fide* Pleijel 1998)

*angustifrons* Grube, 1878: Bohol, Philippines. ZMB 3824 (= *Podarke angustifrons fide* Hartman 1959; redescr. Uchida 2004)

*latifrons* Grube, 1878: Philippines. ZMB 3823 (= *Podarke angustifrons fide* Hartman 1959)

*Leocrates* Kinberg, 1866

*auritus* Hessle, 1925: Bonin Island, Japan. UUZM 626

*chinensis* Kinberg, 1866: Hong Kong. SMNH 4411

*cupreus iridis* Grube, 1878: Bohol, Philippines and Samoa. ZMB

*diplognathus* Monro, 1926: Macclesfield Bank, Paracel Islands, South China Sea. NMH AN 02 1926.4.30.123–125

*djangkarensis* Augener & Pettibone in Pettibone, 1970a: Malay Archipelago, off Djangkar, Java (7°46'S, 114°30.5'E); Sulu Sea (6°08'N, 121°19'E). NML 534.3, 2104

*ehlersi* Horst, 1921: Saleh Bay, N Sumbawa. NML 533 (= *Leocratides filamentosus* Ehlers, 1908 *fide* Hartman 1959 and Pettibone 1970a; anterior end features differ)

*indicus* Horst, 1921: Banda Sea. NML 2481 (= *L. atlanticus* McIntosh, 1885 *fide* Pettibone 1970a; parapodial features differ)

*iris* Grube, 1878: Zamboanga, Philippines. MPW 296 (= *Leocrates chinensis fide* Hartman 1959)

*papillosus* Monro, 1926: Macclesfield Bank, Paracel Islands, South China Sea. NMH AN02 1926.4.30.130-131 (= *Leocrates giardi* Gravier, 1900 *fide* Pettibone 1970a)

*Neogyptis* Pleijel, Rouse, Sundkvist & Nygren, 2012

*hongkongensis* Pleijel, Rouse, Sundkvist & Nygren, 2012: Hong Kong, Cape d'Aquilar, Lobster Bay (22°12.4'N, 114°15.5'E). SIO 2496, 2497

*Ophiodromus* Sars, 1862 (= *Oxydromus* Grube, 1855, reinst. *fide* Villalobos-Guerrero & Harris 2012)

*longifundus* Uchida, 2004: Kuroshima, Okinawa, Japan. Hiroomi Uchida's personal collection

*okudai* Uchida, 2004: Ohmura Bay, Nagasaki, Japan. Hiroomi Uchida's personal collection

*Sinohesione* Westheide, Purschke & Mangerich, 1994

*genitaliphora* Westheide, Purschke & Mangerich, 1994: Hainan Island, China. ZMH 21948

*Syllidia* de Quatrefages, 1866

*hongkongensis* Ruta & Pleijel, 2006: Lobster Bay, Cape d'Aquilar, Hong Kong (22°12.4'N, 114°15.5'E). MNHN 1457, 1458-1472

**Heterospionidae Hartman, 1965 (see Chambers & Muir 1997:23, 25; ICZN 1999, Art. 40.1)**

*Heterospio* Ehlers, 1875

*sinica* Wu & Chen, 1966: East China Sea. IOCAS 26

### **Iphionidae Kinberg, 1856 (n. status fide Norlinder et al. 2012)**

*Iphione* Kinberg, 1855 (key: Piotrowski 2014)

*cimex* de Quatrefages, 1866: Malacca Strait, Malaysia. MNHN 1868.38a (326) (= *Iphonella cimex* fide McIntosh 1885; = Harmothoinae: *Gaudichaudius cimex* fide Pettibone 1986b, redescr. Pettibone 1986b)  
*rustis* Hoagland, 1920: Jolo, Philippines. USNM 18941 (juvenile fide Hartman 1938b; = *Iphione muricata* Savigny in Lamarck, 1818 from the Red Sea fide Hartman 1959)

*hirotai* Izuka, 1912: Eboshi Iwa, Chichijima, Peel Island. UMUT, type probably lost (= *Iphione muricata* Savigny in Lamarck, 1818 from the Red Sea fide Hartman 1959; = *Iphione ovata* Kinberg, 1856 from Hawaii fide Pettibone 1986b)

*malifera* Piotrowski, 2014: Luzon, Philippines. CAS 187234

*Iphonella* McIntosh, 1885

*elongata* Treadwell, 1926: Marinduque, off Tabayas Light, Philippines. USNM 19544 (Acoetidae; = *Eupolyodontes elongata* fide Hartman 1938b; = *Eupanthalis elongata* fide Hartman 1959)

*philippinensis* Pettibone, 1986: Mindanao, Philippines. NHM AN01 1885.12.1.43

### **Lumbrineridae Malmgren, 1867**

*Gallardoneris* Carrera-Parra, 2006a

*thailandensis* Carrera-Parra, 2006a: Thailand. LACM 2176, 2177

*Helmutneris* Carrera-Parra, 2006a

*corallicola* Carrera-Parra, 2006a Philippines MNHN 1478, 1477

*Lumbrineriopsis* Orensanz, 1973

*tsushimaensis* Imajima & Higuchi, 1975 Tsushima Strait NSMT 109, 110

*Lumbrineris* de Blainville, 1828

*acutiformis* Gallardo, 1968 Nha Trang, Vietnam LACM (= *Lumbrinerides acutiformis*)

*amboinensis* Grube, 1877 Amboina (Ambon), Indonesia ZMB 892 (redescr. Carrera-Parra 2006b)

*caudaensis* Gallardo, 1968 Nha Trang, Vietnam LACM-AHF POLY0290

*crosnieri* Carrera-Parra, 2006b Philippines MNHN TYPE1467

*debilis* Grube, 1878 Bohol, Philippines MPW 297, ZMB 3323

*indica* Kinberg, 1865 Bangka Strait, Indonesia SMNH

*malaysiae* Rullier, 1969: Kuala Lumpur, Malaysia. MNHN A526UB350 (= *Gesaneris malayensis* fide Carrera-Parra 2006a)

*maxillosa* Ehlers, 1918: NW Ngaiboor, Aru Island. SMF2250 (perhaps = *Hilbigneris maxillosa* fide Carrera-Parra 2006a)

*nagae* Gallardo, 1968: Nha Trang, Vietnam. LACM 305, 1182 (= *Sergioneris nagae* fide Carrera-Parra 2006a)

*natans* Marsdens et al., 1995: Ambon. ZMH 22062, 22063 (= *Scoletoma natans*)

*ocellata* Grube, 1878: Bohol, Philippines. ZMB 10634

*pterignatha* Gallardo, 1968: Nha Trang, Vietnam. LACM 314, MZUC 8277, 1205, 1206 (= *Loboneris pterignatha* fide Carrera-Parra 2006a)

*shiinoi* Gallardo, 1968: Nha Trang, Vietnam. LACM 292 (= *Gallardoneris shiinoi* fide Carrera-Parra 2006a)

*Ninnoe* Kinberg, 1865

*bruuni* Gallardo, 1968: Nha Trang, Vietnam. LACM 293, ZMUC 1207–1209

### **Magelonidae Cunningham & Ramage, 1888**

*Magelona* Müller, 1858

*crenuliformis* Gallardo, 1968: Nha Trang, Vietnam. LACM 307, ZMUC 1420, 1421 (redescr. Mortimer & Mackie 2009)

*lenticulata* Gallardo, 1968: Nha Trang, Vietnam. LACM 300

## **Maldanidae Malmgren, 1867**

*Asychis* Kinberg, 1867

*javanica* Augener, 1934: Bay of Batavia (Jakarta), Indonesia. ZMUH (= *Sabaco javanicus* fide Light 1991)

*Clymaldane* Mesnil in Mesnil & Fauvel, 1939 (= *Notoproctus* Arwidsson, 1907 fide Detinova 1985)

*sibogae* Mesnil & Fauvel, 1939: Flores Sea. NML 1555 (= *Notoproctus sibogae* (Mesnil & Fauvel, 1939) fide Detinova 1985)

*Clymenura* Verrill, 1900

(*Cephalata*) *longicaudata* Imajima & Shiraki, 1982: Yaeyama Islands, Japan. NSMT 153, 154

*Leiochone* ex auctore

*tropica* Mesnil & Fauvel, 1939: Taam (Kai) Islands, Indonesia. NML (= *Clymenura tropica* fide Hartman 1959; *nomen dubium* fide Read 2011)

*Maldane* Malmgren, Grube, 1860

*marsupialis* Grube, 1878: Lapinig, Philippines. MPW 300

*philippinensis* Treadwell, 1931: Darvel Bay, Si Amil Island, Borneo. USNM 19546

*Sabaco* Kinberg, 1867

*maculatus* Kinberg, 1867: Bangka Strait, Indonesia. SMNH 477

*steineri* Light, 1991: Between Ko Samui and Ang Thong Archipelago, Gulf of Thailand. CAS 15894, 15895

## **Myzostomidae Benham, 1896 (not annelids fide Eeckhaut et al. 2000, Zrzavý et al. 2001; annelids fide Bleidorn et al. 2007, 2009b)**

*Contramyzostoma* Eeckhaut & Jangoux, 1995

*bialatum* Eeckhaut & Jangoux, 1995: Singapore. ZNUS 1994-2593, 1994-2594–2596

*sphaera* Eeckhaut, Grygier & Deheyn, 1998: Hansa Bay, Papua New Guinea. ZNUS 28342-50, 28342-51

*Myzostoma* Leuckart, 1836 fide Grygier 1992

*ambiguum* von Graff, 1887: Maluku, Indonesia. NML (= *Myzostoma antennata* von Graff, 1884 fide Hartman 1959; distinct fide Eeckhaut, van den Spiegel & Grygier 1994)

*antennatum* von Graff, 1884: Amoy (Xiamen), China. Kiel Museum

*aruensis* Remscheid, 1918: Aru Island, Indonesia. SMF (= *Notopharyngoides aruensis* fide Eeckhaut, Grygier & Deheyn, 1998)

*asymmetricum* von Graff, 1884: off SE Philippines. NHM AN01 1889.11.8.22

*attenuatum* Grygier, 1989: Sulu Archipelago, Philippines. USNM 34844, 118222–118229

*belli* Wheeler, 1897: R.V. Challenger Sta. 214 (04°33' N, 127°06' E). NHM AN01 1897.1.2.41-43

*brachiatum* von Graff, 1877: Bohol, Philippines. NHMW 2909 (redescr. Eeckhaut, van den Spiegel & Grygier 1994)

*brevilobatum* Jägersten, 1937: Kagoshima, Japan. UUZM 429

*calycotile* von Graff, 1884: SE Philippines, Challenger Sta. 214 (04°33' N, 127°06' E). NHM AN01 1889.11.8.10

*capitocutis* Eeckhaut, van den Spiegel & Grygier, 1994: Singapore. ZNUS 1993-7282

*chinesicum* von Graff, 1884: Chinese Sea. Godeffroy Museum, Hamburg

*circinatum* Wheeler, 1897: near Talaud Island, Indonesia (or Challenger, Sta. 214). NHM 1897.1.2.31, 1897.1.39.40

*cirricostatium* Jägersten, 1937: Goto Islands, Japan. UUZM 428a-b

*cornutum* von Graff, 1877: Bohol, Philippines. ZMH

*cuniculus* Eeckhaut, Grygier & Deheyn, 1998: Hansa Bay, Papua New Guinea. IRSN 28342-10, 28342-11

*deformator* von Graff, 1884: SE off Philippines. NHM AN01 1889.11.8.23-25

*dodecaphalcis* Grygier, 1992: Kei Island, Amboina. USNM 126746, 126747

*dubium* von Graff, 1877: Bohol, Philippines. ZMH

*echinus* von Graff, 1884: off W Taiwan. ZMUC

*elegans* von Graff, 1877: Bohol, Philippines. ZMB (redescr. Jägersten, 1940; Eeckhaut, van den Spiegel & Grygier 1994)

*elongatum* von Graff, 1877: Bohol, Philippines. NHMW

*eremita* Wheeler, 1897: Challenger, Sta. 214, Philippines. NHM AN01 1897.1.2.36-38  
*folium* von Graff, 1884: off SW Papua. NHM  
*furcatum* von Graff, 1887: Moluccas, Indonesia. NHMW  
*inflator* von Graff, 1884: SW Papua NHM, Barbados. MCZ (probably confused, or junior homonym of *M. inflator* von Graff, 1883)  
*jagersteni* Eeckhaut, van den Spiegel & Grygier, 1994: Singapore. ZNUS 1993-7281  
*laingense* Eeckhaut, Grygier & Deheyn, 1998: Laing Island, Papua New Guinea. ZNUS 28342-20, 28342-21  
*lobatum* von Graff, 1877: Bohol, Philippines. NHMW  
*longicirrum* von Graff, 1887: off Zamboanga, Philippines. UUZM (redescr. Eeckhaut, van den Spiegel & Grygier 1994)  
*longimanum* Jägersten, 1937: Goto Islands, Japan. UUZM 164a-e  
*longitergum* Eeckhaut, Grygier & Deheyn, 1998: Hansa Bay, Papua New Guinea. ZNUS 28342-40, 28342-41  
*membranaceum* von Graff, 1887: Challenger Sta. 208, Philippines. MNH  
*mortenseni* Jägersten, 1940: Joló, Philippines. ZMUC (redescr. Eeckhaut, Grygier & Deheyn 1998)  
*nanseni* von Graff, 1887: Moluccas, Indonesia. NML  
*nigromaculatum* Eeckhaut, Grygier & Deheyn, 1998: Hansa Bay, Papua New Guinea. ZNUS 28342-30, 28342-31  
*ornatum* von Graff, 1877: Bohol, Philippines. ZMH  
*pallidum* von Graff, 1877: Bohol, Philippines. ZMH  
*pentacrini* von Graff, 1884: off SE Philippines. NHM  
*singaporense* Eeckhaut, van den Spiegel & Grygier, 1994: Singapore. ZNUS 1993-7283  
*tentaculatum* Jägersten, 1940: Nagasaki, Japan. ZMUC  
*triste* von Graff, 1877: Bohol, Philippines. NTM  
*verrucosum* von Graff, 1877: Bohol, Philippines. ZMH  
*wyvillethomsoni* von Graff, 1884: R.V. Challenger Sta. 214 (04°33' N, 127°06' E). NHM AN01 1889.11.8.12, AN01 1889.11.8.13

#### **Nautiliniellidae Miura & Laubier, 1990 (= Chrysopetalidae *fide* Aguado et al. 2013)**

*Itheyomytilidicola* Miura & Hashimoto, 1996  
*tridentatus* Miura & Hashimoto, 1996: Okinawa Trough. NSMT 353, USNM 172130, LACM-AHF 1735, JAMSTEC  
*Mytilidiphila* Miura & Hasimoto, 1993  
*enseiensis* Miura & Hasimoto, 1993: Okinawa Trough (photos: Miura 1997a). NSMT 351, JAMSTEC 16518–16553  
*okinawensis* Miura & Hasimoto, 1993: Okinawa Trough. NSMT 352, JAMSTEC 16501  
*Natsushima* Miura & Laubier, 1990  
*graciliceps* Miura & Hashimoto, 1996: Kagoshima Bay, Kyushu, Japan. NSMT 356, USNM 172131, LACM 1736, JAMSTEC  
*Shinkai* Miura & Laubier, 1990  
*longipedata* Miura & Ohta, 1991: Middle Okinawa Trough (photos: Miura 1997a). NSMT 332, JAMSTEC 16496, USNM 131513, MNHN 1171  
*semilonga* Miura & Hashimoto, 1996: Okinawa Trough, Japan. NSMT 355, USNM 172129, LACM 1733, 1734, JAMSTEC

#### **Nephtyidae Grube, 1850**

*Aglaophamus* Kinberg, 1866  
*dicirroides* Fauchald, 1967: Nha Trang, Vietnam. LACM 324  
*lyratus* Kinberg, 1866: Bangka Strait, Indonesia. SMNH 492 (redescr. Hartman 1949)

