Checklist of parasites of labrid fishes (Pisces: Labridae)

Gabriela Muñoz and Pablo E. Díaz

Front cover figure: ***Malapterus reticulatus*** *from Robinson Crusoe Island, Juan Fernandez Archipelago, Chile. Photograph kindly provided by Pedro Niada Marin. Email: pedroniada@endemica.com*

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Listado de parásitos en peces lábridos (Pisces: Labridae)

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Abstract

Labrid fish, commonly known as wrasses, are distributed in tropical and subtropical marine areas. However, the majority of biological knowledge of labrids, including parasitological studies, derives from the Indo Pacific. This study provides a list of the parasite species reported in labrids around the world based on published references from different sources. Moreover, in this study we aim to record new data on parasites of 17 wrasses, one species from Robinson Crusoe Island in Chile, and the remaining 16 species from the GBR. A total of 338 records of parasite taxa were enlisted from 127 labrid species. Of these records, 212 parasites were identified at the species level, 67 were identified at the genus level, and the remaining records were identified at a higher taxonomic level. The endoparasites were more diverse than the ectoparasites; trematodes were the most common in endoparasites (134 species) and crustaceans were the most common in ectoparasites (44 species). This checklist was based on 176 published articles, adding some unpublished parasitological records in 17 wrasse species.

Resumen

Los peces lábridos son habitantes comunes de áreas tropicales y subtropicales. Sin embargo, la mayor parte del conocimiento biológico de los peces lábridos, incluyendo estdudios parasitológicos, proviene del Indo Pacífico. Este estudio provee de una lista de especies parásitas registradas en lábridos a nivel mundial basado en referencias publicadas en distintas fuentes. En este estudio además se entregan registros inéditos de parásitos de 17 lábridos, una especie de la isla Robinson Crusoe en Chile, y otras 16 especies del GBR, Australia. En total se reunió un listado de 338 resgistros de especies parásitas en 127 especies de labridos. De estos, 212 parásitos estaban a nivel de especie, 67 a nivel de género y el resto en un nivel taxonómico superior. Los endoparásitos fueron los más diversos, en el cual los tremátodos fueron los más numerosos (134 especies), mientras que los crustaceos fueron los más numerosos en los ectoparásitos (44 especies). Este listado se basó en 176 artículos publicados adicionando registros parasitológicos inéditos en 17 especies de labridos.

Introduction

Labrids (Pisces: Labridae), commonly called wrasses, are one of the most abundant fishes, comprising approximately 580 species (Choat & Bellwood 1996, Randall *et al.* 1997). Wrasses are an important component of the fauna of particular habitats, especially coral reefs. Diverse habitats also imply diverse parasite fauna, due the complex life cycles that most endoparasites have, which include several host species that develop their larval and adult stages. Labrid fishes exhibit significant parasite richness, although few studies have focused on their whole parasite communities (Campos & Carbonell 1994, Muñoz & Cribb 2005, 2006, Muñoz *et al.* 2007); the majority of parasite records are found in taxonomical descriptions of species. As a result, most information is spread out over many publications. The most well-known parasites of labrids derive from the Indo Pacific, i.e., Australia in the Great Barrier Reef (GBR) and the New Caledonian and Indonesian reefs.

Labrids are fish that are widely dispersed in tropical and subtropical marine waters (Choat & Bellwood 1996). Some species of labrids can live in temperate and subarctic environments, such as the waters around Greenland and Scotland (Choat & Bellwood 1996, Nelson 2006). Labrid fishes are distributed in the Pacific, Indo-Pacific, Indian, and Atlantic Oceans (Choat & Bellwood 1996, Lieske & Myers 1999). They are very common in the GBR, in Micronesia, and the Caribbean, Red, and Mediterranean Seas (Lieske & Myers 1999), although they can also be found in other localities, such as the South American Pacific (Ecuador, Peru, and Chile) and Atlantic coasts (Argentina) (Menni et al. 1984, Pequeño & Sáez 2000).

Parasite checklist of wrasses

We reviewed information from published references to determine the parasite species of wrasses and how many species are known. Our search was mainly based on electronic databases (Zoological Records and Web of Knowledge) and relatively accessible journals. We considered reports that indicated the fish species and parasites determined in any taxonomical level (i.e., species, genus, family or order). All of these reports were published between 1901 and 2014. Information from previuos checklists of parasites in labrids was also used to complete this checklist (e.g., Hewitt & Hine 1972, Lester & Sewell 1989, Rigby et al. 1999). Moreover, unpublish parasitological data of 17 wrasse species were also considered (Table 1), one species from Robinson Crusoe Island (central Chile), and 16 species from the GBR.

In addition, we included drawings of 70 parasite taxa that can be used as references to recognize some parasites, especially by young researchers who recently started studying the parasites of labrids.

What we found

A total of 176 scientific articles published in different journals and countries about eumetazoan parasites of labrids were considered in the present checklist. The information given in this list includes: parasite species, taxonomic classification, host species, site of infection and bibliographic references.

New records of parasites

Of the 37 specimens of *Malapterus reticulatus* from the rocky subtidal zone of "El Palillo" on Robinson Crusoe island located within the Juan Fernandez Archipelago (33º 40'S, 79º 00'W), 14 fish were parasitized (32.4% of prevalence) on the body surface by one parasite species, the copepod *Lepeophtheirus* sp. (Table 1). No other parasite species were found on this fish.

Thirty-one labrid specimens belonging to 16 species were collected from Lizard Island (14º 40'S, 145º 27'E). Most of these species had parasites, with the exception of *Macropharyngodon meleagris* (Table 1). Despite the small sample size of these fishes (1–5 specimens), several parasite species were found in each labrid species. Thirty-four parasite taxa were recorded; most of them had been already recorded in other fish from the GBR. The most common parasites included gnathid isopods and tetrphyllidean cestodes. Two fish species, *Halichoeres chloropterus* and *Hemigymnus fasciatus*, exhibited the greatest parasite richness (Table 1).

Table 1. Labrid species collected at Lizard Island (Australia) and Robinson Crusoe Island (Chile), and the range of abundance and total richness of parasites found in each fish species.

Fish species	N° Fish collected	Fish body Length (cm)	N° Fish parasitized	Parasite abundance	Parasite richness
Anampses geographicus Valenciennes, 1840*	1	19.0	1	20	3
Anampses neoguinaicus Bleeker, 1856*	4	7.3-16.5	3	0-7	7
Bodianus axillaris (Bennett, 1982)*	2	15.0-21,3	2	3-7	1
Cheilinus undulatus Rüpell, 1835*	1	22.5	1	186	5
Choerodon anchorago (Bloch, 1791)*	1	24.5	1	19	4
Choerodon fasciatus (Günther, 1867)*	2	18.1-20.6	2	49-59	6
Choerodon schoenleinii (Valenciennes, 1839)*	2	30.2-53	2	28-89	6
Choerodon venustus (De Vis, 1884)*	1	25.5	1	35	4
Halichoeres chloropterus (Bloch, 1791)*	5	8.1-18.2	5	4-29	13
Halichoeres hortulanus (Lacepède, 1801)*	2	12.8-15	2	2-4	3
Halichoeres trimaculatus (Quoy and Gaimard, 1834)*	1	12.9	1	3	3
Hemigymnus fasciatus (Bloch, 1792)*	2	10.7-19	2	45-176	10
Labrichthys unilineatus(Guichenot, 1847)*	4	8.6-14.7	1	1	1
Macropharyngodon meleagris (Valenciennes, 1839)*	1	13.5	0	0	0
Malapterus reticulatus Valenciennes 1839†	37	9.5-24.5	14	0-7	1
Stethojulis trilineata (Bloch and Schneider, 1801)*	1	8.4	1	10	3
Thalassoma lutescens (Lay and Bennett, 1839)*	1	11.2	1	39	5

*Fish collected between August 2002 and May 2004, Australia.

†Fish collected between February and March 2008, Chile.

Parasite records

Ectoparasites were well represented by crustaceans (Arthropoda), with 44 species at the species level and 14 other records of parasites identified in higher taxonomical levels (Fig. 1; Table 2). Crustaceans were also well distributed in labrid fishes (Table 2) than any other ectoparasite group. Copepoda contained 34 species.

Endoparasites were mainly represented by Trematoda (Platyhelminthes), with 134 species and 25 records in other taxonomical levels (Fig. 1, Table 2). Also, this group of endoparasite was well-distributed in labrid fishes (Table 2). Cestoda was other well-represented group, but most of the records (n= 30) refer to morphotypes or morphospecies rather than species (Fig. 1), and mainly registered at the order level (Fig. 1). All cestode species found in labrids were at the larval stages.

Ectoparasites and endoparasites are separately listed in Tables 3 and 4, respectively. The parasites of labrid fishes recorded in this study, as new data, are indicated in the checklist tables (Tables 3 and 4) as "Present study."

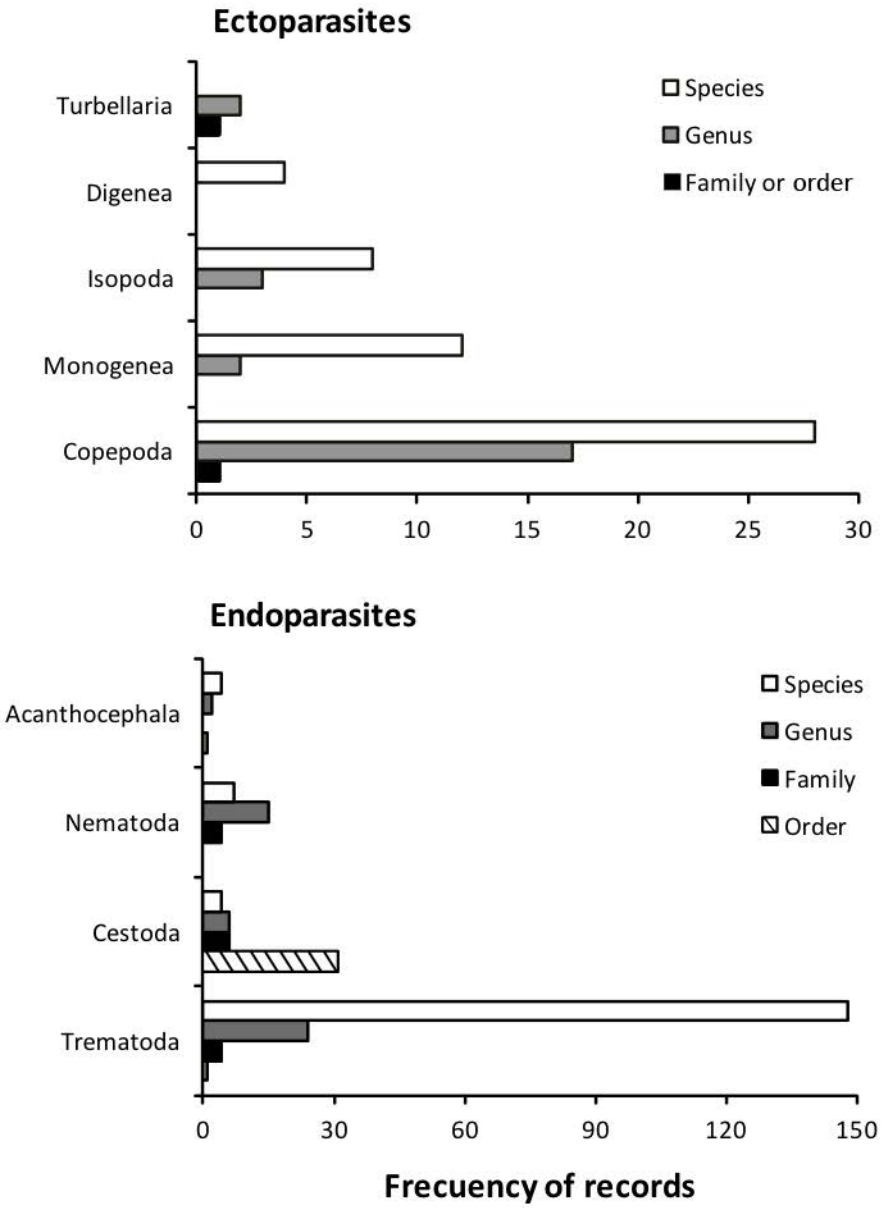

Fig. 1: Frequency of records in ectoparasites and endoparasites, identified at different taxonomic levels, from labrid fish.

Table 2. Summary of the number of parasite taxa and fish host species recorded in the present checklist.

Parasite taxa	N° of orders	N° of families	N° of genera	N° of species*	N° of species (genus level)	N° of host species
ECTOPARASITES						
Turbellaria	2	2	2	--	2	7
Trematoda	1	1	1	4	--	10
Monogenea	2	5	9	12	2	21
Annelida	1	1	1	1	--	1
Crustacea	3	10	4	44	15	60
ENDOPARASITES						
Cestoda	4	10	10	4	4†	32
Trematoda	3	24	85	134	25	58
Nematoda	2	7	14	9	17	28
Acanthocephala	1	4	4	4	2	16
TOTAL	19	64	130	212	67	127††

* Identifications at spcecies level.

† Cetodes determined as morphotypes and *Scolex pleuronectis* were not considered.

†† Total number of hosts recorded in this checklist (it is not the sum of hosts recorded for each parasite taxa).

New host records for parasites

Malapterus reticulatus exhibited a low abundance and diversity of parasites; only one parasite species was recorded (*Lepeophtheirus* sp.). This result is not rare for fishes from the Juan Fernandez Archipelago, because previously a low diversity had been recorded in fishes from these islands (Díaz & Muñoz 2010 a, b). Some characteristics of this insular system could possibly shed light on the limited richness of parasites, including currents, topography and oceanographic features (Pequeño & Sáez 2000). These characteristics lead to isolated systems, with a high endemism and low fauna diversity compared with surrounding places on continental Chile; this result holds true for several vertebrates and invertebrates (Lancellotti & Vásquez 2000), including the parasites. However, labrids from the coral reef have been characterized by high parasite richness (Muñoz *et al.* 2007), and sometimes with high parasite abundances (Muñoz & Cribb 2005), so it is not surprising that labrids from this habitat, notwithstanding the small sample sizes (Table 1), possess several parasites species (Tables 3 and 4). The parasite richness of labrids may also reflect the high diversity of species in the ecosystem. A diverse ecosystem may exert evolutionary pressure on the parasites to use a wide range of host species to increase the chance of reaching a definitive host.

We have empirically recorded 15 ectoparasites and 21 endoparasites (without considering the taxonomical levels) in the 17 fishes analyzed, although most of these parasites were already recorded in other studies. Therefore, the contribution of this work was to indicate new hosts for several parasite species.

Issues with the taxonomy of parasites

This checklist also reveals significant issues in taxonomy for all parasite groups; 212 parasite records were at the species level (Fig. 1, Table 2), but another 67 records were made at a higher taxonomical level, such as genus, family or order. Trematoda is a diverse parasite group and is well represented in labrids (Fig. 1, Table 2), but also it is better studied in taxonomy because 91 articles referring to labrids refer to descriptions and systematics of these parasites.

Cestoda was also a diverse group in labrids,

but they are in the larval stage, which inhibits identification because larvae exhibit few morphological structures, In fact only 4 cestode species were identified at a specific level (Table 2). Due to the difficulties to identify cestode larvae, Chambers *et al.* (2000) classified Tetraphyllidea as "morphotypes," which is a methodology also followed by Muñoz *et al.* (2007) and also used in this study. In total, 30 tetraphyllidean morphotypes were recorded in labrids (Table 4). Each morphotype may represent a genus or a species, therefore, if we classified 30 tetraphyllidean morphotypes, there could be at least 30 species.

Gnathid isopods are also difficult to identify at the species level, because they possess three parasitic larval stages on coral reef fishes. The larval stages do not differ considerably between species; in this context, taxonomy is conducted in the adult stages (Farquharson *et al.* 2012). Considering that gnathids are abundant on labrids from coral reefs, the taxonomy of this group requires additional attention. Muñoz *et al.* (2007) classified morphotypes based on pigmentation patters, but this feature is variable among larval stages. As a result, in our checklist we only used *Gnathia* spp. rather than morphotypes.

Poulin & Morand (2004) found that parasite diversity was directly related to the number of published studies. These authors also noted that when there are taxonomist groups focused on some area, a large number of species is recovered in that group. In this checklist of parasites, we found that most of the studies about parasites were taxonomical studies (108 out of 176), particularly for trematodes (n= 92), which is related to the large number of trematode species in labrids. Similarly, in other geographic areas, the parasites that were studied the most were also the most diverse (Muñoz & Olmos 2007). We conclude that additional studies of the taxonomy of parasite groups are necessary, particularly those parasites in the larval stages (cestodes and gnathid isopods), which are abundant and frequent in labrid fishes.

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Permissions

Allen Press gave permission to use the figures # 25 to # 49 of this checklist, which had been published in the article "Structure of the metazoan parasite communities in a fish assemblage (Labridae): Testing ecological and phylogenetic factors", Journal of Parasitology 93(1): 17-30 (2007). All the other figures used in this work were made by the authors (G. Muñoz and P. Díaz).

