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Status of polychaete (Annelida) taxonomy in Indonesia, including a checklist of Indonesian species

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Abstract. Despite some past remarkable marine expeditions in the seas surrounding the Indo-Malay Archipelago, a checklist of Indonesian polychaete species has never been published to date. In this paper, an inventory of species was created based mainly on existing published literature. All records of Indonesian polychaetes were mapped, and this indicated a preponderance of deep-sea records in the Wallacea region, which were primarily collected by the Dutch Siboga Expedition at the turn of the 19th century. Most biodiversity studies on the fauna by local scientists have been ecological in nature and conducted in shallow water. Many specimens were not identified to species level and not vouchered in a recognised institution. Since the mid 1700s, 580 valid polychaete species (51 families) have been identified by 37 first authors in 90 taxonomic publications. Of these species, 301 species (40 families) were new to science and mostly described by R. Horst and M. Caullery. An additional 133 polychaete species and four polychaete families are also known from the species records of the Global Biodiversity Information Facility and the Ocean Biogeographic Information System. Altogether, there have been 713 polychaete species (55 families) identified from Indonesian waters. We examined the three largest polychaete repositories in Indonesia – the Museum Zoologicum Bogoriense in Bogor, Research Center for Deep Sea in Ambon, and Research Center for Oceanography in Jakarta – and found that the collections at each institution were mostly unidentified, unpublished, and not databased, suggesting that the taxonomic study of the polychaete fauna, at least locally, has been largely overlooked. Despite some challenges, international collaborative research may be the solution to improve the knowledge of the polychaete fauna of this species-rich, yet poorly known geographic region.

Key words. Coral Triangle, Indonesia, Polychaeta, species inventory

INTRODUCTION

In some parts of the world, the ubiquitous, largely marine polychaetes (Annelida) remain poorly studied. The Indo-Malay Archipelago, and especially its most populous nation, Indonesia, is one of them. Despite its exceptional marine biodiversity – the country is part of the Coral Triangle, has about 17,500 islands and coastline in excess of over 80,000 km (Tomascik et al., 1997) straddling two continental shelves (Sunda and Sahul) including Wallacea – little attention has been paid to this ecologically important group of invertebrates in Indonesia (Glasby & Al-Hakim, 2017).

The initial study on Indonesian polychaetes probably dates back to Rumphius (1627–1702), a prominent German naturalist who was based in Ambon, Province of Maluku, as an agent for the Dutch United East Indian Company. During his stay on the island, Rumphius (1705) observed wawo worms, i.e., the local name for the annually swarming palolo polychaetes (Pamungkas, 2011). One wawo species was described by Horst (1902) as *Lysidice oele* (Eunicidae). More than three centuries after Rumphius' initial observations, a more complete estimate of the species composition of the swarming animals was provided by Martens et al. (1995), Pamungkas (2015a), and Pamungkas & Glasby (2015).

Historically, the Siboga Expedition (1899–1900) was the most remarkable marine expedition in Indonesian waters conducted to date. The expedition yielded most of the total number of Indonesian polychaete specimens archived in museums today. Subsequent taxonomic publications on the material indicate that none of the specimens can be found at the Museum Zoologicum Bogoriense (MZB), i.e., the only internationally accredited zoological museum of the country established in 1894, five years prior to the start of the Expedition. Bleeker & van der Spoel (1992) did not indicate any Indonesian repository in their catalogue of Siboga polychaetes. Rather, it appears that all of the specimens were returned to the Netherlands and deposited in museums in Amsterdam and Leiden. Now they mostly reside at the Naturalis Biodiversity Center (NBC), Leiden, after the Zoological Museum Amsterdam collections were subsumed into the NBC.

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The polychaete specimens collected during the Siboga Expedition have been studied by a number of polychaete workers across the globe, past and present (Glasby & Al-Hakim, 2017). The Errantia groups, for instance, were studied by Horst (1902, 1903, 1910, 1911, 1912, 1913, 1915, 1916a, b, c, 1917, 1918b, 1919b, 1921, 1924), Pettibone (1970, 1971), Hutchings & McRae (1993), and Aguado et al. (2008), whereas the Sedentaria groups were investigated by Caullery (1914c, 1915a, b, c, d, 1944a, b), Mesnil & Fauvel (1939) and Southward (1961). Further, Glasby & Al-Hakim (2017) listed all marine expeditions and fieldwork that collected polychaete materials from the Indo-Malay-Philippines Archipelago and surrounding seas. They found that most of the polychaete material was subsequently scattered across many different natural history museums of the world, and that most are still undetermined. It is thus not surprising that the Indonesian polychaete fauna remains poorly known. In the present study, we provide the first step toward an improved knowledge of the fauna: an inventory of Indonesian polychaete species, accompanied by biodiversity statistics, and identification of repositories as well as a list of relevant literature and associated datasets.

MATERIAL AND METHODS

Taxonomic and geographic scope. The primary taxonomic units used in the present study were valid species, genera and families as currently indicated in the World Register of Marine Species (WoRMS). Subspecies were elevated to species level. The traditional concept of polychaetes was used as currently adopted in WoRMS, i.e., a non-monophyletic taxon within the phylum Annelida, excluding aphanoneurans (Aeolosomatidae and Potamodrilidae), clitellates, sipunculans, and myzostomids, but including echiurans and siboglinids (previously known as Pogonophora and Vestimentifera). Freshwater polychaetes are also included in this study, although only a few species are known from the Indonesian region (Glasby & Timm, 2008). The geographic scope of this study was Indonesia, including all coastal and offshore waters in its jurisdiction. The country is situated between 6°N and 11°S, and between 95°E and 141°E. It includes the biogeographical entity, Wallacea, lying between the Sunda Shelf to the west and the Sahul Shelf to the east.

Data collection. Polychaete data were mainly garnered from the published literature, including both taxonomic and ecological publications, containing lists of polychaete species collected from Indonesian waters up until December 2018 known to both authors. In addition, polychaete data in the Global Biodiversity Information Facility (GBIF) and the Ocean Biogeographic Information System (OBIS), downloaded on 26 December 2018, were also included after selection in R version 3.5.3 (Tables S1, 2, 3). In order to standardise taxonomic accuracy, species names listed in ecological publications were only taken into account if they were associated with voucher specimens and/or a polychaete taxonomist was known to be involved. Species identified to morphospecies (e.g., *Nereis* sp. A) were not included, unless they represented the only current record of the genus in which case their inclusion was considered useful for the added information at the genus level without unduly inflating species numbers. In order to visualise the areas where biodiversity studies on the fauna have been conducted, all polychaete records with coordinates were mapped using ArcGIS version 10.6.1 (records without coordinates were given approximate coordinates based on their detailed localities provided).

Repository visits. In order to properly assess the Indonesian polychaete collections, visits to each repository was necessary as their collection data are not currently online. The Research Center for Deep Sea (RCDS) and MZB – the latter one is managed by the Research Center for Biology (RCB) – were visited by the author JP in November 2017 and February 2018, respectively, whereas a visit to the Research Center for Oceanography (RCO) was carried out by the author CG in 2005. An information update about the polychaete collection at the RCO was given by Hadiyanto through personal communication on 16 January 2019. Acronyms of institutional repositories housing Indonesian polychaete collections are listed in Table 1.

RESULTS

Biodiversity studies. Most of Indonesian polychaete species were collected from offshore and deep-sea (more than 200 m deep) environments around Wallacea (Fig. 1) by overseas voyages, notably the Siboga Expedition (Table 2). The polychaete materials obtained from these studies were deposited at overseas museums, largely at the NBC (Table 2). Over the last ~ 2.5 centuries, there have been 90 taxonomic publications on Indonesian polychaetes by 37 first authors. The first taxonomic publication on an Indonesian polychaete was probably the description of *Amphinome rostrata* (Amphinomidae) by Pallas (1766), although the pre-Linnaean publication of Seba (1734: plate 81) shows another amphinomid (unidentifiable) from Ambon (see Read, 2019). Pallas' specimen upon which the description was based was thought to have been also collected in Ambon by a Dutch physician and naturalist Dr. van Hoey, but now appears to have been lost (Glasby & Al-Hakim, 2017). Thereafter, there were no publications until the mid 1800s. The number of publications on Indonesian polychaetes then generally increased from 1 to 20 publications annually between the 1850s and 1910s, dropped to two publications in the 1980s despite some fluctuations, then increased again to 7–9 publications per annum in the last three decades. Until the end of the 1900s, the publications were solely made by overseas scientists (mostly European taxonomists) without the involvement of local scientists. The contribution of local scientists to polychaete identification of the country was relatively minor (i.e., about 70 species identified, two of which were new to science) and did not occur until early this century (Fig. 2).

Studies on Indonesian polychaete fauna by local scientists were mostly ecological in nature and have yielded numerous specimens. The fauna was typically collected from various

Table 1. Acronym of institutional repositories housing Indonesian polychaete collections; institutions in Indonesia in bold.

Acronym	Institution	City	Country
AMS	Australian Museum	Sydney	Australia
BMNH	British Museum of Natural History	London	England
MNHM	Muséum National d'Histoire Naturelle	Paris	France
MZB	**Museum Zoologicum Bogoriense**	**Bogor**	**Indonesia**
NBC	Naturalis Biodiversity Center	Leiden	Netherlands
NRS	Naturhistoriska Riskmuseet Stockholm	Stockholm	Sweden
NTM	Northern Territory Museum	Darwin	Australia
RCB	**Research Center for Biology**	**Bogor**	**Indonesia**
RCDS	**Research Center for Deep Sea**	**Ambon**	**Indonesia**
RCO	**Research Center for Oceanography**	**Jakarta**	**Indonesia**
SMF	Naturmuseum und Forschunginstitut, Senckenberg	Frankfurt am Main	Germany
UCLA	University of California, Los Angeles	Los Angeles	USA
UPMSI	University of the Philippines Marine Science Institute	Quezon City	Philippines
USNM	United States National Museum	Washington, D.C.	USA
WAM	Western Australian Museum	Perth	Australia
ZMB	Museum für Naturkunde	Berlin	Germany
ZMH	Zoological Museum Hamburg	Hamburg	Germany
ZMUC	Zoological Museum, University of Copenhagen	Copenhagen	Denmark
ZRC	Zoological Reference Collection	Singapore	Singapore

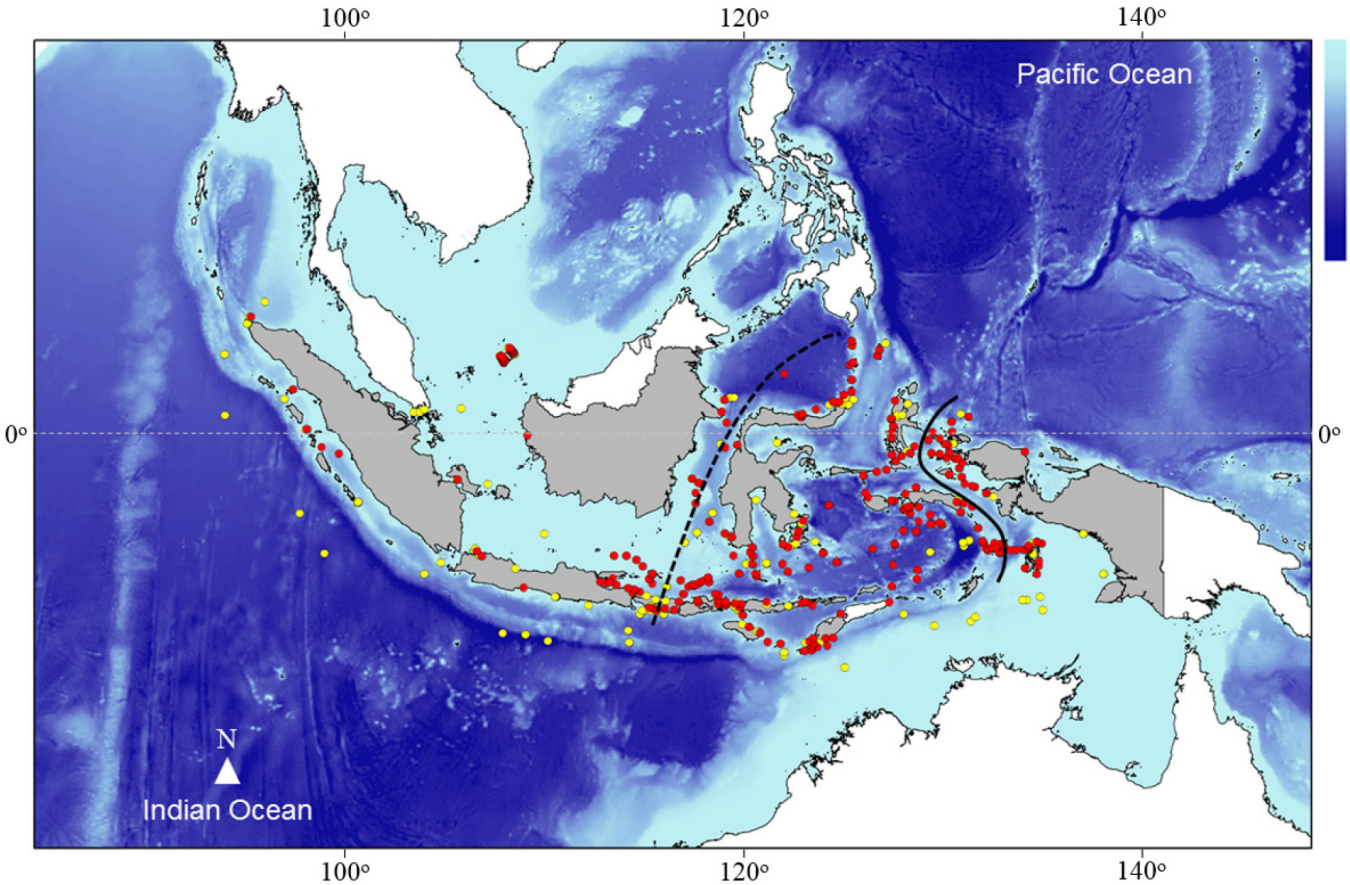

Fig. 1. Map of Indonesian polychaete records (scale 1:30,000,000). Red circles represent records from taxonomic publications, whereas yellow circles represent records from both GBIF/ OBIS and ecological publications. Black dash and solid lines are Wallace's and Lydekker's Lines, respectively. The upper (light blue) and bottom (dark blue) bathymetric scales represent depths < 100m and >8,000 m, respectively.