- orientalis* Fauchald, 1967: Nha Trang, Vietnam. LACM 321, 322  
*tepens* Fauchald, 1967: Nha Trang, Vietnam. LACM 323  
*toloensis* Ohwada, 1992: Hong Kong. NHM 1989.260, 1989.261, 1989.262  
*vietnamensis* Fauchald, 1967: Nha Trang, Vietnam. LACM 320  
*Inermonephtys* Fauchald, 1967  
*gallardi* Fauchald, 1967: Nha Trang, Vietnam. LACM 325  
*Micronephtys* Friedrich, 1939  
*oculifera* Mackie, 2000: Hong Kong. NMW 1986.79.156, 1986.79.154, 1986.79.155, 1989.117.38  
*Nephtys* Cuvier in Audouin & Milne-Edwards, 1833  
*dibranchis* Grube, 1877: MacClure Bay (Teluk Berau), New Guinea. ZMB 900, NML 2137.1–11, 2295.1–5  
(= *Aglaophamus dibranchis* fide Hartman 1959)  
*digitifera* Augener, 1933: off NE Java. NML (= *Aglaophamus lyratus* fide Hartman 1959)  
*mirasetus* Hoagland, 1920: Tinakta, Philippines. USNM 18950 (= perhaps *Aglaophamus dibranchis* fide Hartman 1959)  
*spiribranchis* Ehlers, 1918: Udjir, Aru Islands. SMF2219, ZMH

**Nereididae de Blainville, 1818 (for authorship and date see [www.marinespecies.org/polychaeta/aphia.php?p=taxdetails&id=22496](http://www.marinespecies.org/polychaeta/aphia.php?p=taxdetails&id=22496))**

- Ceratonereis* Kinberg, 1866  
(*Ceratonereis*) *brockorum* Hartmann-Schröder, 1985: Guam. ZMH  
*japonica* Imajima, 1972: Amami-Oshima Island, Japan. NSMT 70, 71 (redescr. Hartmann-Schröder 1985)  
*longicauda* Treadwell, 1943: Gulf of Davao, Philippines. AMNH 3240 (= *Ceratonereis anchylochaeta* (Horst, 1924) fide Hartman 1956; = *Neanthes anchylochaeta* fide Hartman 1959)  
*tripartita* Horst, 1918: Poeloe Kawassang, Paternoster Islands. NML 955.1–2, 2225, 2331  
*Chinonereis* Chamberlin, 1924 (= *Tylorrhynchus* Grube, 1868 fide Pettibone 1971a)  
*edestus* Chamberlin, 1924: Canton, China. MCZ (= *Tylorrhynchus heterochaetus* de Quatrefages, 1865 fide Pettibone 1971a)  
*Dendronereis* Peters, 1854  
*pinmaticirris* Grube, 1878: Bohol, Philippines. ZMB 3435  
*Gnatholycastis* Ehlers, 1920 (= *Perinereis*)  
*brocki* Ehlers, 1920: Ambon, Indonesia. ZMB 6741 (= *Perinereis quatrefagesi* (Grube, 1878) fide Hartman 1959)  
*Gymnorhynchus* Horst, 1918 (= *Gymnonereis* Horst, 1919, repl. name for *Gymnorhynchus* Horst, 1918; = *Ceratocephala* Malmgren, 1867 fide Hartman 1959; distinct fide Banse 1977)  
*sibogae* Horst, 1918: Off Spermonde Bank, Makassar Strait. NML 1507, 341, 1903 (= *Ceratocephala sibogae* fide Hartman 1959; = *Gymnonereis sibogae* and *Ceratocephala sibogae* fide Bleeker & van der Spoel 1992)  
*Hediste* Malmgren, 1867  
*diadroma* Sato & Nakashima, 2003: Omoigawa River, Kagoshima Prefecture, Japan. NSMT 456, 457, ZIHU 2092, 2093, CMNH 1891, MNHN 1368, 1369, OMNH 4228, SMF 12067, 12068, USNM 1008438, 1008439, ZMUC 1504, 1507  
*Leonnates* Kinberg, 1866 (key: Qiu & Qian 2000)  
*decipiens* var. *manilensis* Pillai, 1965: Binakayan, Cavite, Manila Bay, Philippines. RTS 21, NHM AN03 1965.33.11-12 (= *L. decipiens* Fauvel, 1919 from the Red Sea fide Qiu & Qian 2000)  
*indicus* Kinberg, 1866: Knoll, Singapore. SMNH 6834, NHM AN03 1965.7.1-2 (redescr. Qiu & Qian 2000)  
*nierstraszi* Horst, 1924: N Ubian. NML (6°7.5'N, 120°26'E) NML 2229, 537, 538, 2313 (redescr. Qiu & Qian 2000)  
*nipponicus* Imajima, 1972: Amami-Oshima Island, Japan. NSMT 74, 75  
*Lycastis* Audouin & Milne-Edwards, 1833 (junior homonym, *Namalycastis* Hartman, 1959 repl. name)  
*longicirris* Takahasi, 1933: Taiwan. Taihoku Imperial University (= *Namalycastis longirris* fide Hartman 1959; redescr. Wu et al. 1981, Glasby 1999)

- nipa* Pflugfelder, 1933: Songei Paloehpandan, Medan-Belawan Strait, off Deli River, Sumatra. ZMH
- ranauensis* Feuerborn, 1931: Sumatra. ZMH (= *Namalycastis hawaiiensis* Johnson, 1903 *fide* Glasby 1999, Glasby *et al.* 2003)
- terrestris* Pflugfelder, 1933: Sumatra, Belawan. PMJ 162 (= *Namalycastis terrestris fide* Glasby, 1999)
- vivax* Pflugfelder, 1933: Indonesia, Sumatra, Perbaengen. PMJ Ann. 165 (= *Namalycastis abiuma* (Grube) species group *fide* Glasby, 1999)
- Lycastopsis* Augener, 1922
- amboinensis* Pflugfelder, 1933: Indonesia, Moluccas, Amboina (3°41'S, 128°10'E). PMJ Ann220, PMJ Ann166 (= *Namanereis amboinensis fide* Glasby 1999)
- catarractarum* Feuerborn, 1931: Java. ZMH P19668 (redescr. Glasby *et al.* 1990; = *Namanereis catarractarum fide* Glasby 1999)
- Namalycastis* Hartman, 1959
- rhodochorde* Glasby, Miura, Nishi & Junardi, 2007: Mekong River delta, Vietnam. NTM W21210, NTM W21211, NTM W21212, USNM1109992, OMNH IV5026
- rigida* Pillai, 1965: Malabon, Luzon, Philippines. RTS 18, NHM AN03 1965.33.13-15 (= *Namalycastis abiuma* (Grube) species group *fide* Glasby 1999)
- tachinensis* Rosenfeldt, 1984: Tachin River, Thailand. HZM P17966, HZM P17967 (= *Namalycastis fauveli fide* Glasby 1999)
- Namanereis* Chamberlin, 1919
- beroni* Hartmann-Schröder & Marinov, 1977: New Guinea. ZMH 13675 (redescr. Glasby 1999)
- Neanthes* Kinberg, 1866
- bongcoi* Pillai, 1965: Bonuan, Dagupan City, Luzon, Philippines. RTS 20, NHM AN03 1965.33.16
- donghaiensis* Wu, Sun & Yang, 1981: Ningde, Fujian, China. IOCAS 1-54, A55
- maculata* Wu, Sun & Yang, 1981: Guangdong, China. IOCAS A56, A57
- manatensis* Pillai, 1965. Mant, Dagupan City, Luzon, Philippines. RTS 19, NHM AN03 1965.33.17-18
- nanhaiensis* Wu, Sun & Yang, 1981: Nanhaien, South China Sea. FIOQ 58, 59
- philippinensis* de León-González & Salazar-Vallejo, 2003: Philippines. MNHN 76, 77, UANL 5079
- suluensis* Kirkegaard, 1995: Sulu Sea. ZMUC 40
- Nectoneanthes* Imajima, 1972
- multignatha* Wu, Sun & Yang, 1981: Gulf of Tonkin, South China Sea. IOCAS A62, A63 (= *Nectoneanthes oxypoda fide* Sato 2013)
- Nereis* Linnaeus, 1758
- belawanensis* Pflugfelder, 1933: Indonesia, Sumatra, Belawan. ZMH (= *Alitta succinea* (Leuckart, 1847) *fide* Hartman, 1956)
- buitendijki* Horst, 1919: Malacca Strait. NML 2482
- (*Ceratonereis*) *coracina* Grube, 1878: Off Supermonde Bank (4°57.4'S, 119°2.8'E), Singapore. MPW 305 (= *Ceratonereis coracina fide* Hartman 1959; subgenus *Composetia fide* Hartmann-Schröder 1985)
- dorsolineata* Horst, 1924: off NW Makassar. NML 846 (= *Ceratonereis dorsolineata fide* Hartman 1959)
- hastifera* Fauvel, 1937: Ha Long Bay, Vietnam. MNHN 192, 655 (= *Ceratonereis hastifera fide* Hartman 1959; subgenus *Composetia fide* Hartmann-Schröder 1985)
- hyalognatha* Ehlers, 1920: Ambon, Indonesia. ZMH (= *Ceratonereis hyalognatha fide* Hartman 1959)
- imperfecta* Gravier & Dantan, 1934: Cauda, Vietnam. MNHN 505 (= *Ceratonereis imperfecta fide* Hartman 1959)
- incisa* Gravier & Dantan, 1934: Cauda, Vietnam. MNHN
- lapinigenis* Grube, 1878: Lapinig, Philippines. ZMB 4001, lost (= *Ceratonereis costae* (Grube, 1840) from the Mediterranean Sea *fide* Hartman 1959)
- marmorata* Horst, 1924: Gisser. NML 869 (= *Ceratonereis marmorata fide* Hartman 1959)
- microcephala* Grube, 1878: Talibon, Philippines. ZMB 4016 (= *Ceratonereis microcephala fide* Hartman 1959; subgenus *Composetia fide* Hartmann-Schröder 1985)
- pectinifera* Grube, 1878: Zamboanga, Philippines. MPW 314 (= *Ceratonereis pectinifera fide* Hartman 1959)

- ramosa* Horst, 1919: SE of Pearl Bank, Sulu Archipelago; Noimi, S Timor (10°14' S, 124°5.5' E); S Flores. NML 908, 909 (= *Ceratonereis ramosa* fide Hartman 1959)
- similisetis* Grube, 1878: Aibuhit, Palau. ZMB (= *Ceratonereis similisetis* fide Hartman 1959)
- ternatensis* Fischli, 1903: Ternate, Indonesia. ZMH
- tripartita* Horst, 1918: Paternoster Island. NML 955.1–2, 2225, 2231 (= *Ceratonereis tripartita* fide Hartman 1959)
- dawydovi* Fauvel, 1937: Ha Long Bay, Vietnam. MNHN 245, 678 (= *Neanthes dawydovi* fide Hartman 1959)
- dayana* Sun, Wu & Shen, 1978: Zhongsha Islands, Guangdong, China. IOCAS [Type not located] (redescr. Wu *et al.* 1981)
- guangdongensis* Wu, Sun & Yang, 1981: Yantian, Guangdong, China. IOCAS 45, 46
- heterochaeta* de Quatrefages, 1866: Java, Indonesia. MNHN 393–395 (= *Tylorrhynchus heterochaetus* fide Pettibone 1971a)
- hainanica* Khlebovich, 1963: Hainan Island, China. ZISP (redescr. Wu *et al.* 1981)
- (*Heteronereis*) *coeruleus* Hoagland, 1920: Limbe Strait, Celebes, Leyte Sound, Philippines. USNM 18948 (= *Perinereis* fide Hartman 1938; = *Pisenoë coeruleus* fide Treadwell 1942; = *Perinereis coeruleus* fide Hartman 1959; = *Perinereis caeruleis* fide Wilson & Glasby 1993).
- indica* Kinberg, 1866: S Bangka Strait. SMNH 470
- larentucana* Grube in Peters, 1881: Larantuka, Flores, Indonesia. MPW 411, ZMB 863, 4002 (= *Neanthes larentucana*)
- (*Leonnates*) *virgata* Grube, 1878: Talibon, Philippines. MPW 322 (= *Leonnates virgatus* fide Hartman 1959)
- (*Leptonereis*) *cebuensis* Grube, 1878: Cebu, Philippines. MPW 304, ZMB 3465 (= *Laeonereis cebuensis* fide Hartman 1959; = *Platynereis cebuensis* fide Pettibone 1971a)
- distorta* Treadwell, 1936: Amoy (Xiamen), China. USNM 20118 (= *Tylorrhynchus heterochaetus* fide Pettibone 1971a)
- inermis* Hoagland, 1920: Cliff Island, Philippines. USNM 18947 (= *Kinberginereis inermis* fide Pettibone 1971a)
- (*Lycoris*) *abnormis* Horst, 1924: Buton Strait. NML 2298, 726, 2275, 730 (= *Platynereis abnormis* fide Hartman 1959; descr. epitoke Gravier & Dantan 1934)
- abyssicola* Horst, 1924: E Kofiau Island (1°10.5'S, 130°9'E). NML 728 (= *Nereis abyssicola* fide Hartman 1959)
- anchylochaeta* Horst, 1924: Pula Sarassa, Postillon Islands; Sapeh Strait; Lamakwera, Solor Island; Amboina; Pulu Jedan, E Aru Islands. NML 731.1–2 (= *Ceratonereis anchylochaeta* fide Hartman 1959)
- badiotorquata* Grube, 1878: Pandanon, Philippines. ZMB (= *Nereis badiotorquata* fide Hartman 1959)
- baliensis* Horst, 1924: S Kangeang Island, Bali. NML 734 (= *Nereis baliensis* fide Hartman 1959)  
NML 734 (lost)
- batjanensis* Horst, 1924: Batjan Bay; Banda. NML 737.1–2 (= *Nereis (Platynereis) batjanensis* fide Bleeker & van der Spoel 1992)
- crucifera* Grube, 1878: Mariados (sic), Philippines. ZMB (= *Neanthes crucifera* fide Hartman 1959)
- dayana* Sun, Wu & Shen, 1978: Zhongsha Islands, Guangdong, China. IOCAS (redescr. Wu *et al.* 1981)
- ehlersiana* Grube, 1878: Philippines. MPW 308, ZMB 3500 (= *Nereis ehlersiana* fide Hartman 1959)
- gisserana* Horst, 1924: Gisser. NML 854
- heteromorpha* Horst, 1924: Gisser. NML 856, 2031, 2290 (= *Nereis heteromorpha* fide Hartman 1959)
- masalacensis* Grube, 1878: Masalac, Philippines. MPW 311 (= *Pseudonereis masalacensis* fide Hartman 1959)
- quatrefagesi* Grube, 1878: Bohol, Philippines. MPW 320 (= *Perinereis quatrefagesi* fide Hartman 1959)
- semperiana* Grube, 1878: Bohol, Philippines. ZMB 4056 (= *Nereis semperiana* fide Hartman 1959)