Synonyms for fish hosts

Halichoeres bivittatus (Syn. *Iridio bivittatus*)

Halichoeres radiatus (Syn. *Iridio radiatus*)

Halichoeres scapularis (Syn. *Platyglossus scapularis*)

Labrus viridis (Syn. *Labrus luscus, L. turdus*)

Notolabrus fucicola (Syn. *Pseudolabrus pittensis*)

Oxycheilinus orientalis (Syn. *Cheilinus rhodochrous*)

Symphodus doderleini (Syn. *Ctenolabrus doderleini*)

Symphodus mediterraneus (Syn. *Crenilabrus mediterraneus*)

Symphodus melops (Syn. *Crenilabrus melops*)

Symphodus roissali (Syn. *Crenilabrus roissali, C. quinquemaculatus*)

Symphodus tinca (Syn. *Crenilabrus pavo*)

Symphodus rostratus (Syn. *Crenilabrus scina*)

Thalassoma purpureum (Syn. *Thalassoma umbostigma*)

Thalassoma trilobatum (Syn. *Thalassoma fuscus*)

Table 3. List of metazoan ectoparasites found in fishes of Labridae from published articles around the world, including species recorded in this study. Orders, families and genera of the parasites are organized alphabeticaly. Site of infection [BS: body surface (*: beneath the scales), EO: eye orbits, CF: caudal fin, GC: gill cavity, Gl: Gills, LLC: lateral line canal (: head), OC: opercular chamber], stage of the parasites (refering to their maturity; a: adults, I: pre adults or inmature adults; L: larva) and references are indicated for each parasite species listed.**

Ectoparasites	Hosts	Site of infection	Stage	References
Phyllum: Platyhelminthes				
Class: Turbellaria				
Order: Prolecithophora				
Family: Urastomidae				
Icthyophaga spp. (Figs. 2-3)	*Cheilinus fasciatus*	BS	A	Muñoz *et al.* (2007)
	Hemigymnus fasciatus	BS	A	Muñoz *et al.* (2007)
	Hemigymnus melapterus	BS	A	Grutter (1994), Muñoz & Cribb (2005)
Unidentified species	*Choerodon schoenleinii*	Gl	I	Present study
	Thalassoma hardwicke	Gl	I	Muñoz *et al.* (2007)
Order: Rhabdocoela				
Family: Graffillidae				
Paravortex sp. (Fig. 4)	*Cheilinus chlorourus*	BS	A	Muñoz *et al.* (2007)
	Hemigymnus melapterus	BS	A	Grutter (1994), Muñoz & Cribb (2005)
	Oxycheilinus digramma	BS, Gl	A	Muñoz *et al.* (2007)
Class: Trematoda				
Subclass: Digenea				
Order: Plagiorchiida				
Family: Transversotrematidae				
Transversotrema elegans Hunter, Ingram, Adlard, Bray & Cribb, 2010	*Choerodon graphicus*	BS (*)	A	Hunter *et al.* (2010)
	Choerodon venustus	BS (*)	A	Hunter *et al.* (2010)
	Gomphosus varius	BS (*)	A	Hunter *et al.* (2010)
	Hemigymnus melapterus	BS (*)	A	Hunter *et al.* (2010)
Transversotrema haasi Witenberg, 1944	*Gomphosus varius*	BS (*)	A	Muñoz *et al.* (2007)
	Choerodon schoenleinii	BS (*)	A	Present study
	Choerodon venustus	BS (*)	A	Lester & Sewell (1989), Cribb *et al.* (1992)
	Oxycheilinus digramma	BS (*)	A	Velasquez (1975), Bray *et al.* (1993)
Transversotrema licinum Manter, 1970	*Halichoeres chloropterus*	BS (*)	A	Present study

Ectoparasites	Hosts	Site of infection	Stage	References
	Thalassoma hardwicke	BS (*)	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	BS (*)	A	Muñoz *et al.* (2007)
	Thalassoma lunare	BS (*)	A	Grutter (1994)
Transversotrema damsella Hunter & Cribb, 2012	*Thalassoma hardwicke*	BS (*)	A	Hunter & Cribb (2012)
Class: Monogenea				
Order: Monopisthocotylea				
Family: Ancyrocephalidae				
Haliotrema banana Lim & Justine 2007	*Bodianus perditio*	Gl	A	Lim & Justine (2007)
Haliotrema bodiani Yamaguti, 1968	*Bodianus bilunulatus*	Gl	A	Yamaguti (1968)
Sinodiplectanotrema argyromus Zhang & Wang, 2001	*Halichoeres nigrescens*	Gl	A	Jianying *et al.* (2003)
Family: Capsalidae				
Benedenia bodiani Yamaguti, 1968	*Bodianus bilunulatus*	BS	A	Yamaguti (1968)
Benedenia epinepheli (Yamaguti, 1968)	*Semicossyphus reticulatus*	BS	A	Whittingtong *et al.* (2001)
Benedenia lolo Yamaguti, 1968	*Coris flavovittata*	BS	A	Yamaguti (1968)
	Coris gaimard	BS	A	Yamaguti (1968)
	Coris sp.	BS	A	Whittingtong *et al.* (2001)
Benedenia c.f. *lolo* Yamaguti, 1968 (Fig. 5)	*Oxycheilinus digramma*	BS	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	BS	A	Muñoz *et al.* (2007)
Benedenia sp.	*Hemigymnus melapterus*	BS	A	Grutter (1998)
Encotyllabe paronae Monticelli, 1907	*Symphodus mediterranues*	Gl	A	Papoutsoglou (1976)
Neobenedenia melleni (MacCallum, 1927)	*Bodianus bilunulatus*	BS	A	Whittingtong *et al.* (2001)
	Bodianus rufus	BS	A	Whittington & Horton (1996)
	Bodianus scrofa	BS	A	Whittington & Horton (1996)
	Lachnolaimus maximus	BS	A	Whittington & Horton (1996)
	Semicossyphus pulcher	BS	A	Whittington & Horton (1996)
	Tautoga onitis	BS	A	Whittington & Horton (1996)

Ectoparasites	Hosts	Site of infection	Stage	References
	Thalassoma pavo	BS	A	Whittington & Horton (1996)
Family: Gyrodactylidae				
Gyrodactylus adspersi Cone & Wiles, 1983	*Tautogolabrus adspersus*	Gl	A	Cone & Wiles (1983), Cone & Odense (1984)
Order: Polypisthocotylea				
Family: Microcotylidae				
Microcotyle donavini van Beneden & Hesse, 1863	*Centrolabrus exoletus*	Gl	A	Treasurer (1997)
	Ctenolabrus rupestris	Gl	A	Treasurer (1997)
	Labrus bergylta	Gl	A	Treasurer (1997)
Polylabris halichoeres Wang & Yang, 1998	*Halichoeres nigrescens*	Gl	A	Jianying *et al.* (2003)
Polylabris sp. (Fig. 6)	*Coris batuensis*	Gl	A	Muñoz *et al.* (2007)
	Halichoeres chloropterus	Gl	A	Present study
Family: Tetraonchoididae				
Pseudotetraonchoides halichoeres Zhang, Liu & Ding, 1997	*Halichoeres poecilopterus*	Gl	A	Jianying *et al.* (2003)
Phylum: Annelida				
Class: Hirudinea				
Order: Clitellata				
Family: Piscicolidae				
Trachelobdella lubrica (Grube, 1840)	*Lachnolaimus maximus*	BS, Gl	A	Williams (1982)
Phylum: Arthropoda				
Subphylum: Crustacea				
Class: Malacostraca				
Order: Isopoda				
Family: Corallanidae				
Argathona macrocephala (Bleeker, 1867) (Fig. 7)	*Cheilinus trilobatus*	BS	I	Muñoz *et al.* (2007)
	Cheilinus fasciatus	BS	I	Muñoz *et al.* (2007)
	Choerodon schoenleinii	Gl	I	Present study
Argathona c.f *stebblingi* Nierstrasz, 1931 (Fig. 8)	*Cheilinus trilobatus*	BS	I	Muñoz *et al.* (2007)
	Cheilinus fasciatus	BS, Gl	I	Muñoz *et al.* (2007)

Ectoparasites	Hosts	Site of infection	Stage	References
Family: Cymothoidae				
Anilocra frontalis Milne-Edwards, 1840	*Hemigymnus melapterus*	BS	A	Grutter (1994)
Anilocra nemipteri Bruce, 1987	*Labrus bergylta*	BS	A	Dollfus & Trilles (1976)
	Labrus merula	BS	A	Dollfus & Trilles (1976)
	Labrus viridis	BS	A	Trilles (1975)
	Symphodus melops	BS	A	Nieto & Alberto (1994)
	Symphodus ocellatus	BS	A	Trilles (1979)
	Symphodus roissali	BS	A	Trilles (1975)
	Symphodus tinca	BS		Ramdane *et al.* (2007)
Anilocra sp.	*Hemigymnus melapterus*	BS	A	Grutter (1994)
Nerocila bivittata (Risso, 1816)	*Symphodus tinca*	Fi	A	Ramdane *et al.* (2007)
Nerocila orbignyi (Guérin-Mèneville, 1832)	*Symphodus melops*	BS	A	Trilles (1975)
	Symphodus roissali	BS	--	Papoutsoglou (1976)
	Symphodus tinca	BS	A	Papoutsoglou (1976), Campos & Carbonell (1994), Oguz & Öktener (2007), Ramdane *et al.* (2007)
Nerocila japonica Schioedte & Meinert, 1881	*Pseudolabrus* sp.	Fi	A	Yamauchi & Nagasaka (2012)
Family: Gnathiidae				
Gnathia grutterae Ferreira, Smit & Davies, 2010	*Oxycheilinus digramma*	BS	L	Ferreira *et al.* (2010)
	Epibulus insidiator	BS	L	Ferreira *et al.* (2010)
	Hemigymnus melapterus	BS	L	Ferreira *et al.* (2010)
	Thalassoma lunare	BS	L	Ferreira *et al.* (2010)
Gnathia maxillaris (Montagu, 1804)	*Coris julis*	BS	L	Papoutsoglou (1976)
	Labrus merula	BS	L	Papoutsoglou (1976)
	Labrus viridis	BS	L	
	Symphodus roissali	BS	L	Papoutsoglou (1976)
	Symphodus rostatus	BS	L	Papoutsoglou (1976)
	Symphodus tinca	BS	L	Papoutsoglou (1976)
Gnathia vorax (Lucas, 1849)	*Labrus merula*	BS	L	Campos & Carbonell (1994)
	Symphodus tinca	BS	L	Campos & Carbonell (1994)

Ectoparasites	Hosts	Site of infection	Stage	References
Gnathia spp. (Fig. 9)	*Anampses geographicus*	BS	L	Present study
	Anampses neoguinaicus	BS	L	Present study
	Bodianus axillaris	BS	L	Present study
	Cheilinus chlorourus	BS, Gl	L	Muñoz *et al.* (2007)
	Cheilinus fasciatus	BS, Gl	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	BS, Gl	L	Muñoz *et al.* (2007)
	Cheilinus undulatus	BS, Gl	L	Present study
	Choerodon ancharago	BS	L	Present study
	Choerodon fasciatus	BS	L	Present study
	Choerodon schoenleinii	BS	L	Present study
	Choerodon venustus	BS	L	Present study
	Coris batuensis	BS, Gl	L	Muñoz *et al.* (2007)
	Epibulus insidiator	BS, Gl	L	Muñoz *et al.* (2007)
	Gomphosus varius	BS	L	Muñoz *et al.* (2007)
	Halichoeres chloropterus	BS	L	Present study
	Halichoeres hortulanus	BS	L	Present study
	Halichoeres melanurus	BS	L	Muñoz *et al.* (2007)
	Halichoeres trimaculatus	BS	L	Present study
	Hemigymnus fasciatus	BS, Gl	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	BS, Gl	L	Jones & Grutter (2005), Muñoz *et al.* (2007)
	Oxycheilinus digramma	BS	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	BS	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	BS	L	Muñoz *et al*. (2007)
	Thalassoma hardwicke	BS	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	BS, Gl	L	Muñoz *et al.* (2007)
	Thalassoma lunare	BS	L	Muñoz *et al.* (2007)
Unidentified gnathid species	*Cheilinus chlorourus*	BS	L	Grutter & Poulin (1998)
	Choerodon cyanodus	BS	L	Grutter & Poulin (1998)
	Choerodon fasciatus	BS	L	Grutter & Poulin (1998)
	Halichoeres marginatus	BS	L	Grutter & Poulin (1998)
	Hemigymnus fasciatus	BS	L	Grutter & Poulin (1998)
	Hemigymnus melapterus	BS	L	Grutter (1994, 1998, 1999), Grutter & Poulin (1998), Grutter *et al.* (2000), Muñoz & Cribb (2005)
	Thalassoma lunare	BS	L	Grutter (1994), Grutter & Poulin (1998)
	Thalassoma lutescens	BS	L	Grutter & Poulin (1998)

Ectoparasites	Hosts	Site of infection	Stage	References
Class: Maxillopoda				
Order: Siphonostomatoida				
Family: Caligidae				
Belizia brevicauda Cressey, 1990	*Clepticus parrae*	BS	A	Cressey (1990)
Caligus centrodonti Baird, 1850	*Centrolabrus exoletus*	BS	A	Bron & Treasurer (1992), Treasurer (1997)
	Ctenolabrus rupestris	BS	A	Bron & Treasurer (1992), Treasurer (1997)
	Labrus bergylta	BS	A	Bron & Treasurer (1992), Treasurer (1997)
	Labrus merula	BS	A	Campos & Carbonell (1994)
	Symphodus melops	BS	A	Benmansour & Ben Hassine (1998), Raibaut *et al.* (1998)
Caligus elongatus Nordmann, 1832	*Ctenolabrus rupestris*	BS	A	Bron & Treasurer (1992), Treasurer (1997)
	Labrus bergylta	BS	A	Bron & Treasurer (1992), Treasurer (1997)
	Symphodus tinca	OC	A	Benmansour & Ben Hassine (1998), Raibaut *et al.* (1998)
Caligus triangularis Shiino, 1954	*Halichoeres poecilopterus*	BS	A	Shiino (1952)
	Oxycheilinus digramma	BS	A	Muñoz *et al.* (2007) [1]
Caligus brevis Shiino, 1954	*Pseudolabrus celidotus*	BS	A	Hewitt (1963) *fide* Hewitt & Hine (1972)
	Pseudolabrus miles	BS	A	Hewitt (1963) *fide* Hewitt & Hine (1972)
	Pseudolabrus pittensis	BS	A	Hewitt (1963) *fide* Hewitt & Hine (1972)
Caligus hyalinus Czerniavsky, 1868	*Symphodus cinereus*	BS	A	Raibaut *et al.* (1998)
	Symphodus ocellatus	BS	A	Raibaut *et al.* (1998)
Caligus minimus Otto, 1821	*Labrus merula*	BS	A	Tanrikul & Percin (2012)
Caligus sp. 1 (Figs. 10-11)	*Epibulus insidiator*	BS	A	Muñoz *et al.* (2007)
	Halichoeres hortulanus	BS	A	Present study
Caligus sp. 2 (Figs. 12-13)	*Cheilinus chlorourus*	BS	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	BS	A	Muñoz *et al.* (2007)

1. Indicated as *Caligus* sp. 7

Ectoparasites	Hosts	Site of infection	Stage	References
	Cheilinus trilobatus	BS	A	Muñoz *et al.* (2007)
Caligus sp. 3 (Figs. 14-15)	*Cheilinus fasciatus*	BS	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	BS	A	Muñoz *et al.* (2007)
Caligus sp. 4 (Fig. 16)	*Cheilinus fasciatus*	BS	A	Muñoz *et al.* (2007)
	Choerodon fasciatus	BS	A	Present study
	Epibulus insidiator	BS	A	Muñoz *et al.* (2007)
Caligus sp. 5 (Fig. 17)	*Cheilinus fasciatus*	BS	A	Muñoz *et al.* (2007)
	Thalassoma lunare	BS	A	Muñoz *et al.* (2007)
Caligus sp. (Chalimus) (Fig. 18)	*Choerodon schoenleinii*	BS	L	Present study
Lepeophtheirus chilensis Wilson, 1905	*Semicossyphus darwini*	BS	A	Castro & Baeza (1984)
Lepeophtheirus scutiger Shiino , 1952	*Pseudolabrus celidotus*	BS	A	Hewitt (1963) *fide* Hewitt & Hine (1972)
	Pseudolabrus miles	BS	A	Hewitt (1963) *fide* Hewitt & Hine (1972)
	Pseudolabrus pittensis	BS	A	Hewitt (1963) *fide* Hewitt & Hine (1972)
Lepeoptheirus dissimulatus Wilson, 1905	*Semicossyphus darwini*	BS	A	Castro & Baeza (1981)
Lepeoptheirus frecuens Castro & Baeza, 1984	*Semicossyphus darwini*	BS	A	Castro & Baeza (1984)
Lepeophtheirus lewisi Hewitt, 1971 (Syn. *Dentigryps bifurcatus* Lewis, 1964) (Figs. 19-20)	*Cheilinus chlorourus*	BS	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	BS	A	Muñoz *et al.* (2007)
Lepeophtheirus sp.	*Cheilinus fasciatus*	BS	A	Muñoz *et al.* (2007)
	Malapterus reticulatus	BS	A	Present study
Unidentified caligid	*Hemigymnus melapterus*	BS	L	Grutter (1994)
Family: Hatschekidae				
Hatschekia affluens Castro & Baeza, 1986	*Semicossyphus darwini*	Gl	A	Castro & Baeza (1986), Villalba (1986)