Table 2. List of Indonesian polychaete species garnered from both taxonomic literature and GBIF/ OBIS datasets. The symbol '*' indicates that the species was originally described from Indonesian waters. Capital and small letters in Expedition/ collector column indicate expedition and collector names, respectively. The symbol '–' indicates either no information provided, or difficulty to obtain the information as the literature is not in English.

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Acoetidae	*Acoetes melanonota*	(Grube, 1876)	LIMNOLOGISCHE SUNDA & Merton	ZMB?	Ehlers (1918); Pflugfelder (1932)
Acoetidae	*Eupolyodontes amboinensis* *	Malaquin & Dehorne, 1907	SIBOGA & SWISS	NBC	Horst (1917); Malaquin & Dehorne (1907)
Acoetidae	*Panthalis nigromaculata*	Grube, 1878	SIBOGA	NBC	Horst (1917)
Acoetidae	*Polyodontes atromarginatus* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Acoetidae	*Polyodontes sibogae* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Acoetidae	*Polyodontes tidemani* *	Pflugfelder, 1932	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1932)
Acoetidae	*Polyodontes jolli* *	Pettibone, 1989	L. M. Joll	WAM	Pettibone (1989)
Alciopidae	*Plotohelmis sumatransis*	Peter, 1973	–	Centre for Marine Living Resources and Ecology (India)?	GBIF/ OBIS datasets
Ampharetidae	*Amage auricula sibogae* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	Amage madurensis *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Ampharete macrobranchia* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Amphicteis gunneri*	(M. Sars, 1835)	–	–	GBIF/ OBIS datasets
Ampharetidae	*Amphicteis malayensis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Amphicteis quadridentata* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Amphicteis sibogae* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Amphicteis theeli* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Auchenoplax crinita*	Ehlers, 1887	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Ampharetidae	*Eclysippe* sp.	–	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Ampharetidae	*Isolda pulchella*	Müller in Grube, 1858	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	Lysippe caeca	(Holthe, 2000)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Ampharetidae	*Melinna malmgreni* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Paramphicteis angustifolia*	(Grube, 1878)	SIBOGA	NBC	Caullery (1944a)

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Ampharetidae	*Paramphicteis weberi* *	(Caullery, 1944)	ANAMBAS & SIBOGA	MZB, NBC, NTM & ZRC	Al-Hakim & Glasby (2004); Caullery (1944a);
Ampharetidae	*Pavelius* sp.	–	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Ampharetidae	*Phyllocomus balinensis*	Holthe, 2000	GALATHEA	ZMUC	GBIF/ OBIS datasets
Ampharetidae	*Samytha hesslei* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Samytha heterobranchia* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Sosane fauveli* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	*Sosane malayensis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Ampharetidae	Sosane wireni	(Hessle, 1917)	SIBOGA	NBC	Caullery (1944a)
Amphinomidae	*Amphinome jukesi*	Baird, 1868	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Amphinome nigrobranchiata* *	Horst, 1912	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Amphinome rostrata* *	(Pallas, 1766)	P. A. Ouwens & van Hoey	MZB	Augener (1933c); Pallas (1766)
Amphinomidae	*Bathychloeia sibogae* *	Horst, 1910	SIBOGA	NBC	Horst (1910, 1912)
Amphinomidae	*Benthoscolex coecus* *	Horst, 1912	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Chloeia amphora* *	Horst, 1910	SIBOGA	NBC	Horst (1910, 1912)
Amphinomidae	*Chloeia conspicua* *	Horst, 1910	SIBOGA	NBC	Horst (1910, 1912)
Amphinomidae	*Chloeia flava*	(Pallas, 1766)	Merton, SIBOGA, S. M. S. GAZELLE & T. van Patot	MZB, NBC & ZMB?	Augener (1933c); Ehlers (1918); Grube (1877); Horst (1912)
Amphinomidae	*Chloeia flava pulchella*	Baird, 1868	SIBOGA	NBC	Horst (1912)
Amphinomidae	Chloeia fusca *	McIntosh, 1885	H. M. S. CHALLENGER & SIBOGA	BMNH & NBC	Horst (1912); McIntosh (1885)
Amphinomidae	*Chloeia nuda* *	Quatrefages, 1866	–	MNHM?	Quatrefages (1866b)
Amphinomidae	*Chloeia parva*	Baird, 1868	SIBOGA	MZB & NBC	Augener (1933c); Horst (1912)
Amphinomidae	*Chloeia violacea* *	Horst, 1910	ANAMBAS & SIBOGA	MZB, NTM & ZRC	Al-Hakim & Glasby (2004); Horst (1910, 1912)
Amphinomidae	*Cryptonome parvecarunculata* *	(Horst, 1912)	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Eurythoe complanata*	(Pallas, 1766)	J. Verwey, P. A. Ouwens & SIBOGA	MZB & NBC	Augener (1933c); Horst (1912)

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Amphinomidae	*Eurythoe dubia* *	Horst, 1912	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Hermodice carunculata*	(Pallas, 1766)	B. Glavic	–	GBIF/ OBIS datasets
Amphinomidae	*Linopherus acarunculatus*	(Monro, 1937)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Amphinomidae	*Linopherus oculifera*	(Augener, 1913)	L. Colinvaux	USNM	GBIF/ OBIS datasets
Amphinomidae	Linopherus oligobranchia	(Wu, Shen & Chen, 1975)	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Amphinomidae	*Notopygos* cf. *rayneri*	(Baird, 1868)	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Notopygos cirratus* *	Horst, 1911	SIBOGA	NBC	Horst (1911, 1912)
Amphinomidae	*Notopygos crinita*	Grube, 1855	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Notopygos gigas* *	Horst, 1911	SIBOGA	NBC	Horst (1911, 1912)
Amphinomidae	*Notopygos variabilis*	Potts, 1909	J. M. Martens et al.	ZMH	Martens et al. (1995)
Amphinomidae	*Parachloeia marmorata* *	Horst, 1912	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Paramphinome indica*	Fauvel, 1932	GALATHEA	ZMUC	GBIF/ OBIS datasets
Amphinomidae	*Pareurythoe* cf. *chilensis*	(Kinberg, 1867)	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Pherecardia striata*	(Kinberg, 1857)	J. Verwey, SIBOGA, SWISS & W. Kükenthal	NBC	Augener (1933c); Fischli (1903); Horst (1912); Malaquin & Dehorne (1907)
Amphinomidae	Pherecardites parva *	Horst, 1912	SIBOGA	NBC	Horst (1912)
Amphinomidae	*Sangiria hystrix* *	Horst, 1911	SIBOGA	NBC	Horst (1911, 1912)
Aphroditidae	*Aphrodita aphroditoides*	(McIntosh, 1885)	SIBOGA	NBC	Horst (1917)
Aphroditidae	*Aphrodita decipiens* *	Horst, 1916	SIBOGA	NBC	Horst (1916c, 1917); Hutchings & McRae (1993)
Aphroditidae	*Aphrodita floresiana* *	(Horst, 1916)	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Aphrodita limosa* *	(Horst, 1916)	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Aphrodita malayana* *	(Horst, 1916)	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Aphrodita sibogae* *	(Horst, 1916)	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Aphrodita sondaica*	Grube, 1875	A. Grube	USNM	GBIF/ OBIS datasets

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Aphroditidae	*Aphrogenia nigropunctata* *	Horst, 1916	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	Aphrogenia villosa *	Horst, 1916	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Hermonia* cf. *malleata*	(Grube, 1875)	SIBOGA	NBC	Horst (1917)
Aphroditidae	*Laetmonice arenifera* *	Horst, 1916	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Laetmonice batheia* *	Horst, 1916	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Laetmonice brachyceras*	(Haswell, 1883)	SIBOGA	NBC	Horst (1916a, 1917)
Aphroditidae	*Laetmonice brevihastata* *	(Ehlers, 1918)	Merton	–	Ehlers (1918)
Aphroditidae	*Laetmonice conchifera* *	(Horst, 1916)	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Laetmonice dubiosa* *	Horst, 1916	SIBOGA	NBC	Horst (1916a, 1917)
Aphroditidae	*Laetmonice malayana* *	Horst, 1916	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Laetmonice moluccana* *	(Horst, 1916)	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	Laetmonice parva *	(Horst, 1916)	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Laetmonice rugosa* *	Horst, 1916	SIBOGA	NBC	Horst (1916b, 1917); Hutchings & McRae (1993)
Aphroditidae	*Laetmonice viridescens* *	Horst, 1917	SIBOGA	NBC	Horst (1917); Hutchings & McRae (1993)
Aphroditidae	*Pontogenia macleari*	(Haswell, 1883)	SIBOGA	NBC	Horst (1917); Hutchings & McRae (1993)
Aphroditidae	*Pontogenia spinosa* *	Horst, 1917	SIBOGA	NBC	Horst (1917); Hutchings & McRae (1993)
Aphroditidae	*Pontogenia villosa* *	Horst, 1917	SIBOGA	NBC	Horst (1917); Hutchings & McRae (1993)
Aphroditidae	*Laetmonice producta*	Grube, 1877	SIBOGA	NBC	Horst (1916b)
Arenicolidae	*Branchiomaldane vincenti*	Langerhans, 1881	L. Colinvaux	USNM	GBIF/ OBIS datasets

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Bonelliidae	*Bonellia pumicea* *	Sluiter, 1891	SIBOGA	NBC?	Sluiter (1891, 1902)
Bonelliidae	*Bruunellia bandae*	Zenkevitch, 1966	GALATHEA	ZMUC	GBIF/ OBIS datasets
Bonelliidae	Ikedella bogorovi	Zenkevitch, 1964	–	–	GBIF/ OBIS datasets
Bonelliidae	*Sluiterina sibogae* *	(Sluiter, 1902)	SIBOGA	NBC?	Sluiter (1902)
Capitellidae	*Capitella ambonensis* *	Pamungkas, 2017	J. Pamungkas	MZB & RCDS	Pamungkas (2017)
Capitellidae	*Capitella singularis*	(Fauvel, 1932)	T. G. Pillai	BMNH?	Pillai (1965)
Capitellidae	*Dasybranchus caducus*	(Grube, 1846)	Merton & SIBOGA	NBC	Ehlers (1918); Mesnil & Fauvel (1939)
Capitellidae	*Leiochrus alutaceus* *	Ehlers, 1908	DEUTSCHE TIEFSEE	SMF?	Ehlers (1908)
Capitellidae	*Mediomastus warrenae*	Green, 2002	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Capitellidae	*Notomastus* cf. *latericeus*	M. Sars, 1851	ANAMBAS & SIBOGA	MZB, NBC, NTM & ZRC	Al-Hakim & Glasby (2004); Mesnil & Fauvel (1939)
Capitellidae	*Notomastus hemipodus*	Hartman, 1945	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Capitellidae	*Polymastigos javaensis* *	Pamungkas, 2015b	J. Pamungkas	MZB	Pamungkas (2015b)
Capitellidae	Promastobranchus orbiculatus	Green, 2002	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Chaetopteridae	*Chaetopterus variopedatus*	(Renier, 1804)	SIBOGA	NBC	Caullery (1944a)
Chaetopteridae	*Mesochaetopterus malayensis* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Chaetopteridae	*Phyllochaetopterus claparedii*	McIntosh, 1885	SIBOGA	NBC	Caullery (1944a)
Chaetopteridae	*Phyllochaetopterus sibogae* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Chaetopteridae	*Chaetopterus cautus*	Marenzeller, 1879	SIBOGA	NBC	Caullery (1944a)
Chrysopetalidae	*Arichlidon hanneloreae*	Watson Russell, 1998	–	MAGNT	GBIF/ OBIS datasets
Chrysopetalidae	*Bhawania amboinensis* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Chrysopetalidae	*Bhawania cryptocephala*	Gravier, 1901	SIBOGA	NBC	Horst (1917)
Chrysopetalidae	*Bhawania goodei*	Webster, 1884	–	–	GBIF/ OBIS datasets
Chrysopetalidae	Bhawania pottsiana *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Chrysopetalidae	*Bhawania riveti*	(Gravier, 1908)	–	–	GBIF/ OBIS datasets
Chrysopetalidae	*Treptopale paromolos*	Watson, 2010	–	MAGNT	GBIF/ OBIS datasets

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Cirratulidae	*Aphelochaeta multifilis*	(Moore, 1909)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Cirratulidae	*Chaetozone* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Cirratulidae	*Cirratulus annamensis*	Gallardo, 1968	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Cirratulidae	*Cirriformia afer*	(Ehlers, 1908)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Cirratulidae	*Dodecaceria fistulicola*	Ehlers, 1901	SIBOGA	NBC	Mesnil & Fauvel (1939)
Cirratulidae	*Dodecaceria joubini*	Gravier, 1905	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Cirratulidae	*Monticellina* sp.1	–	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Cirratulidae	*Monticellina* sp.2	–	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Cirratulidae	*Protocirrineris chrysoderma*	(Claparède, 1868)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Cirratulidae	*Tharyx* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Cirratulidae	*Timarete anchylochaeta*	(Schmarda, 1861)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Cossuridae	*Cossura dimorpha*	(Hartman, 1976)	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Dorvilleidae	*Dorvillea bioculata*	(Grube, 1856)	Merton	–	Ehlers (1918)
Dorvilleidae	*Protodorvillea biarticulata*	Day, 1963	–	–	GBIF/ OBIS datasets
Eulepethidae	*Pareulepis malayana* *	(Horst, 1913)	ANAMBAS & SIBOGA	NBC & NTM	Al-Hakim & Glasby (2004); Horst (1913, 1917)
Eunicidae	*Eunice afra*	Peters, 1854	H. Singou & J. Rosewater	USNM	GBIF/ OBIS datasets
Eunicidae	*Eunice aphroditois*	(Pallas, 1788)	Vorster	MZB	Augener (1933c)
Eunicidae	Eunice australis	Quatrefages, 1866	–	MZB	Augener (1933c)
Eunicidae	*Eunice coccinea*	Grube, 1878	Vorster	MZB	Augener (1933c)
Eunicidae	*Eunice complanata* *	Grube, 1877	S. M. S. GAZELLE	ZMB?	Grube (1877)
Eunicidae	*Eunice dilatata* *	Grube, 1877	S. M. S. GAZELLE	ZMB?	Grube (1877)
Eunicidae	*Eunice filamentosa*	Grube & Örsted in Grube, 1856	J. Rosewater	USNM	GBIF/ OBIS datasets
Eunicidae	*Eunice indica* *	Kinberg, 1865	ANAMBAS & EUGENIE	MZB, NRS & NTM	Al-Hakim & Glasby (2004); Kinberg (1865a)
Eunicidae	*Eunice laticeps*	Ehlers, 1868	Verngren	NRM	GBIF/ OBIS datasets
Eunicidae	*Eunice margariticacea*	Fischli, 1900	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)