- sumbawensis* Horst, 1924: Saleh Bay, N Sumbawa. NML 951 (= *Nereis sumbawensis* fide Hartman 1959)
- trifasciata* Grube, 1878: Bohol, Philippines. MPW 319 (= *Nereis trifasciata* fide Hartman 1959)
- trifasciata vandersandei* Horst, 1924: Indonesia. NML 953 (= *Nereis trifasciata vandersandei* fide Hartman 1959)
- tydemani* Horst, 1924: Gisser. NML 956 (= *Nereis tydemani* fide Hartman 1959)
- verrillii* Grube, 1878: Philippines. MPW 321 (= *Neanthes verrillii* fide Hartman 1959)
- macropis* Ehlers, 1920: Nordwachter Eiland, off Java, Java Sea. ZMH
- malayana* Horst, 1889: Malayan Archipelago. NML (epitoke; = *Perinereis malayana* fide Hartman 1959)
- mictodonta* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NHMW ZooEv 19919, NHMW 776 (= *Perinereis mictodonta* fide Glasby & Hsieh 2006)
- (*Neanthes*) *amoyensis* Treadwell, 1936: Amoy (=Xiamen), China. USNM 20117 (= *Nereis amoyensis* fide Hartman 1959)
- augeneri* Gravier & Dantan, 1934: Gulf of Tonkin, Vietnam. MNHN 314 (epitokes).
- linea* Treadwell, 1936: Amoy (Xiamen), China. USNM 20115 (= *Perinereis aibuhitensis* Grube, 1878 fide Hartman 1938a, 1956; = *Nereis aibuhitensis* fide Hartman 1959; = *Perinereis linea* fide Aris et al. 2013)
- orientalis* Treadwell, 1936: Amoy (Xiamen), China. USNM 20116 (= *Perinereis aibuhitensis* Grube, 1878 fide Hartman 1956; = *Nereis aibuhitensis* fide Hartman 1959)
- (*Nereis*) *fauveli* Gravier & Dantan, 1934: Cauda, Vietnam. MNHN 346, 347
- legeri* Gravier & Dantan, 1934: Cauda, Phanthiet-Kégu, Vietnam. MNHN 107, 108 (= *Nectoneanthes oxypoda* fide Sato 2013).
- obscura* Gravier & Dantan, 1934: Cauda, Vietnam. MNHN 316
- nigropunctata* Horst, 1889: Malayan Archipelago. NML 1066.2 (= *Perinereis nigropunctata* fide Hartman 1959)
- nouhuysi* Horst, 1918: Bay of Pidjot, Lombok, Indonesia. NML 873
- onychophora* Horst, 1918: Gisser, Ceram Laut Islands. NML 875, 2326
- (*Perinereis*) *aibuhitensis* Grube, 1878: Aibuhit, Palau. MPW 302, ZMB 3440 (= *Nereis aibuhitensis* fide Hartman 1959)
- binongkae* Horst, 1924: Pasir Pandjang, W Binongka. NML (= *Perinereis binongkae* fide Hartman 1959)
- calmani* Monro, 1926: Macclesfield Bank, Paracel Islands, South China Sea. NHM AN02 1926.4.30.80-81 (= *Perinereis calmani* Monro, 1926 fide Hartman 1965)
- camiguina* Grube, 1878: Camiguin, Philippines. MPW 303, ZMB 3464 (= *Perinereis camiguina* fide Hartman 1959)
- cavifrons* Ehlers, 1920: Ambon. ZMH (= *Perinereis cavifrons* fide Hartman 1959)
- dongalae* Horst, 1924: Dongala, Palos Bay, Celebes. NML 1064 (= *Perinereis dongalae* fide Hartman 1959)
- helleri* Grube, 1878: Bohol, Philippines. MPW 310, ZMB 3509 (= *Perinereis helleri* fide Hartman 1959)
- obfuscata* Grube, 1878: Philippines. MPW 313 (= *Perinereis obfuscata* fide Hartman 1959)
- perspicillata* Grube, 1878: Bohol, Philippines. MPW 315 (= *Perinereis perspicillata* fide Hartman 1959)
- rumphii* Horst, 1919: Dobo, Aru Islands; S of East Flores; Road of Koepang, Timor; Amboina. NML 910, 911, 1065, 1068 (= *Perinereis rumphii* fide Hartman 1959)
- singaporensis* Grube, 1878: Singapore. MPW 316 (= *Perinereis singaporensis* fide Hartman 1959)
- striolata* Grube, 1878: Bohol, Philippines. MPW 318 (= *Perinereis striolata* fide Hartman 1959)
- suluana* Horst, 1924: Pulu Tongkil, Sulu Archipelago. NML (= *Perinereis suluana* fide Hartman 1959)
- tobeloana* Augener, 1933: Tobelo, Maluku Utara, Indonesia. NML
- picteti* Malaquin & Dehorne, 1907: Amboine (Ambon), Indonesia. NML 906

- (*Platynereis*) *cristatus* Horst, 1924: Kilsuin, W Kur Island; S of Flores. NML 2037; S of East Flores NML 742, 739, 907.1–3, 2037 (= *Platynereis cristatus* fide Hartman 1959)
- fusciorubida* Grube, 1878: Philippines. MPW 309 (= *Platynereis fusciorubida* fide Hartman 1959)
- integer* Treadwell, 1920: epitoke, Romblon, Philippines. USNM 18939 (= *Platynereis polyscalma* Chamberlin, 1919 fide Hartman 1938a)
- profundi* Kirkegaard, 1956: Banda Trench. ZMUC
- (*Pseudonereis*) *trimaculata* Horst, 1924: Between Gisser and Ceram Laut. NML 954 (= *Pseudonereis trimaculata* fide Hartman 1959)
- surugaense nahaiensis* Sun, Wu & Shen, 1978: Zhongsha Islands, Guangdong, China. IOCAS, type not located (redescr. Wu *et al.* 1981)
- talehsapensis* Fauvel, 1932: Taléh-Sap lagoon, Thailand. MNHN 641, ZSI 2675/1
- tenuipalpa* Pflugfelder, 1933: Belawan & Perbaoengan, Sumatra. ZMH (redescr. Hartmann-Schröder 1985; = *Paraleonmates tenuipalpa* fide Glasby *et al.* 2009)
- torta* Fauvel, 1934: Nha Trang, Vietnam. MNHN 243, 244
- vitabunda* Pflugfelder, 1933: Indonesia, Sumatra, Belawan. ZMH (= *Neanthes vitabunda* fide Hartman, 1959)
- zhongshaensis* Sun, Wu & Shen, 1978: Zhongsha Islands, Guangdong, China. IOCAS, type not located (redescr. Wu *et al.* 1981)
- Nicon* Kinberg, 1866
- japonicus* Imajima, 1972: Ariake Sea, Japan. NSMT 72, 73
- Paraleonmates* Khlebovich & Wu, 1962
- uschakovi* Khlebovich & Wu, 1962: Hainan, China. IOCAS 8181 (diagn., syn. & redescr. Khlebovich 1996, Hong *et al.* 2012)
- Perinereis* Kinberg, 1866
- quoyi* de Quatrefages, 1866: Moluccas. MNHN (indeterm. fide Hartman 1959)
- rhomodonta* Wu, Sun & Yang, 1981: Guangdong, China. IOCAS A64, A65 (redescr. Wilson & Glasby 1993)
- shikueli* Glasby & Hsieh, 2006: Taiwan. ASIZ 663, ASIZW665, ASIZW664, NTM W19421, NTM W19422, RMBR ZRC2005.0092, RMBR ZRC2005.0093
- talehsapensis* Fauvel, 1932: Taleh Sap (Songkla) Lake, Thailand. ZSI
- ternatensis* Fischli, 1903: Ternate, Indonesia. ZMH
- thysanota* Ehlers, 1920: Ambon, Indonesia. ZMH (= *Ceratonereis ramosa* fide Hartman 1959)
- viridis* Glasby & Hsieh, 2006: Singapore. NTM 19338, ASIZ 683, NTM 19424
- weijhouensis* Wu, Sun & Yang, 1981: Weizhou Island, Beihai, Guangxi, China. IOCAS A66, A67 (= *Perinereis nuntia* fide Wilson & Glasby 1993)
- wilsoni* Glasby & Hsieh, 2006: Pitou, Taipei, Taiwan. ASIZ 670, 671, 672, NTM 19426
- Platynereis* Kinberg, 1866
- sinica* Sun, Wu & Shen, 1978: Zhongsha Islands, Guangdong, China. IOCAS, type not located] (redescr. Wu *et al.* 1981)
- Rullierinereis* Pettibone, 1970
- gallardoi* Pettibone, 1971: Nha Trang, South Vietnam. LACM 252
- Tambalagama* Pillai, 1961
- sinica* Shen & Wu, 1993: Nansha Islands, South China Sea. SSBT 31
- Tylonereis* Fauvel, 1911
- heterochaeta* Tan & Chou, 1994: Singapore. ZNUS 1993.6840, 6841–6842.
- Tylorhynchus* Grube, 1866
- chinensis* Grube, 1866: Shanghai, China. ZMB 4080 (= *Tylorhynchus heterochaetus* (de Quatrefages, 1866) fide Hartman 1959, Pettibone 1971a)

**Nerillidae** Levinsen, 1883

*Leptonerilla* Westheide & Purschke, 1996

*diplocirrata* Westheide & Purschke, 1996: Sanya, Hainan Island, China. SMF 5300

**Oeononidae** Kinberg, 1865

*Arabella* Grube, 1850

*planiceps* Grube, 1878: Bohol, Philippines. MPW 262, ZMB 1763 (= *Drilonereis planiceps* fide Hartman 1959)

*Aracoda* Schmarda, 1861 (mixture, species from three different genera)

*moebiana* Grube, 1878: Philippines. ZMB 1767, NTM 19421, 19422 (= *Arabella iricolor* Montagu, 1804 from England fide Hartman 1959)

*Labidognathus* Caullery, 1914b

*parasiticus* Caullery, 1914b: Timor Sea. NML

*Notocirrus* Schmarda, 1861

*biacculus* Gallardo, 1968: Nha Trang, Vietnam. LACM 294, MZUC 8263

*Oenone* Savigny in Lamarck, 1818

(*Andromache*) *pacifica* Fischli, 1903: Ternate, Indonesia. ZMH (= *Aglaurides pacifica* fide Hartman 1959)

**Onuphidae** Kinberg, 1865

*Diopatra* Audouin & Milne-Edwards, 1833

*amboinensis* Audouin & Milne-Edwards, 1833: Ambon, Indonesia. MNHN 397, 398 (redescr. Paxton 2002)

*bulohensis* Tan & Chou, 1996: Buloh, Singapore. ZNUS 1996.314, 1996.332, 1991.5618-5629, 1990.11630-11633, 1991.5718-5720, 1991.5553, 1991.5102-5105, 1991.17164-17169, 1991.5566-5583 (= *D. claparedii* fide Paxton 2002)

*claparedii* Grube, 1878: Singapore (or Manila, Philippines). MPW 270, ZMB 1773 (redescr. Paxton 2002)

*luzonensis* Grube, 1878: Manila, Philippines. MPW 271, ZMB 1779 (= *D. semperi* Grube, 1878 repl. name; redescr. Paxton 2002)

*uncinifera* de Quatrefages, 1866: Moluccas, Indonesia. MNHN 377

*Hyalinoecia* Malmgren, 1867

*camiguina* Grube, 1878: Camiguin, Philippines. MPW 294, ZMB 3311

*papillata* Imajima, 1999: Tsuchima Strait, Japan. NSMT 377, NSMT 378, NSMT 379

*Kinbergonuphis* Fauchald, 1982

*bathyalis* Kirkegaard, 1995: W Philippine Trench. ZMUC 43

*Nothria* Malmgen, 1867

*willemoesii* McIntosh, 1885: Amboina, Indonesia. NHM AN01 1885.12.1.212 (= *Sarsonuphis willemoesii* fide Fauchald 1982; *Paradiopatra willmoesii* fide Paxton 1986; = *Protodiopatra willemoesii* fide Budaeva & Fauchald 2011)

*Onuphis* Audouin & Milne-Edwards, 1833

*amakusaensis* Maekawa & Hayashi, 1999: Amakusa, Shimojima, Japan. NSTM 430, OMNH 1614

*branchiata* Treadwell, 1926: Marinduque Island, Philippines. USNM 19545

*fukianensis* Uschakov & Wu, 1962: Fujian, China. IOCAS, type not located

*iriei* Maekawa & Hayashi, 1999: East China Sea. NSMT 432, OMNH1624

*punggolensis* Tan & Chou, 1998: Sungei Punggol, Singapore. ZNUS 1996.1565, 1566–1578.

*pseudodibranchiata* Gallardo, 1968: Gulf of Nha Trang, Vietnam. LACM 297, ZMUC 1516, 1517 (= *Kinbergonuphis pseudobranchiata* fide Fauchald 1982)

*shijikiensis* Maekawa & Hayashi, 1999: East China Sea. NSMT434, OMNH 1628

*Paradiopatra* Ehlers, 1887

*pyricirra* Budaeva & Fauchald, 2011: SW off Kagoshima, Japan. ZMUB 87050, 87051

*unica* Imajima 1999: Kagoshima Bay, Japan. NMST 414

*Rhamphobranchium* Ehlers, 1887

*pacifica* Hoagland, 1920: Basa, Philippines. USNM 18959

## **Opheliidae Malmgren, 1867**

### *Ammotrypane* Rathke, 1843

- bimensis* Caullery, 1944a: Bima Island, Indonesia. NML 1560
- brevibranchiata* Caullery, 1944a: Siboga Sta. 241 NW Pulau Banda, Indonesia. NML 1487
- buitendijki* Horst, 1919: Java Sea. NML
- cordiformis* Caullery, 1944a: Siboga Sta. 254 Maluku, N Nursen Island, Indonesia. NML 1558
- dubia* Caullery, 1944a: Ambon, Indonesia. NML 1575
- ehlersi* Horst, 1919: Jedau, Aru Islands. NML
- fauveli* Caullery, 1944a: Siboga Sta. 172 Between Gisser and Ceram Islands, Indonesia. NML 1489
- filobranchiata* Gallardo, 1968: Nha Trang, Vietnam. LACM
- galathea* Kirkegaard, 1956: Banda Trench. ZMUC
- kampeni* Horst, 1919: Jedan, Aru Islands. NML
- kukenthali* Horst, 1919: Jedan, Aru Islands. NML
- langi* Kükenthal, 1887: Philippines. ZMH
- longicaudata* Caullery, 1944a: Molo Strait, Indonesia. NML 1612
- pygocirrata* Ehlers, 1920: Edam, Nordwachter Island, Java Sea. ZMH
- remigera* Ehlers, 1918: Sungi Manumbai, Aru Islands. ZMH
- sibogae* Caullery, 1944a: Moluca Sea. NML 1543.1–4
- sibogae major* Caullery, 1944a: Molo Strait. NML

### *Armandia* Filippi, 1861

- amakusaensis* Saito, Tamaki & Imajima, 2000: Amakusa, Japan. NSMT 360, 361–369
- exigua* Kükenthal, 1887: Leeo-tu (Letong), China. ZMH

### *Ophelina* Örsted, 1843

- (*Armandia*) *leptocirris* Grube, 1878: Lapinig, Philippines. ZMB (= *Armandia leptocirris* fide Hartman 1959)

### *Polyopthalmus* de Quatrefages, 1850

- striatus* Kükenthal, 1887: Hong Kong. ZMH

### *Travisia* Johnston, 1840 (key: Dauvin & Bellan 1994)

- chinensis* Grube, 1869: Chinese Sea, probably Shingdao, China. ZMB 6029
- horsti* Caullery, 1944: SW Flores, Indonesia. NML 2148

## **Orbiniidae Hartman, 1942 (includes Questidae Hartman, 1966 fide Bleidorn 2005, Bleidorn et al. 2009a)**

### *Orbinia* de Quatrefages, 1865

- vietnamensis* Gallardo, 1968: Nha Trang, Vietnam. LACM 298, MZUC 8276

### *Questa* Hartman, 1966

- bicirrata* Giere & Erséus, 1998: Mactan, Philippines. ZMUH P-23414, P-23437, P-23432

### *Scoloplos* de Blainville, 1828

- (*Leodamas*) *rubra orientalis* Gallardo, 1968: Nha Trang, Vietnam. LACM 316, MZUC 8226
- (*Scoloplos*) *spiniferus* Gallardo, 1968: Nha Trang, Vietnam. LACM
- tumidus* Mackie, 1991: Hong Kong. NMW 1989.117.23, 117.24–37, SMNH 4183, USNM 131479

## **Oweniidae Rioja, 1917**

### *Ammochares* Grube, 1847 (= *Owenia* delle Chiaje, 1841 fide Hartman 1959)

- orientalis* Grube, 1878: Philippines. ZMB 4630, 4631 (= *Owenia orientalis* fide Hartman 1959)

### *Myriochele* Malmgren, 1867

- eurystoma* Caullery, 1944: E Molucca Sea. NML 1475.1–8
- minor* Caullery, 1944: Flores Sea. NML 1479

### **Paralacydoniidae Pettibone, 1963**

*Paralacydonia* Fauvel, 1913

*weberi* Horst, 1923: S Flores Island. NML 2200.1–2, 1875, 2002

### **Paraonidae Cerruti, 1909**

*Tauberia* Strelzov, 1973

*brevibranchiata* Strelzov, 1973: Bismarck Sea. ZISP 1/38024

*flava* Strelzov, 1973: Bismarck Sea. ZISP 1/38025

### **Pectinariidae de Quatrefages, 1865**

*Lagis* Malmgren, 1866

*crenulatus* Sun & Qiu, 2012: Mai Po, Hong Kong. IOCAS 119742, 119743–52, AM W38672–82.