Ectoparasites	Hosts	Site of infection	Stage	References
Hatschekia bodiani Nunes-Ruivo, 1954	*Bodianus iagonensis*	Gl	A	Jones (1985)
Hatschekia branchiostegi Yamaguti, 1939	*Halichoeres poecilopterus*	Gl	A	Jones (1985)
Hatschekia cluthae (Scott, 1902)	*Centrolabrus exoletus*	Gl	A	Treasurer (1997)
	Ctenolabrus rupestris	Gl	A	Jones (1985), Treasurer (1997)
	Labrus bergylta	Gl	A	Jones (1985), Treasurer (1997)
	Symphodus melops	Gl	A	Treasurer (1997)
	Symphodus rostratus	Gl	A	Papoutsoglou (1976), Jones (1985)
Hatschekia damianii Brian, 1906	*Symphodus tinca*	Gl	A	Raibaut *et al.* (1998)
Hatschekia gerro Leigh-Sharpe, 1936	*Labrus viridis*	Gl	A	Jones (1985)
Hatschekia girelli Jones & Cabral, 1990	*Thalassoma fuscum*	Gl	A	Jones & Cabral (1990)
Hatschekia hemigymni Kabata, 1991 (Fig. 21)	*Hemigymnus melapterus*	Gl	A, I	Kabata (1991), Grutter (1994), Muñoz & Cribb (2005), Muñoz *et al.* (2007)
Hatschekia japonica Jones, 1985	*Choerodon azurio*	Gl	A	Jones (1985)
Hatschekia labracis (Van Beneden, 1871)	*Labrus bergylta*	Gl	A	Jones (1985)
	Labrus festivus	Gl	A	Jones (1985)
	Labrus maculatus	Gl	A	Jones (1985)
	Labrus merula	Gl	A	Jones (1985), Campos & Carbonell (1994)
	Labrus mixtus	Gl	A	Jones (1985), Treasurer (1997)
	Labrus trimaculatus	Gl	A	Jones (1985)
	Symphodus melops	Gl	A	Treasurer (1997)
	Symphodus tinca	Gl	A	Jones (1985)
Hatschekia linearis Wilson, 1913	*Lachnolaimus maximus*	Gl	A	Jones (1985)
Hatschekia napoleoni Jones & Cabral, 1990	*Cheilinus undulatus*	Gl	A	Jones & Cabral (1990)
Hatschekia parva Pearse, 1951	*Lachnolaimus maximus*	Gl	A	Jones (1985)
Hatschekia pseudolabri Yamaguti, 1953	*Bodianus vulpinus*	Gl	A	Jones (1985)

Ectoparasites	Hosts	Site of infection	Stage	References
	Pseudolabrus japonicus	Gl	A	Jones (1985)
Hatschekia pygmea Scott & Scott, 1913	*Crenilabrus parvo*	Gl	A	Jones (1985)
	Ctenolabrus rupestris	Gl	A	Jones (1985)
	Labrus merula	Gl	A	Jones (1985), Raibaut *et al.* (1998)
	Labrus viridis	Gl	A	Jones (1985), Raibaut *et al.* (1998)
	Symphodus cinereus	Gl	A	Papoutsoglou (1976), Jones (1985), Raibaut *et al.* (1998)
	Symphodus mediterraneus	Gl	A	Papoutsoglou (1976), Jones (1985), Benmansour & Ben Hassine (1998), Raibaut *et al.* (1998)
	Symphodus melops	Gl	A	Jones (1985)
	Symphodus roissali	Gl	A	Papoutsoglou (1976), Jones (1985)
	Symphodus tinca	Gl	A	Papoutsoglou (1976), Jones (1985), Campos & Carbonell (1994), Raibaut *et al.* (1998)
Hatschekia sp. 1	*Cheilinus chlorourus*	Gl	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	Gl	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	Gl	A	Muñoz *et al.* (2007)
	Epibulus insidiator	Gl	A	Muñoz *et al.* (2007)
	Oxycheilinus digramma	Gl	A	Muñoz *et al.* (2007)
Hatschekia sp. 2	*Choerodon schoenleinii*	Gl	A	Present study
Hatschekia sp. 3	*Labrichthys unilineatus*	Gl	A	Present study
Hatschekia sp. 4	*Choerodon fasciatus*	Gl	A	Present study
Family: Penellidae				
Lernaeolophus aceratus Ho & Honma, 1988	*Halichoeres tenuispinis*	Gl	A	Honma & Ho (1988)
Order: Poecilostomatoida				
Family: Bomolochidae				
Orbitacolax hapalogenyos Yamaguti & Yamuso, 1959	*Choerodon fasciatus*	BS	A	Lester & Sewell (1989)
Orbitacolax williamsi Cressey & Cressey, 1989 (Fig. 22)	*Cheilinus chlorourus*	BS	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	BS, EO	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	BS	A	Muñoz *et al.* (2007)
	Cheilinus undulatus	BS	A	Present study
	Choerodon fasciatus	BS	A	Present study

Ectoparasites	Hosts	Site of infection	Stage	References
	Coris batuensis	BS	A	Muñoz *et al.* (2007)
	Epibulus insidiator	BS, EO	A	Muñoz *et al.* (2007)
	Gomphosus varius	BS	A	Muñoz *et al.* (2007)
	Halichoeres chloropterus	BS	A	Present study
	Halichoeres hortulanus	BS	A	Present study
	Hemigymnus fasciatus	BS	A	Muñoz *et al.* (2007)
	Hemigymnus melapterus	BS	A	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
	Oxycheilinus digramma	BS	A	Muñoz *et al.* (2007)
	Thalassoma hardwicke	BS	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	BS	A	Muñoz *et al.* (2007)
Orbitacolax sp.	*Thalassoma lunare*	BS	A	Grutter (1994)
Acanthocolax sp.	*Hemigymnus melapterus*	BS	A	Grutter (1994)
	Thalassoma lunare	BS	A	Grutter (1994)
Family: Chondracanthidae				
Pharodes clini (Vaney & Conte, 1900)	*Symphodus ocellatus*	Gl	--	Raibaut *et al.* (1998)
Family: Lernanthropidae				
Lernanthropus breviculus Kabata, 1979	*Cheilinus chlorourus*	Gl	A	Kabata (1979)
Lernanthropus sp. (Figs. 23-24)	*Bodianus axillaris*	Gl	A	Present study
	Cheilinus chlorourus	Gl	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	Gl	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	Gl	A	Muñoz *et al.* (2007)
	Choerodon anchorago	Gl	A	Present study
	Epibulus insidiator	Gl	A	Muñoz *et al.* (2007)
	Oxycheilinus digramma	Gl	A	Muñoz *et al.* (2007)
Family: Taeniacanthidae				
Taeniacanthus sp.	*Choerodon fasciatus*	BS	A	Present study
	Choerodon schoenleinii	BS	A	Present study
Family: Philichthyidae				
Colobomatus doderleini (Richiardi, 1883)	*Labrus merula*			Raibaut *et al.* (1998)
Leposphilus labrei Hesse, 1866	*Centrolabrus exoletus*	LLC (**)	A	Treasurer (1997), Quignard (1968)
	Coris julis	LLC (**)	A	Quignard (1968)

Ectoparasites	Hosts	Site of infection	Stage	References
	Labrus bergylta	--	--	Quidor (1936) *fide* Boxshall (2014), Delamare-Deboutteville (1962) *fide* Boxshall (2014)
	Symphodus mediterraneus	--	--	Raibaut *et al.* (1998)
	Symphodus melops	LLC	A	Donnelly & Reynolds (1994), Treasurer (1997)
	Symphodus rostratus	--	--	Raibaut *et al.* (1998)
	Symphodus tinca	--	--	Raibaut *et al.* (1998)

Table 4. List of metazoan endoparasites found in fishes of Labridae from published articles around the world, including species recorded in this study. Orders, families and genera of the parasites are organized alphabeticaly. The site of infection [AT: alimentary tract; BC: body cavity; Bo: bones; BV: blood vessels; Du: duodenum; Fl: flesh; GB: gall-bladder; Go: gonads; He: heart; In: Intestine, (A) anterior, (M) mid, (P) posterior; SW: swim bladder; Me: mesentery, Mu: muscles; PC: Pyloric caeca, PeC: pericardial cavity, Re: Rectum, Sp: spleen, St: stomach, UB: urinary bladder, Vi: viscera] stage of the parasites (refering to maturity; A: adult, L: larva, E: eggs, M: metacercaria specifically for digeneans) and references are indicated for each parasite species listed.

Endoparasites	Hosts	Site of Infection	Stage	References
Phylum: Platyhelminthes				
Class: Cestoda				
Order: Diphyllidea				
Family: Echinobothriidae				
Echinobothrium sp.	*Labrus merula*	BC	L	Campos & Carbonell (1994)
Order: Pseudophyllidea				
Family: Bothriocephalidae				
Bothriocephalus sp.	*Tautogolabrus adspersus*	--	--	Billiard & Khan (2003)
Family: Amphicotylidae				
Eubothrium sp.	*Tautogolabrus adspersus*	--	--	Billiard & Khan (2003)
Unidentified pseudophyllideans	*Hemigymnus melapterus*	BC	L	Muñoz & Cribb (2005)
	Thalassoma lunare	BC	L	Muñoz *et al.* (2007)
	Tautogolabrus adspersus	In (A)	L	Sekhar (1969)
Order: Tetraphyllidea				
Family: Onchobothriidae				
Calliobothrium sp.	*Coris julis*	--	--	Papoutsoglou (1976)
	Labrus merula	--	--	Papoutsoglou (1976)
	Labrus viridis	--	--	Papoutsoglou (1976)
	Symphodus mediterraneus	--	--	Papoutsoglou (1976)
	Symphodus rostratus	--	--	Papoutsoglou (1976)
Familly: not determined				
Scolex pleuronectis Müller, 1788 (*Insertae sedis*) [2]	*Labrus merula*	In	L	Campos & Carbonell (1994)
	Symphodus tinca	In	L	Campos & Carbonell (1994)
	Symphodus ocellatus	In	L	Radujković & Śundic (2014)
Scolex pleuronectis bilocularis Müller, 1788 (*Insertae sedis*) [2]	*Tautogolabrus adspersus*	In	L	Sekhar (1969)
Tetraphyllidea morphotype 1 (Fig. 25)	*Anampses caeruleopunctatus*	In	L	Chambers *et al.* (2000)

2. *Scolex plauronectis* is used for larvae , but it is not a valid scientific name. http://www.marinespecies.org/aphia.php?p=taxdetails&id=105328

Endoparasites	Hosts	Site of Infection	Stage	References
	Anampses geographicus	In	L	Chambers *et al.* (2000)
	Anampses neoguinaicus	Re	L	Present study
	Cheilinus chlorourus	In	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In	L	Muñoz *et al.* (2007)
	Coris batuensis	In	L	Chambers *et al.* (2000), Muñoz & Cribb (2006)
	Gomphosus varius	Re	L	Muñoz *et al.* (2007)
	Halichoeres melanurus	Re	L	Muñoz *et al.* (2007)
	Hemigymnus fasciatus	Re	L	Chambers *et al.* (2000)
	Hemigymnus melapterus	In	L	Muñoz & Cribb (2005)
	Oxycheilinus digramma	In	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	In	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	Re	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	Re	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
	Thalassoma jansenii	In	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
	Thalassoma lutescens	Re	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 2	*Cheilinus chlorourus*	In	L	Chambers *et al.* (2000)
	Hemigymnus melapterus	In	L	Chambers *et al.* (2000)
	Thalassoma lunare	In	L	Chambers *et al.* (2000)
Tetraphyllidea morphotype 4 (Fig. 26)	*Anampses neoguinaicus*	In	L	Present study
	Bodianus axillaris	In	L	Present study
	Cheilinus chlorourus	In	L	Muñoz *et al.* (2007)
	Cheilinus fasciatus	In	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In	L	Muñoz *et al.* (2007)
	Cheilinus undulatus	In	L	Present study
	Coris batuensis	In, GB	L	Chambers *et al.* (2000), Muñoz & Cribb (2006), Muñoz *et al.*(2007)
	Epibulus insidiator	In	L	Muñoz *et al.* (2007)
	Gomphosus varius	In	L	Muñoz *et al.* (2007)
	Halichoeres chloropterus	In, GB	L	Present study
	Halichoeres marginatus	In	L	Chambers *et al.* (2000)
	Halichoeres melanurus	In, GB	L	Muñoz *et al.* (2007)
	Halichoeres trimaculatus	In	L	Chambers *et al*. (2000)
	Hemigymnus fasciatus	In	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
	Hemigymnus melapterus	In	L	Chambers *et al.* (2000), Muñoz & Cribb (2005), Muñoz *et al.* (2007)
	Oxycheilinus digramma	In, GB	L	Muñoz *et al.* (2007)

Endoparasites	Hosts	Site of Infection	Stage	References
	Stethojulis bandanensis	In	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
	Stethojulis trilineata	In	L	Present study
	Thalassoma hardwicke	In, GB	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
	Thalassoma jansenii	In, GB	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In, GB	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
	Thalassoma lutescens	In	L	Present study
Tetraphyllidea morphotype 5	*Cheilinus chlorourus*	In	L	Chambers *et al.* (2000)
	Choerodon venustus	In	L	Chambers *et al.* (2000)
	Halichoeres trimaculatus	In	L	Chambers *et al.* (2000)
	Hemigymnus melapterus	In	L	Chambers *et al.* (2000)
	Thalassoma hardwicke	In	L	Chambers *et al.* (2000)
	Thalassoma lunare	In	L	Chambers *et al.* (2000)
Tetraphyllidea morphotype 6 (Fig. 27)	*Bodianus axillaris*	In	L	Present study
	Cheilinus chlorourus	In	L	Muñoz *et al.* (2007)
	Cheilinus fasciatus	In	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In	L	Muñoz *et al.* (2007)
	Coris batuensis	Re	L	Muñoz & Cribb (2006), Muñoz *et al.* (2007)
	Gomphosus varius	In	L	Muñoz *et al.* (2007)
	Halichoeres chloropterus	Re	L	Present study
	Halichoeres melanurus	Re	L	Muñoz *et al.* (2007)
	Halichoeres trimaculatus	Re	L	Present study
	Hemigymnus fasciatus	Re	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	In	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
	Oxycheilinus digramma	Re	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	Re	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	Re	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	Re	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	Re	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 7	*Thalassoma hardwicke*	In	L	Chambers *et al.* (2000)
Tetraphyllidea morphotype 8 (Fig. 28)	*Cheilinus chlorourus*	In (A)	L	Muñoz *et al.* (2007)
	Cheilinus fasciatus	In (A)	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In (A)	L	Muñoz *et al.* (2007)
	Epibulus insidiator	In	L	Muñoz *et al.* (2007)

Endoparasites	Hosts	Site of Infection	Stage	References
	Gomphosus varius	Re	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	In	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
	Oxycheilinus digramma	In	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	Re	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	In (A)	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
	Thalassoma jansenii	In (A)	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 9	*Halichoeres trimaculatus*	In	L	Chambers *et al.* (2000)
Tetraphyllidea morphotype 10 (Fig. 29)	*Cheilinus chlorourus*	In (A)	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In	L	Muñoz *et al.* (2007)
	Cheilinus undulatus	In (A)	L	Present study
	Coris batuensis	In (A)	L	Muñoz *et al.* (2007)
	Gomphosus varius	In (A)	L	Muñoz *et al.* (2007)
	Halichoeres trimaculatus	In (A)	L	Chambers *et al.* (2000)
	Hemigymnus melapterus	In (A)	L	Muñoz & Cribb (2005)
	Oxycheilinus digramma	In (A)	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In (A)	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	In (M)	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In (A)	L	Chambers *et al.* (2000), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 11	*Thalassoma lunare*	In	L	Chambers *et al.* (2000)
Tetraphyllidea morphotype 12 (Fig. 30)	*Hemigymnus melapterus*	In	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 13 (Fig. 31)	*Hemigymnus melapterus*	In	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 14 (Fig. 32)	*Hemigymnus melapterus*	In	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 15 (Fig. 33)	*Thalassoma lunare*	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 16 (Fig. 34)	*Gomphosus varius*	In (P)	L	Muñoz *et al.* (2007)
	Halichoeres trimaculatus	Re	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	Re	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	Re	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	Re	L	Muñoz *et al.* (2007)