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Eunicidae	*Eunice marianae*	Hartmann-Schröder in Hartmann-Schröder & Zibrowius, 1998	U. S. FISH COMMISSION	USNM	GBIF/ OBIS datasets
Eunicidae	*Eunice metatropos*	Hanley, 1986	–	MAGNT	GBIF/ OBIS datasets
Eunicidae	Eunice microprion	Marenzeller, 1879	U. S. FISH COMMISSION	USNM	GBIF/ OBIS datasets
Eunicidae	*Eunice pennata*	(Müller, 1776)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Eunicidae	*Eunice schemacephala*	Schmarda, 1861	A. Humes	USNM	GBIF/ OBIS datasets
Eunicidae	*Eunice vittata*	(Delle Chiaje, 1828)	GALATHEA	MAGNT & ZMUC	GBIF/ OBIS datasets
Eunicidae	*Euniphysa aculeata*	Wesenberg-Lund, 1949	SIBOGA	NBC	Pettibone (1970)
Eunicidae	*Leodice antennata*	Savigny in Lamarck, 1818	Merton, S. M. S. GAZELLE & Vorster	MZB & ZMB?	Augener (1933c); Ehlers (1918); Grube (1877)
Eunicidae	*Lysidice collaris*	Grube, 1870	–	USNM	GBIF/ OBIS datasets
Eunicidae	*Lysidice kuekenthali*	Fischli, 1900	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Eunicidae	*Lysidice oele* *	Horst, 1902	J. M. Martens et al., J. Pamungkas et al. & SIBOGA	MZB, RCDS & ZMH	Horst (1902); Martens et al. (1995); Pamungkas (2015a)
Eunicidae	*Lysidice unicornis*	(Grube, 1840)	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Eunicidae	Marphysa mossambica	(Peters, 1854)	–	AM	GBIF/ OBIS datasets
Eunicidae	*Marphysa soembaensis* *	Augener, 1933	van de Sande	MZB	Augener (1933c)
Eunicidae	*Nicidion cariboea*	(Grube, 1856)	L. Colinvaux	USNM	GBIF/ OBIS datasets
Eunicidae	*Palola siciliensis*	Grube, 1840	Merton	–	Ehlers (1918)
Eunicidae	*Palola viridis*	Gray in Stair, 1847	J. M. Martens et al.	ZMH	Martens et al. (1995)
Euphrosinidae	*Euphrosine affinis* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	*Euphrosine globosa* *	Horst, 1912	SIBOGA	NBC	Horst (1912)
Euphrosinidae	*Euphrosine hystrix* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	*Euphrosine laureata*	Savigny in Lamarck, 1818	SIBOGA	NBC	Horst (1912)
Euphrosinidae	*Euphrosine longesetosa* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	Euphrosine maculata *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	*Euphrosine mucosa* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)

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Euphrosinidae	*Euphrosine obiensis* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	*Euphrosine pelagica* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	*Euphrosine pilosa* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	*Euphrosine sibogae* *	Horst, 1903	SIBOGA	NBC	Horst (1903, 1912)
Euphrosinidae	*Euphrosine superba*	Marenzeller, 1879	SIBOGA	NBC	Horst (1912)
Flabelligeridae	*Brada talehsapensis*	Fauvel, 1932	GALATHEA	ZMUC	Kirkegaard (1995/ 1996)
Flabelligeridae	*Diplocirrus erythroporus*	Gallardo, 1968	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Flabelligeridae	*Pherusa coronata*	(Ehlers, 1908)	SIBOGA	NBC	Caullery (1944a)
Flabelligeridae	Pherusa curvisetis *	(Caullery, 1944)	GALATHEA & SIBOGA	NBC & ZMUC	Caullery (1944a); Kirkegaard (1995/ 1996)
Flabelligeridae	*Pherusa indica*	(Fauvel, 1928)	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Flabelligeridae	*Pherusa sibogae* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Flabelligeridae	*Piromis eruca*	(Claparède, 1869)	–	–	GBIF/ OBIS datasets
Flabelligeridae	*Piromis nuda* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Flabelligeridae	*Trophoniella avicularia* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Flabelligeridae	*Trophoniella intoshi* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Flabelligeridae	*Trophoniella rigida* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Flabelligeridae	*Daylithos parmatus*	(Grube, 1877)	P. A. Ouwens	MZB	Augener (1933c)
Glyceridae	*Glycera africana*	Arwidsson, 1899	Merton	–	Ehlers (1918)
Glyceridae	Glycera amboinensis *	McIntosh, 1885	H. M. S. CHALLENGER	BMNH	McIntosh (1885)
Glyceridae	*Glycera brevicirris*	Grube, 1870	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Glyceridae	*Glycera lapidum*	Quatrefages, 1866	GALATHEA	ZMUC	GBIF/ OBIS datasets
Glyceridae	*Glycera longipinnis*	Grube, 1878	–	–	GBIF/ OBIS datasets
Glyceridae	*Glycera macintoshi*	Grube, 1877	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Glyceridae	*Glycera madagascariensis*	Böggemann & Fiege, 2001	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Glyceridae	*Glycera onomichiensis*	Izuka, 1912	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)

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Glyceridae	*Glycera sagittariae* *	McIntosh, 1885	H. M. S. CHALLENGER	BMNH	McIntosh (1885)
Glyceridae	*Glycera tesselata*	Grube, 1840	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Glyceridae	*Glycera unicornis*	Lamarck, 1818	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Goniadidae	Bathyglycinde sibogana *	(Augener & Pettibone in Pettibone, 1970)	SIBOGA	NBC	Pettibone (1970)
Goniadidae	*Glycinde* cf. *oligodon*	Southern, 1921	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Goniadidae	*Goniada clavata* *	Kirkegaard, 1995	GALATHEA	ZMUC	Kirkegaard (1995)
Hartmaniellidae	*Hartmaniella* sp.	–	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Hesionidae	*Gyptis* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Hesionidae	*Hesione eugeniae* *	Kinberg, 1866	EUGENIE	NRS	Kinberg (1866)
Hesionidae	*Hesione splendida*	Lamarck, 1818	J. Verwey & Merton	MZB	Augener (1933c); Ehlers (1918)
Hesionidae	*Leocrates djangkarensis* *	Augener & Pettibone in Pettibone, 1970	SIBOGA	NBC	Pettibone (1970)
Hesionidae	*Leocrates indicus* *	Horst, 1921	SIBOGA	NBC	Horst (1921)
Hesionidae	*Leocrates wesenberglundae*	Pettibone, 1970	–	–	GBIF/ OBIS datasets
Hesionidae	Leocratides ehlersi *	(Horst, 1921)	SIBOGA	NBC	Horst (1921, 1924)
Hesionidae	*Leocratides filamentosus*	Ehlers, 1908	–	ZMB	GBIF/ OBIS datasets
Hesionidae	*Ophiodromus* sp.	–	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Hesionidae	*Podarkeopsis capensis*	(Day, 1963)	–	–	GBIF/ OBIS datasets
Hesionidae	*Psamathe* sp.	–	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Hesionidae	*Hesione intertexta*	Grube, 1878	SIBOGA	NBC	Horst (1924)
Hesionidae	*Leocrates chinensis*	Kinberg, 1866	SIBOGA	NBC	Horst (1924); Pettibone (1970)
Hesionidae	*Oxydromus angustifrons*	(Grube, 1878)	SIBOGA	NBC	Horst (1924)
Iphionidae	*Iphione muricata*	(Lamarck, 1818)	SIBOGA	NBC	Horst (1917)
Iphionidae	*Iphionella philippinensis*	Pettibone, 1986	SIBOGA	NBC	Horst (1917)
Lopadorrhynchidae	Lopadorrhynchus indica	Peter, 1974	–	CMLRE	GBIF/ OBIS datasets
Lumbrineridae	*Abyssoninoe* sp.	–	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Lumbrineridae	*Lumbinerides* sp.	–	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)

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Lumbrineridae	*Lumbrineris albidentata*	Ehlers, 1908	–	–	GBIF/ OBIS datasets
Lumbrineridae	*Lumbrineris amboinensis* *	Grube, 1877	S. M. S. GAZELLE	ZMB?	Grube (1877)
Lumbrineridae	*Lumbrineris impatiens*	Claparède, 1868	–	–	GBIF/ OBIS datasets
Lumbrineridae	*Lumbrineris indica* *	Kinberg, 1865	EUGENIE	NRS	Kinberg (1865a)
Lumbrineridae	*Lumbrineris maxillosa* *	Ehlers, 1918	Merton	–	Ehlers (1918)
Lumbrineridae	*Lumbrineris pseudobifilaris*	Fauvel, 1932	–	–	GBIF/ OBIS datasets
Lumbrineridae	*Ninoe bruuni*	Gallardo, 1968	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Lumbrineridae	Ninoe nigripes	Verrill, 1873	GALATHEA	ZMUC	GBIF/ OBIS datasets
Magelonidae	*Magelona cincta*	Ehlers, 1908	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Magelonidae	*Magelona crenulifrons*	Gallardo, 1968	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Magelonidae	*Magelona gemmata*	Mortimer & Mackie, 2003	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Maldanidae	*Isocirrus tropicus*	(Monro, 1928)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Lumbriclymene interstricta*	(Ehlers, 1908)	–	ZMB	GBIF/ OBIS datasets
Maldanidae	*Maldane sarsi*	Malmgren, 1865	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Notoproctus sibogae* *	(Mesnil & Fauvel, 1939)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Petaloproctus cirratus*	Monro, 1937	GALATHEA	ZMUC	GBIF/ OBIS datasets
Maldanidae	*Petaloproctus terricolus*	Quatrefages, 1866	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	Praxillella affinis	(M. Sars in G. O. Sars, 1872)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Praxillella gracilis*	(M. Sars, 1861)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Maldanella grossa*	(Baird, 1873)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Metasychis gotoi*	(Izuka, 1902)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Rhodine loveni*	Malmgren, 1865	SIBOGA	NBC	Mesnil & Fauvel (1939)
Maldanidae	*Sabaco javanicus* *	(Augener, 1934)	C. Ph. Sluiter	NBC	Augener (1934)
Maldanidae	*Sabaco maculatus* *	Kinberg, 1866	–	NRS?	Kinberg (1866)
Nephtyidae	*Aglaophamus* cf. *vietnamensis*	Fauchald, 1968	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Nephtyidae	*Aglaophamus dibranchis*	(Grube, 1877)	–	–	GBIF/ OBIS datasets
Nephtyidae	*Aglaophamus lyratus* *	Kinberg, 1866	EUGENIE	NRS	Kinberg (1866)

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Nephtyidae	Aglaophamus tepens	Fauchald, 1968	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Nephtyidae	*Micronephthys oligobranchia*	(Southern, 1921)	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Nephtyidae	*Micronephthys sphaerocirrata*	(Wesenberg-Lund, 1949)	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Nephtyidae	*Nephtys* cf. *punctata*	Hartman, 1938	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Nephtyidae	*Nephtys palatii*	Gravier, 1904	Merton	–	Ehlers (1918)
Nephtyidae	*Nephtys spiribranchis* *	Ehlers, 1918	Merton	–	Ehlers (1918)
Nephtyidae	*Nephtys squamosa*	Ehlers, 1887	GALATHEA	ZMUC	GBIF/ OBIS datasets
Nereididae	*Alitta succinea*	(Leuckart, 1847)	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1933)
Nereididae	*Ceratocephale* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Nereididae	*Ceratonereis (Composetia) hyalognatha* *	(Ehlers, 1920)	–	SMF?	Ehlers (1920)
Nereididae	Ceratonereis australis	Hartmann-Schröder, 1985	J. Pamungkas et al.	MZB, NTM & RCDS	Pamungkas (2015a); Pamungkas & Glasby (2015)
Nereididae	*Ceratonereis* cf. *perkinsi*	Hartmann-Schröder, 1985	J. M. Martens et al.	ZMH	Martens et al. (1995)
Nereididae	*Ceratonereis dorsolineata* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Ceratonereis hircinicola*	(Eisig, 1870)	Kinberg		GBIF/ OBIS datasets
Nereididae	*Ceratonereis ternatensis*	(Fischli, 1900)	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Nereididae	*Ceratonereis tripartita* *	Horst, 1918	SIBOGA	NBC	Horst (1918b)
Nereididae	*Composetia marmorata* *	(Horst, 1924)	J. Pamungkas et al. & SIBOGA	MAGNT & NBC	Horst (1924); Pamungkas & Glasby (2015)
Nereididae	*Dendronereis pinnaticirris*	Grube, 1878	T. G. Pillai	BMNH?	Pillai (1965)
Nereididae	*Gnatholycastis brocki* *	Ehlers, 1920	–	ZMB	Ehlers (1920)
Nereididae	*Gymnonereis fauveli*	(Hartmann-Schröder, 1962)	SIBOGA	NBC	Pettibone (1970)
Nereididae	Gymnonereis phuketensis	Hylleberg & Nateewathana, 1988	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Nereididae	*Gymnonereis sibogae* *	(Horst, 1918)	SIBOGA	NBC	Horst (1918b)
Nereididae	*Hediste diversicolor*	(O. F. Müller, 1776)	–	ZMB	GBIF/ OBIS datasets