*Pectinaria* Savigny in Lamarck, 1818

(*Amphictene japonica* Nilsson, 1928: Japan (locality unknown). ZMB 4875 (= *Amphictene japonica fide* Hartman 1959)

*brevispinis* Grube, 1878: Lamiguin (Camiguin), Philippines. ZMB 5705 (redescr. Nilsson 1928)

*clava* Grube, 1878: Lapinig, Philippines. ZMB (redescr. Nilsson 1928)

*conchilega* Grube, 1878: Bohol, Philippines. MPW 329

*leioscapa* Caullery, 1944a: Banda Sea. NML 1529

*longispinis* Grube, 1878: Mariveles, Philippines. MPW 330

*papillosa* Caullery, 1944a: NE Kepulauan Aru, Indonesia. NML 1522

*parvibranchis* Grube, 1878: Panglao, Philippines. MPW 331 (redescr. Nilsson 1928)

*profunda* Caullery, 1944a: W off Tual, Indonesia. NML 1524

*Petta* Malmgren, 1865

*tenuis* Caullery, 1944a: off NE Patikul, Sulu Sea. NML 1516

### **Phyllodocidae Örsted, 1843**

*Eulalia* Savigny, 1822

*albopicta* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NMW 415 (= *Eumida albopicta fide* Eibye-Jacobsen 1991)

*Eteone* Savigny, 1822

*delta* Wu & Chen, 1963: Yangtze Kiang Delta, Shanghai, China. IOCAS, type not located

*Genetyllis* Malmgren, 1865

*oculata* McIntosh, 1885: Celebes, S of Mindanao. NHM AN01 1885.12.1.132

*Mysta* Malmgren, 1865 (= *Eteone fide* Pleijel 1991)

*maculata* Treadwell, 1920: Siasi, Sulu, Philippines. USNM 18940 (= *Mysta ornata* (Grube, 1878) *fide* Hartman 1956; distinct *fide* Wilson 1988; = *Eteone maculata fide* Pleijel 1991)

*Notophylum* Örsted, 1843

*japonicum* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. ZMB 2713 (slide), NMW (= *Nipponophyllum japonicum fide* Imajima & Hartman 1964; this record = *N. imajimai fide* Kato & Pleijel 2002)

*Phyllodoce* Savigny in Lamarck, 1818

(*Carobia*) *lamelligera ternatensis* Fischli, 1903: Ternate, Indonesia. ZMH

(*Eulalia*) *multicirris* Grube, 1878: Bohol, Philippines. MPW 338 (= *Notophylum splendens* (Schmarda, 1861) from South Africa *fide* Hartman 1959; = *Notophylum multicirris fide* Kato & Pleijel 2002)

(*Eulalia*) *tenax* Grube, 1878: Bohol, Philippines. MPW 340, ZMB 2672 (= *Eulalia tenax fide* Hartman 1959)

*lamelligera ternatensis* Fischli, 1903: Ternate, Indonesia. ZMH PE 222

- quadraticeps* Grube, 1878: Bohol, Philippines. MPW 339 (= *Sphaerodoce quadraticeps* fide Hartman 1959; *Sphaerodoce* junior syn. *Phyllodoce* fide Pleijel 1991)  
*tenera* Grube, 1878: Lamiguin (Camiguin), Philippines. ZMB 2690  
*temuissima* Grube, 1878: Bohol, Philippines. MPW 341  
*Prophyllodoce* Hartman, 1966 (perhaps = *Phyllodoce* fide Pleijel 1991)  
*philippinensis* Palpal-latoc, 1981: Tayabas Bay, Philippines. NMA 1023, 1500

#### **Pilargidae de Saint-Joseph, 1899**

- Kynephorus* Ehlers, 1920 (= *Ancistrostylis* fide Hartman 1959; = *Synelmis* fide Pettibone 1966b)  
*inermis* Ehlers, 1920: Ambon, Indonesia. ZMH 324a (= *Synelmis rigida* (Fauvel, 1919) from Touamotu, French Polynesia fide Salazar-Vallejo 2003)  
*Pilargis* de Saint-Joseph, 1899 (key: Salazar-Vallejo & Harris 2006)  
*mohri* Gallardo, 1968: Nha Trang, Vietnam. LACM 326, 1861, ZMUC 1603 (redescr. Salazar-Vallejo & Harris 2006)  
*Sigambra* Müller, 1858  
*papagayu* Bamber in Muir & Bamber, 2008: Hong Kong. NHM 2003.1081, 1082–1083  
*Synelmis* Chamberlin, 1919 (key: Salazar-Vallejo 2003)  
*annamita* Gallardo, 1968: Nha Trang, Vietnam. LACM 328, 1864–1867, 1129, MZUC 8220, ZMUC 1128, 1129 (= *Litocorsa annamita* fide Licher & Westheide 1994; redescr. Darbyshire & Mackie, 2003)  
*Talehsapia* Fauvel, 1932 (= *Hermundura* Müller, 1858 fide Glasby & Hocknull 2010)  
*annandalei* Fauvel, 1932: Taléh-Sap Lagoon (Songkhla Lake), Thailand. ZSI 2256/1 (redescr. Soota & Rao 1977, Salazar-Vallejo et al. 2001)

#### **Poecilochaetidae Hannerz, 1956**

- Poecilochaetus* Ehlers, 1875  
*hystricosus* Mackie, 1990: Hong Kong. NMW 1986.79.42, 1986.79.43–45  
*koshikiensis* Miura, 1988: off Shimo-Koshiki Island, Kagoshima, Kyushu, Japan. USNM 104126, 104127, NSMT 249  
*magnus* Imajima, 1989: Ariake-Kai, Kyushu. NSMT 264, 265  
*paratropicus* Gallardo, 1968: Nha Trang, Vietnam. LACM 303  
*spinulosus* Mackie, 1990: Hong Kong. NMW 1986.79.36, 1986.79.37–38  
*tricirratu*s Mackie, 1990: Hong Kong. NMW 1986.79.39, 1986.79.40  
*trilobatus* Imajima, 1989: Kabira Bay, Ishigaki-shima, Ryukyu. NSMT 258, 259  
*tropicus* Okuda, 1935: South Japan Sea. ZIHU (redescr. Imajima 1989)  
*vietnamita* Gallardo, 1968: Nha Trang, Vietnam. LACM 302

#### **Polycirridae Malmgren, 1866 (redef. Nogueira et al. 2013)**

- Lysilla* Malmgren, 1866  
*albomaculata* Caullery, 1944a: SW Flores, Indonesia. NML 1505.1–2  
*ubianensis* Caullery, 1944a: Flores Sea. NML 1537  
*Polycirrus* Grube, 1850  
*boholensis* Grube, 1878: Bohol, Philippines. ZMB 10654  
*dodeka* Hutchings, 1990: Chek Chau, Hong Kong. AM W201884, NMW 1986.79.55  
(*Ereutho*) *aquila* Caullery, 1944a: Banda, Indonesia. NML 1532  
*multus* Hutchings, 1990: Chek Chau, Hong Kong. AM W201887, 201888–201890, NMW 1986.79.56  
*quadratus* Hutchings, 1990: Cox Head Rock, Hong Kong. AM W201886

## **Polygordiidae Czerniavsky, 1881**

### *Polygordius* Schneider, 1868

*epitocus* Dawydoff, 1905: Malay Archipelago (Arafuran Sea coast, New Guinea *fide* Dawydoff 1952:5).  
ZISP

## **Polynoidae Malmgren, 1867**

### *Allmaniella* McIntosh, 1885

*arafurensis* Horst, 1915: Kei Islands. NML 13

### *Asterophilina* Hanley, 1989

*culcitae* Britayev & Fauchald, 2005: Nha Trang Bay, Vietnam. ZMMSU N4512, ZMMSU N4513-4518

### *Branchinotogluma* Pettibone, 1985

*burkensis* Pettibone, 1989: Mariana Back-Arc Basin, Burke Field, Snail Pits. USNM 118366

### *Branchipolynoe* Pettibone, 1984

*pettiboneae* Miura & Hashimoto, 1991: off Chichijima Island. NSMT 327, USNM 131183, JAMSTEC

### *Drieschella* Augener & Pettibone *in* Pettibone, 1970a

*maculata* Augener & Pettibone *in* Pettibone, 1970a: Malay Archipelago, Ternate anchorage. NML 2209, 1898

### *Eunoe* Malmgren, 1865

*mindanavensis* McIntosh, 1885: Mindanao, Philippines. NHM AN01 1885.12.1.51

### *Gastrolepidia* Schmarda, 1861

*amblyphyllus* Grube, 1878: Philippines. ZMB (= *Gastrolepidia clavigera* Schmarda, 1861 from Sri Lanka *fide* Horst 1915; redescr. Hanley 1989; anterior end and neurochaetae differ)

### *Halosydna* Kinberg, 1855

(*Alentia*) *annamita* Fauvel, 1934: Thuy-Trian, Nha Trang, Vietnam. MNHN (= *Alentia annamita fide* Hartman 1959, = *Paralentia annamita fide* Uschakov 1982)

*pilosa* Horst, 1917: Malacca Strait. NML 1114 (= *Halosydropsis pilosa fide* Uschakov & Wu 1959, Hartman 1965; redescr. Pettibone 1977)

### *Harmothoe* Kinberg, 1855

*atra* Horst, 1915: Bay of Labuan Tring, Lombok. NML 350

*liaoi* Barnich, Fiege & Sun, 2004: Hainan Island, China. IOCAS Type not located

*nigricans* Horst, 1915: Saleyer (Selayer), Indonesia. NML 402 (= *Verrucapelma nigricans fide* Hanley & Burke 1991)

*sinensis* Barnich, Fiege & Sun, 2004: Hainan Island, China. IOCAS types not located, SMF13420

### *Hololepidella* Willey, 1905

*alba* Hartmann-Schöder, 1981: Cebu, Philippines. HZM P16528, HZM P16529

*obtusa* Hartmann-Schöder, 1984: Cebu, Philippines. HZM P17983, HZM P17984

*lobata* Hartmann-Schöder, 1984: Cebu, Philippines. HZM P17985

### *Intoshella* Darboux, 1900

*aphthalma* Gallardo, 1968: Nha Trang, Vietnam. LACM 296 (= *Pararctonoella aphthalma fide* Pettibone 1996b)

### *Iphione* Kinberg, 1855

*cimex* de Quatrefages, 1866: Malacca Strait, Indonesia. MNHN 1868.38a (326) (= *Iphionella cimex fide* McIntosh 1885; = Harmothoinae: *Gaudichaudius cimex fide* Pettibone 1986b, redescr. Pettibone 1986b)

### *Lagisca* Malmgren, 1865

*elythrophora* Horst, 1915: Jedan, Aru Islands. NML 493

*hexactinellidae* McIntosh, 1885: off Zebu (Cebu), Philippines. NHM AN01 1885.12.1.73

*malayana* Horst, 1915: Jedan, Aru Islands. NML 500

*oculescens* Hoagland, 1920: Macassar Strait, Philippines. USNM 18943

### *Lepidasthenia* Malmgren, 1867

*affinis* Horst, 1917: Bay of Pidjot, Lombok. NML 540

- ocellata* Treadwell, 1936: Amoy (Xiamen), China. USNM 20113 (= *Lepidasthenia interrupta* (von Marenzeller, 1902) from Japan *fide* Hartman 1938b)
- oshimai* Okuda, 1936: Amakusa, Kyushu. ZIHU
- scotti* Buzhinskaja, 1982: Scott Reef, Timor Sea. ZISP 1/44298
- sibogae* Horst, 1913: E Timor. NML 545
- strelkovi* Averintsev & Uschakov, 1977: Tonkin Bay, Vietnam. ZISP
- vietnamita* Averintsev & Uschakov, 1977: Tonkin Bay, Vietnam. ZISP
- Lepidonopsis* Pettibone, 1977
- collinifer* Barnich, Fiege & Sun, 2004: Hainan Island, China. IOCAS, type not located, SMF13417
- Lepidonotopodium* Pettibone, 1983
- minutum* Pettibone, 1989: Mariana Back-Arc Basin, Alice Springs. USNM 118363, 118364–118365
- Lepidonotus* Leach, 1816
- albopustulatus* Horst, 1915: Solor Strait. NML 549
- atratus* Treadwell, 1940: Digos, Gulf of Davao, Philippines. AMNH 2889 (= *Thormora jukesii* Baird, 1865 from New Zealand and Philippines *fide* Hartman 1956)
- carinulatus* von Marenzeller, 1902: Oho-Sima, Ryukyu, Japan. NHMW
- dentatus hainanicus* Uschakov, 1982: Hainan Island, China. ZISP (= *L. hainanicus* *fide* Barnich et al. 2004)
- hainanicus* Uschakov, 1982: Hainan Island, China. ZISP
- indicus* Kinberg, 1856: Bangka Strait, Indonesia. SMNH 394 (redescr. Hartman 1949; = *Paralepidonotus indicus* *fide* Hanley 1991)
- javanicus* Horst, 1917: S Kangeang Island. NML 560
- kumari* Rullier, 1970: Malaysia, Port Swettenham. MNHN 1349 (= *Olgalepidonotus kumari* *fide* Pettibone 1995)
- malayanus* Horst, 1915: W Waigeo Island; W Great Kei Island. NML 561.2, 561.1, 2605
- minutus* Treadwell, 1936: Amoy (Xiamen), China. USNM 20112 (= *Lepidonotus caelorus* Moore, 1903 from Japan and Alaska *fide* Hartman 1938b)
- onisciformis* Ehlers, 1918: Sungi Manumbai, Aru Islands, Indonesia. ZMH
- suluensis* Horst, 1917: N Sulu Sea. NML 600 (= *Euphione suluensis* *fide* Hartman 1959)
- vandersandei* Horst, 1917: SW Sunda. NML 602
- Levensteiniella* Pettibone, 1985
- raisae* Pettibone, 1989: Mariana Back-Arc Basin, Alice Springs. USNM 118362
- Lucopia* Pillai, 1965
- magnicirra* Pillai, 1965: Hundred Islands, Philippines. RTS 14 (= *Hyperhalosydna striata* (Kinberg, 1856) *fide* Hanley et al. 1991)
- Macellicephala* McIntosh, 1885
- maculosa* Treadwell, 1931: off Tayabas Light, Philippines. USNM 19543 (Acoetidae = *Eupanthalis maculosa* *fide* Hartman 1938b; = *Euarche maculosa* *fide* Pettibone 1976a, 1989)
- Medioantenna* Imajima, 1997
- clavata sensu* Nishi & Tachikawa, 1999: Ogasawara (Bonin) Islands, Japan. CBM 890–892 (differ from nominal form in pigmentation, anterior end and parapodial features)
- variopinta* Di Camilo, Martins & Britayev, 2011: N Sulawesi, Celebes Sea. MNCN 16.01/13202, 16.01/13203, 16.01/13204
- Ophthalmonoe* Petersen & Britayev, 1997
- pettiboneae* Petersen & Britayev, 1997: Banda Sea, Poka, inner bay. RNHL19700 (redescr. Britayev & Martin 2005)
- Opisthotrochopodus* Pettibone, 1985
- japonicus* Miura & Hashimoto, 1991: off Chichijima Island. NSMT 328, USNM 131184
- marianus* Pettibone, 1989: Mariana Back-Arc Basin, Alice Springs. USNM 118367, 118368–118370
- Parahalosydna* Horst, 1915
- chinensis* Monro, 1928: Amoy (Xiamen, Fujian), China. NHM AN02 1926.4.27.40 (= *Parahalosydna pleiolepis* (von Marenzeller, 1879) *fide* Hartman 1965)
- sibogae* Horst, 1915: Sulu Island, Philippines. NML 1037