Endoparasites	Hosts	Site of Infection	Stage	References
	Thalassoma hardwicke	Re	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	Re	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 17 (Fig. 35)	*Hemigymnus melapterus*	In (A)	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	In	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	L	Muñoz *et al.* (2007)
	Stethojulis trilineata	In (A)	L	Present study
	Thalassoma jansenii	In (M)	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In (A)	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 18 (Fig. 36)	*Cheilinus chlorourus*	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 19 (Fig. 37)	*Cheilinus trilobatus*	In (P)	L	Muñoz *et al.* (2007)
	Coris batuensis	Re	L	Muñoz *et al.* (2007)
	Halichoeres melanurus	Re	L	Muñoz *et al.* (2007)
	Hemigymnus fasciatus	In	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	In	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	Re	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	In	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	In	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 20 (Fig. 38)	*Coris batuensis*	In	L	Muñoz *et al.* (2007)
	Gomphosus varius	In	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	In	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	In	L	Muñoz *et al.* (2007)
	Thalassoma lunare	In	L	Muñoz *et al.* (2007)
	Thalassoma lutescens	In	L	Present study
Tetraphyllidea morphotype 21 (Fig. 39)	*Coris batuensis*	GB	L	Muñoz *et al.* (2007)
	Gomphosus varius	GB	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	GB	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	GB	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 22 (Fig. 40)	*Cheilinus chlorourus*	Re, GB	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In, GB	L	Muñoz *et al.* (2007)
	Epibulus insidiator	In	L	Muñoz *et al.* (2007)
	Gomphosus varius	In (A)	L	Muñoz *et al.* (2007)

Endoparasites	Hosts	Site of Infection	Stage	References
	Hemigymnus melapterus	In (A)	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
Tetraphyllidea morphotype 23 (Fig. 41)	*Oxycheilinus digramma*	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 24 (Fig. 42)	*Gomphosus varius*	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 25 (Fig. 43)	*Gomphosus varius*	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 26 (Fig. 44)	*Epibulus insidiator*	In (A)	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	In	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
	Oxycheilinus digramma	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 27 (Fig. 45)	*Hemigymnus melapterus*	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 28 (Fig. 46)	*Cheilinus chlorourus*	In (A)	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 29 (Fig. 47)	*Cheilinus chlorourus*	In (A)	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 30 (Fig. 48)	*Cheilinus chlorourus*	In	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In	L	Muñoz *et al.* (2007)
	Halichoeres melanurus	In	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	GB	L	Muñoz & Cribb (2005)
	Oxycheilinus digramma	In	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	L	Muñoz *et al.* (2007)
Tetraphyllidea morphotype 31 (Fig. 49)	*Thalassoma lunare*	In	L	Muñoz *et al.* (2007)
Order: Trypanorhyncha				
Family: Eutetrarhynchidae				
Dollfusiella sp. (Fig. 51)	*Cheilinus fasciatus*	BC	L	Muñoz *et al.* (2007)
Oncomegas sp. (Fig. 50)	*Thalassoma jansenii*	BC	L	Muñoz *et al.* (2007)

Endoparasites	Hosts	Site of Infection	Stage	References
Family: Grillotiidae				
Grillotia overstreeti Sakanari, 1989	*Choerodon cyanodus*	BC	L	Sakanari & Moser (1989), Lester & Sewell (1989)
	Choerodon venustus	BC	L	Sakanari & Moser (1989), Lester & Sewell (1989)
Grillotia sp. [Maybe *G. shipleyi* (Southwell, 1929)] (Fig. 52)	*Choerodon anchorago*	BC	L	Present study
	Choerodon venustus	BC	L	Present study
	Thalassoma hardwicke	BC	L	Muñoz *et al.* (2007)
	Thalassoma lunare	BC	L	Muñoz *et al.* (2007)
Grillotiidae gen. sp. 1 (Fig. 53)	*Hemigymnus melapterus*	BC	L	Muñoz *et al.* (2007)
Grillotiidae gen. sp. 2	*Thalassoma lunare*	BC	L	Muñoz *et al.* (2007)
Unidentified grillotids	*Hemigymnus melapterus*	BC	L	Muñoz & Cribb (2005)
Family: Lacistorhynchidae				
Lacystorhynchus tenuis (van Beneden, 1858)	*Symphodus tinca*	BC	L	Campos & Carbonell (1994)
	Labrus merula	BC	L	Campos & Carbonell (1994)
Family: Otobothriidae				
Unidentified species	*Hemigymnus melapterus*	BC	L	Muñoz & Cribb (2005), Muñoz *et al.* (2007)
Family: Paranybeliniidae				
Pseudonybelinia sp. (Fig. 54)	*Coris batuensis*	PeC	L	Muñoz & Cribb (2006), Muñoz *et al.* (2007)
Family: Pterobothriidae				
Pterobothrium australiense Campbell & Beveridge, 1996 (Fig. 55)	*Coris batuensis*	BC	L	Muñoz *et al.* (2007)
	Gomphosus varius	BC	L	Muñoz *et al.* (2007)
	Halichoeres chloropterus	BC	L	Present study
	Hemigymnus melapterus	BC	L	Muñoz *et al.* (2007)
	Stethojulis bandanensis	BC	L	Muñoz *et al.* (2007)
	Stethojulis strigiventer	BC	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	BC	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	BC	L	Muñoz *et al.* (2007)
	Thalassoma lunare	BC	L	Muñoz *et al.* (2007)
Pterobothrium dasybati Yamaguti, 1934	*Choerodon venustus*	Muscles	L	Lester & Sewell (1989)

Endoparasites	Hosts	Site of Infection	Stage	References
Pterobothrium sp.	*Cheilinus chlorourus*	Mu	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	Mu	L	Muñoz *et al.* (2007)
	Oxycheilinus digramma	Mu	L	Muñoz *et al.* (2007)
Order: Unkown				
Unidentified metacestode larvae	*Gomphosus varius*	In	L	Muñoz *et al.* (2007)
	Halichoeres chloropterus	BC	L	Muñoz *et al.* (2007)
	Halichoeres melanurus	BC	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	BC	L	Muñoz & Cribb (2005), Grutter (1994), Muñoz *et al.* (2007)
	Stethojulis bandanensis	BC	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	BC, In	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	BC	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	BC	L	Muñoz *et al.* (2007)
	Thalassoma lunare	BC	L	Grutter (1994)
Class: Trematoda				
Subclass: Aspidogastrea				
Order: Aspidogastrida				
Family: Aspidogastridae				
Lobastostoma ringens (Linton, 1905) (Syn. *Aspidogaster ringens*)	*Halichoeres radiatus*	In	A	Linton (1907)
Subclass: Digenea				
Order: Diplostomida				
Family: Aporocotylidae				
Sanguinicola maritimus Nolan & Cribb 2005	*Notolabrus parilus*	He, BV	A	Nolan & Cribb (2005)
	Notolabrus tetricus	He, BV	A	Nolan & Cribb (2005)
Order: Plagiorchiida				
Family: Acanthocolpidae				
Venusicola inusitatus Bray & Cribb, 2000	*Choerodon albigena*	In	A	Bray & Cribb (2000)
Stephanostomum casum (Linton, 1910)	*Epibulus insidiator*	In	A	Toman (1992)
Stephanostomum elongatum (Park, 1939)	*Lachnolaimus maximus*	In	A	Hanson (1950)
Family: Allocreadiidae				
Allocreadium colligatum Wallin, 1909	*Labrus bimaculatus*	In	A	Wallin (1909)

Endoparasites	Hosts	Site of infection	Stage	References
Family: Apocreadiidae				
Callohelmis pichelinae Cribb & Bray, 1999 (Fig. 56)	*Choerodon venustus*	In	A	Cribb & Bray (1999)
	Hemigymnus fasciatus	In	A	Cribb & Bray (1999), Muñoz *et al.* (2007)
	Hemigymnus melapterus	In	A	Cribb & Bray (1999), Muñoz & Cribb (2005), Muñoz *et al.* (2007)
	Stethojulis bandanensis	In	A	Cribb & Bray (1999), Muñoz *et al.* (2007)
Homalometron pallidum Stafford, 1904	*Tautoga onitis*	In	A	Linton (1940), Stunkard (1964)
Megacreadium sp.	*Cheilinus fasciatus*	In	A	Muñoz *et al.* (2007)
Neoapocreadium coili (Sogandares-Bernal, 1959)	*Halichoeres bivittatus*	In	A	Sogandares-Bernal & Sogandares (1961)
Family: Bivesiculidae				
Bivesicula claviformis Yamaguti, 1934	*Thalossoma lunare*	In	M	Cribb *et al.* (1998)
Bivesicula sp. 1 (Fig. 57)	*Cheilinus chlorourus*	Re	A	Muñoz *et al.* (2007)
Bivesicula sp. 2	*Thalassoma hardwicke*	Re	A	Muñoz *et al.* (2007)
Family: Bucephalidae				
Dollfustrema sp.	*Oxycheilinus orientalis*	Fi, Mu, Gl	M	Yamaguti (1970)
Dolichoenterum sp.	*Thalassoma purpureum*	Fi, Mu, Gl	M	Yamaguti (1970)
Prosorhynchus aculeatus Odhner, 1905	*Labrus merula*	Gl	M	Campos & Carbonell (1994)
	Symphodus tinca	Gl	M [3]	Papoutsoglou (1976), Campos & Carbonell (1994)
	Symphodus mediterraneus	--	--	Papoutsoglou (1976)
Rhipidocotyle labroidei Jones, Grutter & Cribb, 2003	*Labroides dimidiatus*	Re	A	Jones *et al.* (2003)
	Labroides bicolor	Re	A	Jones *et al.* (2003)
Rudolphinus crucibulum (Rudolphi, 1819)	*Symphodus tinca*	Gl	M	Campos & Carbonell (1994)

3. Stage of the trematode (metacercariae) only indicated by Campos & Carbonell (1994)

Endoparasites	Hosts	Site of infection	Stage	References
Family: Crytogonimidae				
Metadena depressa (Stossich, 1883)	*Symphodus tinca*	Bc	M	Campos & Carbonell (1994)
Metadena sp.	*Tautogolabrus adspersus*	St	A	Sekhar (1969), Sekhar & Threlfall (1970a) [4]
Family: Derogenidae				
Derogenes minor (Looss, 1901)	*Labrus merula*	Gb, In	A	Yamaguti (1971), Radujković & Śundic (2014)
Derogenes varicus (Müller, 1784)	*Tautogolabrus adspersus*	At, Gl	A	Sekhar (1969), Sekhar & Threlfall (1970a) [4], Billiard & Khan (2003)
Family: Didymozoidae				
Torticaecum fenestratum (Linton, 1907)	*Lachnolaimus maximus*	In	A	Fischthal (1977)
Unidentified didymozoids	*Thalassoma* sp. (juvenile)	BC	M	Cribb *et al.* (2000)
Family: Fellodistomidae				
Megalomyzon robustus Manter, 1947	*Lachnolaimus maximus*	In	A	Manter (1947)
Proctoeces maculatus (Looss, 1901) (Fig. 58)	*Choerodon albigena*	In (P)	A	Bray (1983)
	Choerodon cyanodus	In (P)	A	Lester & Sewell (1989), Hall *et al.* (1999)
	Choerodon schoenleinii	In	A	Present study
	Choerodon venustus	In	A	Bray & Cribb (2000)
	Coricus rostratus	In	A	Parukhin *et al.* (1971)
	Coris julis	In	A	Prévot (1965)
	Halichoeres bivittatus	In	A	Rees (1970), Shimazu & Nagasawa (1985)
	Julis lunaris	In	A	Yamaguti (1971)
	Labrus merula	In, Re	A	Campos & Carbonell (1994), Sasal *et al.* (1999), Bartoli *et al.* (2005), Gargouri *et al.* (2010), Radujković & Śundic (2014)
	Labrus sp.	In	A	Odhner (1911) *fide* Yamaguti (1971)
	Lachnolaimus maximus	In	A	Fischthal (1977) [5]

4. The surname of the autor was cited as "Sekhar", which is a second name. The author's surname is Sankurathri. This is the same explanation every time when this author is cited.

5. This author indicated the trematode as *Proctoeces lintoni*, which was considered a synonism of *P. maculatus* by Bray (1983).

Endoparasites	Hosts	Site of infection	Stage	References
	Pteragogus flagellifer	In	A	Yamaguti (1940)
	Semicossyphus pulcher	In	A	Frost & Dailey (1994)
	Semicossyphus reticulatus	In	A	Yamaguti (1971)
	Symphodus cinereus	In	A	Yamaguti (1971), Radujković & Śundic (2014)
	Symphodus doderleini	In	A	Parukhin *et al.* (1971)
	Symphodus ocellatus	In	A	Parukhin *et al.* (1971)
	Symphodus roissali	In	A	Parukhin *et al.* (1971)
	Symphodus tinca	In, Re	A	Yamaguti (1971), Campos *et al.* (1990), Sasal *et al.* (1999), Bartoli *et al.* (2005), Gargouri *et al.* (2010), Radujković & Śundic (2014)
	Thalassoma duperrey	In	A	Manter & Pritchard (1962)
	Thalassoma pavo	--	I	Fischthal (1980)
Proctoeces gohari Ramadan, 1983	*Anampses caeruleopunctatus*	In	A	Ramadan (1983)
Proctoeces subtenuis (Linton, 1907) (Syn. *Distomum subtenue*)	*Halichoeres bivittatus*	In	A	Linton (1907)
Proctoeces sp.	*Cheilinus chlorourus*	Re	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	Re	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	Re	A	Muñoz *et al.* (2007)
Steringotrema pagelli van Beneden, 1871	*Symphodus cinereus*	In	A	Radujković & Śundic (2014)
	Symphodus tinca	In	A	Radujković & Śundic (2014)
Steringotrema thalassomae (Wang, 1982) (Syn: *Pseudantorchis thalassoma*) [6]	*Thalassoma hardwicke*	In	A	Wang (1982)
Tergestia laticollis (Rudolphi, 1819)	*Clepticus parrae*	In	A	Nahhas & Cable (1964), Dyer *et al.* (1985)
	Symphodus cinereus	In	A	Sey (1970), Radujković & Śundic (2014)
	Symphodus tinca	In	A	Radujković & Śundic (2014)
Tergestia skrjabini Koval & Tsarychkova, 1964	*Symphodus tinca*	In	A	Koval & Tsarychkova (1964)

6. Gibson, D. & Cribb, T. 2015. *Pseudantorchis* Wang, 1982. Accessed through: World Register of Marine Species at http://www.marinespecies.org/aphia.php?p=taxdetails&id=594715 on 2015-09-09

Endoparasites	Hosts	Site of infection	Stage	References
Family: Gorgoderidae				
Phyllodistomum acceptum Looss, 1901	*Labrus merula*	UB	A	Campos & Carbonell (1994)
	Symphodus cinereus	UB, GB	A	Yamaguti (1971), Ho *et al*. (2014), Radujković & Śundic (2014)
	Symphodus mediterraneus	UB	A	Papoutsoglou (1976), Ho *et al*. (2014)
	Symphodus ocellatus	UB	A	Korniychuck (2004), Ho *et al*. (2014)
	Symphodus roissali	UB	A	Korniychuck (2004), Ho *et al*. (2014)
	Symphodus tinca	UB	A	Nikolaeva & Solonchenko (1970), Ho *et al*. (2014)
	Thalassoma pavo	GB	A	Radujković & Śundic (2014)
Phyllodistomum crenilabri Dolgikh & Naidenova, 1968	*Symphodus tinca*	UB	A	Dolgikh & Naidenova (1968), Ho *et al*. (2014)
Phyllodistomum mamaevi Parukhin, 1971	*Oxycheilinus digramma*	UB	A	Parukhin (1970), Ho *et al*. (2014)
Phyllodistomum scrippsi Brooks & Mayes, 1975	*Semicossyphus pulcher*	UB	A	Brooks & Mayes (1975), Ho *et al*. (2014)
Phyllodistomum sp.	*Halichoeres dussumieri*	UB	A	Ku &Shen (1965), Ho *et al*. (2014)
Family: Gyliauchenidae				
Apharyngogyliauchen callyodontis Yamaguti, 1942	*Anampses caeruleopunctatus*	In	A	Ramadan (1986)
Apharyngogyliauchen opisthovarius Gu & Shen, 1983	*Cirrhilabrus sp.*	In	A	Shen (1985)
Apharyngogyliauchen thalassame (Wang 1977) (Syn. *Gyliauchen thalassamae*) [7]	*Thalassoma hardwicke*	In	A	Wang (1977)
	Thalassoma lunare	In	A	Hall (2004)
Family: Haplosplanchnidae				
Schikhobalotrema acutum (Linton, 1910)	*Lachnolaimus maximus*	In	A	Fischthal (1977)