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Nereididae	*Leonnates indicus*	Kinberg, 1865	SIBOGA	NBC	Horst (1924)
Nereididae	*Leonnates nierstraszi* *	Horst, 1924	SIBOGA	NBC	Horst (1924)
Nereididae	*Leonnates persicus*	Wesenberg-Lund, 1949	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Nereididae	*Namalycastis hawaiiensis*	(Johnson, 1903)	LIMNOLOGISCHE SUNDA	ZMB?	Feuerborn, (1931); Horst (1909)
Nereididae	*Namalycastis meraukensis* *	(Horst, 1918)	J. W. R. Koch	NBC	Horst (1918b)
Nereididae	*Namalycastis nipae* *	(Pflugfelder, 1933)	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1933)
Nereididae	*Namalycastis rhodochorde* *	Glasby, Miura, Nishi & Junardi, 2007	Junardi	NTM	Glasby et al. (2007)
Nereididae	Namalycastis terrestris *	(Pflugfelder, 1933)	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1933)
Nereididae	*Namalycastis vivax* *	(Pflugfelder, 1933)	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1933)
Nereididae	*Namanereis amboinensis* *	(Pflugfelder, 1933)	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1933)
Nereididae	*Namanereis catarractarum* *	(Feuerborn, 1931)	LIMNOLOGISCHE SUNDA	ZMB?	Feuerborn (1931); Glasby et al. (1990)
Nereididae	*Neanthes cricognatha*	(Ehlers, 1904)	–	MAGNT	GBIF/ OBIS datasets
Nereididae	*Neanthes kerguelensis*	(McIntosh, 1885)	–	–	GBIF/ OBIS datasets
Nereididae	*Neanthes larentukana* *	(Grube, 1881)	Martens	ZMB	Grube (1881)
Nereididae	*Neanthes negomboensis*	Silva, 1965	T. G. Pillai	BMNH?	Pillai (1965)
Nereididae	*Neanthes pachychaeta*	(Fauvel, 1918)	SIBOGA	NBC	Horst (1919, 1924); Pamungkas & Glasby (2015)
Nereididae	*Neanthes rubicunda*	(Ehlers, 1868)	SIBOGA	NBC	Horst (1924)
Nereididae	Neanthes trifasciata	(Ehlers, 1901)	J. Rosewater	USNM	GBIF/ OBIS datasets
Nereididae	*Neanthes unifasciata*	(Willey, 1905)	J. M. Martens, J. Pamungkas et al., Merton & SIBOGA	MZB, NBC, NTM, RCDS & ZMH	Ehlers (1918); Horst (1924); Martens et al. (1995); Pamungkas (2015a); Pamungkas & Glasby (2015)
Nereididae	*Neanthes vitabunda* *	(Pflugfelder, 1933)	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1933)
Nereididae	*Nectoneanthes* sp.	–	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Nereididae	*Nereis abyssicola* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Nereis baliensis* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Nereis batjanensis* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)

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Nereididae	*Nereis buitendijki* *	(Horst, 1924)	SIBOGA	NBC	Horst (1919, 1924)
Nereididae	*Nereis heteromorpha* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Nereis jacksoni*	Kinberg, 1865	L. van Lummel	MZB	Augener (1933c)
Nereididae	Nereis macropis *	Ehlers, 1919	–	SMF?	Ehlers (1920)
Nereididae	*Nereis nigripes*	Ehlers, 1868	SIBOGA	NBC	Horst (1924)
Nereididae	*Nereis nouhuysi* *	Horst, 1918	J. W. van Nouhuys & SIBOGA	NBC	Horst (1918a, 1924)
Nereididae	*Nereis onychophora* *	Horst, 1918	SIBOGA	NBC	Horst (1918b, 1924)
Nereididae	*Nereis persica*	Fauvel, 1911	J. Rosewater	USNM	GBIF/ OBIS datasets
Nereididae	*Nereis profundi* *	Kirkegaard, 1956	GALATHEA	ZMUC	Kirkegaard (1956)
Nereididae	*Nereis quoyii* *	Quatrefages, 1866	–	MNHM?	Quatrefages (1866a)
Nereididae	*Nereis sumbawaensis* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Nereis thysanota* *	Ehlers, 1920	–	SMF?	Ehlers (1920)
Nereididae	*Nereis tydemani* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	Nereis vandersandi *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Paraleonnates tenuipalpa* *	(Pflugfelder, 1933)	LIMNOLOGISCHE SUNDA	ZMB?	Pflugfelder (1933)
Nereididae	*Perinereis aibuhitensis*	(Grube, 1878)	–	MAGNT	GBIF/ OBIS datasets
Nereididae	*Perinereis binongkae* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Perinereis caeruleis* *	(Hoagland, 1920)	ALBATROSS	USNM	Hoagland (1920)
Nereididae	*Perinereis camiguina*	(Grube, 1878)	Merton & SIBOGA	NBC	Ehlers (1918); Horst (1924)
Nereididae	*Perinereis cavifrons* *	(Ehlers, 1920)	–	ZMB	Ehlers (1920)
Nereididae	*Perinereis cultrifera*	(Grube, 1840)	J. M. Martens et al.	ZMH	Martens et al. (1995)
Nereididae	*Perinereis dongalae* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Perinereis floridana*	(Ehlers, 1868)	SIBOGA	NBC	Horst (1924)
Nereididae	Perinereis helleri	(Grube, 1878)	J. Pamungkas et al. & SIBOGA	MZB, NBC, NTM & RCDS	Horst (1924); Pamungkas (2015a); Pamungkas & Glasby (2015)
Nereididae	*Perinereis nigropunctata*	(Horst, 1889)	J. M. Martens et al., J. Pamungkas et al. & SIBOGA	MZB, NBC, NTM, RCDS & ZMH	Horst (1924); Martens et al. (1995); Pamungkas (2015a); Pamungkas & Glasby (2015),

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Nereididae	*Perinereis nuntia*	Lamarck, 1818	I. Al-Hakim	NTM	Glasby & Hsieh (2006)
Nereididae	*Perinereis obfuscata*	(Grube, 1878)	SIBOGA	NBC	Horst (1924)
Nereididae	*Perinereis perspicillata*	(Grube, 1878)	L. van Lummel	MZB	Augener (1933c)
Nereididae	*Perinereis rumphii* *	(Horst, 1919)	SIBOGA	NBC	Horst (1919b)
Nereididae	*Perinereis singaporiensis*	(Grube, 1878)	SIBOGA	NBC	Horst (1924)
Nereididae	*Perinereis suluana* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Perinereis tobeloana* *	(Augener, 1933)		NBC	Augener (1933b)
Nereididae	*Perinereis variodentata*	(Augener, 1913)	–	MAGNT	GBIF/ OBIS datasets
Nereididae	Platynereis abnormis *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Platynereis cristatus* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Platynereis dumerilii*	(Audouin & Milne Edwards, 1833)	K. W. Dammerman, L. van Lummel & SIBOGA	NBC	Augener (1933c); Horst (1924)
Nereididae	*Pseudonereis anomala*	Gravier, 1899	SIBOGA	NBC	Horst (1924)
Nereididae	*Pseudonereis trimaculata* *	(Horst, 1924)	SIBOGA	NBC	Horst (1924)
Nereididae	*Rullierinereis gallardoi*	Pettibone, 1971	GALATHEA	ZMUC	GBIF/ OBIS datasets
Nereididae	*Simplisetia erythraeensis*	(Fauvel, 1918)	–	MAGNT	GBIF/ OBIS datasets
Nereididae	*Solomononereis merauensis*	Gibbs, 1971	J. Pamungkas et al.	MZB & NTM	Pamungkas (2015a), Pamungkas & Glasby (2015)
Nereididae	*Tylorrhynchus heterochetus* *	(Quatrefages, 1866)	–	MNHM?	Quatrefages (1866a)
Nereididae	*Websterinereis foli*	(Fauvel, 1930)	J. M. Martens et al.	ZMH	Martens et al. (1995), Pamungkas & Glasby (2015)
Nereididae	Neanthes indica *	(Kinberg, 1865)	–	NRS?	Kinberg (1865b)
Nereididae	*Platynereis bengalensis*	(Willey, 1905)	SIBOGA	NBC	Horst (1924)
Oenonidae	*Arabella (Notopsilus)* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Oenonidae	*Drilonereis logani*	Crossland, 1924	GALATHEA	ZMUC	GBIF/ OBIS datasets
Oenonidae	*Oenone fulgida*	(Savigny in Lamarck, 1818)	S. M. S. GAZELLE & W. Kükenthal	ZMB?	Fischli (1903); Grube (1877)
Oenonidae	*Arabella iricolor*	(Montagu, 1804)	T. van Benthem Jutting	MZB	Augener (1933c)
Oenonidae	*Drilonereis parasiticus* *	(Caullery, 1914)	–	MNHM?	Caullery (1914a)

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Onuphidae	*Anchinothria hiatidentata*	(Moore, 1911)	SIBOGA	NBC	Pettibone (1970)
Onuphidae	*Diopatra amboinensis* *	Audouin & Milne Edwards, 1833	–	MNHM?	Audouin & Milne Edwards (1833)
Onuphidae	*Diopatra claparedii*	Grube, 1878	–	–	GBIF/ OBIS datasets
Onuphidae	Diopatra maculata	Paxton, 1993	–	–	GBIF/ OBIS datasets
Onuphidae	*Diopatra uncinifera* *	Quatrefages, 1866	–	MNHM?	Quatrefages (1866a)
Onuphidae	*Hyalinoecia robusta*	Southward, 1977	GALATHEA	ZMUC	GBIF/ OBIS datasets
Onuphidae	*Hyalinoecia tubicola*	(O. F. Müller, 1776)	–	ZMB	GBIF/ OBIS datasets
Onuphidae	*Kinbergonuphis abyssalis*	(Fauchald, 1968)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Onuphidae	*Kinbergonuphis investigatoris*	(Fauvel, 1932)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Onuphidae	*Kinbergonuphis proalopus*	(Chamberlin, 1919)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Onuphidae	*Kinbergonuphis pseudodibranchiata*	(Gallardo, 1968)	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Onuphidae	*Longibrachium arariensis*	Nishi & Kato, 2009	M. Rosenstein	NBC	GBIF/ OBIS datasets
Onuphidae	*Nothria hawaiiensis* *	Pettibone, 1970	SIBOGA	NBC	Pettibone (1970)
Onuphidae	Onuphis eremita	Audouin & Milne Edwards, 1833	–	–	GBIF/ OBIS datasets
Onuphidae	*Onuphis holobranchiata*	Marenzeller, 1879	–	–	GBIF/ OBIS datasets
Onuphidae	*Onuphis opalina*	(Verrill, 1873)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Onuphidae	*Paradiopatra quadricuspis*	(M. Sars in G. O. Sars, 1872)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Onuphidae	*Protodiopatra willemoesii* *	(McIntosh, 1885)	H. M. S. CHALLENGER	BMNH	McIntosh (1885)
Onuphidae	*Rhamphobrachium chuni* *	Ehlers, 1908	DEUTSCHE TIEFSEE	SMF?	Ehlers (1908)
Onuphidae	*Rhamphobrachium pacifica*	Hoagland, 1920	U. S. FISH COMMISSION	USNM	GBIF/ OBIS datasets
Opheliidae	*Ammotrypane galatheae* *	Kirkegaard, 1956	GALATHEA	ZMUC	Kirkegaard (1956)
Opheliidae	*Armandia bipapillata*	Hartmann-Schröder, 1974	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Opheliidae	*Armandia longicaudata* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Opheliidae	Ophelina bimensis *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Opheliidae	*Ophelina brevibranchiata* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)

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Opheliidae	*Ophelina cordiformis* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Opheliidae	*Ophelina dubia* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Opheliidae	*Ophelina fauveli* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Opheliidae	*Ophelina profunda* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Opheliidae	*Ophelina remigera* *	(Ehlers, 1918)	Merton	SMF?	Ehlers (1918)
Opheliidae	*Ophelina sibogae* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Opheliidae	*Ophelina buitendijki* *	(Horst, 1919)	P. Buitendijk	NBC	Horst (1919a)
Opheliidae	*Ophelina ehlersi* *	(Horst, 1919)	P. N. van Kampen	NBC	Horst (1919a)
Opheliidae	Ophelina kampeni *	(Horst, 1919)	P. N. van Kampen	NBC	Horst (1919a)
Opheliidae	*Ophelina pygocirrata* *	(Ehlers, 1920)	–	SMF?	Ehlers (1920)
Orbiniidae	*Leitoscoloplos* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Orbiniidae	*Leodamas marginatus*	(Ehlers, 1897)	GALATHEA	ZMUC	Kirkegaard (1995/ 1996)
Orbiniidae	*Scoloplos (Leodamas) gracilis*	Pillai, 1961	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Orbiniidae	*Scoloplos (Leodamas) orientalis*	Gallardo, 1968	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Orbiniidae	*Scoloplos (Leodamas) rubra*	(Webster, 1879)	–	–	GBIF/ OBIS datasets
Oweniidae	*Galathowenia lobopygidiata*	(Uschakov, 1950)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Oweniidae	*Myriochele eurystoma* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Oweniidae	*Myriochele minor* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Oweniidae	Myriochele picta	Southern, 1921	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Oweniidae	*Owenia assimilator* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Oweniidae	*Owenia collaris*	Hartman, 1955	SIBOGA	NBC	Caullery (1944a)
Paralacydoniidae	*Paralacydonia paradoxa*	Fauvel, 1913	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Paralacydoniidae	*Paralacydonia weberi* *	Horst, 1923	SIBOGA	NBC	Horst (1923)
Paraonidae	*Aricidea (Acmira) lopezi*	Berkeley & Berkeley, 1956	–	–	GBIF/ OBIS datasets
Paraonidae	*Cirrophorus* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Paraonidae	*Levinsenia* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Paraonidae	*Paradoneis* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)

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Paraonidae	*Paraonis* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Pectinariidae	Pectinaria brevispinis	Grube, 1878	SIBOGA	NBC	Caullery (1944a)
Pectinariidae	*Pectinaria leioscapha* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Pectinariidae	*Pectinaria papillosa* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Pectinariidae	*Pectinaria profunda* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Pectinariidae	*Petta tenuis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Pectinariidae	*Amphictene leioscapha* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Phyllodocidae	*Genetyllis gracilis*	(Kinberg, 1866)	–	–	GBIF/ OBIS datasets
Phyllodocidae	*Paranaitis* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Phyllodocidae	*Phyllodoce lamelligera*	(Gmelin in Linnaeus, 1788)	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Phyllodocidae	*Phyllodoce madeirensis*	Langerhans, 1880	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Phyllodocidae	Phyllodoce quadraticeps	Grube, 1878	Zadelhoff	MZB	Augener (1933c)
Pilargidae	*Hermundura gladstonensis*	(Marks & Hocknull, 2006)	–	MAGNT	GBIF/ OBIS datasets
Pilargidae	*Litocorsa annamita*	(Gallardo, 1968)	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Pilargidae	*Pilargis* sp.	–	ANAMBAS	MZB & NTM	Al-Hakim & Glasby (2004)
Pilargidae	*Sigambra bassi*	(Hartman, 1945)	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Pilargidae	*Sigambra constricta*	(Southern, 1921)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Pilargidae	*Sigambra hanaokai*	(Kitamori, 1960)	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Pilargidae	*Sigambra parva*	(Day, 1963)	–	–	GBIF/ OBIS datasets
Pilargidae	*Synelmis rigida*	(Fauvel, 1919)	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Pilargidae	*Synelmis sergi*	Glasby & Marks, 2013	–	MAGNT	GBIF/ OBIS datasets
Poecilochaetidae	Poecilochaetus serpens	Allen, 1904	–	–	GBIF/ OBIS datasets
Polygordiidae	*Polygordius epitocus* *	Dawydoff, 1905	–	–	Dawydoff (1905)
Polynoidae	*Admetella longipedata*	(McIntosh, 1885)	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Allmaniella arafurensis* *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Australaugeneria pottsi*	Pettibone, 1969	SIBOGA	NBC	Horst (1917)