*Parhalosydropsis* Pettibone, 1977

*hartmanae* Pettibone, 1977: Amoy (Xiamen), China. NHM AN02 1933.3.2.6

*Polynoe* Savigny in Lamarck, 1818

*ampullifera* Grube, 1878: Bohol, Philippines. MPW 346, ZMB 1138 (= *Paralepidonotus ampulliferus* fide Horst 1915; redescrip. Hanley 1991)

*boholensis* Grube, 1878: Bohol, Philippines. ZMB (= *Paralepidonotus boholensis* fide Horst 1915; = *Paralepidonotus indicus* (Kinberg, 1856) fide Hanley 1991; anterior end and parapodia differ)

*cornuta* Fischli, 1903: Ternate, Indonesia. ZMH

*fallax* Grube, 1878: Camiguin, Philippines. MPW 352, ZMB 1178 (= *Lepidasthenia fallax*)

*fulvovittata* Grube, 1876: Pandanon, Philippines. MPW 353 (= *Halosydna fulvovittata* fide Horst 1915; = *Hyperhalosydna striata* Kinberg, 1855, from Port Jackson, Australia fide Hartman 1959)

*fuscolimbata* Grube, 1878: Tatihou (= Talibon), Philippines. ZMB

(*Hemilepidia*) *versluysi* Horst, 1915: S Koer Island; S Taam Island, Maluku. NML 1165.1–2 (= *Hemilepidia versluysi* fide Hartman 1959)

*kampeni* Horst, 1915: SE Borneo. NML

(*Langerhansia*) *euplectellae* McIntosh, 1885: off Philippines. NHM AN01 1885.12.1.91, AN01 1921.5.1.548 (= *Intoshella euplectellae* fide Hartman 1959, Pettibone 1996b)

(*Lepidonotus*) *acantholepis* Grube, 1876: Bohol, Philippines. MPW 344, ZMB 1078, ZMH 504 (= *Hermenia acantholepis* redescrip. Pettibone 1975)

*adpersa* Grube, 1878: Philippines. MPW 345, ZMB 1073 (= *Lepidonotus adpersa* fide Hartman 1959)

*austera* Grube, 1878: Philippines. MPW 348 (= *Lepidonotus austera* fide Hartman 1959)

*cristata* Grube, 1876: Pandanon, Philippines. MPW 350 (= *Lepidonotus cristatus*)

*cryptocephalus* Grube, 1878: Bohol, Philippines. MPW 351 (= *Lepidonotus cryptocephalus*)

*gymnonotus* von Marenzeller, 1879: Yokohama, Shikoku or Kyushu, Japan. NMW (= *L. helotypus* fide Imajima & Hartman 1964; = *Hemilepidonotus helotypus* fide Pettibone 1996a)

*iphionoides* McIntosh, 1885: Basilian Strait, Philippines. NHM AN01 1885.12.1.97 (= *Lepidonotus iphionoides* fide Hartman 1959)

*pilosella* Grube, 1878: Philippines. ZMB

*tumorifera* Grube, 1876: Borneo. MPW 359

*longissima* Izuka, 1912: Sakurajima, Kagoshima and 7 more sites in Japan. UMUT, type probably lost (jun. homonym; *Lepidasthenia izukai* Imajima & Hartman, 1964 repl. name)

*nigropunctata* Horst, 1915: Ambon, Indonesia. NML 1162 (= *Hololepidella nigropunctata* fide Pettibone 1969c)

*ptycholepis* Grube, 1878: Lapinig, Philippines. ZMB 1153 (= *Allmaniella ptycholepis* fide Horst 1915)

*rutilans* Grube, 1878: Lapinig, Philippines. MPW 358, ZMB 1137 (= *Australaugeneria rutilans* fide Pettibone 1969b)

*subfumida* Grube, 1878: Philippines. ZMB (= *Harmothoe subfumida* fide Hartman 1959)

*venosa* Grube, 1878: Bohol, Philippines. MPW 360 (= *Hololepidella venosa* fide Pettibone 1969c)

*Russellhanleya* Barnich, Fiege & Sun, 2004

*striata* Barnich, Fiege & Sun, 2004: Hainan Island, China. IOCAS QZ3, SMF13419

*Scalissetosus* McIntosh, 1885

*acutipinnis* Ehlers, 1920: Amboina (Ambon), Indonesia. ZMB 6721

*ceramensis* McIntosh, 1885: Ceram Island (4°31'S, 129°57'E). BMNH 85:12:1:85, RNHL1294, Great Kei Island (5°54'S, 132°56.7'E)

*levis* von Marenzeller, 1902: Kagoshima, Nagasaki, Hong Kong. NMW

*papilliferus* Horst, 1915: Pulu Sarassa, Postillon Islands; North Ubian; off Gisser. NML 1286.1–2, USNM 26055-26058 (= *Subadyte papillifera* fide Pettibone 1969b)

*praelongus* von Marenzeller, 1902: Kagoshima, Japan. NMW

*tentaculatus* Horst, 1915: Sapeh Strait; E Aru Islands. NML 1288 (= *Paradyte tentaculata* fide Pettibone 1969b)

*Subadyte* Pettibone, 1969

- micropapillata* Barnich, Fiege & Sun, 2004: Hainan Island, China. IOCAS type not located, SMF13421  
*Telolepidasthenia* Pettibone, 1970  
*lobetobiensis* Augener & Pettibone in Pettibone, 1970a: RV Siboga Sta. 306 (8°27' S, 122°54.5' E), 247 m. NML 1911.1–2, 2491  
*Verrucapelma* Hanley & Burke, 1991  
*conifera* Barnich, Fiege & Sun, 2004: Hainan Island, China. IOCAS type not located, SMF13422–13424  
*Weberia* Horst, 1915  
*pustulata* Horst, 1915: N Soembawa. NML 1472.2, 1472.1

### **Sabellariidae Johnston, 1865 (key: Capa *et al.* 2012)**

- Idanthysus* Kinberg, 1867  
*boninensis* Nishi & Kirtley, 1999: Bonin Islands, Japan. CBM 40, 114, 115, 681–687, 690–692  
*okinawensis* Nishi & Kirtley, 1999: Okinawa, Japan. CBM 48, 137  
*Lygdamis* Kinberg, 1867  
*ehlersi* Caullery, 1913: Banda Sea. NML 1836, 1807  
*ehlersi major* Caullery, 1944: Sumba, Indonesia. NML 1881 (= *Lygdamis ehlersi fide* Kirtley 1994)  
*indicus* Kinberg, 1867: Bangka Strait, Java Sea, Indonesia. SMNH 6928  
*japonicus* Nishi & Kirtley, 1999: Sankaku-seto, Yatsushiro-kai, Amakusa, Kyushu, and off Yakushima Island, Kyushu, Japan. CBM 389, 688, 268, 270, 689  
*Monorchos* Treadwell, 1926  
*philippinensis* Treadwell, 1926: Bohol Sea, Philippines. USNM 1920F (= *Tetereus philippinensis fide* Kirtley 1994)  
*Pallasia* de Quatrefages, 1848 (= *Idanthysus* Kinberg, 1867 *fide* Hartman 1959)  
*abyssalis* Caullery, 1944a: Flores Sea. NML 1521 (= *Phalacrostemma abyssalis fide* Kirtley 1994)  
*bihamata* Caullery, 1944a: E Pulau Banta. NML 1484, 1550, 1551, 1563, 1574 (= *Idantylhyrsus bihamatus fide* Kirtley 1994)  
*bihamata brevicorona* Caullery, 1944a: Seba, Indonesia. NML (= *Idantylhyrsus bihamatus fide* Kirtley 1994)  
*porrecta* Ehlers, 1908: W Sumatra. ZMB 4536, lost (= *Tetereus porrectus fide* Kirtley 1994)  
*Phalacrostemma* von Marenzeller, 1895  
*superbum* Caullery, 1944a: Bali Sea. NML 1531 (= *Tetereus superbus fide* Kirtley 1994)  
*Sabellaria* Savigny in Lamarck, 1818  
*ishikawai* Okuda, 1938: Omuta, Ariake Sea, Kyushu, Japan. ZIHU  
*javanica* Augener, 1934: Java. NML (redescr. Nishi *et al.* 2010)  
(*Pallasia*) *sexhamata* Grube, 1878: Bohol, Philippines. MPW 381 (= *Idanthysus sexhamatus fide* Kirtley 1994)  
*Tetereus* Caullery, 1913 (= *Lygdamis fide* Caullery 1944; distinct *fide* Kirtley 1994)  
*curvata* Johansson, 1922: Bonin Islands, Japan. UUZM (= *Lygdamis curvatus fide* Kirtley 1994)  
*ehlersi* Caullery, 1913: Banda Sea. NML 1836, 1807  
*treadwelli* Hoagland, 1920: Luzon, Philippines. USNM 18964 (= *Lygdamis ehlersi fide* Kirtley 1994)

### **Sabellidae Malmgren, 1867**

- Branchiomma* Kölliker, 1858  
*hypsilophum* Ehlers, 1920: Amboina (Ambon), Indonesia. ZMB 6788, 6789 (= *Megalomma hypsilophum fide* Hartman 1959; = *Stylomma hypsilophum fide* Knight-Jones 1997)  
*Chone* Kröyer, 1856  
*trilobata* Gallardo, 1968: Nha Trang, Vietnam. LACM  
*Dasychone* Sars, 1862  
*maculata* Fischli, 1903: Ternate, Indonesia. ZMH (= *Branchiomma cingulata* (Grube, 1870) *fide* Hartman 1959)

- orientalis* McIntosh, 1885: off Hong Kong. NHM AN01 1885.12.1.393, AN01 1921.5.1.4336 (= *Branchiomma orientalis* fide Hartman 1959)
- Laonome* Malmgren, 1866
- albicingillum* Hsieh, 1995: Chu-Wei, Tan-Shui estuary, Taipei, N Taiwan. ASIZ 25, 22–24, 26–34, 37–41
- japonica* von Marenzeller, 1885: Nagasaki, Japan. NMW (= *Paralaonome japonica* fide Bush 1905; = *Sabellastarte japonica* fide Knight-Jones & Mackie 2003)
- Megalomma* Johansson, 1927
- cinctum* Fitzhugh, 2003: Orchid Island, Taiwan. MNSN3705-001, 3705-002, 3705-003, 3705-004, 3705-005, LACM 2085–2089
- Myxicola* Koch in Renier, 1847
- ommatophora* Grube, 1878: Philippines. MPW 301, dried, distorted
- Potamilla* Malmgren, 1866
- myriops* von Marenzeller, 1885: Yokohama, Shikoku or Kyushu, Japan. NMW
- oculea* Pillai, 1965: Binakayan, Cavite, Manila Bay, Philippines. RTS 25 (= *Demonax oculea* fide Knight-Jones 1983; = *Parasabella oculea* fide Tovar-Hernández & Harris 2010)
- Sabella* Linnaeus, 1767
- acrophthalmos* Grube, 1878: Philippines. MPW 364 (= *Megalomma acrophthalmos* fide Hartman 1959; Knight-Jones 1997)
- aulaconota* von Marenzeller, 1885: Nagasaki, Japan. NMW
- (*Dasychone*) *boholensis* Grube, 1878: Bohol, Philippines. MPW 365 (= *Branchiomma boholensis* fide Hartman 1959; Knight-Jones et al. 1991)
- serratibranchis* Grube, 1878: Bohol, Philippines. MPW 373 (= *Branchiomma serratibranchis* fide Hartman 1959)
- manicata* Grube, 1878: Bohol, Philippines. MPW 366 (= *Bispira manicata* fide Knight-Jones & Perkins 1998)
- notata* Grube, 1878: Bohol, Philippines. MPW 367, ZMB 1554
- porifera* Grube, 1878: Bohol, Philippines. ZMB 1978, lost (= *Bispira porifera* fide Knight-Jones & Perkins 1998)
- (*Potamilla*) *oligophthalmus* Grube, 1878: Singapore. MPW 368 (= *Potamilla oligophthalma* fide Hartman 1959)
- polyophthalmus* Grube, 1878: Philippines. ZMB (= *Potamilla polyphthalmus* fide Hartman 1959)
- tenuitorques* Grube, 1878: Bohol, Philippines. MPW 378, ZMB 1547 (= *Potamilla tenuitorques* fide Hartman 1959)
- pyrrhogaster* Grube, 1878: Bohol, Philippines. MPW 370
- (*Sabella*) *rufovittata* Grube in Peters, 1881: Singapore. ZMB 870
- secusolotus* Hoagland, 1920: Sombrero Island, Philippines. USNM 19013 (= *Bispira secusolotus* fide Knight-Jones & Perkins 1998)
- spectabilis* Grube, 1878: Bohol, Masalac, Philippines and Singapore. MPW 374 fine; ZMB 149, 150, 5239, all lost (= *Sabellastarte spectabilis* fide Knight-Jones & Mackie 2003)
- zebuensis* McIntosh, 1885: Cebu, Philippines. NHM AN01 1885.12.1.385, AN01 1921.5.1.4204 (= *Sabellastarte zebuensis* fide Johansson 1927; = *Pseudobranchiomma zebuensis* fide Knight-Jones & Mackie 2003)
- Sabellastarte* Krøyer, 1856
- bocki* Johansson, 1927: Bonin Islands, Japan. UUZM (= *Pseudobranchiomma bocki* fide Knight-Jones & Mackie 2003)

### **Serpulidae Johnston, 1865 (includes Spirorbidae Chamberlin, 1919)**

*Ditrupa* Berkeley, 1835

*gracillima* Grube, 1878: Pandanon, Philippines. MPW 272, ZMB 1560 (redescr. ten Hove & Smith 1990, but differences in tubes and opercula)