7. A new combination, as *Apharyngogyliauchen thalassame*, was proposed by Hall (2004).

Endoparasites	Hosts	Site of infection	Stage	References
Schikhobalotrema adacutuum (Manter, 1937) (Syn. *Haplosplanchnus adacutus*)	*Halichoeres bivittatus*	In	A	Manter (1947)
	Halichoeres maculipinna	In	A	Yamaguti (1971), Nahhas & Cable (1964)
Schickhobalotrema sp.	*Stethojulis bandanensis*	In	A	Muñoz *et al.* (2007)
Family: Hemiuridae				
Ectenurus lepidus Looss, 1907	*Anampses cuvieri*	In	A	Manter & Pritchard (1960)
Hemiurus appendiculatus (Rudolphi, 1802)	*Tautogolabrus adspersus*	St	A	Linton (1940)
Hemiurus communis Odhner, 1905	*Labrus bergylta*	St	A	Nicoll (1910)
Hemiurus levinsoni Odhner, 1905	*Tautogolabrus adspersus*	AT, Gl	A	Sekhar (1969), Sekhar & Threlfall (1970a), Billiard & Khan (2003)
Lecithochirium furcolabiatum (Jones, 1933)	*Labrus bergylta*	In	A	Gibson & Bray (1986)
	Symphodus melops	In	A	Gibson & Bray (1986)
Lecithochirium gravidum Looss, 1907	*Labrus merula*	Re	M	Campos & Carbonell (1994)
	Symphodus tinca	Re	M	Campos & Carbonell (1994)
Lecithochirium latus (Perez-Vigueras, 1958) (Syn. *Sterrhurus latus*)	*Halichoeres bivittatus*	In	A	Pérez-Vigueras (1958)
Lecithochirium microstomum Chandler, 1935	*Bodianus bilunulatus*	St, In	A	Manter & Pritchard (1960)
Lecithochirium musculus Loss, 1907	*Symphodus cinereus*	Re	A	Bartoli *et al.* (2005), Radujković & Śundic (2014)
	Symphodus tinca	Re	A	Radujković & Śundic (2014)
Lecithochirium rufoviride (Rudolphi, 1819)	*Ctenolabrus rupestris*	SW, BC	M	Treasurer (1997)
	Symphodus roissali	AT	A	Papoutsoglou (1976)
	Symphodus mediterraneus	AT	A	Papoutsoglou (1976)
	Symphodus melops	SW, BC	M	Treasurer (1997)

Endoparasites	Hosts	Site of infection	Stage	References
Sterrhurus monticellii (Linton, 1898) (Syn. *Lecithochirium monticellii*)	*Chlorichthys bifasciatus*	--	A	Linton (1910)
Synaptobothrium caudiporum (Rudolphi, 1819)	*Symphodus doderleini*	AT	--	Papoutsoglou (1976)
	Symphodus roissali	AT	--	Papoutsoglou (1976)
	Symphodus tinca	AT	--	Papoutsoglou (1976)
Unidentified hemiurids	*Hemigymnus melapterus*	Sp	M	Muñoz & Cribb (2005)
	Thalassoma trilobatum	BC, Me,	M	Yamaguti (1970)
	Thalassoma purpureum	BC, Me, Mu	M	Yamaguti (1970)
Family: Heterophyidae				
Cryptocotyle lingua (Creplin, 1825)	*Centrolabrus exoletus*	BS	M	Treasurer (1997)
	Ctenolabrus rupestris	BS	M	Treasurer (1997)
	Labrus bergylta	BS	M	Treasurer (1997)
	Labrus mixtus	BS	M	Treasurer (1997)
	Stethojulis bandanensis	BS	M	Cribb & Bray (1999)
	Symphodus melops	BS	M	Treasurer (1997)
	Tautogolabrus adspersus	BS, Gl	M	Sekhar (1969), Sekhar & Threlfall (1970b), Billiard & Khan (2003)
Family: Lecithasteridae				
Lecithophyllum cheilionis (Fischthal & Kuntz, 1964)	*Cheilio inermis*	In	--	Yamaguti (1971), Velásquez (1975)
Lecithaster confusus Odhner, 1905	*Labrus merula*	AT	--	Papoutsoglou (1976)
	Tautogolabrus adspersus	In	--	Sekhar & Threlfall (1970a)
Lecithaster gibbosus (Rudolphi, 1802)	*Labrus bergylta*	In	A	Nicoll (1910)
	Symphodus cinereus	In	A	Sey (1970), Radujković & Śundic (2014)
	Tautogolabrus adspersus	AT, Gl	A	Sekhar (1969), Sekhar & Threlfall (1970a)
Lecithaster stellatus Looss, 1907 (Fig. 59)	*Choerodon cyanodus*	In	A	Bray *et al.* (1993)
	Choerodon venustus	In	A	Bray *et al.* (1997)
	Coris batuensis	In	A	Muñoz & Cribb (2006), Muñoz *et al.*(2007)
	Halichoeres poecilopterus	In	A	Yamaguti (1934)
	Oxycheilinus digramma	In	A	Bray *et al.* (1993)
	Pteragogus flagellifer	In	A	Yamaguti (1940)

Endoparasites	Hosts	Site of infection	Stage	References
	Stethojulis strigiventer	In	A	Muñoz *et al.* (2007)
	Symphodus ocellatus	In (P), Re	A	Sasal *et al.* (1999), Bartoli *et al.* (2000, 2005)
Lecithaster sp. 1	*Halichoeres melanurus*	In	A	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	A	Muñoz *et al.* (2007)
	Stethojulis trilineata	In	A	Present study
	Thalassoma jansenii	In	A	Muñoz *et al.* (2007)
	Thalassoma lunare	In	A	Muñoz *et al.* (2007)
Lecithaster sp. 2	*Thalassoma hardwicke*	In	A	Muñoz *et al.* (2007)
Unidentified lecithasterids	*Stethojulis bandanensis*	AT	A	Rigby *et al.* (1999)
	Thalassoma hardwicke	AT	A	Rigby *et al.* (1999)
Family: Lepocreadiidae				
Harveytrema bisulcatum Kruse, 1979	*Achoerodus gouldii*	In	A	Kruse (1979)
Holorchis micracanthum (Stossich, 1888)	*Symphodus roissali*	In	A	Sasal *et al.* (1999)
Holorchis pycnoporus Stossich, 1901	*Symphodus roissali*	Du, AT, Re	A	Bartoli & Bray (1996), Bartoli *et al.* (2005)
	Symphodus ocellatus	AT	A	Bartoli & Boudouresque (1997)
Intusatrium robustum Durio & Manter, 1968	*Bodianus perditio*	AT	A	Durio & Manter (1968), Bray & Justine (2012)
	Bodianus loxozonus	AT	A	Bray & Justine (2012)
Intusatrium sp.	*Choerodon cyanodus*	In	A	Lester & Sewell (1989)
	Choerodon graphicus	In	--	Bray *et al.* (1997)
	Choerodon venustus	In	A	Lester & Sewell (1989)
Labrifer secundus Manter, 1940	*Semicossyphus pulcher*	In	A	Manter (1940), Pritchard (1970)
Labrifer semicossyphi Yamaguti, 1936	*Semicossyphus reticulatus*	In	A	Yamaguti (1936)
Labrifer tertius Pritchard, 1960	*Bodianus bilunulatus*	In	A	Yamaguti (1970)
	Bodianus oxicephalus	In	A	Yamaguti (1970)
	Thalassoma duperrey	In	A	Pritchard (1960)
Lepidapedon elongatum (Lebour, 1908)	*Tautogolabrus adspersus*	St, AT	A	Sekhar (1969), Sekhar & Threlfall (1970a), Billiard & Khan (2003)

Endoparasites	Hosts	Site of infection	Stage	References
Lepidauchen stenostoma Nicoll, 1913	*Labrus bergylta*	In	A	Nicoll (1913)
	Labrus merula	Du, In (M)	A	Campos & Carbonell (1994), Bray & Bartoli (1996), Sasal *et al.* (1999), Bartoli *et al.* (2005)
	Symphodus tinca	In	A	Orecchia *et al.* (1988), Campos *et al.* (1990)
Lepocreadium bimarinum Manter, 1940	*Bodianus diploraenia*	In	A	Manter (1940)
	Bodianus rufus	In	A	Nahhas & Cable (1964)
	Lachnolaimus maximus	In	A	Fischthal (1977)
Lepocreadium sp.	*Lachnolaimus maximus*	In	A	Manter (1940), Manter (1947)
	Semicossyphus pulcher	In	A	Manter (1940)
	Tautogolabrus adspersus	In	A	Stunkard (1980)
Myzoxenus crowcrofti Manter, 1954	*Notolabrus fucicola*	In	A	Manter (1954)
Myzoxenus insolens (Crowcroft, 1945)	*Notolabrus parilus*	In	A	Bray & Cribb (1998)
	Notolabrus fucicola	In	A	Bray & Cribb (1998)
	Pseudolabrus tetricus		A	Crowcroft (1945)
Myzoxenus lachnolaimi Manter, 1947	*Lachnolaimus maximus*	In	A	Manter (1947), Fischthal (1977), Dyer *et al.* (1992)
Myzoxenus vitellosus Manter, 1934	*Decodon puellaris*	In	A	Manter (1934)
Neolabrifer bravoae Pritchard, 1970	*Semicossyphus pulcher*	In	A	Pritchard (1970)
Postlepidapedon secundum (Durio & Manter, 1968)	*Choerodon graphicus*	In	A	Bray *et al.* (1997)
	Choerodon venustus	In	A	Cribb & Bray (1999)
Postlepidapedon spissum Bray, Cribb & Barker, 1997	*Choerodon cyanodus*	In	A	Bray *et al.* (1997)
	Choerodon fasciatus	In	A	Bray *et al.* (1997), Present study
	Choerodon schoenleinii	In	A	Bray *et al.* (1997)
	Choerodon venustus	In	A	Bray *et al.* (1997), Present study
	Choerodon anchorago	In	A	Present study
Preptetos trulla (Linton, 1907)	*Lachnolaimus maximus*	In	A	Vélez (1978)
Postlepidapedon uberis Bray, Cribb & Barker, 1997	*Choerodon cyanodus*	In	A	Bray *et al.* (1997)

Endoparasites	Hosts	Site of infection	Stage	References
	Choerodon schoenleinii	In	A	Bray *et al.* (1997)
	Choerodon venustus	In	A	Bray *et al.* (1997)
Preptetos xesuri (Yamaguti, 1940)	*Thalassoma duperrey*	In	A	Pritchard (1960), Pritchard (1963)
Prodistomum gracilis Linton, 1910	*Labrus bergylta*	AT	A	Al-Bassel (1999)
Family: Mesometridae				
Centroderma spinosissimum (Stossich, 1883)	*Symphodus tinca*	In	A	Sey (1970)
Family: Microphallidae				
Microphallus sp.	*Tautogolabrus adspersus*	St, In (A)	A	Sekhar (1969), Sekhar & Threlfall (1970a)
Family: Monorchiidae				
Genolopa ampullacae Linton, 1910	*Cheilinus lunulatus*	In	A	Nagaty & Abdel-All (1972)
Genolopa cheilini Nagaty & Abdel-All (1972)	*Cheilinus lunulatus*	In	A	Nagaty & Abdel-All (1972)
Genolopa lunulata Nagaty & Abdel-All (1972)	*Cheilinus lunulatus*	In	A	Nagaty & Abdel-All (1972)
Lasiotocus malasi (Nagaty, 1948) (Syn. *Proctotrema malasi*)	*Anampses sp.*	In	A	Nagaty (1948), Yamaguti (1971)
Monorchis monorchis (Stossich, 1890)	*Symphodus tinca*	In	A	Nikolaeva & Solonchenko (1970)
Unidentified monorchids	*Thalassoma hardwicke*	Re	A	Muñoz *et al.* (2007)
	Thalassoma lunare	Re	A	Muñoz *et al.* (2007)
	Thalassoma lutescens	Re	A	Present study
Family: Opecoelidae				
Peracreadium commune (Olsson, 1868) (Syn. *Allocreadium commune*)	*Symphodus melops*	--	A	Yamaguti (1971), Nicoll (1914)
	Labrus bergylta	In (P)	A	Stossich (1905), Nicoll (1914), Treasurer (1997)
	Labrus bimaculatus	--	A	Stossich (1905)
Caudotestis neopercis Yamaguti, 1938 (Syn. *Plagioporus neopersis*)	*Thalassoma ballieui*	--	A	Pritchard (1966)
	Thalassoma duperrey	--	A	Pritchard (1966)

Endoparasites	Hosts	Site of infection	Stage	References
	Anampses caeruleopunctatus	In	A	Ramadam (1985)
Choerodonicola choerodonis (Yamaguti, 1934)	*Choerodon azurio*	--	A	Yamaguti (1934), Yamaguti (1940)
Coitocaecum banneri Martin, 1960 (Syn. *Ozakia banneri*) [8]	*Thalassoma duperrey*	GB	A	Martin (1960), Pritchard (1966), Yamaguti (1971)
Coitocaecum hawaiensis Martin, 1960 (Syn. *Ozakia hawaiiensis*) [8]	*Thalassoma ballieui*	GB	A	Pritchard (1966), Yamaguti (1970)
	Thalassoma duperrey	GB	A	Martin (1960), Yamaguti (1971)
	Thalassoma purpureum	GB	A	Pritchard (1966), Yamaguti (1971)
Coitocaecum minutum (Pritchard, 1966) (Syn. *Nicolla minuta*)	*Stethojulis balteata*	--	--	Pritchard (1966)
	Thalassoma duperrey	In, GB	A	Pritchard (1966), Yamaguti (1971)
Coitocaecum norae Martin, 1960 (Syn. *Ozakia norae*) [8]	*Anampses cuvieri*	--	--	Pritchard (1966)
Coitocaecum tropicum Manter, 1940 (Syn. *Ozakia tropica*) [8]	*Halichoeres dispilus*	In	A	Manter (1940), Yamaguti (1971)
Coitocaecum sp.	*Halichoeres bivittatus*	In	--	Siddiqi & Cable (1960)
Dactylostomum iniistii (Yamaguti, 1970)	*Xyrichtys pavo*	AT	--	Yamaguti (1970)
Decemtestis bera Yamaguti, 1938	*Halichoeres poecilopterus*	In	--	Yamaguti (1938)
Decemtestis pseudolabri Manter, 1954	*Pseudolabrus celidotus*	In	--	Manter (1954)
Diplobulbus minuta Pritchard, 1966	*Cheilio inermis*	--	A	Pritchard (1966)
	Coris batuensis	In	A	Muñoz & Cribb (2006), Muñoz *et al.* (2007)
	Gomphosus varius	In	A	Muñoz *et al.* (2007)
	Thalassoma ballieui	In	A	Pritchard (1966)
	Thalassoma duperrey	In	A	Pritchard (1966)
	Thalassoma hardwicke	In	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	In	A	Muñoz *et al.* (2007)
	Thalassoma lunare	In	A	Muñoz *et al.* (2007)

8. According to Hine (1977) *Coitocaecum* could not be distiguished from *Ozakia*, therefore he relocalted the species described in *Ozakia* within *Coitocaecum*. However, Cribb (2005) suggested that may be some new combinations within these genera of digeneans.

Endoparasites	Hosts	Site of infection	Stage	References
Diplobulbus thalassomatis (Yamaguti, 1942) (Fig. 60)	*Thalassoma ballieui*	In	A	Yamaguti (1970)
	Thalassoma lunare	In (A)	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	Re	A	Muñoz *et al.* (2007)
	Thalassoma purpureum	In	A	Yamaguti (1942)
Genitocotyle mediterranea Bartoli, Gibson & Riutort, 1994	*Symphodus ocellatus*	AT	--	Sasal *et al.* (1999), Bartoli *et al.* (2000)
Gaevskajatrema perezi (Mathias, 1926)	*Centrolabrus exoletus*	AT	A	Treasurer (1997)
(Syn. *Peracreadium perezi*)	*Ctenolabrus rupestris*	AT	A	Treasurer (1997)
	Labrus bergylta	In	A	Yamaguti (1971), Treasurer (1997)
	Symphodus cinereus	In	A	Sasal *et al.* (1999), Bartoli *et al.* (2005)
	Symphodus melops	AT	A	Yamaguti (1971), Treasurer (1997)
	Symphodus ocellatus	Du, AT	A	Bartoli *et al.* (2005)
	Symphodus roissali	Du, AT, Re	A	Sasal *et al.* (1999), Bartoli *et al.* (2005)
	Symphodus tinca	--	A	Gaevskaya & Solonchenko (1989)
Hamacreadium mutabile Linton, 1910	*Anampses caeruleopunctatus*	In	A	Ramadan (1983)
Helicometra aposinuata Pritchard, 1966	*Thalassoma duperrey*	In	A	Pritchard (1966)
Helicometra epinepheli Yamaguti, 1934	*Anampses caeruleopunctatus*	In	A	Ramadam (1986)
	Thalassoma purpureum	In	A	Yamaguti (1942)
Helicometra fasciata (Rudolphi, 1819) (Fig. 61)	*Cheilinus chlorourus*	In	A	Muñoz *et al.* (2007)
	Cheilinus fasciatus	In	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	Re	A	Muñoz *et al.* (2007)
	Cheilinus undulatus	In	A	Present study
	Coris batuensis	In	A	Muñoz & Cribb (2006), Muñoz *et al.*(2007)
	Coris julis	In	A	Sey (1970), Lopez-Roman & Guevara-Pozo (1974)
	Symphodus doderleini	AT	A	Palombi (1929), Papoutsoglou (1976)
	Halichoeres chloropterus	Re	A	Present study
	Halichoeres hortulanus	Re	A	Present study