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Polynoidae	*Bathyeliasona abyssicola*	(Fauvel, 1913)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Polynoidae	*Bathynoe pustulata* *	(Horst, 1915)	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Benhamipolynoe antipathicola*	(Benham, 1927)	SIBOGA	NBC	Pettibone (1970)
Polynoidae	*Drieschella maculata* *	Augener & Pettibone, 1970	SIBOGA	NBC	Pettibone (1970)
Polynoidae	*Eunoe pallida* *	(Ehlers, 1908)	DEUTSCHE TIEFSEE	SMF?	Ehlers (1908)
Polynoidae	Gastrolepidia clavigera	Schmarda, 1861	SIBOGA	NBC	Horst (1917)
Polynoidae	*Halosydna batheia* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Polynoidae	*Halosydnopsis pilosa* *	(Horst, 1917)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Harmothoe atra* *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Harmothoe* cf. *benthaliana*	McIntosh, 1885	SIBOGA	NBC	Horst (1917)
Polynoidae	*Harmothoe* cf. *imbricata*	(Linnaeus, 1767)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Harmothoe cornuta*	(Potts, 1910)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Harmothoe dictyophora*	(Grube, 1878)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Harmothoe flaccida*	(Potts, 1910)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Hemilepidia versluysi* *	(Horst, 1915)	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	Heteralentia ptycholepis	(Grube, 1878)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Hololepidella nigropunctata* *	(Horst, 1915)	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Lagisca elytrophora* *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Lagisca malayana* *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Lepidasthenia elegans*	(Grube, 1840)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidasthenia microlepis*	(Potts, 1910)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus albopustulatus* *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Lepidonotus carinulatus*	(Grube, 1870)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus* cf. *adspersus*	(Grube, 1878)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus* cf. *squamatus*	(Linnaeus, 1758)	SIBOGA	NBC	Horst (1917)
Polynoidae	Lepidonotus cristatus	(Grube, 1876)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus echinatus*	(Potts, 1910)	SIBOGA	NBC	Horst (1917)

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Polynoidae	*Lepidonotus glaucus*	(Peters, 1854)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus javanicus* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus malayanus* *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Lepidonotus onisciformis* *	Ehlers, 1918	Merton	–	Ehlers (1918)
Polynoidae	*Lepidonotus ornatus*	Potts, 1910	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus ruber* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus suluensis* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Polynoidae	*Lepidonotus vandersandei* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Polynoidae	Medioantenna variopinta *	Di Camillo, Martin & Britayev, 2011	Di Camillo et al.	MNCN	Di Camillo et al. (2011)
Polynoidae	*Ophthalmonoe pettiboneae* *	Petersen & Britayev, 1997	SNELLIUS II	NBC	Petersen & Britayev (1997)
Polynoidae	*Paradyte crinoidicola*	(Potts, 1910)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Paradyte tentaculata* *	(Horst, 1915)	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Parahalosydna sibogae* *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Paralepidonotus ampulliferus*	(Grube, 1878)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Paralepidonotus* cf. *indica*	(Potts, 1910)	SIBOGA	NBC	Horst (1917)
Polynoidae	*Paralepidonotus indicus* *	(Kinberg, 1856)	EUGENIE & SIBOGA	NBC & NRS	Horst (1915, 1917); Kinberg (1856)
Polynoidae	*Perolepis regularis*	Ehlers, 1908	SIBOGA	NBC	Horst (1913, 1917)
Polynoidae	*Polynoe cornuta* *	Fischli, 1903	SIBOGA & W. Kükenthal	NBC	Fischli (1903); Horst (1917)
Polynoidae	Polynoe kampeni *	Horst, 1915	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Scalisetosus acutipinnis* *	Ehlers, 1920	–	ZMB	Ehlers (1920)
Polynoidae	*Scalisetosus ceramensis* *	McIntosh, 1885	H. M. S. CHALLENGER & SIBOGA	NBC	Horst (1917); McIntosh (1885)
Polynoidae	*Subadyte papillifera* *	(Horst, 1915)	SIBOGA	NBC	Horst (1915, 1917)
Polynoidae	*Telolepidasthenia lobetobiensis* *	Augener & Pettibone, 1970	SIBOGA	NBC	Pettibone (1970)
Polynoidae	*Thormora jukesii*	Baird, 1865	SIBOGA & Vorster	MZB & NBC	Augener (1933c); Horst (1917)
Polynoidae	*Verrucapelma nigricans* *	(Horst, 1915)	SIBOGA	NBC	Horst (1915, 1917)

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Polynoidae	*Eunoe kerguelensis*	(McIntosh, 1885)	SIBOGA	NBC	Horst (1915)
Polynoidae	*Lepidonotus adspersus*	(Grube, 1878)	SIBOGA	NBC	Horst (1915, 1917)
Sabellariidae	*Idanthyrsus bihamatus* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Sabellariidae	Idanthyrsus willora	Hutchings, Capa & Peart, 2012	–	MAGNT	GBIF/ OBIS datasets
Sabellariidae	*Lygdamis ehlersi* *	(Caullery, 1913)	SIBOGA	NBC	Caullery (1944a)
Sabellariidae	*Lygdamis indicus* *	Kinberg, 1866	EUGENIE & GALATHEA	NRS & ZMUC	Kinberg (1866); Kirkegaard (1995/ 1996)
Sabellariidae	*Phalacrostemma abyssalis* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Sabellariidae	*Sabellaria javanica* *	Augener, 1934	C. Ph. Sluiter & P. Buitendijk	NBC	Augener (1934); Nishi et al. (2010)
Sabellariidae	*Tetreres philippinensis*	(Treadwell, 1926)	GALATHEA	ZMUC	Kirkegaard (1995/ 1996)
Sabellariidae	*Tetreres porrectus* *	(Ehlers, 1908)	DEUTSCHE TIEFSEE	SMF?	Ehlers (1908)
Sabellariidae	*Tetreres superbus* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Sabellidae	*Acromegalomma interruptum*	(Capa & Murray, 2009)	–	MAGNT	GBIF/ OBIS datasets
Sabellidae	*Amphiglena mediterranea*	(Leydig, 1851)	Merton	–	Ehlers (1918)
Sabellidae	Bispira melanostigma	(Schmarda, 1861)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Sabellidae	*Bispira porifera*	(Grube, 1878)	P. Taylor	USNM	GBIF/ OBIS datasets
Sabellidae	*Bispira tricyclia*	(Schmarda, 1861)	ANAMBAS & P. A. Ouwens	MZB & NTM	Al-Hakim & Glasby (2004); Augener (1933c)
Sabellidae	*Branchiomma cingulatum*	(Grube, 1870)	SIBOGA & W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin? & NBC	Augener (1933c); Fischli (1903); Mesnil & Fauvel (1939)
Sabellidae	*Caobangia morrisoni* *	Jones, 1974	A. Dewilde, O. Bryant, W. Palmer	BMNH & USNM	Jones (1974)
Sabellidae	*Chone infundibuliformis*	Krøyer, 1856	–	–	GBIF/ OBIS datasets
Sabellidae	*Chone letterstedti*	(Kinberg, 1866)	–	–	GBIF/ OBIS datasets
Sabellidae	*Euchone* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Sabellidae	*Laonome andamanensis*	Fitzhugh, 2002	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Sabellidae	*Notaulax phaeotaenia*	(Schmarda, 1861)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Sabellidae	Paradialychone ecaudata	(Moore, 1903)	SIBOGA	NBC	Mesnil & Fauvel (1939)

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Sabellidae	*Perkinsiana* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Sabellidae	*Potamilla leptochaeta*	Southern, 1921	SIBOGA	NBC	Mesnil & Fauvel (1939)
Sabellidae	*Pseudobranchiomma zebuensis*	(McIntosh, 1885)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Sabellidae	*Pseudopotamilla* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Sabellidae	*Sabella pavonina*	Savigny, 1822	SIBOGA	NBC	Mesnil & Fauvel (1939)
Sabellidae	*Sabellastarte magnifica*	(Shaw, 1800)	Vorster	MZB	Augener (1933c)
Sabellidae	*Sabellastarte spectabilis*	(Grube, 1878)	SIBOGA & S. M. S. GAZELLE	NBC & ZMB?	Ehlers (1918); Mesnil & Fauvel (1939)
Sabellidae	*Stylomma palmatum*	(Quatrefages, 1866)	–	ZMB	GBIF/ OBIS datasets
Sabellidae	*Acromegalomma vesiculosum*	(Montagu, 1813)	–	MZB	Augener (1933c)
Sabellidae	Sabella spallanzanii	(Gmelin, 1791)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Scalibregmatidae	*Hyboscolex verrucosa*	Hartmann-Schröder, 1979	J. M. Martens et al. & J. Pamungkas et al.	MZB & ZMH	Martens et al. (1995), Pamungkas (2015a)
Serpulidae	*Ditrupa gracillima*	Grube, 1878	SIBOGA	NBC	Mesnil & Fauvel (1939)
Serpulidae	*Ficopomatus uschakovi*	(Pillai, 1960)	T. G. Pillai	BMNH?	Pillai (1965)
Serpulidae	*Filograna implexa*	Berkeley, 1835	–	MAGNT	GBIF/ OBIS datasets
Serpulidae	*Hydroides albiceps*	(Grube, 1870)	SIBOGA & W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin? & NBC	Fischli (1903); Mesnil & Fauvel (1939)
Serpulidae	*Hydroides bandaensis* *	Zibrowius, 1972	–	–	Zibrowius (1972)
Serpulidae	*Hydroides exaltata*	(Marenzeller, 1885)	P. Taylor	USNM	GBIF/ OBIS datasets
Serpulidae	*Hydroides externispina*	Straughan, 1967	E. Wong	AM	GBIF/ OBIS datasets
Serpulidae	*Hydroides minax*	(Grube, 1878)	E. Wong	AM & SMF	GBIF/ OBIS datasets
Serpulidae	Hydroides multispinosa	Marenzeller, 1885	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Serpulidae	*Hydroides novaepommeraniae*	Augener, 1925	P. Taylor	USNM	GBIF/ OBIS datasets
Serpulidae	*Hydroides recta*	Straughan, 1967	E. Wong	AM & MAGNT	GBIF/ OBIS datasets
Serpulidae	*Hydroides tambalagamensis*	Pillai, 1961	–	AM	GBIF/ OBIS datasets
Serpulidae	*Hydroides tuberculata*	Imajima, 1976	–	AM, SMF & USNM	GBIF/ OBIS datasets

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Serpulidae	*Pomatostegus stellatus*	(Abildgaard, 1789)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Serpulidae	*Protula tubularia*	(Montagu, 1803)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Serpulidae	*Salmacina dysteri*	(Huxley, 1855)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Serpulidae	*Spiraserpula deltoides*	Pillai & Ten Hove, 1994	–	BMNH	GBIF/ OBIS datasets
Serpulidae	*Spiraserpula ingoconvexa*	Pillai & Ten Hove, 1994	–	BMNH	GBIF/ OBIS datasets
Serpulidae	Spiraserpula snellii	Pillai & Ten Hove, 1994	H. ten Hove	BMNH & USNM	GBIF/ OBIS datasets
Serpulidae	*Spiraserpula sumbensis*	Pillai & Ten Hove, 1994	–	BMNH	GBIF/ OBIS datasets
Serpulidae	*Spirobranchus corniculatus* *	(Grube, 1862)	D. A. Willette & SIBOGA	AMSS, NBC, UCLA & UPMSI	Grube (1862); Mesnil & Fauvel (1939); Willette et al. (2015)
Serpulidae	*Spirobranchus corrugatus*	Straughan, 1967	H. ten Hove	AM, BMNH, MAGNT & SMF	GBIF/ OBIS datasets
Serpulidae	*Spirobranchus decoratus*	Imajima, 1982	–	ZMB	GBIF/ OBIS datasets
Serpulidae	*Spirobranchus giganteus*	(Pallas, 1766)	C. Johnsen, P. Taylor & R. Fadli	USNM	GBIF/ OBIS datasets
Serpulidae	*Spirobranchus latiscapus*	(Marenzeller, 1885)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Serpulidae	*Spirobranchus nigranucha* *	(Fischli, 1903)	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Serpulidae	*Spirobranchus tetraceros*	(Schmarda, 1861)	SIBOGA & SWISS	MNHM? & NBC	Malaquin & Dehorne (1907); Mesnil & Fauvel (1939)
Serpulidae	*Vermiliopsis infundibulum*	(Philippi, 1844)	–	AM & SMF	GBIF/ OBIS datasets
Serpulidae	Vermiliopsis labiata	(O. G. Costa, 1861)	–	SMF	GBIF/ OBIS datasets
Serpulidae	*Neodexiospira foraminosa*	(Bush in Moore & Bush, 1904)	SIBOGA	NBC	Mesnil & Fauvel (1939)
Serpulidae	*Serpula jukesii*	Baird, 1865	SIBOGA	NBC	Mesnil & Fauvel (1939)
Serpulidae	*Vermiliopsis glandigera*	Gravier, 1906	SIBOGA	NBC	Mesnil & Fauvel (1939)
Siboglinidae	*Euthalenessa festiva*	(Grube, 1875)	Merton	–	Ehlers (1918)
Siboglinidae	*Galathealinum bruuni*	Kirkegaard, 1956	GALATHEA	ZMUC	GBIF/ OBIS datasets
Siboglinidae	*Lamellisabella pallida*	Southward, 1975	–	–	GBIF/ OBIS datasets
Siboglinidae	*Paraescarpia echinospica*	Southward, Schulze & Tunnicliffe, 2002	–	Centre for Marine Living Resources and Ecology (India)?	GBIF/ OBIS datasets