*Ficopomatus* Southern, 1921

- talehsapensis* Pillai, 2008: Taléh Sap, Gulf of Thailand. NHM AN03 1938.5.7.89–91
- Hydroides* Gunnerus, 1768
- bandaensis* Zibrowius, 1972: Banda, Indonesia. NHMW 2039
- bifidus* Imajima, 1982: Arumonogui, Palau. NSMT 173
- bisectus* Imajima & ten Hove, 1989: Sesoko Island, Okinawa. NSMT 256
- centrospina* Wu & Chen, 1981: Hainan Island, China. IOCAS, holotype and paratype w/o number, shelving position IC3
- (*Eucarpus*) *cumingii* Mörch, 1863: Philippines. ZMUC (= *Vermilia cumingii* fide de Quatrefages 1866b; = *Hydroides cumingii* fide Hartman 1959)
- fusca* Imajima, 1976: Tanega-shima, Japan. NSMT 119
- grubei* Pillai, 1965: Binakayan, Cavite, Manila Bay, Philippines. RTS 26
- longispinosa* Imajima, 1976: Koniya, Amami-Oshima. NSMT 122, 123
- longistylaris* Chen & Wu, 1980: Shallow water, South China Sea. IOCAS A52, A53 (redescr. Fiege & Sun 1999, Sun *et al.* 2012)
- multispinosa ternatensis* Fischli, 1903: Ternate, Indonesia. ZMH
- nanhaiensis* Wu & Chen, 1981: South China Sea. IOCAS, holotype and paratype w/o number, shelving position IC3
- rhombobulus* Chen & Wu, 1980: Shallow water, South China Sea. IOCAS A50, A51 (redescr. Sun *et al.* 2012)
- trilobus* Chen & Wu, 1978: Xisha Islands, China. IOCAS, holotype w/o number, shelving position IC3
- tuberculata* Imajima, 1976: Tanega-shima, Japan. NSMT 120, 121
- xishaensis* Chen & Wu, 1978: Xisha Islands, China. IOCAS, holotype w/o number, shelving position IC3
- Metavermilia* Bush, 1905
- inflata* Imajima, 1977: Chichi-jima, Ogasawara Islands. NSMT 128, 129
- ogasawaraensis* Nishi, Kupriyanova & Tachikawa, 2007: Ogasawara, Japan. CMNH 1700, SAM 3572, SMF 16603
- spicata* Imajima, 1977: Ogasawara Islands, Japan. NSMT 126, 127, NML 3266
- yamazatoi* Imajima & ten Hove, 1989: Sesoko Island, Okinawa. NSMT 257, NML tH657, 18178, 3657
- Neopomatus* Pillai, 1960 (= *Ficopomatus* Southern, 1921 fide ten Hove & Werdenburg 1978; distinct fide Hartmann-Schröder 1971, and Pillai 2008)
- uschakovi* var. *lingayanensis* Pillai, 1965: Lingayan Gulf, Bongrin, Alaminos, Luzon, Philippines. RTS 28, NHM AN03 1965.33.19-28 (syn. Hartmann-Schröder 1971; = *Ficopomatus uschakovi* (Pillai, 1960) fide ten Hove & Weerdenburg, 1978)
- Placostegus* Philippi, 1844
- (*Omphalopoma*) *umbilicatus* Mörch, 1863: Manila, Philippines. ZMUC (*Omphalopoma umbilicata* fide Hartman 1959)
- ornatus* Sowerby in Mörch, 1863: Philippines. ZMUC
- ornatus articulata* Mörch, 1863: Philippines. ZMUC
- ornatus pennata* Mörch, 1863: Philippines. ZMUC
- porosus macrostigma* Mörch, 1863: Philippines. ZMUC
- Pomatoceros* Holly, 1935 (junior homonym, *Pseudopomatoceros* Holly, 1936 repl. name)
- roxasi* Holly, 1935: Mindoro, Philippines. NMW 118 (= *Pseudopomatoceros roxasi* fide Hartman 1959; = *Spirobranchus gaymardi* (de Quatrefages, 1866) fide Fiege & ten Hove 1999, incl. *Spirobranchus corniculatus* complex Nishi & Asakura 1996)
- Pomatoceros* Philippi, 1835 (= *Spirobranchus* de Blainville, 1828 fide Pillai 2009:148)
- bucephalus* Mörch, 1863: Zamboanga, Philippines. ZMUC (= *Vermilia bucephala* fide de Quatrefages 1866b)
- davaoensis* Treadwell, 1942: Gulf of Davao, Philippines. AMNH 3220 (= *P. caeruleus* (Schmarda, 1861) from New Zealand fide Hartman 1956)
- helicoides* von Marenzeller, 1885: Yolohama, Shikoku or Kyushu, Japan. NMW
- Pomatoleios* Pixell, 1913 (= *Spirobranchus* de Blainville, 1828 fide Pillai 2009:148)

- kraussi* var. *manilensis* Pillai, 1965: Binakayan, Cavite, Manila Bay, Philippines. RTS 27, NHM AN03 1965.33.34-43
- Pomatostegus* Schmarda, 1861  
*actinoceras* Mörch, 1863: Philippines. ZMUC (= *Cymospira actinoceras* fide de Quatrefages 1866b)
- Protula* Risso, 1826  
(*Protulopsis*) *nigranucha* Fischli, 1903: Ternate, Indonesia. ZMH (= *Protula nigranucha* fide Hartman 1959)  
*tubularia caeca* Imajima, 1977: Chichi-jima, Ogasawara Islands. NSMT 130, 131, NML 3267
- Pseudovermilia* Bush, 1907  
*xishaensis* Sun & Yang, 2001: Xisha Islands, China. IOCAS 75P108
- Semiserpula* Imajima, 1979  
*nanhaiensis* Sun & Yang, 2001: South China Sea. IOCAS 59P106, 60P107
- Semivermilia* ten Hove, 1975  
*parapomatostega* Wu & Chen, 1981: Xisha Islands, China. IOCAS, type not located
- Serpula* Linnaeus, 1758  
*chrysogyrus* Grube, 1876: Philippines. ZMB (= *Dasynema chrysogyrus* fide Hartman 1959; redescr. Imajima & ten Hove 1984)  
*furcifera* Grube, 1878: Ubay, Pandanon, Philippines. MPW 383, ZMB 5337 (= *Schizocraspedon furcifera* fide Hartman 1959)  
*fusca* Imajima, 1976: Tanegashima, Japan. NSMT 119  
*minax* Grube, 1878: Philippines. ZMB (= *Hydroides minax* fide Hartman 1959; redescr. Imajima 1976a, Fiege & Sun 1999, Pillai 2009)  
*palauense* Imajima, 1982: Arumizu Bay, Palau. NSMT 171, 172, NML 3453  
(*Paraserpula*) *sinica* Wu, Sun & Chen, 1979: Xisha Islands, China. IOCAS, type not located (*Paraserpula* Southward, 1963 is a junior synonym of *Serpula* Linnaeus, 1758 fide ten Hove & Kupriyanova 2009; = *Serpula sinica*)  
*philippinensis* McIntosh, 1885: off Philippines. NHM AN01 1885.12.1.408  
(*Pomatoceros*) *corniculata* Grube, 1862: Java. ZMB 3001 (= *Pomatoceros corniculata* fide Hartman 1959)  
*luzonica* Grube in Peters, 1881: Manila, Philippines. ZMB 865 (= *Pomatoceros luzonica* fide Hartman 1959)
- tricornis* Grube in Peters, 1881: Manila, Philippines. ZMB 871 (= *Pomatoceros tricornis* fide Hartman 1959)  
*quadricornis* Grube, 1878: Ubay, Philippines. MPW 386, ZMB 5735  
*tricornigera* Grube, 1878: Pandanon, Philippines. MPW 385
- Spiraserpula* Regenhardt, 1961  
*deltoides* Pillai & ten Hove, 1994: Lesser Sunda Islands, Sumba, Indonesia. NML 18296, 3736, NHM PO 02 1992.37-38  
*ingoconvexa* Pillai & ten Hove, 1994: NE Flores Sea to SW Banda Sea. NML 18295, 3735, NHM PO 02 1992.39  
*snellii* Pillai & ten Hove, 1994: Taka Bone Rate (Tiger Island), Flores Sea, Indonesia. NML 18298, 3738, NHM PO 02 1992.66-71  
*sumbensis* Pillai & ten Hove, 1994: Sumba, Indonesia. NML 18297, 3737, NHM PO 02 1992.72
- Spirobranchus* de Blainville, 1828 (includes *Pomatoceros* and *Pomatoleios* fide Pillai 2009:148)  
*gaymardi* (de Quatrefages, 1866): Type locality undetermined. MNHN 356a (redescr. Fiege & ten Hove 1999; not listed by Solís-Weiss *et al.* 2004)  
*semperi* Mörch, 1863: Philippines. ZMUC (= *Cymospira semperi* fide de Quatrefages 1866b; redescr. Pillai 2009)  
*sinensis* Wu & Chen, 1981: Xisha Islands, South China Sea. IOCAS, type not located  
*tricornigerus decoratus* Imajima, 1982: Gesodokkuru Reef, Arumonogui, Palau. NSMT 174, 175
- Spirorbis* Daudin, 1800  
(*Dexiospira*) *treadwelli* Pillai, 1965: Alaminos, Luzon, Philippines. RTS 29, NHM AN03 1965.33.44-45 (= *Neodexiospira treadwelli* (Pillai, 1965) fide Pillai 1970)

*Vermilia* Lamarck, 1818

*violacea* Valenciennes in de Quatrefages, 1866: Ambon, Indonesia. MNHN

*Zopyrus* Kinberg, 1867 (= *Serpula* Linnaeus, 1758 *fide* Hartman 1959)

*kaempferi* Kinberg, 1867: Bangka Strait, Indonesia. SMNH 3176 (= *Serpula kaempferi* *fide* Hartman 1959)

### **Siboglinidae Caullery, 1914a**

*Galathealinum* Kirkegaard, 1956

*bruuni* Kirkegaard, 1956: Celebes Sea. ZMUC

*Heptabrachia* Ivanov, 1952

*celebensis* Southward, 1961: Celebes Sea. NML (redescr. Ivanov 1963)

*Lamellibrachia* Webb, 1969

*satsuma* Miura, Tsukahara & Hashimoto, 1997: Kagoshima Bay, southern Kyushu. NSMT Pc-H3, Pc-P4–8, USNM 175092–175111, JAMSTEC Ves 270-77-93, 278-80-93, 281-90-93, 291-97-93, MNHN UE 798–802 (1233, 1243)

*Osedax* Rouse, Goffredi & Vrijenhoek, 2004

*japonicus* Fujikura, Fujiwara & Kawato, 2006: off Cape Nomamisaki, Kyushu, Japan. NSMT-Pol H478, NSMT-Pol H479, UMUT-RW29011

*Polybrachia* Ivanov, 1952

*celebensis* Southward, 1961: Celebes Sea. NML (= *Heptabrachia celebensis* (Southward, 1961) *fide* Ivanov 1963, although it was mentioned in Ivanov 1962)

*Sclerolinum* Southward, 1961

*sibogae* Southward, 1961: Siboga Sta. 175 (Ceram Sea), Sta. 210A (Flores Sea), Sta. 212 (Flores Sea). NML (redescr. Ivanov 1963)

*Siboglinum* Caullery, 1914

*cinctum* var. *subtile* Southward, 1961: Siboga Sta. 212 (Flores Sea). NML

*debile* Southward, 1961: Siboga Sta. 212 (Flores Sea). NML

*macrobrachium* Southward, 1961: Siboga Sta. 212 (Flores Sea). NML

*pinnulatum* Ivanov, 1960: N of Morotai Island, Moluccas. ZISP (redescr. Ivanov 1963)

*sergeevi* Ivanov, 1963: off N Buru Island, Ceram Sea. ZISP

*timorensis* Southward, 1961: Siboga Sta. 295 (Timor). NML

*weberi* Caullery, 1944b: Siboga Sta. 48 (Flores Sea), Sta. 52 (between Flores and Sumbawa). NML

### **Sigalionidae Malmgren, 1867 (key: Aungtonya, 2002; includes Pisionidae *fide* Wiklund et al. 2005, Norlinder et al. 2012)**

*Euleanira* Horst, 1916 (= *Sthenelanella* Moore, 1910 *fide* Pettibone 1969d)

*ehlersi* Horst, 1916: Madura Strait, Indonesia. NML 218.1–2, 2197, 2602 (= *Sthenelanella ehlersi* *fide* Pettibone 1969d)

*Eupholoe* McIntosh, 1885

*philippinensis* McIntosh, 1885: Basilian Strait, Philippines. NHM AN 01 1885.12.1.120 (= *Pelogenia philippinensis* *fide* Pettibone 1997)

*Leanira* Kinberg, 1855 (restricted Pettibone 1970c)

*coeca* Horst, 1917: Bali Sea; Ceram Sea; Banda Sea; Arafura Sea; Paternoster Islands. NML 524.1–6, 1169, 1170, 1778, USNM 40995 (redescr. Pettibone 1970c)

*festiva* Grube, 1878: Lapinig, Philippines. ZMB 3258, 3259 (= *Euthalenessa festiva* *fide* Pettibone 1970b; redescr. Aungtonya et al. 2010)

*javanica* Horst, 1917: N Java. NML 525

*melanocephala* Horst, 1917: Molo Strait. NML 527

*sibogae* Horst, 1917: Palau Anchorage, E Dangar Besar. NML 526.1–5, 526.7 (= *partim* *Horstileanira vanderspoeli* Pettibone, 1970d; = *Labiothenolepis sibogae* *fide* Pettibone 1992)

*tentaculata* Horst, 1917: Java Sea. NML 528.1–2 (= *Labioleanira tentaculata* *fide* Pettibone 1992)

- vulturis* Horst, 1917: Madura Strait; Bay of Bima; Makassar Strait, Indonesia. NML 529.1–3, 1164, USNM 39166 (= *Ehlersileanira incisa* (Grube, 1877) from West Africa *vide* Pettibone 1970c; anterior end differs)
- Pisone* Grube, 1857 (key: San Martín *et al.* 1998)
- brevicirra* de Wilde & Govaere, 1995: Durangit Reef, Papua New Guinea. IRSN 2069, 2068, 2070–2072, 2081
- brevicirra platycauda* Yamanishi, 1998: Iriomote Island, Japan. OMNH 1373, 1374–1378
- bulbifera* Yamanishi, 1998: Iriomote Island, Japan. OMNH 1399, 1400–1405
- helenae* de Wilde & Govaere, 1995: Durangit Reef, Papua New Guinea. IRSN 2113, 2114–2116
- papuensis* Govaere & de Wilde, 1993: Laing Island, Papua New Guinea. IRSN 2001, 2002–2006
- papuensis brevis* Yamanishi, 1998: Okinawa, Japan. OMNH 1384, 1385–1397
- parhelenae* de Wilde & Govaere, 1995: Hansa Bay beach, Papua New Guinea. IRSN 2051, 2050, 2052, 2060
- parva* de Wilde & Govaere, 1995: Laing Island E, Papua New Guinea. IRSN 2082, 2083, 2085, 2090, 2090b
- paucisetosa* Yamanishi, 1998: Bonin Islands, Japan. OMNH 1407–1421
- primitiva* de Wilde & Govaere, 1995: N of Laing Island E, Papua New Guinea. IRSN 2040, 2041–2042
- umbraculifera* Yamanishi, 1998: Iriomote Island, Japan. OMNH 1423, 1424–1426
- ungulata* de Wilde & Govaere, 1995: N of Laing Island E, Papua New Guinea. IRSN 2036, 2037–2039
- Pottsipelogenia* Pettibone, 1997
- gallardoi* Pettibone, 1997: Nha Trang, Vietnam. LACM 1575
- Psammolyce* Kinberg, 1855
- albicans* de Quatrefages, 1866: Philippines. MNHN 112 (Hartman 1959, indicated that the Bissayos Archipelago is in Africa, but it is in the Philippines, 11°00' N, 123°30' E; it was widely used in French Geography books in those days)
- horsti* Pettibone, 1997: Java. NML 1206
- malayana* Horst, 1913: Pulu Sebangkatan, Borneo Bank; Lirung, Salibabu Island; NW Waigen Island; Buton Strait; Saleh bay, Sumbawa. NML 1207.1–4 (= *Pottsipelogenia malayana* *vide* Pettibone 1997)
- Sigalion* Audouin & Milne-Edwards *in* Cuvier, 1830
- amboinensis* Grube, 1877: Amboina (Ambon), Indonesia. ZMB 854
- bandaensis* Horst, 1917: Banda. NML 1323
- litius* Imajima, 2005: S Nagan'nu-jima Island, Okinawa Islands. NSMT 463, 464
- Sthenelais* Kinberg, 1855
- dubiosa* Horst, 1917: Bay of Badjo, W Flores; E Dangar Besar, Saleh Bay, Sunibawa. NML 1195, 1388 (= *Fimbriosthenelais longipinnis* (Grube, 1870) from the Red Sea *vide* Pettibone 1971b)
- heterochela* Horst, 1917: Sanana Bay, Sunibawa. NML 1383 (= *Willeysthenelais heterochela* *vide* Pettibone 1971b)
- luxuriosa* Grube, 1875: Lapinig, Philippines. MPW 390
- malayana* Horst, 1917: Kwandang Bay, N Celebes. NML 1385
- nami* Gallardo, 1968: Nha Trang, Vietnam. LACM 295, 1862, 1863
- Thalenessa* Baird, 1868 (= *Sigalion* *vide* Mackie & Chambers 1990)
- gracilis* Fischli, 1903: Ternate, Indonesia. ZMH (Hartman 1959 indicated that Ternate is in the Indian Ocean, but it is not: 00°48' N, 127°20' E)
- spinosa asiatica* Uschakov & Wu, 1959: Taiwan. IOCAS, holotype missing, paratype w/o number, shelving position IC1
- Willeysthenelais* Pettibone, 1971
- bandaensis* Pettibone, 1971b: Banda Anchorage, Indonesia. NML 1387.4
- horsti* Pettibone, 1971b: Off Great Kei Island (5°36.5' S, 132°55.2' E). NML 1196, 1197, 1387.1, 1387.3, 1387.5, USNM 43554
- suluensis* Pettibone, 1971b: North Ubian, Sulu Archipelago. NML 1386, 1194

## **Sphaerodoridae** Malmgen, 1867

*Ephesiella* Chamberlin, 1919

*gallardi* Fauchald, 1974: Bay of Nha Trang, Vietnam. LACM 934

*Sphaerodorum* Orsted, 1843

*philippi malayana* Augener, 1933: Banda. NML 1328 (= *Sphaerodoridium malayana fide* Hartman 1965)

*vietnamense* Fauchald, 1974: Bay of Nha Trang, Vietnam. LACM 961

## **Spionidae** Grube, 1850

*Aonides* Claparède, 1864

*diverapoda* Hoagland, 1920: Taratara, Philippines. USNM 18961 (= *Trochochaeta diverapoda fide* Mackie 1990a)

*Dispia* Hartman, 1951

*latilamella* Williams, 2007: Morong, Bataan, Philippines. USNM 1096794.