Endoparasites	Hosts	Site of infection	Stage	References
	Labrus bergylta	In	A	Palombi (1929)
	Labrus bimaculatus	In	A	Palombi (1929)
	Labrus merula	In	A	Campos & Carbonell (1994), Sasal *et al.* (1999), Gargouri *et al.* (2010)
	Labrus viridis	In	A	Sasal *et al.* (1999)
	Oxycheilinus digramma	In	A	Parukhin (1976), Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	A	Muñoz *et al.* (2007)
	Symphodus cinereus	In	A	Sey (1970)
	Symphodus melanocercus	In	A	Palombi (1929)
	Symphodus melops	In	A	Palombi (1929)
	Symphodus ocellatus	In	A	Bartoli & Boudouresque (1997), Sasal *et al.* (1999)
	Symphodus roissali	In	A	Sey (1970), Sasal *et al.* (1999)
	Symphodus rostratus	AT	--	Papoutsoglou (1976), Sasal *et al.* (1999)
	Symphodus tinca	In	A	Palombi (1929), Campos & Carbonell (1994), Sasal *et al.* (1999), Korniychuk & Gaevskaya (1999)
	Thalassoma hardwicke	Re	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	In	A	Muñoz *et al.* (2007)
	Thalassoma lunare	In	A	Muñoz *et al.* (2007)
Helicometra gobii (Stossich, 1883)	*Symphodus cinereus*	AT	A	Reversat & Silan (1993)
Helicometra gomphosi Yamaguti, 1970	*Gomphosus varius*	In	A	Yamaguti (1970)
Helicometra pulchella (Rudolphi, 1819)	*Centrolabrus rupestris*	--	A	Nicoll (1914)
	Labrus bergylta	--	A	Nicoll (1910)
	Labrus bimaculatus	--	A	Sey (1970)
	Labrus cynaedus	In	A	Yamaguti (1971)
	Labrus mixtus	AT	A	Treasurer (1997)
	Symphodus cinereus	AT	A	Reversat & Silan (1993)
	Symphodus mediterraneus	AT	A	Sey (1970), Papoutsoglou (1976)
	Symphodus tinca	AT	A	Osmanov (1940), Gargouri *et al.* (2010)
Helicometrina executa (Linton, 1910)	*Chlorichthys bifasciatus*	In	A	Linton (1910)
	Doratonotus megalepis	In	A	Manter (1947)
	Halichoeres bivittatus	In	A	Overstreet (1969)

Endoparasites	Hosts	Site of infection	Stage	References
	Halichoeres pictus	In	A	Nahhas & Cable (1964), Overstreet (1969)
	Halichoeres poeyi	In	A	Manter (1947)
	Halichoeres radiatus	In	A	Manter (1947), Overstreet (1969)
	Lachnolaimus maximus	In	A	Manter (1947)
	Thalassoma bifasciatum	In	A	Manter (1947)
Helicometra sp.	*Halichoeres bivittatus*	In	A	Dyer *et al.* (1998)
	Symphodus cinereus	In	A	Reversat *et al.* (1989)
Helicometra sp. (form 2) [9]	*Labrus merula*	AT	A	Bartoli *et al.* (2005)
	Symphodus tinca	AT	A	Bartoli *et al.* (2005)
Helicometra sp. (form 3) [9]	*Labrus merula*	AT	A	Bartoli *et al.* (2005)
	Labrus viridis	AT	A	Bartoli *et al.* (2005)
	Symphodus ocellatus	Du	A	Bartoli *et al.* (2005)
	Symphodus roisali	AT, Re	A	Bartoli *et al.* (2005)
	Symphodus tinca	AT	A	Bartoli *et al.* (2005)
	Thalassoma pavo	Du	A	Bartoli *et al.* (2005)
	Xyrichthys novacula	Du	A	Bartoli *et al.* (2005)
Helicometra sp. (form 4) [9]	*Symphodus ocellatus*	Re	A	Bartoli *et al.* (2005)
	Symphodus rostratus	AT	A	Bartoli *et al.* (2005)
Helicometrina nimia Linton, 1910	*Halichoeres bivittatus*	In	A	Manter (1933)
	Lachnolaimus maximus	In	A	Nahhas & Cable (1964)
Macvicaria alacris (Looss, 1901)	*Centrolabrus exoletus*	AT	A	Nicoll (1914), Treasurer (1997)
	Ctenolabrus rupestris	AT	A	Treasurer (1997)
	Labrus bergylta	AT	A	Treasurer (1997)
	Labrus merula	--	A	Papoutsoglou (1976)
	Labrus mixtus	AT	A	Treasurer (1997)
	Symphodus cinereus	In	A	Sasal *et al.* (1999), Radujković & Śundic (2014)
	Symphodus mediterraneus	In	A	Papoutsoglou (1976), Radujković & Śundic (2014)
	Symphodus melops	AT	A	Nicoll (1914), Treasurer (1997)
	Symphodus ocellatus	Du, In	A	Bartoli & Boudouresque (1997), Sasal *et al.* (1999), Bartoli *et al.* (2000), Bartoli *et al.* (2005)
	Symphodus roissali	--	A	Yamaguti (1971)
	Symphodus rostratus	Du, In	A	Sasal *et al.* (1999), Bartoli *et al.* (2005)

9. "Form" of these digeneans was designated by Bartoli *et al.* (2005)

Endoparasites	Hosts	Site of infection	Stage	References
	Symphodus tinca	Du, In (M, P), Re	A	Yamaguti (1971), Sasal *et al.* (1999), Bartoli *et al.* (2005), Gargouri *et al.* (2010)
Macvicaria crassigula (Linton, 1910)	*Decodon puellaris*	--	--	Yamaguti (1971)
Macvicaria jagannathi (Gupta & Singh, 1985)	*Pseudodax moluccanus*	--	--	Gupta & Singh (1985)
Macvicaria longisaccus (Fischthal & Kuntz, 1964)	*Choerodon anchorago*	--	--	Fischthal & Kuntz (1964), Velasquez (1975)
Macvicaria soleae (Dujardin, 1845)	*Labrus bergylta*	--	--	Baylis & Jones (1933)
	Labrus bimaculatus	--	--	Baylis & Jones (1933)
Macvicaria sp. 1 (Fig. 62)	*Bodianus axillaris*	In	A	Present study
	Coris batuensis	In	A	Muñoz *et al.* (2007)
	Halichoeres chloropterus	Re	A	Present study
	Halichoeres melanurus	Re	A	Muñoz *et al.* (2007)
	Hemigymnus fasciatus	In	A	Muñoz *et al.* (2007)
	Stethojulis bandanensis	In	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	Re	A	Muñoz *et al.* (2007)
Macvicaria sp. 2	*Cheilinus fasciatus*	In	A	Muñoz *et al.* (2007)
Macvicaria sp. 3	*Cheilinus fasciatus*	In	A	Muñoz *et al.* (2007)
Macvicaria sp. 4	*Choerodon venustus*	Re	A	Present study
Macvicaria sp. 5	*Choerodon venustus*	Re	A	Present study
Neolebouria ira (Yamaguti, 1940) (Syn. *Plagioporus ira*)	*Choerodon azurio*	In	A	Yamaguti (1940)
Neolebouria lanceolata (Price, 1934)	*Choerodon azurio*	In	--	Wang *et al.* (1992)
Nicolla halichoeri Overstreet, 1969	*Halichoeres bivittatus*	In	A	Overstreet (1969)
	Halichoeres radiatus	In	A	Overstreet (1969)
Nicolla sp.	*Halichoeres pictus*	In	A	Overstreet (1969)
Opecoelina scorpaenae Manter, 1934	*Semicossyphus pulcher*	--	--	Frost & Dailey (1994)

Endoparasites	Hosts	Site of infection	Stage	References
Opecoeloides vitellosus (Linton, 1899)	*Tautoga onitis*	In	--	Linton (1940)
	Tautoga sp.	In	A	Yamaguti (1971)
	Tautogolabrus adspersus	In	--	Linton (1901)
	Tautogolabrus sp.	St, In	A	Yamaguti (1971)
Opecoelus lotellae Manter, 1954	*Semicossyphus pulcher*	AT	--	Frost & Dailey (1994)
Opecoelus sp.	*Thalassoma jansenii*	In	A	Muñoz *et al.* (2007)
Opegaster iniistii Yamaguti, 1970	*Xyrichtys pavo*	In	--	Yamaguti (1970)
Opegaster ovatus Ozaki, 1928	*Halichoeres poecilopterus*	In	--	Shimazu & Nagasawa (1985)
Opegaster plotosi Yamaguti, 1940	*Oxycheilinus unifaciatus*	In	A	Yamaguti (1942)
	Pseudolabrus japonicus	In	A	Yamaguti (1942)
Peracreadium genu (Rudolphi, 1819)	*Acantholabrus palloni*	AT	A	Yamaguti (1971)
	Labrus bergylta	AT	A	Yamaguti (1971), Treasurer (1997)
	Labrus merula	AT, PC	A	Yamaguti (1971), Papoutsoglou (1976), Campos & Carbonell (1994), Sasal *et al.* (1999), Bartoli *et al.* (2005), Gargouri *et al.* (2010)
	Labrus viridis	AT	--	Yamaguti (1971), Sasal *et al.* (1999), Bartoli *et al.* (2005), Gargouri *et al.* (2010)
Peracreadium idoneum (Nicoll, 1909)	*Symphodus cinereus*	In	A	Sey (1970), Radujković & Śundic (2014)
	Symphodus tinca	In	A	Radujković & Śundic (2014)
Peracreadium sp.	*Symphodus roissali*	In	A	Nikolaeva & Solonchenko (1970)
	Symphodus tinca	In	A	Nikolaeva & Solonchenko (1970)
Plagioporus alacer (Loss, 1901)	*Labrus bergylta* [10]	In	A	Dawes (1968)
	Labrus maculatus	In	A	Yamaguti (1971)
	Labrus merula	In	A	Yamaguti (1971)
	Labrus mixtus	In	A	Dawes (1968)[9]
	Symphodus mediterraneus	At	--	Papoutsoglou (1976)
	Symphodus roissali	In	A	Yamaguti (1971)

10. Dawes (1968) refered to common names of the fish, ballan wrasse and cuckoo wrasses.

Endoparasites	Hosts	Site of infection	Stage	References
	Symphodus rostratus	At		Papoutsoglou (1976)
	Symphodus tinca	In	A	Yamaguti (1971)
Plagioporus interruptus Manter, 1954	*Pseudolabrus coccineus*	In	A	Manter (1954)
	Pseudolabrus miles	In	A	Manter (1954)
Plagioporus kyusen Yamaguti, 1959	*Halichoeres poecilopterus*	In	A	Yamaguti (1959), Shimazu & Nagasawa (1985)
	Halichoeres scapularis	In	A	Shimazu & Nagasawa (1985)
Plagioporus parathalassomatis Wang, 1982	*Thalassoma hardwicke*	In	A	Wang (1982)
Plagioporus pontica Koval, 1966	*Symphodus roissali*	In	A	Nikolaeva & Solonchenko (1970)
	Symphodus tinca	In	A	Nikolaeva & Solonchenko (1970)
Plagioporus skrjabini Koval, 1951	*Symphodus tinca*	In	A	Yamaguti (1971)
Plagioporus thalassomatis Yamaguti, 1942	*Thalassoma ballieui*	In	A	Yamaguti (1970)
	Thalassoma purpureum	In	A	Yamaguti (1971)
Plagioporus trachuri Pogorel'tseva, 1954	*Symphodus roissali*	In	A	Nikolaeva & Solonchenko (1970)
	Symphodus tinca	In	A	Nikolaeva & Solonchenko (1970)
Plagioporus tumidulus (Rudolphi, 1819)	*Labrus bergylta*	In	A	Nicoll (1909)
Plagioporus sp.	*Choerodon azurio*	In	A	Machida *et al.* (1970)
Podocotyle atomon (Rudolphi, 1802)	*Symphodus mediterraneus*	--	--	Sey (1970)
	Tautoga onitis	--	--	Linton (1940)
	Tautogolabrus adspersus	St	A	Sekhar (1969), Sekhar & Threlfall (1970a)
Podocotyle reflexa (Creplin, 1825)	*Tautogolabrus adspersus*	St	A	Sekhar (1969), Sekhar & Threlfall (1970a)
Pseudopecoelus minutus Nahhas & Cable, 1964	*Doratonotus megalepis*	In	A	Nahhas & Cable (1964)

Endoparasites	Hosts	Site of infection	Stage	References
Pseudoplagioporus interruptus Durio & Manter, 1968	*Choerodon venustus*	In	A	Cribb *et al.* (1992)
	Choerodon albigena	In	A	Durio & Manter (1968)
Pseudoplagioporus microrchis Yamaguti, 1942	*Anampses caeruleopunctatus*	In	A	Saoud & Ramadan (1984)
Family: Ptychogonimidae				
Ptychogonimus megastomus (Rudolphi, 1819)	*Tautogolabrus adspersus*	St	A	Sekhar (1969), Sekhar & Threlfall (1970a)
Family: Tandanicolidae				
Monodhelmis chilkai Gupta & Singh, 1999	*Halichoeres scapularis*	In	A	Gupta & Singh (1999)
Family: Zoogonidae				
Deretrema nahaense Yamaguti, 1942	*Gomphosus varius*	GB	A	Muñoz *et al.* (2007)
	Stethojulis bandanensis	GB	A	Cribb & Bray (1999)
	Thalassoma hardwicke	GB	A	Cribb *et al.* (1999), Muñoz *et al.* (2007)
	Thalassoma jansenii	GB	A	Cribb *et al.* (1999), Muñoz *et al.* (2007)
	Thalassoma lunare	GB	A	Cribb *et al.* (1998), Muñoz *et al.* (2007)
Deretrema scorpaenicola Bartoli & Bray, 1990	*Labrus merula*	GB	A	Bartoli & Bray (1990), Bartoli *et al.* (2005)
	Labrus viridis	GB	A	Bartoli *et al.* (2005)
	Symphodus ocellatus	GB	A	Bartoli *et al.* (2005)
	Symphodus rostratus	GB	A	Bartoli *et al.* (2005)
Deretrema fusillus Linton, 1910	*Decodon puellaris*	GB	A	Manter (1934)
Deretrema woolcockae Cribb, Wright & Bray, 1999	*Hemigymnus melapterus*	GB	A	Cribb & Bray (1999)
	Hemigymnus fasciatus	GB	A	Cribb *et al.* (1999)
Diphtherostomum brusinae (Stossich, 1899)	*Coris julis*	In (P), Re	A	Bartoli *et al.* (2005)
	Labrus merula	Re	A	Campos & Carbonell (1994), Sasal *et al.* (1999), Bartoli *et al.* (2005)
	Labrus bergylta	In (P), PC, Re	A	Bray (1986), Looss (1901)

Endoparasites	Hosts	Site of infection	Stage	References
	Symphodus tinca	In, Re	A	Campos & Carbonell (1994), Orecchia *et al.* (1988), Radujković & Śundic (2014)
	Symphodus cinereus	PC, In (P), Re	A	Bray (1986), Looss (1901)
	Symphodus roissali	PC, In (P), Re	A	Bray (1986), Looss (1901)
Diphtherostomum sp.	*Gomphosus varius*	Re	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	Re	A	Muñoz *et al.* (2007)
	Thalassoma hardwicke	Re	A	Muñoz *et al.* (2007)
Lecithostaphylus retroflexum (Molin, 1859)	*Labrus merula*	--	A	Papoutsoglou (1976)
Zoogonoides anampsi Toman, 1992	*Anampses caeruleopunctatus*	In	--	Toman (1992)
Zoogonoides kamegaii Toman, 1992	*Coris formosa*	In	--	Toman (1992)
Zoogonoides laevis Linton, 1940	*Tautoga onitis*	--	--	Linton (1940)
Zoogonoides pyriformis Pritchard, 1963	*Oxycheilinus digramma*	--	--	Madhavi (1979)
Zoogonus rubellus (Olsson, 1868)	*Labrus bimaculatus*	In	--	Bray & Gibson (1986)
	Labrus merula	Re	A	Campos & Carbonell (1994), Sasal *et al.* (1999), Bartoli *et al.* (2005)
	Symphodus tinca	In, Re	A	Yamaguti (1971), Campos & Carbonell (1994), Bartoli *et al.* (2005), Gargouri *et al.* (2010), Radujković & Śundic (2014)
Phylum: Nematoda				
Class: Adenophorea				
Orden: Trichurida				
Family: Trichinellidae				
Capillaria sp.	*Symphodus roissali*	--	--	Papoutsoglou (1976)
	Symphodus tinca	--	--	Papoutsoglou (1976)
Class: Secernentea				
Orden: Ascaridida				
Family: Anisakidae				
Anisakis simplex (Rudolphi, 1809)	*Ctenolabrus rupestris*	BC	L	Treasurer (1997)
	Labrus bergylta	BC	L	Treasurer (1997)