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Siboglinidae	*Siboglinum polystichum*	Southward, 1975	–	–	GBIF/ OBIS datasets
Siboglinidae	*Siboglinum sumatrense*	Ivanov, 1963	Ivanov A. V.	–	GBIF/ OBIS datasets
Siboglinidae	Siboglinum weberi *	Caullery, 1944	SIBOGA	NBC	Caullery (1914c, 1944b)
Siboglinidae	*Unibrachium tenuifrenum*	Southward, 1975	–	–	GBIF/ OBIS datasets
Sigalionidae	*Ehlersileanira incisa*	(Grube, 1877)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Sigalionidae	*Euthalenessa* cf. *oculata*	(Peters, 1854)	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Fimbriosthenelais gracilis* *	(Fischli, 1903)	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Sigalionidae	*Fimbriosthenelais longipinnis*	(Grube, 1870)	SIBOGA	NBC	Horst (1917); Pettibone (1971)
Sigalionidae	*Horstileanira vanderspoeli* *	Pettibone, 1970	ANAMBAS & SIBOGA	MZB, NBC, NTM & ZRC	Al-Hakim & Glasby (2004); Horst (1917); Pettibone (1970)
Sigalionidae	*Labioleanira tentaculata* *	(Horst, 1917)	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Labiosthenolepis sibogae* *	(Horst, 1917)	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Leanira coeca* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Sigalionidae	Leanira quatrefagesi	Kinberg, 1856	GALATHEA	ZMUC	GBIF/ OBIS datasets
Sigalionidae	*Pelogenia zeylanica*	(Willey, 1905)	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Pottsipelogenia malayana* *	(Horst, 1913)	SIBOGA	NBC	Horst (1913, 1917)
Sigalionidae	*Psammolyce flava*	Kinberg, 1856	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Psammolyce horsti* *	Pettibone, 1997	SIBOGA	NBC	Pettibone (1997)
Sigalionidae	*Sigalion amboinensis* *	Grube, 1877	SIBOGA & S. M. S. GAZELLE	NBC & ZMB?	Grube (1877); Horst (1917)
Sigalionidae	*Sthenelais boa*	(Johnston, 1833)	–	–	GBIF/ OBIS datasets
Sigalionidae	*Sthenelais malayana* *	Horst, 1917	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Sthenelais orientalis*	Potts, 1910	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Sthenelanella ehlersi* *	(Horst, 1916)	SIBOGA	NBC	Horst (1916a, 1917)
Sigalionidae	Sthenolepis incisa	(Grube, 1877)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Sigalionidae	*Sthenolepis japonica*	(McIntosh, 1885)	GALATHEA	ZMUC	GBIF/ OBIS datasets
Sigalionidae	*Sthenolepis javanica* *	(Horst, 1917)	SIBOGA	NBC	Horst (1917)

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Sigalionidae	*Sthenolepis melanocephala* *	(Horst, 1917)	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Sthenolepis vulturis* *	(Horst, 1917)	SIBOGA	NBC	Horst (1917)
Sigalionidae	*Willeysthenelais bandaensis* *	Pettibone, 1971	SIBOGA	NBC	Pettibone (1971)
Sigalionidae	*Willeysthenelais heterochela* *	(Horst, 1917)	SIBOGA	NBC	Horst (1917); Pettibone (1971)
Sigalionidae	*Willeysthenelais horsti* *	Pettibone, 1971	ANAMBAS & SIBOGA	NBC & NTM	Al-Hakim & Glasby (2004); Pettibone (1971)
Sigalionidae	*Willeysthenelais suluensis* *	Pettibone, 1971	SIBOGA	NBC	Pettibone (1971)
Sphaerodoridae	*Sphaerodoropsis malayana* *	(Augener, 1933)	van de Velde	NBC	Augener (1933a)
Spionidae	Dipolydora armata	(Langerhans, 1880)	J. D. Williams	USNM	Williams (2001)
Spionidae	*Laonice* cf. *cirrata*	(M. Sars, 1851)	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Spionidae	*Paraprionospio inaequibranchia* *	(Caullery, 1914)	SIBOGA	NBC	Caullery (1914b, 1944a)
Spionidae	*Paraprionospio pinnata*	(Ehlers, 1901)	SIBOGA	NBC	Caullery (1944a)
Spionidae	*Polydora robi* *	Williams, 2000	J. D. Williams	USNM	Williams (2000)
Spionidae	*Polydora umangivora* *	Williams, 2001	J. D. Williams	USNM	Williams (2001)
Spionidae	*Prionospio delta*	Hartman, 1965	–	–	GBIF/ OBIS datasets
Spionidae	*Prionospio ehlersi*	Fauvel, 1928	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Spionidae	*Prionospio komaeti*	Hylleberg & Nateewathana, 1991	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Spionidae	*Prionospio malayensis* *	(Caullery, 1914)	ANAMBAS & SIBOGA	MZB, NBC, NTM & ZRC	Al-Hakim & Glasby (2004); Caullery (1914b)
Spionidae	Prionospio multibranchiata	Berkeley, 1927	ANAMBAS	MZB & ZRC	Al-Hakim & Glasby (2004)
Spionidae	*Pseudopolydora reishi*	Woodwick, 1964	L. Colinvaux	USNM	GBIF/ OBIS datasets
Spionidae	*Spio* cf. *pettiboneae*	Foster, 1971	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Spionidae	*Spiophanes kroyeri*	Grube, 1860	ANAMBAS	MZB	Al-Hakim & Glasby (2004)
Spionidae	*Spiophanes malayensis* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915d)
Spionidae	*Spiophanes longicirris* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915d)
Sternaspidae	*Caulleryaspis laevis* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a); Sendall & Salazar-Vallejo (2013)

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Sternaspidae	*Sternaspis costata*	Marenzeller, 1879	SIBOGA?	NBC?	Sluiter (1891)
Sternaspidae	*Sternaspis minor* *	Caullery, 1944	ANAMBAS & SIBOGA	MZB, NBC, NTM & ZRC	Al-Hakim & Glasby (2004); Caullery (1944a)
Sternaspidae	*Sternaspis rietschi* *	Caullery, 1944	SIBOGA	NBC	Caullery (1994a); Sendall & Salazar-Vallejo (2013)
Sternaspidae	Sternaspis spinosa *	Sluiter, 1882	SIBOGA	NBC	Sendall & Salazar-Vallejo (2013); Sluiter (1882)
Syllidae	*Alcyonosyllis xeniaecola* *	(Hartmann-Schröder, 1993)	W. Kükenthal	ZMH?	Hartmann-Schröder (1993)
Syllidae	*Branchiosyllis exilis*	(Gravier, 1900)	K. W. Dammerman & SIBOGA	MZB & NBC	Aguado et al. (2008); Augener (1933c)
Syllidae	*Branchiosyllis maculata*	(Imajima, 1966)	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Branchiosyllis verruculosa*	(Augener, 1913)	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Eusyllis assimilis*	Marenzeller, 1875	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Eusyllis lamelligera*	Marion & Bobretzky, 1875	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Exogone normalis*	Day, 1963	–	–	GBIF/ OBIS datasets
Syllidae	*Exogone verugera*	(Claparède, 1868)	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Haplosyllis aciculata* *	Lattig, Martin & Aguado, 2010	SNELLIUS II	NBC	Lattig et al. (2010)
Syllidae	Haplosyllis ingensicola *	Lattig, Martin & Aguado, 2010	A. Janssen, B. W. Hoeksema & N. J. de Voogd	NBC	Lattig et al. (2010)
Syllidae	*Haplosyllis nicoleae* *	Lattig, Martin & Aguado, 2010	A. Janssen, B. W. Hoeksema & N. J. de Voogd	NBC	Lattig et al. (2010)
Syllidae	*Haplosyllis spongicola*	(Grube, 1855)	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Haplosyllis tenhovei* *	Lattig, Martin & Aguado, 2010	SNELLIUS II	NBC	Lattig et al. (2010)
Syllidae	*Odontosyllis arenicolor*	Grube, 1878	L. van Lummel & Steinfurth	MZB	Augener (1933c)
Syllidae	*Odontosyllis freycinetensis*	Augener, 1913	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Odontosyllis gibba*	Claparède, 1863	L. van Lummel	MZB	Augener (1933c)
Syllidae	*Opisthosyllis flaccida*	(Grube, 1878)	SIBOGA	NBC	Aguado et al. (2008)

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Syllidae	*Opisthosyllis mariae* *	Aguado, San Martín & ten Hove, 2008	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	*Paraehlersia cf. ehlersiaeformis*	(Augener, 1913)	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	Paraehlersia ferrugina	(Langerhans, 1881)	L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Paraopisthosyllis fusigera*	(Augener, 1913)	Merton	–	Ehlers (1918)
Syllidae	*Proceraea picta*	Ehlers, 1864	L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Salvatoria rhopalophora*	(Ehlers, 1897)	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Sphaerosyllis georgeharrisoni*	San Martín, 2005	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	*Syllis alternata*	Moore, 1908	SIBOGA & SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Syllis armillaris*	(O. F. Müller, 1776)	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	*Syllis augeneri*	Haswell, 1920	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	*Syllis* cf. *cruzi*	Núñez & San Martín, 1991	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Syllis* cf. *parapari*	San Martín & López, 2000	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	Syllis cornuta	Rathke, 1843	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Syllis gracilis*	Grube, 1840	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Syllis komodoensis* *	Aguado, San Martín & ten Hove, 2008	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Syllis krohnii*	Ehlers, 1864	L. van Lummel	MZB	Augener (1933c)
Syllidae	*Syllis prolifera*	Krohn, 1852	J. Rosewater & L. Colinvaux	USNM	GBIF/ OBIS datasets
Syllidae	*Syllis quadrifasciata*	Fischli, 1900	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Syllidae	*Syllis setoensis*	(Imajima, 1966)	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	*Syllis variegata*	Grube, 1860	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	*Syllis villenai* *	Aguado, San Martín & ten Hove, 2008	SIBOGA	NBC	Aguado et al. (2008)
Syllidae	*Syllis ypsiloides* *	Aguado, San Martín & ten Hove, 2008	SIBOGA & SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	Trypanosyllis taeniaformis	(Haswell, 1886)	–	BMNH	GBIF/ OBIS datasets

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Syllidae	*Trypanosyllis zebra*	(Grube, 1860)	SNELLIUS II	NBC	Aguado et al. (2008)
Syllidae	*Pionosyllis* sp.	–	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Syllidae	*Opisthosyllis australis*	Augener, 1913	L. van Lummel	MZB	Augener (1933c)
Syllidae	*Syllis onkylochaeta* *	Hartmann-Schröder, 1991	–	ZMH	Hartmann-Schröder (1991)
Terebellidae	*Amaeana apheles*	(Hutchings, 1974)	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Terebellidae	*Amaeana* cf. *yirrarn*	Hutchings, 1997	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Terebellidae	*Amphitrite cirrata*	Müller, 1776	J. H. Schaay & W. C. Klein	–	GBIF/ OBIS datasets
Terebellidae	*Amphitrite leptobranchia* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Amphitrite malayensis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	Axionice (Parascione) abyssorum *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Axionice albomaculata* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Axionice moorei* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Eupistella dibranchiata*	(Fauvel, 1909)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Eupistella digitibranchia* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Eupolymnia caulleryi*	Buzhinskaja, 2013	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Eupolymnia dubia* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Eupolymnia intoshi* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Eupolymnia marenzelleri* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Eupolymnia triloba*	(Fischli, 1900)	W. Kükenthal	Gesellschaft Naturforschender Freunde zu Berlin?	Fischli (1903)
Terebellidae	Lanice fauveli	Day, 1934	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Lanice wollebaeki* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Leprea ceratobranchia* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Leprea verrucosa* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Loimia annulifilis*	(Grube, 1872)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Loimia crassifilis*	(Grube, 1878)	Merton & SIBOGA	NBC	Caullery (1944a); Ehlers (1918)

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Terebellidae	*Loimia ingens*	(Grube, 1878)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Loimia nigrifilis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Loimia ochracea*	(Grube, 1877)	–	MAGNT	GBIF/ OBIS datasets
Terebellidae	*Loimia verrucosa* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	Lysilla albomaculata *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Lysilla pacifica*	Hessle, 1917	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Neoamphitrite sibogae* *	(Caullery, 1944)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Nicolea angustiscutis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Nicolea incerta* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Nicolea koehleri* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Nicolea longibranchia* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Nicolea willeyi* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Opisthopista sibogae* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Paralanice timorensis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	Pista aequibranchia *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Pista brevibranchia*	Caullery, 1915	–	–	GBIF/ OBIS datasets
Terebellidae	*Pista crassa* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915a, 1944a)
Terebellidae	*Pista curtiuncata*	Hartmann-Schröder, 1981	–	AM	GBIF/ OBIS datasets
Terebellidae	*Pista fasciata*	(Grube, 1870)	–	–	GBIF/ OBIS datasets
Terebellidae	*Pista foliigera* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915a)
Terebellidae	*Pista robustiseta* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915c, 1944a)
Terebellidae	*Pista typha*	Grube, 1878	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Polycirrus aquila* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Streblosoma amboinense* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	Streblosoma gracile *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Streblosoma prora*	Hutchings & Glasby, 1987	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Terebellidae	*Streblosoma quadridentatum* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Terebellidae	*Terebella annulifilis*	Grube, 1872	Merton	–	Ehlers (1918)
Terebellidae	*Terebella plagiostoma*	Schmarda, 1861	Merton	–	Ehlers (1918)
Terebellidae	*Thelepides malayensis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Thelepus abyssorum* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Thelepus angustitoris* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Thelepus dubius* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Thelepus malayensis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	Thelepus microbranchiatus *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Thelepus robustus*	(Grube, 1878)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Thelepus taamensis* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Thelepus thoracicus*	(Grube, 1870)	SIBOGA	NBC	Caullery (1944a)
Terebellidae	*Pista obesiseta* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915c)
Terebellidae	*Streblosoma longiremis* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915a)
Thalassematidae	*Anelassorhynchus moebii*	(Greeff, 1879)	SIBOGA	NBC?	Sluiter (1902)
Thalassematidae	*Anelassorhynchus semoni*	(Fischer, 1896)	SIBOGA	NBC?	Sluiter (1902)
Thalassematidae	*Ochetostoma baronii*	(Greeff, 1872)	SIBOGA	NBC?	Sluiter (1902)
Thalassematidae	*Ochetostoma erythrogrammon*	Rüppell & Leuckart, 1828	SIBOGA?	NBC?	Sluiter (1891)
Thalassematidae	Ochetostoma formosulum	(Lampert, 1883)	SIBOGA	NBC?	Sluiter (1902)
Thalassematidae	*Ochetostoma kokotoniense*	(Fischer, 1892)	SIBOGA	NBC?	Sluiter (1902)
Thalassematidae	*Thalassema diaphanes* *	Sluiter, 1889	SIBOGA	NBC?	Sluiter (1889, 1891, 1902)
Thalassematidae	*Thalassema leptodermon*	Not in WoRMS?	SIBOGA	NBC?	Sluiter (1902)
Thalassematidae	*Thalassema ovatum* *	Sluiter, 1902	SIBOGA	NBC?	Sluiter (1902)
Travisiidae	*Travisia horsti* *	Caullery, 1944	SIBOGA	NBC	Caullery (1944a)
Travisiidae	*Travisia profundi*	Chamberlin, 1919	GALATHEA	ZMUC	GBIF/ OBIS datasets
Trichobranchidae	*Artacamella* sp.	–	ANAMBAS	NTM	Al-Hakim & Glasby (2004)
Trichobranchidae	*Terebellides ehlersi*	McIntosh, 1885	SIBOGA	NBC	Caullery (1944a)
Trichobranchidae	*Terebellides intoshi* *	Caullery, 1915	SIBOGA	NBC	Caullery (1915b)