*Microspio* Mesnil, 1896

*multidentata* Zhou, Ji & Li, 2009: Changhe, Fujian, China. MBM 198608, MBM 198609-198611

*Nerine* Johnston, 1838

*faughni* Gallardo, 1968: Nha Trang, Vietnam. LACM 289, MZUC 8242

*Paraprionospio* Caullery, 1914c

*crinata* Zhou, Yokoyama & Li, 2008: East China Sea. MBM 020595, MBM 020599, MBM 020600, MBM 020618, MBM 020619

*Polydora* Bosc, 1802

*cavitensis* Pillai, 1965: Binkayan, Cavite, Manila, Philippines. RTS 22, NHM AN03 1965.33.30-33

*fulva* Grube, 1878: Bohol, Philippines. MPW 343, ZMB 4736

*fusca* Radashevsky & Hsieh, 2000: Taiwan. ASIZ 54

*mabinii* Williams, 2001: Anilao, Philippines. USNM 187573, 187574

*robi* Williams, 2000: Mindoro, Philippines. USNM 186472, 186473–186481, AMNH 4218

*triglanda* Radashevsky & Hsieh, 2000: Tanshui River estuary, Taiwan. ASIZ 65

*umangivora* Williams, 2001: Sombrero, Philippines. USNM 187553, 187547–187552, 187554–187572  
AMNH 4251, 4252

*villosa* Radashevsky & Hsieh, 2000: Taiwan. ASIZ 77

*Polydorella* Augener, 1914

*dawydoffi* Radashevsky, 1996: Tre-Island, Nha Trang Bay, Vietnam. ZRC 1989 2-11

*kamakamai* Williams, 2004: Puerto Galera, Philippines. USNM 1008710, 1008711–1008712

*Prionospio* Malmgren, 1867

*pinnata inaequibranchiata* Caullery, 1944: Ambon, Indonesia. NML 1566, 1571, 1688

*rugosa* Sigvaldadóttir, 1997: Kau Pei Chau, Cape d'Aguilar, Hong Kong. SMNH 4782–4785

*saccifera* Mackie & Hartley, 1990: Hong Kong (and Gulf of Suez). NMW 1986.79.1, 1986.79.2–34, MNHN 52–53 (840, 841), SMNH 3704–3706

*sisshaensis* Wu & Chen, 1964a: Sisha Islands, China. IOCAS 23, 24

*steenstrupi malayensis* Caullery, 1944a: E. Flores Sea. NML 1569, 1570, 1572

*Pseudopolydora* Czerniavsky, 1881

*achaeta* Radashevsky & Hsieh, 2000: Tsengwen (Zengwen), Taiwan. ASIZ 121

*corniculata* Radashevsky & Hsieh, 2000: Pachang, Taiwan. ASIZ 144

*diopatra* Hsieh, 1992: Hsiang Shan, NW Taiwan. ASIZ 9011HS1, 9005HS, 9011HS, USNM 142034  
(redescr. Radashevsky & Hsieh 2000b)

*gigeriosa* Radashevsky & Hsieh, 2000: Tsengwen (Zengwen), Taiwan. ASIZ 147

*reticulata* Radashevsky & Hsieh, 2000: Tsengwen (Zengwen), Taiwan. ASIZ 168

*vexillosa* Radashevsky & Hsieh, 2000: Tsengwen (Zengwen), Taiwan. ASIZ 179

*Rhynchospio* Hartman, 1936 (key: Radashevsky 2007)

*nhatrangi* Radashevsky, 2007: Nha Trang Bay, Southern Vietnam. IMBV 18025, 18026, USNM 1101655, SMF 16695



*Scolecopsis* de Blainville, 1828

- alisonae* Williams, 2007: Morong, Bataan, Philippines. USNM 1096804, 1096805,  
*magnicornuta* Williams, 2007: Borocay, Philippines. USNM 1096808  
(*Nerinides*) *globosa* Wu & Chen, 1964b: Chushan Archipelago, East China Sea. IOCAS A25  
*villosivaina* Williams, 2007: Boracay, Philippines. USNM 1096813, 1096814

*Spiophanes* Grube, 1860

- longicirris* Caullery, 1915c: NE Molucca Sea. NML 1687 (redescr. Meißner 2005)  
*malayensis* Caullery, 1915c: Ambon, Indonesia. NML 1724 (redescr. Meißner 2005)

**Sternaspidae Carus, 1863**

*Petersenaspis* Sendall & Salazar-Vallejo, 2013

- palpallatoci* Sendall & Salazar-Vallejo, 2013: Sibuyan Sea, Philippines. MNHN 1551, 1552

*Sternaspis* Otto, 1821 (key: Sendall & Salazar-Vallejo 2013)

- laevis* Caullery, 1944a: Sumbawa Island, Indonesia. NML 1491, 1514, 1535 (= *Caulleryaspis laevis* fide Sendall & Salazar-Vallejo 2013)  
*laevis minor* Caullery, 1944a: Bali Sea. NML 1504, 1528 (= *Caulleryaspis laevis* fide Sendall & Salazar-Vallejo 2013)  
*piotrowskiae* Salazar-Vallejo, 2014: Luzon, Philippines. CAS 186700, 186736, 186927, 186945, 187017  
*rietschi* Caullery, 1944a: Wokam Island, Indonesia. NML 1500 (redescr. Sendall & Salazar-Vallejo 2013)  
*spinosa* Sluiter, 1883: Bay of Batavia (Jakarta), Java, Indonesia. NHM AN01 1889.6.15.52-36 (redescr. Sendall & Salazar-Vallejo 2013)

**Syllidae Grube, 1850**

*Alcyonosyllis* Glasby & Watson, 2001

- aidae* Álvarez-Campos, San Martín & Aguado, 2013: Luzon, Philippines. NMA 4438, 4439, MNCN 16.01/14693  
*hinterkircheri* Glasby & Aguado, 2009: Bohol, Philippines. NTM 22998, 22999, 23000

*Autolytus* Grube, 1850

- (*Polybostrichus*) *triangulifer* Grube, 1878: Singapore. ZMB (= *Autolytus triangulifer* fide Hartman 1959)

*Bollandia* Glasby, 1994 (preoccupied, *Bollandiella* Glasby & Krell, 2009 repl. name; not a syllid fide Aguado & San Martín 2009)

- antipathicola* Glasby, 1994: Okinawa, Japan. USNM 169157, 169158–65, AM W21804

*Branchiosyllis* Ehlers, 1887

- mayae* Álvarez-Campos, San Martín & Aguado, 2012: Luzon, Philippines. NMA 4435, 4436, MNCN 16.01/13182, 16.01/13183  
*tagalog* Álvarez-Campos, San Martín & Aguado, 2012: Luzon, Philippines. NMA 4437, MNCN 16.01/11625–11626

*Brania* de Quatrefages, 1866

- diaphana* Ding & Westheide, 2008: Hainan, China. SMF 17380–17381

*Dentatisyllis* Perkins, 1981

- hongkongensis* Ding, Licher & Westheide, 1998: Hong Kong. SMF 5581, BMNH 1996:1291  
*mortoni* Ding, Licher & Westheide, 1998: Hong Kong. SMF 5583, SMF 5582, AM W23597, AM W23598, BMNH 1996:1293-1301, FIOQ 1006, LACM-AHF Poly 1859, NSMT Pol.P 359, ZMH P-23434, ZMH P-23435, ZMUC Pol-889

*Erinaceusyllis* San Martín, 2005

- nana* Ding & Westheide, 2008: Hainan, China. SMF 17376–17378

*Eusyllis* Malmgren, 1867

- edenticulata* Pillai, 1965: Dagupan, Luzon, Philippines. RTS 17

*Haplosyllis* Langerhans, 1879

- aciculata* Lattig, Martin & Aguado, 2010: NE Sumba, Indonesia. RNHL 21105, 21106, 21107

- gorgoniicola* Sun & Yang, 2004: Deng qing Island, Xisha Islands, China. IOCAS paratypes w/o number, shelving position IC2 (= *Alcyonosyllis gorgoniicola* fide Lattig & Martin 2009)
- ingensicola* Lattig, Martin & Aguado, 2010: NW Java. RNHL 21103, 21101, 21104
- hainanensis* Sun, 1996: Hainan Island, China. SMF 10855-57 (= *Haplosyllis uncinigera* fide Lattig & Martin 2009)
- nicoleae* Lattig, Martin & Aguado, 2010: Kudingare ng Keke Island, Indonesia. RNHL 21112, 21111, 21114, 21115
- tenhovei* Lattig, Martin & Aguado, 2010: Komodo, Indonesia. RNHL 21099, 21100
- xeniaecola* Hartman-Schröder, 1993: Ternate, Indonesia. SMF4433 (= *Alcyonosyllis xeniaecola* fide Glasby & Watson 2001)
- Lapithas* Kinberg, 1866
- steenstrupi* Kinberg, 1866: Singapore. SMNH 6867
- Megasyllis* San Martín, Aguado & Hutchings, 2008
- chryssyae* San Martín, Aguado & Álvarez-Campos, 2014: Luzon, Philippines. CAS 187469
- Myrianida* Milne-Edwards, 1845
- puladilaw* Álvarez-Campos, San Martín & Piotrowski, 2014: Luzon, Philippines. CAS 185700, MNCN 16.01/14734
- tereseta* Hoagland, 1920: Ticao, Philippines. USNM 18942 (not *Myrianida*; redescr. Nygren 2004)
- Odontosyllis* Claparède, 1863
- arenicolor* Grube, 1878: Bohol, Philippines. MPW 324
- hyalina* Grube, 1878: Singapore, Mindanao, Placer, Philippines. MPW 325, ZMB 1975, 1976
- rubrofasciata* Grube, 1878: Singapore. ZMB
- Opisthosyllis* Langerhans, 1879
- mariae* Aguado, San Martín & ten Hove, 2008: Sulawesi, Indonesia. NML 1985.02, 2038.02
- Parexogone* Mesnil & Caullery, 1918
- lineata* Ding & Westheide, 2008: Huangchu, Xiamen, China. SMF 17386–17389
- Parhaplosyllis* Hartmann-Schröder, 1990
- kumpol* Álvarez-Campos, San Martín & Aguado, 2013: Sombrero Island, Luzon, Philippines. NMA 4441
- Parautolytus* Ehlers, 1900
- luzonensis* Pillai, 1965: Luzon, Philippines. RTS 16, NHM AN03 1965.33.29
- Pionosyllis* Malmgren, 1867
- corallicola* Ding & Westheide, 1997: Hainan Island, China. SMF5337, 5338, FIOQ1003 (= *Westheidesyllis corallicola* fide San Martín *et al.* 2009)
- Platysyllis* Grube, 1878 (indet. fide Fauchald 1977:85)
- semperiana* Grube, 1878: Tatihou (= Talibon?), Philippines. ZMB
- Prosphaerosyllis* San Martín, 1984
- fujianensis* Ding & Westheide, 2008: Xiamen, China. SMF 17398–17401
- hongkongensis* Ding & Westheide, 2008: Cape d'Aguillar, Hong Kong. SMF 17431–17433
- Psammosyllis* Westheide, 1990
- wui* Ding & Westheide, 1997: Meixia, Xinying, Hainan Island, China. SMF 5333, FIOQ 1001
- Sphaerosyllis* Claparède, 1863
- jungei* Ding & Westheide, 2008: Hainan, China. SMF 17407–17410
- qiquani* Ding & Westheide, 2008: Xiamen, China. SMF 17414–17417
- tenuis* Ding & Westheide, 2008: Xiamen, China. SMF 17424–17426
- Streptosyllis* Webster & Benedict, 1884 (key: Faulwetter *et al.* 2008)
- baolingi* Ding & Westheide, 1994: Hainan Island, China. ZMH 22022, USNM 169798
- hainanensis* Ding & Westheide, 1994: Hainan Island, China. ZMH 22024
- Syllides* Örsted, 1845
- sanyaensis* Ding & Westheide, 1997: Sanya, Hainan Island, China. SMF5342, 5343, FIOQ1004
- Syllis* Savigny in Lamarck, 1818
- cerina* Grube, 1878: Bohol, Philippines. MPW 392 (= *Langerhansia cerina* fide Hartman 1959)
- erythropis* Grube, 1878: Panglo, Philippines. MPW 393

- flaccida* Grube, 1878: Aibuhit, Palau and Camiguin, Philippines. MPW 394, ZMB 4395 (= *Opisthosyllis flaccida* fide Aguado et al. 2008)
- (*Haplosyllis*) *aberrans* Fauvel, 1939: Vietnam. MNHN 733 (= *Haplosyllis aberrans* fide Hartman 1959; = *Haplosyllides aberrans* fide Martín et al. 2009)
- komodoensis* Aguado, San Martín & ten Hove, 2008: Komodo, Indonesia. NML V.Pol.5263, NML 5264
- lycochaetus* Grube, 1878: Zamboanga, Philippines. ZMB
- nigrescens* Grube, 1878: Philippines. MPW 397 (= *Typosyllis nigrescens* fide Licher 1999)
- onkylochaeta* Hartmann-Schröder, 1991: Bali, Indonesia? ZMH P20222, ZMH P20223 (described from an aquarium)
- quadrifasciata* Fischli, 1903: Ternate, Indonesia. ZMH
- ramosa* McIntosh, 1885: off Zebu (Cebu), Philippines. NHM AN01 1885.12.1.149-154, AN01 1921.5.1.1194
- singulisetis* Grube, 1878: Ubay, Philippines. MPW 398 (= *Haplosyllis djiboutensis* Gravier, 1900 from the Red Sea fide Hartman 1959)
- solida* Grube, 1878: Singapore. ZMB (= perhaps *Typosyllis exilis* Gravier, 1900 from the Red Sea fide Hartman, 1959)
- umbricolor* Grube, 1878: Bohol, Philippines. MPW 400 (= perhaps *Typosyllis kinbergiana* Haswell, 1886 from Sydney, Australia fide Hartman 1959)
- uncinigera* Grube, 1878: Bohol, Philippines. ZMB 1977 (= *Haplosyllis djiboutensis* Gravier, 1900 from the Red Sea fide Hartman 1959; = *Haplosyllis uncinigera* fide Lattig & Martin, 2009)
- villennai* Aguado, San Martín & ten Hove, 2008: Siboga Sta. 133 (05°56.7' N, 126°25' E), "Indonesia" (coordinates: off Gulf of Davao, Philippines). NML 1985.01
- violaceoflava* Grube, 1878: Bohol, Philippines. ZMB (= *Haplosyllis djiboutensis* Gravier, 1900 from the Red Sea fide Hartman 1959; = *Haplosyllis violaceoflava* fide Lattig & Martin 2009)
- ypsiloides* Aguado, San Martín & ten Hove, 2008: Ambon, Indonesia. ZMA 5265, 5266
- Typosyllis* Langerhans, 1879 (junior synonym of *Syllis* fide Nogueira & San Martín 2002)
- bathyalis* Kirkegaard, 1995: Mindanao Sea, Philippines. ZMUC 38
- silkeae* Licher, 1999: Liu-Chiu-Yu, Taiwan. ASIZ 197, 198
- taiwanensis* Licher, 1999: Liu-Chiu-Yu, Taiwan. ASIZ 195, 196