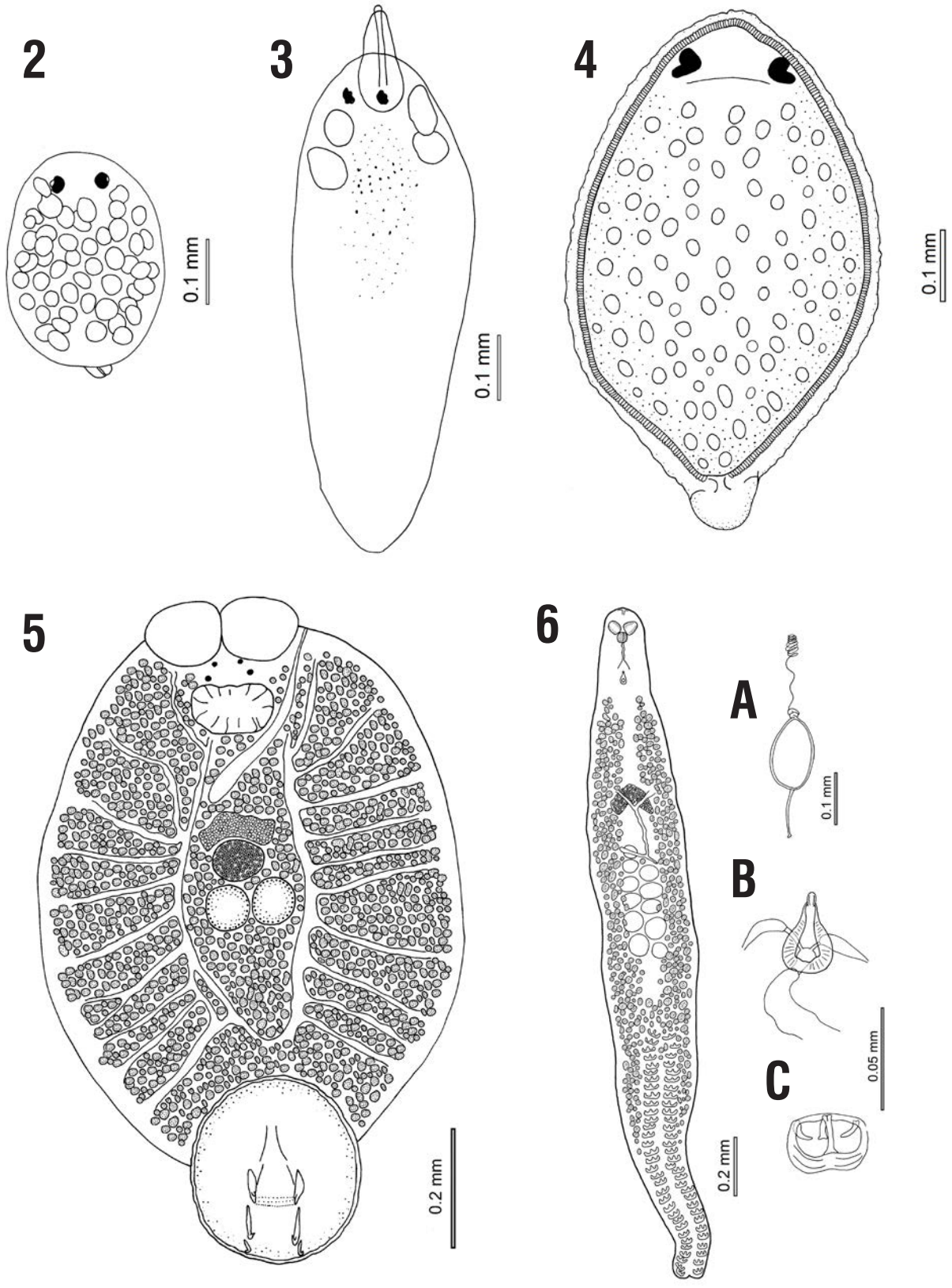
Endoparasites	Hosts	Site of infection	Stage	References
	Pseudolabrus miles	BC	L	Brunsdon unpublished (1953) *fide* Hewitt & Hine (1972)
Anisakis sp.	*Tautogolabrus adspersus*	AT, BC	L	Sekhar (1969)
Contracaecum aduncum (Rudolphi, 1802)	*Tautogolabrus adspersus*	In (A)	L	Sekhar (1969)
Contracaecum fabri (Rudolphi, 1819)	*Coris julis*	St, In	--	Papoutsoglou (1976)
	Symphodus mediterraneus	St, In	--	Papoutsoglou (1976)
	Symphodus rostratus	St, In	--	Papoutsoglou (1976)
	Symphodus tinca	St, In	--	Papoutsoglou (1976)
Contracaecum osculatum (Rudolphi, 1802)	*Ctenolabrus rupestris*	BC	L	Treasurer (1997)
	Labrus bergylta	BC	L	Treasurer (1997)
Contracaecum sp.	*Pseudolabrus celidotus*	St	L	Brunsdon unpublished (1956) *fide* Hewitt & Hine (1972)
	Tautogolabrus adspersus	AT, BC	A	Sekhar (1969)
Hysterothylacium aduncum (Rudolphi, 1802)	*Ctenolabrus rupestris*	BC	L	Treasurer (1997)
	Labrus bergylta	BC	L	Treasurer (1997)
Hysterothylacium sp.	*Choerodon venustus*	Mu	L	Lester & Sewell (1989)
	Symphodus tinca	BC	L	Campos & Carbonell (1994)
	Labrus merula	BC	L	Campos & Carbonell (1994)
Hysterothylacium sp. 1 (Fig. 63)	*Cheilinus chlorourus*	Mu, Fl, BC	L	Muñoz *et al.* (2007)
	Cheilinus fasciatus	Mu, Fl	L	Muñoz *et al.* (2007)
	Cheilinus trilobatus	Mu, Fl	L	Muñoz *et al.* (2007)
	Epibulus insidiator	Fl	L	Muñoz *et al.* (2007)
	Hemigymnus melapterus	BC	L	Muñoz *et al.* (2007)
	Oxycheilinus digramma	BC	L	Muñoz *et al.* (2007)
Hysterothylacium sp. 2 (Fig. 64)	*Hemigymnus melapterus*	In	L	Muñoz *et al.* (2007)
	Halichoeres melanurus	BC	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	BC, In	L	Muñoz *et al.* (2007)
	Thalassoma lunare	BC, In	L	Muñoz *et al.* (2007)
Hysterothylacium sp. 3 (Fig. 65)	*Hemigymnus melapterus*	In	L	Muñoz *et al.* (2007)
Pseudoterranova sp. (Fig. 66)	*Epibulus insidiator*	Fl	L	Muñoz *et al.* (2007)

Endoparasites	Hosts	Site of infection	Stage	References
	Hemigymnus melapterus	BC	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	BC	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	BC	L	Muñoz *et al.* (2007)
	Thalassoma lunare	BC	L	Muñoz *et al.* (2007)
Phocanema sp.	*Tautogolabrus adspersus*	AT, BC	L	Sekhar (1969)
Phocascaris sp.	*Tautogolabrus adspersus*	AT, BC	L	Sekhar (1969)
Unidentified anisakids	*Cheilinus chlorourus*	In	L	Muñoz *et al.* (2007)
	Ctenolabrus rupestris	BC	L	Treasurer (1997)
	Hemigymnus melapterus	BC	L	Munoz & Cribb (2005)
	Labrus bergylta	--	L	Treasurer (1997)
	Halichoeres radiatus	AT	L	Linton (1907)
	Tautogolabrus adspersus	--	L	Billiard & Khan (2003)
Family: Cucullanidae				
Cucullanus carbonelli Campos, Carbonell & Rodríguez-Babio, 1993	*Symphodus tinca*	In	A	Campos & Carbonell (1992, 1994)
Cucullanus micropapillatus Tornquist, 1931	*Labrus merula*	In	A	Janiszewska (1949), Campos & Carbonell (1992, 1994)
	Symphodus cinereus	In	A	Tornquist (1931), Papoutsoglou (1976), Petter & Radujković (1989)
	Symphodus doderleini	In	A	Papoutsoglou (1976)
	Symphodus ocellatus	In	A	Petter & Radujković (1989)
	Symphodus roissali	In	A	Tornquist (1931), Papoutsoglou (1976)
	Symphodus tinca	In	A	Janiszewska (1949), Tornquist (1931), Papoutsoglou (1976), Petter & Radujković (1989)
Cucullanus sp. (Fig. 67)	*Choerodon anchorago*	In	A	Present study
	Choerodon schoenleinii	In	A	Present study
	Choerodon venustus	In	A	Lester & Sewell (1989)
	Epibulus insidiator	In	A	Muñoz *et al.* (2007)
	Oxycheilinus digramma	In	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	In	A	Muñoz *et al.* (2007)
Dichelyne (*Cucullanellus*) *minutus* (Rudolphi, 1819) (Syn. *Cucullanelus minutus*)	*Tautogolabrus adspersus*	St	A	Sekhar (1969)
	Labrus bergylta	--	--	Quinteiro *et al*. (1987)

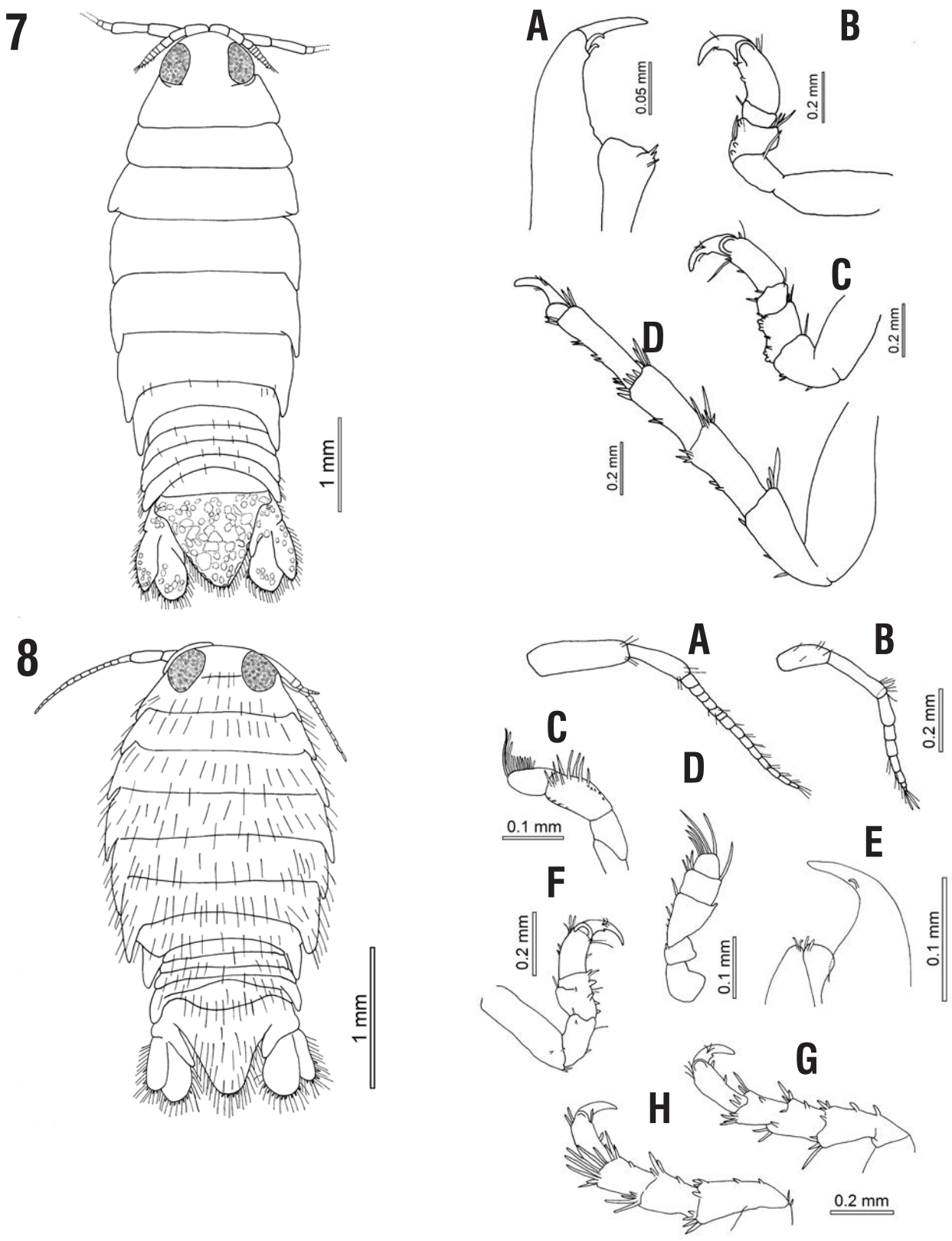
Endoparasites	Hosts	Site of infection	Stage	References
Dichelyne (*Cucullanellus*) *tripapillatus* (Gendre 1927)	*Bodianus speciosus*	In	A	Campana-Rouget (1957)
Dichelyne sp.	*Choerodon cyanodus*	In	A	Lester & Sewell (1989)
Order: Spirurida				
Family: Camallanidae				
Camallanus sp.	*Thalassoma hardwicke*	AT	L	Rigby *et al.* (1999)
	Epibulus insidiator	In	L	Muñoz *et al.* (2007)
Procamallanus sp. (Fig. 68)	*Anampses neoguinaicus*	In	A	Present study
	Stethojulis bandanensis	In (P)	A	Muñoz *et al.* (2007)
Spirocamallanus monotaxis Olsen, 1952	*Cheilinus chlorourus*	AT	A	Rigby *et al.* (1999)
	Thalassoma hardwicke	AT	A	Rigby *et al.* (1999)
Spirocamallanus sp. (Fig. 69)	*Cheilinus chlorourus*	In	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	In	A	Muñoz *et al.* (2007)
	Coris batuensis	In	A	Muñoz *et al.* (2007)
	Gomphosus varius	In	A	Muñoz *et al.* (2007)
	Halichoeres melanurus	In	A	Muñoz *et al.* (2007)
	Stethojulis strigiventer	In	A	Muñoz *et al.* (2007)
	Thalassoma hardwicke	In	L, A	Rigby *et al.* (1999), Muñoz *et al.* (2007)
	Thalassoma lunare	In	A	Muñoz *et al.* (2007)
Family: Cystidicolidae				
Ascarophis sp. (Fig. 70)	*Symphodus tinca*	Re	A	Campos & Carbonell (1994)
	Halichoeres lutencens	In	A	Present study
Family: Unknown				
Unidentified spirurids	*Hemigymnus melapterus*	In	L	Munoz & Cribb (2005)
Family: Physalopteridae				
Heliconema sp. (Fig. 71)	*Coris batuensis*	BC	L	Muñoz *et al.* (2007)
	Gomphosus varius	BC	L	Muñoz *et al.* (2007)
	Halichoeres melanurus	BC	L	Muñoz *et al.* (2007)
	Oxycheilinus digramma	BC	L	Muñoz *et al.* (2007)
	Thalassoma hardwicke	BC	L	Muñoz *et al.* (2007)
	Thalassoma jansenii	BC	L	Muñoz *et al.* (2007)
	Thalassoma lunare	BC	L	Muñoz *et al.* (2007)
	Thalassoma lutescens	BC	L	Present study
Family: Unknown				
Unidentified spirurids	*Cheilinus chlorourus*	Re	A	Muñoz *et al.* (2007)
	Cheilinus trilobatus	Re	A	Muñoz *et al.* (2007)
	Gomphosus varius	Re	A	Muñoz *et al.* (2007)

Endoparasites	Hosts	Site of infection	Stage	References
	Thalassoma lunare	Re	A	Muñoz *et al.* (2007)
	Thalassoma jansenii	In	A	Muñoz *et al.* (2007)
Family: Philometridae				
Philometra sp.	*Oxycheilinus digramma*	Go	A	Muñoz *et al.* (2007)
Class: Adenophorea				
Order: Enoplida				
Family: Trichosomoididae				
Huffmanela ossicola Jean-Lou, 2004	*Bodianus loxozonus*	Bo	E	Jean-Lou (2004)
Huffmanela sp.	*Bodianus perditio*	AT	A	Moravec & Justine (2010)
ACANTHOCEPHALA				
Class: Palaeacanthocephala				
Order: Echinorhynchida				
Family: Diplosentidae				
Trajectura perinsolens (Machida, 1992)	*Anampses neoguinaicus*	In	A	Pichelin & Cribb (2001)
	Cirrhilabrus cyanopleura	In	A	Pichelin & Cribb (2001)
Transvena annulospinosa Pichelin & Cribb, 2001	*Anampses caeruleopunctatus*	In	A	Pichelin & Cribb (2001)
	Anampses geographicus	In	A	Pichelin & Cribb (2001), Present study
	Anampses neoguinaicus	In	A	Pichelin & Cribb (2001), Present study
	Hemigymnus fasciatus	In	A	Pichelin & Cribb (2001)
	Hemigymnus melapterus	In	A	Pichelin & Cribb (2001), Muñoz & Cribb (2005), Muñoz *et al.* (2007)
	Thalassoma jansenii	In	A	Pichelin & Cribb (2001)
	Thalassoma lunare	In	A	Pichelin & Cribb (2001)
	Cheilinus fasciatus	In	A	Muñoz *et al.* (2007)
Family: Echinorhynchidae				
Echinorhynchus gadi Zoega in Müller 1776	*Tautogolabrus adspersus*	AT, BC	L	Sekhar (1969), Billiard & Khan (2003)
Echinorhynchus sp.	*Centrolabrus exoletus*	AT	A	Treasurer (1997)
	Ctenolabrus rupestris	AT	A	Treasurer (1997)
Unidentified echinorhynchids	*Halichoeres chloropterus*	In	A	Present study

Endoparasites	Hosts	Site of infection	Stage	References
Family: Hypoechinorhynchidae				
Hypoechinorhynchus robustus Pichelin, 1999	*Notolabrus parilus*	In	A	Pichelin (1999)
Hypoechinorhynchus sp.	*Thalassoma lunare*	In	A	Muñoz *et al.* (2007)
Family: Illiosentidae				
Tegorhynchus brevis Van Cleave, 1921	*Malapterus reticulatus*	In	A	Van Cleave (1921), Monks *et al.* (1997)
Telosentis exiquus Linstow, 1901	*Symphodus mediterraneus*	In	A	Papoutsoglou (1976)
Family: Unknown				
Unidentified acanthocephalans	*Labrus merula*	BC	L	Campos & Carbonell (1994)



Figs. 2–4: TURBELLARIA. 2–3) *Icthyophaga* spp. , 4), *Paravortex* sp.
Figs. 5–6: MONOGENENEA: 5) *Neobenedenia* cf. *lolo*, 6) *Polylabris* sp.; A: egg, B: genital end, C: clamp.