Family	Species	Author(s)	Expedition/ collector	Repository	Reference(s)
Trichobranchidae	Terebellides jorgeni *	Hutchings, 2007	–	–	Hutchings (2007)
Trichobranchidae	*Terebellides narribri*	Hutchings & Peart, 2000	ANAMBAS	MZB, NTM & ZRC	Al-Hakim & Glasby (2004)
Trichobranchidae	*Terebellides sieboldi* *	Kinberg, 1866	–	NRS?	Kinberg (1866)
Trichobranchidae	*Terebellides stroemii*	Sars, 1835	SIBOGA	NBC	Caullery (1944a)

shallow water habitats such as estuaries (e.g., Nurmaulidiyah, 2005; Irmawan et al., 2010; Jauhara, 2012), mangroves (e.g., Indarjo et al., 2005; Junardi & Wardoyo, 2008; Romadhoni & Aunurohim, 2013; Priyandayani et al., 2018), seagrass beds (e.g., Hadiyanto, 2012; Wulansari et al., 2012; Rahman et al., 2013), coral reefs (e.g., Yusron, 1989) and subtidal habitats (e.g., Lumingas et al., 2011). Additionally, deep-sea polychaetes in East Nusa Tenggara were studied by Widianwari & Widianingsih (2011). Unfortunately, the polychaete materials obtained from these studies were usually not identified beyond family, rarely to species level, since the availability of regional keys is very limited. In most cases, local ecologists distinguished species by morphospecies names (e.g., *Nereis* sp. A) for statistical analysis purposes, or perhaps used old taxonomic literature such as Fauvel (1923, 1927) and Day (1967) to identify their specimens to species level, which resulted in polychaete species from temperate regions being reported in Indonesian waters (e.g., Hadiyanto, 2013, 2018) – this practice has been identified by Hutchings & Kupriyanova (2018) as one of the major causes of the emergence of the concept of cosmopolitan polychaete species. Typically, the materials were not registered in an accredited repository as most institutions in the country did not possess suitable storage facilities to archive biological specimens. The studies were also either unpublished (e.g., in the form of theses or reports) or published locally in Indonesian, which might limit their wider usage.

A limited number of polychaete taxonomic studies have been conducted by the RCO and RCDS, with two new species formally described by an Indonesian scientist up until 2018, i.e., *Polymastigos javaensis* (Pamungkas, 2015b) and *Capitella ambonensis* (Pamungkas, 2017) (Tables 2 & 4). However, accounts of informally described and vouchered polychaetes (in MZB, among others) in the publication of Al-Hakim & Glasby (2004) included a first record of the family Hartmaniellidae (*Hartmaniella* sp.) in Indonesian waters.

Species richness. From the years 1766 to 2018, 580 valid polychaete species in 51 families have been identified from Indonesian waters. Of these species, 301 species in 40 families were new to science (Table 2), which were mainly described by Horst and Caullery, who between them have described 198 species or about 35% of the known Indonesian polychaete species (Table 4). Most polychaetes were formally identified between the 1910's and 1940's, although a significant number of published names have appeared since the last decade of the 1900s (Fig. 2).

Nereididae, Polynoidae, and Terebellidae respectively were the top three families with the most species, which are also among the top five most speciose families worldwide (Table 3). At the other end of the scale, 11 families (i.e., Cirratulidae, Cossuridae, Dorvilleidae, Eulepethidae, Iphionidae, Hartmaniellidae, Oenonidae, Poecilochaetidae Scalibregmatidae, Travisiidae, and Trichobranchidae) in Indonesian waters are only known from one or two species; surprisingly, two of these families (i.e., Cirratulidae, Dorvilleidae) are actually quite diverse worldwide with 291 and 201 species, respectively (Pamungkas et al., 2019).

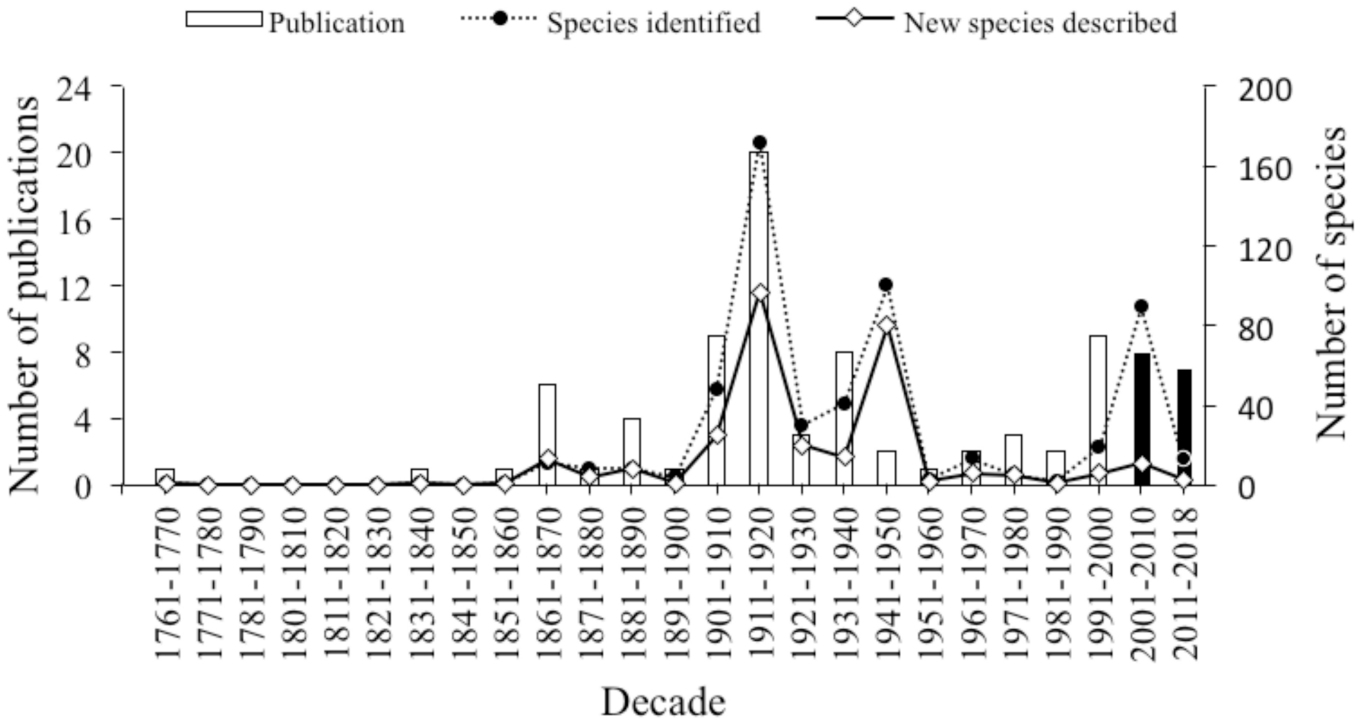

Fig. 2. Number of taxonomic publications and species identified. White bars indicate publications by overseas scientists; black bars indicate publications by both overseas and local scientists.

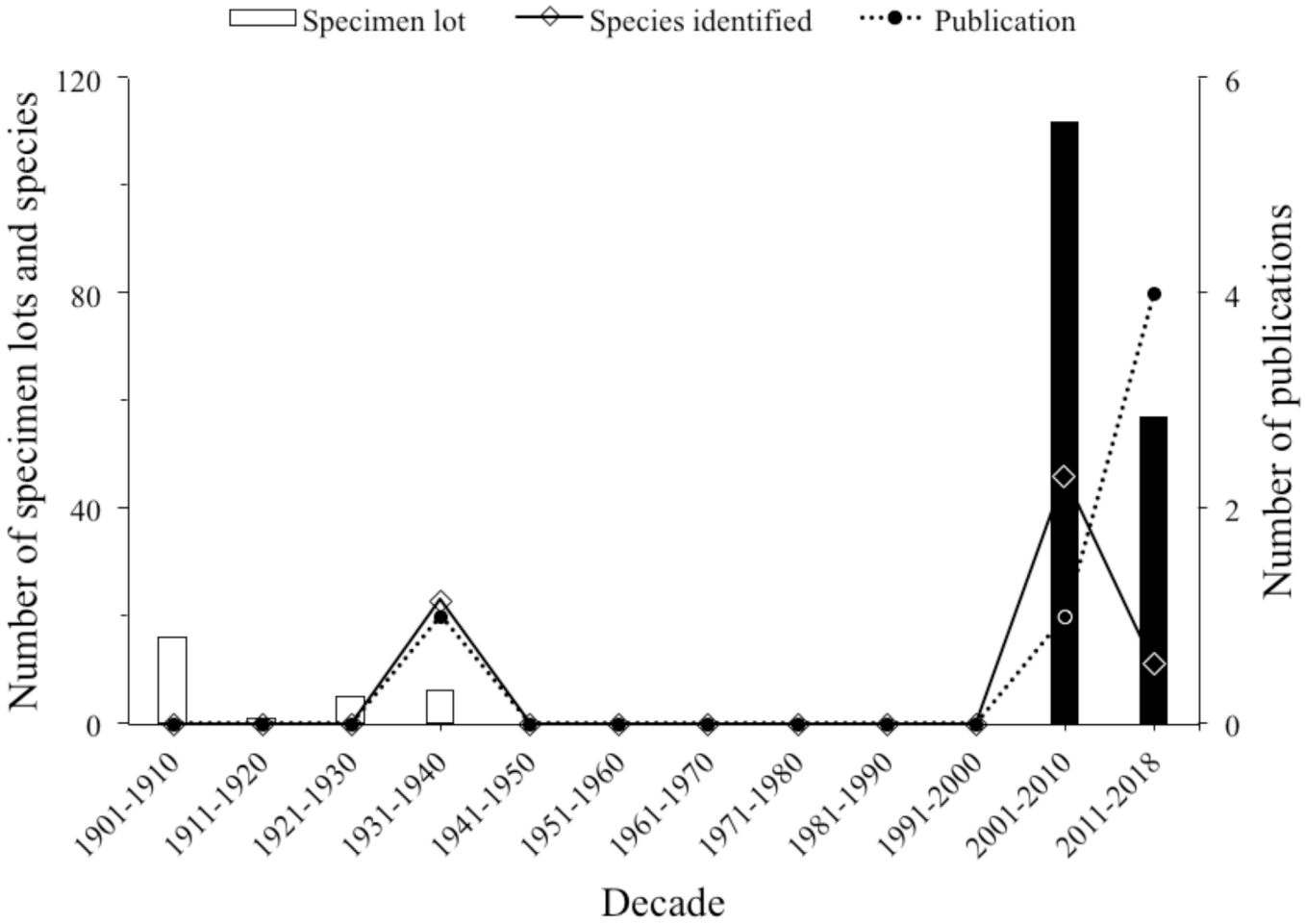

Fig. 3. Rate of specimen lot addition at the MZB as the only internationally accredited zoological museum of the country. White and black bars indicate specimen lots added by European and local scientists, respectively; white diamonds indicate the number of species identified and published.

Table 3. List of Indonesian polychaete families with species numbers, in comparison with the total world's species numbers (Pamungkas et al., 2019) and percentage of the world total. Text in bold indicates the top three families with the most species. The family Poecilochaetidae is also known from Indonesia (see Al-Hakim & Glasby, 2004), but is not included in the table as species numbers are not known with any accuracy.