### **Telothelepodidae Nogueira, Fitzhugh and Hutchings, 2013**

*Rhinothelepus* Hutchings, 1974

- occabus* Hutchings, 1990: E Headland, N of Tolo channel, Hong Kong. AM W201903, W201904, NMW 1986.79.53

### **Terebellidae Johnston, 1846 (restricted by Nogueira et al. 2013; see [www.marinespecies.org/aphia.php?p=taxdetails&id=982](http://www.marinespecies.org/aphia.php?p=taxdetails&id=982))**

*Amphitrite* Müller, 1771

- leptobranchia* Caullery, 1944a: Ceram Sea. NML 1507.1–2
- lobocephalia* Hsieh, 1994: Hsiang Shan, NW Taiwan. ASIZ 7, 8, 15, 17
- robusta sibogae* Caullery, 1944a: Bali Sea. NML 1499.1–2 (= *Neoamphitrite sibogae* fide Hartman 1959)

*Artacama* Malmgren, 1866

- zebuensis* McIntosh, 1885: Zebu (Cebu), Philippines. NHM AN01 1885.12.1.378

*Eupista* McIntosh, 1885 (preoccup., *Eupistella* Chamberlin, 1919 repl. name)

- digitibranchia* Caullery, 1944a: Ceram Sea and nearby localities. NML 1498, 1556, 1589, 1592–3, 1746 (= *Eupistella digitibranchia* fide Hartman 1959)

*Eupolyymnia* Verrill, 1900

- umbonis* Hutchings, 1990: E Tap Mun, Hong Kong. AM W201917

*Lanice* Malmgren, 1866

- arakani* Hissmann, 2000: Arakane, West Mariana Ridge. SMF9800

- auricula* Hutchings, 1990: Kat O, Hong Kong. AM W201929
- fauveli* Caullery, 1944a: Molucca Sea. NML 1511 (preoccupied name, replaced with *Lanice caulleryi* Holthe, 1986)
- triloba* Fischli, 1903: Ternate, Moluccas, Indonesia. ZMH (= *Eupolyornia triloba fide* Hartman 1959)
- wollebaeki* Caullery, 1944a: Manipa, Maluku, Indonesia. NML 1508
- Leprea* Malmgren, 1866
- ceratobranchia* Caullery, 1944a: SW Ruteng. NML 1590
- verrucosa* Caullery, 1944a: Banda Sea. NML 1591.1–2
- Loimia* Malmgren, 1866
- bandera* Hutchings, 1990: SSE Port Island, Hong Kong. AM W201924, W201925–201928, NMW 1986.79.58, USNM 102815
- nigrifilis* Caullery, 1944a: SW Flores Sea. NML 1577.1–7, 1578, 1650
- verrucosa* Caullery, 1944a: Saleyer (Selayar), Indonesia. NML 1546.1–2
- Longicarpus* Hutchings & Murray, 1984
- nodus* Hutchings, 1990: Wong Wan Chau, Hong Kong. AM W201932, 201933–201936, NMW 1986.79.51–1986.79.52
- Neoleprea* Hessle, 1917
- amoyensis* Monro, 1934: Amoy (Xiamen), China. NHM AN02 1933.3.2.41
- Nicolea* Malmgren, 1866
- angustiscutis* Caullery, 1944a: Wunoh Bay, NW coast Waigeu Island, SW corner Papua. NML 1501
- incerta* Caullery, 1944a: Bay of Pidjot (Lombok), Indonesia. NML 1510
- koehleri* Caullery, 1944a: Makassar Strait. NML 1476
- longibranchia* Caullery, 1944a: Savu Sea, SW Flores Sea. NML 1557.1–3
- willeyi* Caullery, 1944a: North Bay, Biaru Island, Papua. NML 1564
- Opisthopista* Caullery, 1944a
- sibogae* Caullery, 1944a: SW Flores Island. NML 1547
- Paralanice* Caullery, 1944a
- timorensis* Caullery, 1944a: Timor Sea. NML 1596 (host of *Labidognathus parasiticus* Caullery, 1914b)
- Pista* Malmgren, 1866
- foliigera* Caullery, 1915b: Flores Sea. NML 1496
- macrolobata* Hessle, 1917: Bonin Island, Japan. UUZM 184a–b
- microlobata* Hessle, 1917: Goto Island, Japan. UUZM 179a–b
- obesisetata* Caullery, 1915b: Ceram Sea. NML 1545
- robustisetata* Caullery, 1915b: Savu Sea. NML 1493
- typha aequibranchia* Caullery, 1944a: Ceram Sea. NML 1594
- Polymnia* Malmgren, 1867 (preoccupied *Eupolyornia* Verrill, 1900 repl. name)
- dubia* Caullery, 1944a: Aru, Maluku, Indonesia. NML 1492.1–2 (= *Eupolyornia dubia fide* Hartman 1959)
- intoshii* Caullery, 1944a: Sulawesi, Celebes Sea. NML 1548.1–4000 (= *Eupolyornia intoshii fide* Hartman 1959)
- marenzelleri* Caullery, 1944a: SW Flores Sea. NML 1533.1–3 (= *Eupolyornia marenzelleri fide* Hartman 1959)
- robusta* Caullery, 1944a: Aru, Maluku, Indonesia. NML 1561.1–2 (perhaps = *Eupolyornia robusta*; junior homonym of *E. robusta* (Annenkova, 1925) fide Hartman 1959)
- Scione* Malmgren, 1866 (= *Axionice* Malmgren, 1866 fide Hartman, 1959)
- albomaculata* Caullery, 1944a: Sawan, Siau Island, Indonesia. NML 1540 (= *Axionice albomaculata fide* Hartman 1959)
- moorei* Caullery, 1944a: Salawati, Indonesia. NML 1482 (= *Axionice moorei fide* Hartman 1959)
- (*Parascione*) *abyssorum* Caullery, 1944a: Banda Sea. NML 1597 (= *Axionice (Parascione) abyssorum fide* Hartman 1959)
- Terebella* Linnaeus, 1767
- annulifilis* Grube, 1878: Lapinig, Philippines. ZMB (= *Loimia annulifilis fide* Caullery 1944a)
- claparedii* Grube, 1878: Talibon, Philippines. MPW 401 (= *Nicolea claparedii fide* Hartman 1959)

*copia* Hutchings, 1990: Starfish Bay, Hong Kong. AM W201918, W201919, NMW 1986.79.54  
*crassifilis* Grube, 1878: Zamboanga, Philippines. ZMB 5635 (= *Loimia crassifilis* fide Caullery 1944a)  
*gracilibranchis* Grube, 1878: Philippines. MPW 403 (= *Nicolea gracilibranchis* fide Hartman 1959)  
*ingens* Grube, 1878: Bohol, Philippines. ZMB 4969 (= *Loimia ingens* fide Caullery 1944a)  
*montagui* Grube, 1878: Lapinig, Philippines. MPW 404 (= *Loimia montagui*)  
*(Pista) typha* Grube, 1878: Bohol, Philippines. ZMB (= *Pista typha* fide Caullery 1915b)  
*punctata* Hessle, 1917: Sagami and Bonin Island, Japan. UUZM 173a–l  
*sarsi* Grube, 1878: Philippines. ZMB

*Thelepides* Gravier, 1911

*malayensis* Caullery, 1944a: S Kota Kupang, Timor. NML 1530

### **Thelepodidae Hessle, 1917 (redef. Nogueira et al. 2013)**

*Neottis* Malmgren, 1866

*gracilis* Kinberg, 1866: Singapore. SMNH 6898 (= *Thelepus gracilis* (Kinberg, 1866) fide Hartman 1959)

*Phenacia* de Quatrefages, 1866 (= *Thelepus* Leuckart, 1849)

*exilis* Grube, 1878: Bohol, Philippines. MPW 332

*leptoplocamus* Grube, 1878: Masalac, Philippines. MPW 333 (= *Thelepus leptoplocamus* fide Hartman 1959)

*parca* Grube, 1878: Bohol, Philippines. MPW 334 (= *Thelepus parcus* fide Hartman 1959)

*paucibranchis* Grube, 1878: Mariveles, Philippines. MPW 335 (= *Thelepus paucibranchis* fide Hartman 1959)

*robusta* Grube, 1878: Masalac, Philippines. MPW 336 (= *Thelepus robustus* fide Hartman 1959)

*Streblosoma* Sars, 1872

*amboinense* Caullery, 1944a: Ambon, Indonesia. NML 1785.1–2

*duplicata* Hutchings, 1990: Chek Chau, Hong Kong. AM W201914

*gracile* Caullery, 1944a: Sulu Sea. NML 1766, 1768

*longiremisa* Caullery, 1915a: Savu Sea. NML 1783

*quadridentatum* Caullery, 1944a: Makassar, Indonesia. NML 1784.1–2

*Thelepus* Leuckart, 1849

*abyssorum* Caullery, 1944a: Savu Sea. NML 1762, 1763

*angustitoris* Caullery, 1944a: E Tual, Indonesia. NML 1758, 1767

*binakayensis* Pillai, 1965: Binakayan, Cavite, Philippines. RTS 24, NHM AN03.1965.33.46-47

*dubius* Caullery, 1944a: E Sulawesi, Indonesia. NML 1760, 1764

*microbranchiatus* Caullery, 1944a: Molucca Sea. NML 1759, 1761, 1786

*opimus* Hutchings, 1990: Peng Chau, Mirs Bay, Hong Kong. AM W201916

*pulvinus* Hutchings, 1990: Cox Head Rock, Hong Kong. AM W201895, W201896–201902, USNM 102814, NMW 1986.79.57, NHM PO01 1987.577

*taamensis* Caullery, 1944a: SW Pulau Walir, Indonesia. NML 1757

### **Trichobranchidae Malmgren, 1866**

*Terebellides* Sars, 1835

*intoshii* Caullery, 1915d: Halmahera Sea. NML 1497, 1506, 1513, 1544, 1549, 1595

*jorgeni* Hutchings, 2007: S Bali. ZMUC 1840, 1841

*sieboldi* Kinberg, 1867: Bangka Strait, Indonesia. SMNH 6879–6881

*ypsilon* Grube, 1878: Bohol, Philippines. MPW 409, ZMB 1539

### **Trochochaetidae Pettibone, 1963**

*Trochochaeta* Levinsen, 1884

*diverapoda* (Hoagland, 1920): Taratara, Philippines. USNM (redescr. Pettibone 1976b, Mackie 1990a)

## Discussion

The study area's northern boundary includes a stronger thermal gradient, but there are warm-water communities along the southern Japanese islands, because there are two warm water currents: Tsushima and Kuroshio, which explain a northern expansion of the tropical biota (Fujikura *et al.* 2010). The southern delimitation for this region might seem more arbitrary because there is a thermal and biological continuity as indicated by the so-called Coral Triangle extending beyond the region for this checklist (Veron *et al.* 2009, 2011). Therefore, defining the northern warm water limit would be problematic but we are excluding the Yellow Sea (Jin *et al.* 2003), and used the 25° C isotherm (Liu 2013), setting an imaginary borderline running from Shanghai, China to Jeju Island, and then to Tsushima islands, Japan. This includes the whole island of Kyushu, but leaves out Shikoku, the southern coast of Honshu, and the Inland Sea, including Sagami Bay which contains some warm-water species (Jensen 2007). The distribution of type localities indicates that the Philippine Sea is poorly known in comparison to the China Sea: this is explained because of historical differences but especially because the China Sea is shallower and closer to important and traditional research centres.

One might think that by comparing organisms from different regions, apparently belonging to the same species, once some morphological different features were noticed, their widespread distribution could be rejected. This was not the case. Some of the observed differences were disregarded as diagnostic (Gravier 1906; cf. Koh & Bhaud 2001), concluding that there were many species present in different localities, and this idea became widely accepted. Although important progress has been made dealing with benthic species, pelagic polychaetes are still poorly understood; for example, the synopsis by Dales & Peter (1972) includes some 80 valid species names with 44 restricted to a single ocean basin, but 36 have been recorded from two or three oceans. Støp-Bowitz (1984) identified some problems with diagnostic features for some pelagic species, but he did not analyze their distribution patterns, which might be difficult to explain, especially in pantropical species.

We think that sometimes our predecessors had rather wide delineations for morpho-species, and might have lumped some variations of diagnostic features under the same species name. Consequently, we now have to track the different records or species group names, especially if they were regarded as junior synonyms, in order to clarify the faunistic composition of the regional benthic communities. This is not an easy task, and we know it takes a large effort to clarify even some of the smaller families. However, we hope this compilation can encourage regional colleagues to move in this direction and improve our knowledge of the polychaetes of this region, which is the richest one in species in several groups of marine organisms. At the same time, we agree that some polychaete species could have been dispersed as biofoulers, in ballast water, or associated with Japanese giant oysters, and that this is especially well documented for serpulids (Zibrowius 1971, 1978, 1979, Zibrowius & Thorp 1989, Çinar 2013). Further, it has been shown that some species are capable of very long distance dispersion (Lessios & Robertson 2006, Vogler *et al.* 2013), but we think this capacity is only present in a very low number of species, in comparison with the whole regional faunas. There are few studies on polychaete species and they show that an earlier perspective for widely distributed taxa (Bhaud 1982, 1984) was modified into more restricted distributions (Bhaud & Fernández-Alamo 2001), and that cosmopolitan species are very rare (Hartley 1984, Williams 1984, Salazar-Vallejo 2003).

Regional checklists typically combine species described from this biogeographic region itself, together with others described from elsewhere, but reported for the region (Salazar-Vallejo 1996, Dean 2012). Further, these lists rarely evaluate the quality of the records to indicate if some of them are questionable, because type localities are ecologically different, stem from ecological rather than taxonomic papers, or because they reflect the taxonomic guides available (Salazar-Vallejo & Londoño-Mesa 2004). Another issue making it difficult to compare this compilation of species described from the China and Philippine Seas to other ones available is that family delineations were modified recently.

Widely distributed species usually have historically been over-represented among regional faunas. For instance, Imajima & Hartman (1964:384) indicated that of 467 species, 158 (33.8%) were “known from areas outside the Pacific Ocean”; whereas for the Philippines (Palpal-latoc 2001) it was indicated that 100 out of 433 species (23.1%) were described from extra-tropical localities. What would these 100 or 158 recorded species be? They could represent undescribed species, or belong to regional described species that have been regarded as junior synonyms. For example, Constantin Dawydoff had a good idea about archiannelids, having described a regional species early in his scientific life (Dawydoff 1905); for a later work (Dawydoff 1952) he reported seven

Vietnamese species, but he regarded five of them as identical to Mediterranean forms. The only means to solve this type of problems is to make standardized comparisons with type or topotype materials, and to evaluate variation (Fauchald 1984). We hope this compilation encourages this type of taxonomic study.

Another interesting feature would be the few holopelagic species described from the region. However, this is not an indication of an impoverished fauna. It rather points out to the fact that most expeditions focusing on pelagic organisms were made along the Atlantic Ocean (including the Mediterranean Sea), and the Antarctic region (Dales 1957). The pelagic polychaete species from the China and Philippine seas might resemble those present in other oceans, but they could differ and, as has been the case for benthic species, regional names have been regarded as junior synonyms. Consequently, the apparent poverty of pelagic species is an artifact that could be explained by the influence of previous workers, after disregarding some diagnostic differences, who preferred to use Atlantic or Mediterranean names instead of regional ones.

On the contrary, some families like myzostomids or nereidids have a high species richness. The former is a consequence of the high species richness of echinoderms, their typical hosts, whereas for the latter, they could indicate a higher sampling effort, together with the fact that the regional environmental heterogeneity explains the high diversity and speciation noticed in other groups (Landry *et al.* 2003). The family Nereididae has the highest number of species (124), and Polynoidae was second in species richness (90), and this abundance is also found in some other tropical environments.

Many of the taxonomic problems in the region could be solved by re-establishing species names currently regarded as junior synonyms, once the type or topotype materials are analyzed. Our hope is that the present list may prove useful for such a major reassessment of this unique fauna and that it may encourage regional colleagues to expand our global knowledge of the polychaete diversity in the region, a region which may very well harbor the highest polychaete diversity on Earth.

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