Family	Author(s)	Species number	World's species number	Indonesia (%)
Acoetidae	Kinberg, 1856	7	60	11.7
Ampharetidae	Malmgren, 1866	19	306	6.2
Amphinomidae	Lamarck, 1818	27	152	17.8
Aphroditidae	Malmgren, 1867	24	123	19.5
Bonelliidae	Lacaze-Duthiers, 1858	2	74	2.7
Capitellidae	Grube, 1862	9	193	4.7
Chaetopteridae	Audouin & Edwards, 1833	5	73	6.8
Chrysopetalidae	Ehlers, 1864	3	87	3.4
Cirratulidae	Carus, 1863	9	291	3.1
Cossuridae	Day, 1963	1	26	3.8
Dorvilleidae	Chamberlin, 1919	1	201	0.5
Eulepethidae	Chamberlin, 1919	1	22	4.5
Eunicidae	Berthold, 1827	14	419	3.3
Euphrosinidae	Williams, 1852	12	59	20.3
Flabelligeridae	de Saint-Joseph, 1894	11	182	6.0
Glyceridae	Grube, 1850	9	87	10.3
Goniadidae	Kinberg, 1866	3	90	3.3
Hartmaniellidae	Imajima, 1977	1	3	33.3
Hesionidae	Grube, 1850	11	214	5.1
Iphionidae	Kinberg, 1856	2	13	15.4
Lumbrineridae	Schmarda, 1861	6	302	2.0
Magelonidae	Cunningham & Ramage, 1888	3	67	4.5
Maldanidae	Malmgren, 1867	11	272	4.0
Nephtyidae	Grube, 1850	8	144	5.6
Nereididae	Blainville, 1818	**75**	687	10.9
Oenonidae	Kinberg, 1865	4	90	4.4
Onuphidae	Kinberg, 1865	7	340	2.1
Opheliidae	Malmgren, 1867	15	155	9.7
Orbiniidae	Hartman, 1942	4	184	2.2
Oweniidae	Rioja, 1917	5	55	9.1
Paralacydoniidae	Pettibone, 1963	2	2	100.0
Paraonidae	Cerruti, 1909	4	169	2.4
Pectinariidae	Quatrefages, 1866	6	57	10.5
Phyllodocidae	Örsted, 1843	4	448	0.9
Pilargidae	de Saint-Joseph, 1899	5	105	4.8
Polygordiidae	Czerniavsky, 1881	1	15	6.7
Polynoidae	Kinberg, 1856	**56**	876	6.4
Sabellariidae	Johnston, 1865	8	130	6.2
Sabellidae	Latreille, 1825	18	493	3.7
Scalibregmatidae	Malmgren, 1867	1	66	1.5
Serpulidae	Rafinesque, 1815	15	576	2.6
Siboglinidae	Caullery, 1914	2	178	1.1
Sigalionidae	Malmgren, 1867	22	219	10.0
Sphaerodoridae	Malmgren, 1867	1	112	0.9
Spionidae	Grube, 1850	14	612	2.3
Sternaspidae	Carus, 1863	5	29	17.2
Syllidae	Grube, 1850	34	993	3.4
Terebellidae	Johnston, 1846	**56**	607	9.2
Thalassematidae	Forbes & Goodsir, 1841	9	75	12.0
Travisiidae	Hartmann-Schröder, 1971	1	34	2.9
Trichobranchidae	Malmgren, 1866	7	78	9.0

*In Pamungkas et al. (2019), members of family Thalassematidae were merged with members of family Echiuridae.

Compared to the numbers of known polychaete species of the world, the numbers of known Indonesian polychaete species are very low (Table 3).

The GBIF and OBIS datasets yielded 300 species names, of which almost half (133 species, 36 families) were additional to the species names from the literature; there were four additional families (i.e., Alciopidae, Arenicolidae, Lopadorrhynchidae, and Poecilochaetidae) (Table 2). Most of the species data in the GBIF and OBIS datasets are linked to voucher specimens, but the specimens have not been described in taxonomic publications (Table 2), so their species identifications need verification. Family level identifications are, however, likely to be reliable. In this case, the top three families in the GBIF and OBIS datasets were Nereididae, Serpulidae, and Eunicidae.

Specimen repositories. We identified three national research institutions in Indonesia housing polychaete collections, i.e., the MZB, RCO, and RCDS (Table 5). Most polychaete specimens collected from the geographic region were housed at the RCO, yet the specimens were stored in an unsuitable office and the collection data not databased (Table 5). Only specimens associated with taxonomic publications were deposited at the MZB, and we confirm that it does not include any of the *Siboga* material. The RCO collection is in need of curation because of its size, i.e., estimated in 2005 at about 45,000 specimen lots, and importance: it represents collections carried out over more than 30 years from at least 37 shallow water and offshore locations in Indonesia. A collection of Indonesian polychaetes can also be found at the RCDS. The collection dates from 2014 and comprises 191 specimen lots from Ambonese waters and surrounding areas (Table 5).

At the MZB, the first polychaete specimen lots were added between the 1900's and 1930's by European scientists (Fig. 3); the specimens were identified by Augener (1933c). Thereafter, there was no addition until the early 2000s when a few local scientists started to deposit polychaete specimens at the museum, including the material described by Al-Hakim & Glasby (2004), Pamungkas (2015a, b, 2017) and Pamungkas & Glasby (2015) (Fig. 3). Thus, only six published papers relate to the polychaete collection at the MZB (Table 5; Fig. 3). In general, the polychaete collection at this institution is well curated, but relatively small (Fig. S1).

Table 4. First authors who have formally described new Indonesian polychaete species along with their country and the number of species described. Authors who described the most species in bold.

First author	Country	Number of species described
A. E. Grube	Germany	6
A. Malaquin	France	1
A. Quatrefages	France	4
C. Dawydoff	Russia	1
C. G. Di Camillo	Italy	1
C. J. Glasby	Australia	1
C. Ph. Sluiter	Germany	5
E. Ehlers	Germany	16
F. Mesnil	France	1
G. Hartmann-Schröder	Germany	2
H. Augener	Germany	9
H. Fischli	Germany	3
H. J. Feuerborn	Germany	1
H. Zibrowius	France	1
J. B. Kirkegaard	Denmark	3
J. G. H. Kinberg	Sweden	9
J. Pamungkas	Indonesia	2
J. V. Audouin	France	1
J. D. Williams	USA	2
M. Caullery	France	**92**
M. E. Petersen	Denmark	1
M. H. Pettibone	USA	7
M. L. Jones	USA	1
M. T. Aguado	Spain	4
O. Pflugfelder	Germany	7
P. Hutchings	Australia	1
P. Lattig	Spain	4
P. S. Pallas	The Netherlands	1
R. A. Hoagland	USA	1
R. Horst	The Netherlands	**106**
W. C. McIntosh	The United Kingdom	5
Total		299

DISCUSSION

Biodiversity studies. Since around the mid 1700s, Indonesian polychaetes were mostly sampled and identified by European taxonomists, and the contribution of local scientists was minor and recent. This is mainly due to the fact that up until the mid 1900s biodiversity research in the geographic region was lacking. Up until the 1970's, no marine expedition was carried out by national research institutions. The first marine expeditions by a national research institution were conducted by the RCO through a series of cruises in the 1970s (Rumphius I-IV), and some collaborative voyages in the 1980s (Snellius II) and early 1990s (Karubar and MNINGA) (Glasby & Al-Hakim, 2017). Despite specimens from these expeditions being housed at the RCO and NBC (Glasby & Al-Hakim, 2017), no taxonomic publication on the fauna was produced, and no specimens were deposited at the MZB.

Taxonomic investigations on polychaete species conducted by local scientists began early this century. However, the number of studies, as well as the number of new species described, was extremely low. The major reason for this is that marine taxonomy is not yet of great concern to policy makers in the country. Although conservation and rehabilitation of coastal and marine ecosystems has been identified as a priority research topic (the Ministry of Research, Technology and Higher Education of the Republic of Indonesia, 2017) species description is still an under-valued pursuit. This state of affairs has led to few

Table 5. Collection information for polychaete collections in Indonesia at Museum Zoologicum Bogoriense (MZB) Bogor, Research Center for Deep Sea (RCDS, Ambon) and Research Center for Oceanography (RCO, Jakarta).

Remarks	**MZB**	**RCDS**	**RCO**
The institution is accredited as a zoological specimens repository	Yes	No	No
The collection is registered and housed in a reference collection room	Yes	Yes	No
The reference collection room's space is sufficient to house marine specimens	No	Yes	No
First year of specimen addition	1907	2014	1985
Number of specimen lots	204	191	45,000
Number of families	31	17	>45
Number of species identified to species level	81	10	Unknown
Number of publications associated with the collection	6	3	Unknown
Number of polychaete scientists	0	1	2

people specialising in marine taxonomy. To the best of our knowledge, there are currently no more than three senior Indonesian marine taxonomists, and there has never been a full-time polychaete taxonomist in the country (the author (JP) is the only early-career researcher specialising in the study of polychaetes). This current situation in Indonesia is in sharp contrast to the global pattern where the number of people describing polychaete species has generally increased since the 1960's. Although we now live in an age of having the most polychaete taxonomists ever globally (Pamungkas et al., 2019), taxonomists are still an "endangered species" (Buyck, 1999; Wägele et al., 2011) in Indonesia.

Indonesia's neighbours (e.g., Malaysia and Singapore) also seem to share the lack of funding for taxonomic investigations. Funds are rarely provided by the government unless the taxonomic studies are attached to other studies with a more economic or ecological focus (I. Idris, 2019 & Y-l. Lee, 2019 – pers. comm.). This practice could be one way to overcome the similar problem in Indonesia, considering that local researchers have conducted marine benthic studies yielding numerous polychaete specimens. The involvement of a polychaete taxonomist in an ecological benthic study would also address the crucial issues of correct species identification and specimen vouchering.

Further, international research collaborations may be another way to increase the marine taxonomic effort in the country. However, the fact that many Indonesian biological materials obtained from international expeditions have been exclusively housed in overseas museums, many of which have been described by overseas taxonomists without the involvement of local scientists, may have contributed to the current strict permitting requirements for international biodiversity research collaborations today (see the Ministry of Research, Technology and Higher Education of the Republic of Indonesia, 2019). To conduct biodiversity studies, foreign researchers, in principle, must obtain an official research permit in advance, and research permits are only issued if there is at least one Indonesian counterpart (this typically also implies a Memorandum of Understanding between the two collaborating research institutions). Sharing biological specimens is possible, but research permits may stipulate that holotypes are to be deposited at the MZB, and any resulting publications should be either authored or co-authored by a local scientist.

Species richness. We found 580 valid polychaete species in 51 families reported from Indonesian waters. This is much higher than in neighboring countries: 64 species in 31 families were reported from Malaysia (Idris & Arshad, 2013), 64 species in 28 families from Singapore (Tan & Chou, 1993), but comparable to the Philippines with 443 species in 43 families (Palpal-latoc, 2001). However, the number of documented Indonesian polychaetes is only about 5% of known polychaete species of the world (i.e., nearly 11,500 species belonging to 85 families) investigated by Pamungkas et al. (2019). Our findings suggest that the polychaete fauna of Indonesia is still poorly studied, especially considering that the region encompassing the Coral Triangle is known for its high biodiversity in other groups of marine invertebrates such as molluscs and crustaceans (e.g., Valentine, 1971; Hutomo & Moosa, 2005).

The high proportion of offshore and deep-sea polychaete records in the region is notable and is probably quite different from depth range records of countries such as Australia and the United States, where deep-sea surveys tend to be outnumbered by coastal monitoring surveys. The majority of the known Indonesian polychaete species were collected from the Wallacea region and its surrounding waters by the Siboga Expedition, which is geographically situated in the central and eastern part of Indonesia, including Java (eastern part), Bali, Flores, Savu, Timor, Arafura, Banda, Ceram, Halmahera, Molucca, Celebes Seas, and Makassar Strait. The western part of Indonesia, including Java (western part) and South China Seas, Malacca Strait, and Indian Ocean has, in contrast, been relatively under sampled. Many intertidal habitats have been sampled recently by local scientists but polychaete specimens were rarely identified to species level and vouchered.

To rectify the current bias in the geographic sampling pattern and fill the current gap in the knowledge of Indonesian polychaete diversity, we recommend conducting future taxonomic studies in the populous western part of Indonesia, as well as in intertidal habitats. Such a strategy will serve to identify species that may be useful for monitoring areas of high human impact related to both urbanisation and mining. Not only is it cost-efficient and more easily accessible, but collecting polychaete fauna in intertidal habitats will also better reveal the true species richness of a number of common, under-represented polychaete families, such as Dorvilleidae, Lumbrineridae, Phyllodocidae and Scalibregmatidae (all with an Indonesian representation of two percent or less of the total global number of species). It will enable faunistic comparison with similar habitats in neighbouring areas, e.g., mangrove habitat of northern Australia (e.g., Metcalfe & Glasby, 2008), the coral reef habitat of north-eastern Australia (e.g., Hutchings, 2019), and other tropical habitats, e.g., the seagrass habitat of Brazil (e.g., Omena & Creed, 2004).

Special taxonomic attention may also be paid to polychaetes of direct significance to humans, e.g., the annually swarming *palolo* polychaetes consumed by natives of a number of Indonesian islands, most famously Lombok during February or March (Bachtiar & Bachtiar, 2019). Although the festival of *bau nyale* (English: catching *nyale*, i.e., the local name of the worms) has attracted many tourists to Lombok to witness various traditional performances linked to the local *nyale* myth (see the Ministry of Tourism, Republic of Indonesia, 2019), the species richness of *nyale* remains unknown to date. Presuming that *nyale* are similar to the *wawo* worms of Ambon, which comprise multiple species of eunicids and nereidids, taxonomic investigation of this fauna will certainly improve our knowledge of Indonesian reef-dwelling species. Further, taxonomic studies focusing on mangrove habitats may also lead to the discovery of indicator species useful for monitoring these threatened habitats, particularly those near industrial areas (e.g., Pamungkas, 2015b, 2017); species with the potential to be cultured for use as growth-stimulating feed for shrimps (e.g., Rahmad & Yuwono, 2000; Yuwono, 2005) are also common in mangrove habitats.

Specimen repositories. Our study clearly indicates that the small polychaete collection at the MZB, as well as those at the RCO and RCDS, do not represent well Indonesia's polychaete diversity. Resolving the issue of the lack of in-country storage of voucher collections is thus the first step to the safe-keeping of Indonesia's biodiversity heritage. Second, international collaborations could be encouraged by specifying an intention for eventual repatriation of polychaete collections back to accredited museums in Indonesia, particularly those collections that remain unidentified and type specimens. However, because the MZB is currently the only accredited institution, an agreement for future repatriation may serve to encourage collaboration and facilitate construction of other accredited institutions in Indonesia. Such positive action may be a good start to initiate collaboration between scientists and collection managers as well as to stimulate the taxonomic study of the polychaete fauna in the country.

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SUPPLEMENTARY MATERIAL

Table S1. GBIF record selection.

Task	Removed record	Remaining record
Initial download	0	1183
Removing records without species name *	719	464
Removing duplicates **	68	396
Clean records		396

Table S2. OBIS record selection.

Task	Removed record	Remaining record
Initial download	0	1523
Removing records without species name *	999	524
Removing duplicates **	91	433
Clean records		433

Table S3. GBIF and OBIS records merger.

Task	Removed record	Remaining record
Merging GBIF and OBIS records ***	0	829
Removing duplicates **	34	795
Removing non-polychaete records (Myzostomatidae)	11	784
Clean records		784
Species number		**300******

* Using the 'complete.cases' function in R.
** Using '!duplicated' function in R.
*** Using 'rbind' function in R.
**** Of this number, 133 species are different from the 580 valid polychaete species obtained from taxonomic publications.

Fig. S1. The Museum Zoologicum Bogoriense (MZB; left) showing the entire polychaete collection after being tidied up by the author (JP; right).

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