Figs. 7–8: ISOPODA: *Argathona* spp.
7) *Argathona macronema*; A: maxillule, B: leg 1, C: leg 2, D: leg 3; 8) *Argathona cf. stebblingi*; A: antenna, B: antennule, C: maxilla, D: maxilliped, E: maxillule, F: leg 1, G: leg 2, H: leg 3.

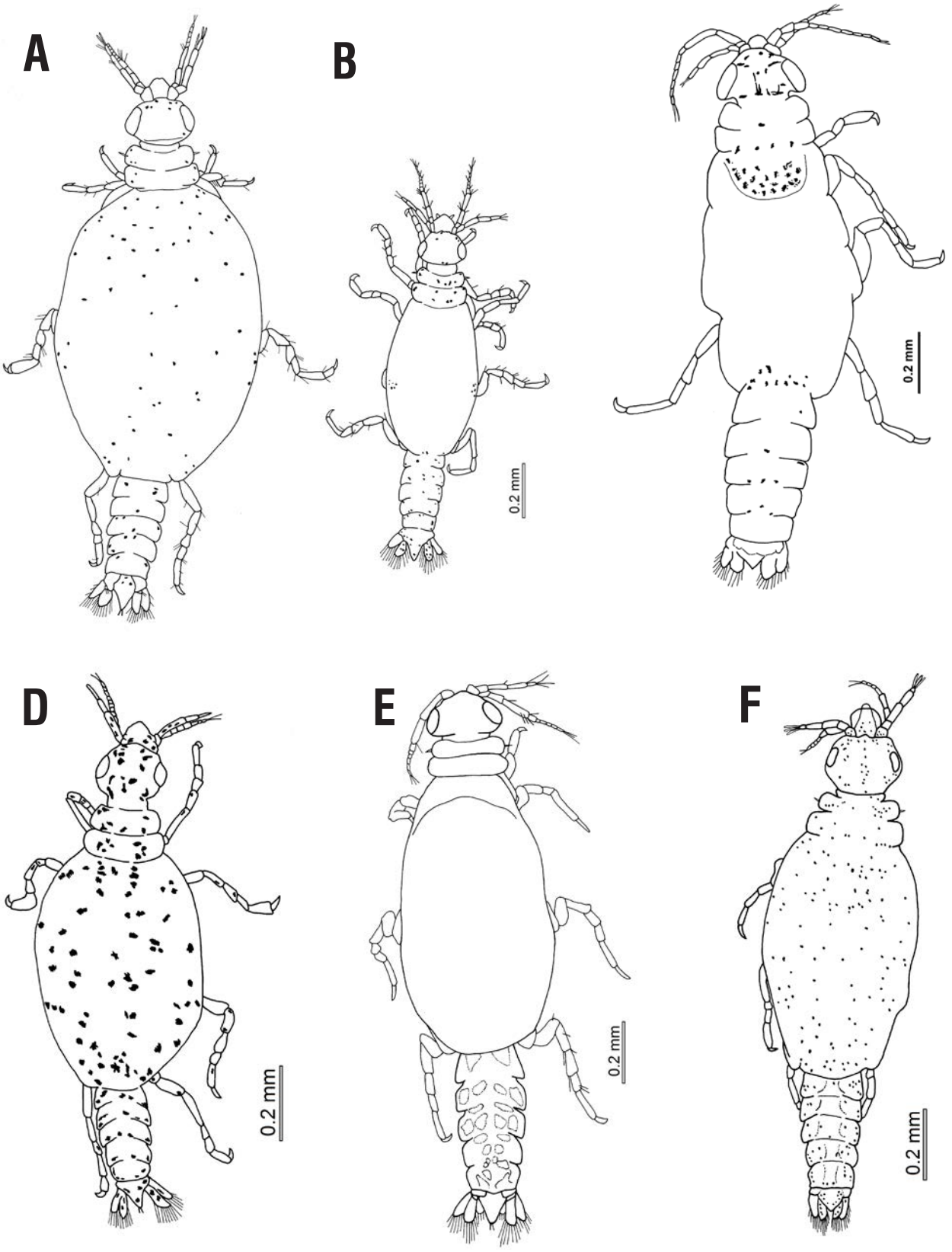
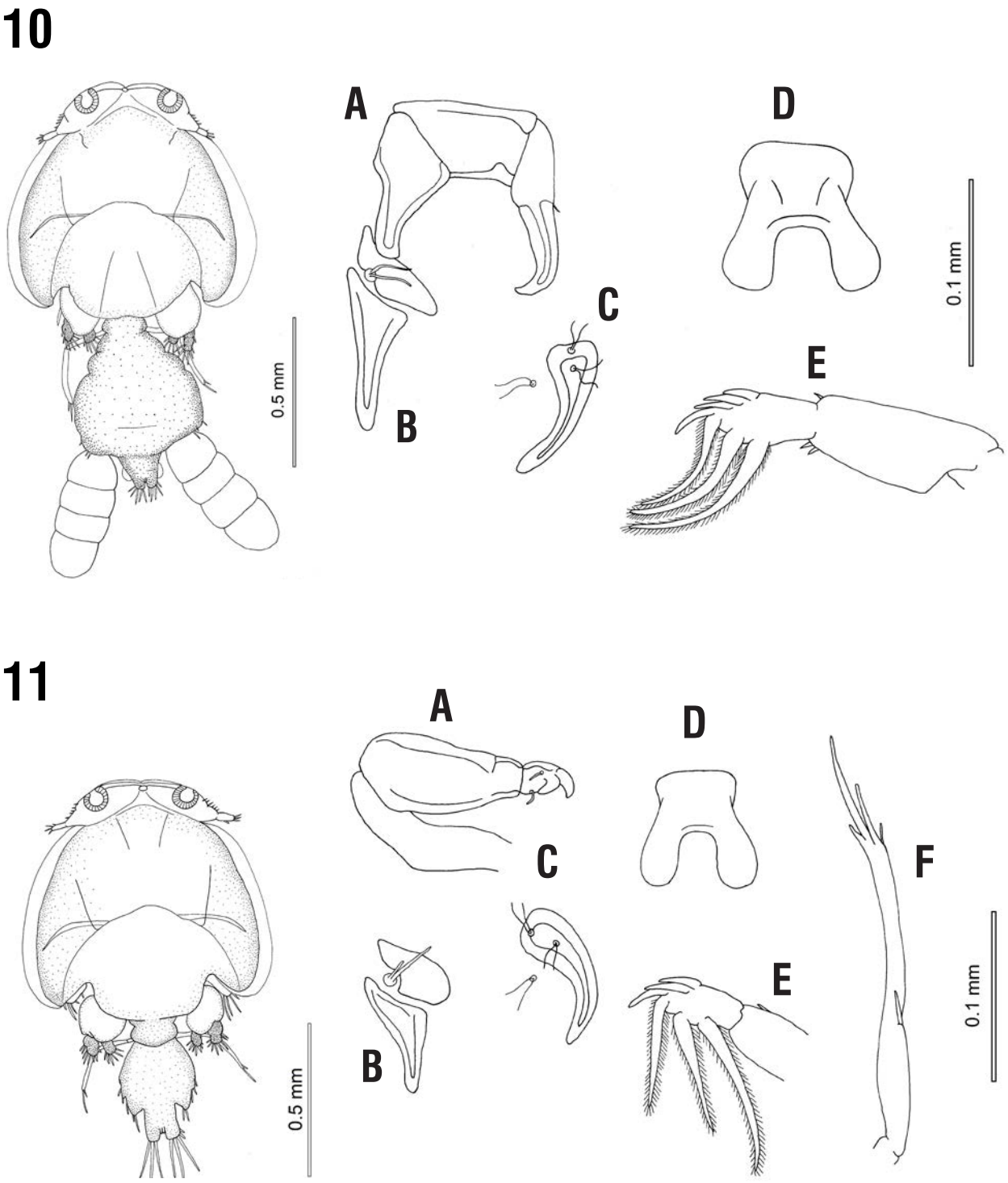
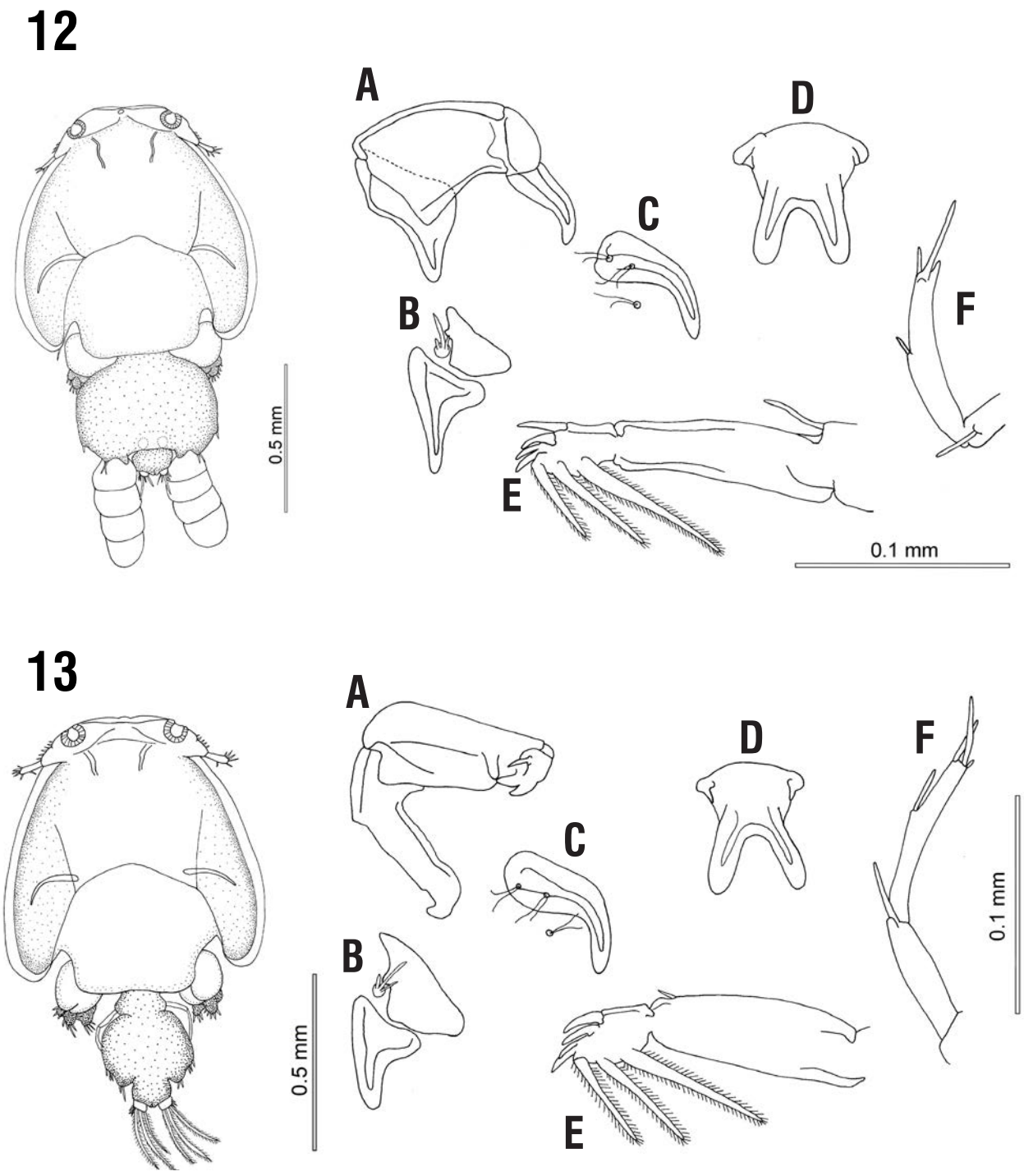


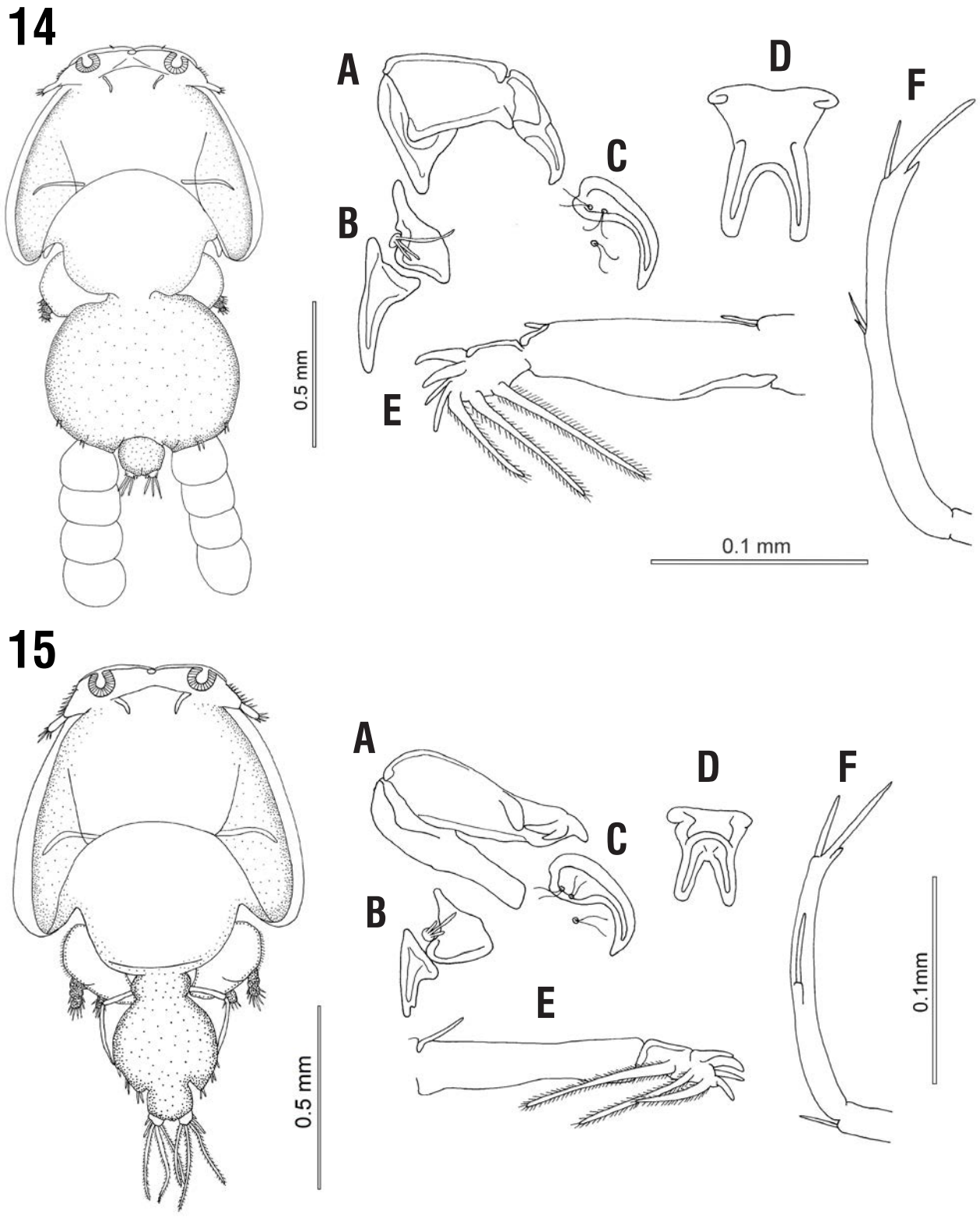
Fig. 9: ISOPODA: *Gnathia* spp.
A–B: different larval stages, A - F: Different morphotypes (possibly different species)



Figs. 10–11: COPEPODA: *Caligus* sp. 1.
10) Adult female; A: antenna, B: maxillule, C: postantennary process, D: sternal furca, E: leg 1.
11) Adult male, A: antenna, B: maxillule, C: postantennary process, D: sternal furca, E: leg 1, F: maxilla.



Figs. 12–13: COPEPODA: *Caligus* sp. 2.
12) Adult female, A: antenna, B: maxillule, C: postantennary process, D: sternal furca, E: leg 1, F: maxilla.
13) Adult male, A: antenna, B: maxillule, C: postantennary process, D: sternal furca, E: leg 1, F: maxilla.



Figs. 14–15: COPEPODA: *Caligus* sp. 3.
14) Adult female, A: antenna, B: maxillule, C: postantennary process, D: sternal furca, E: leg 1, F: maxilla.
15) Adult male, A: antenna, B: maxillule, C: postantennary process, D: sternal furca, E: leg 1, F: maxilla.

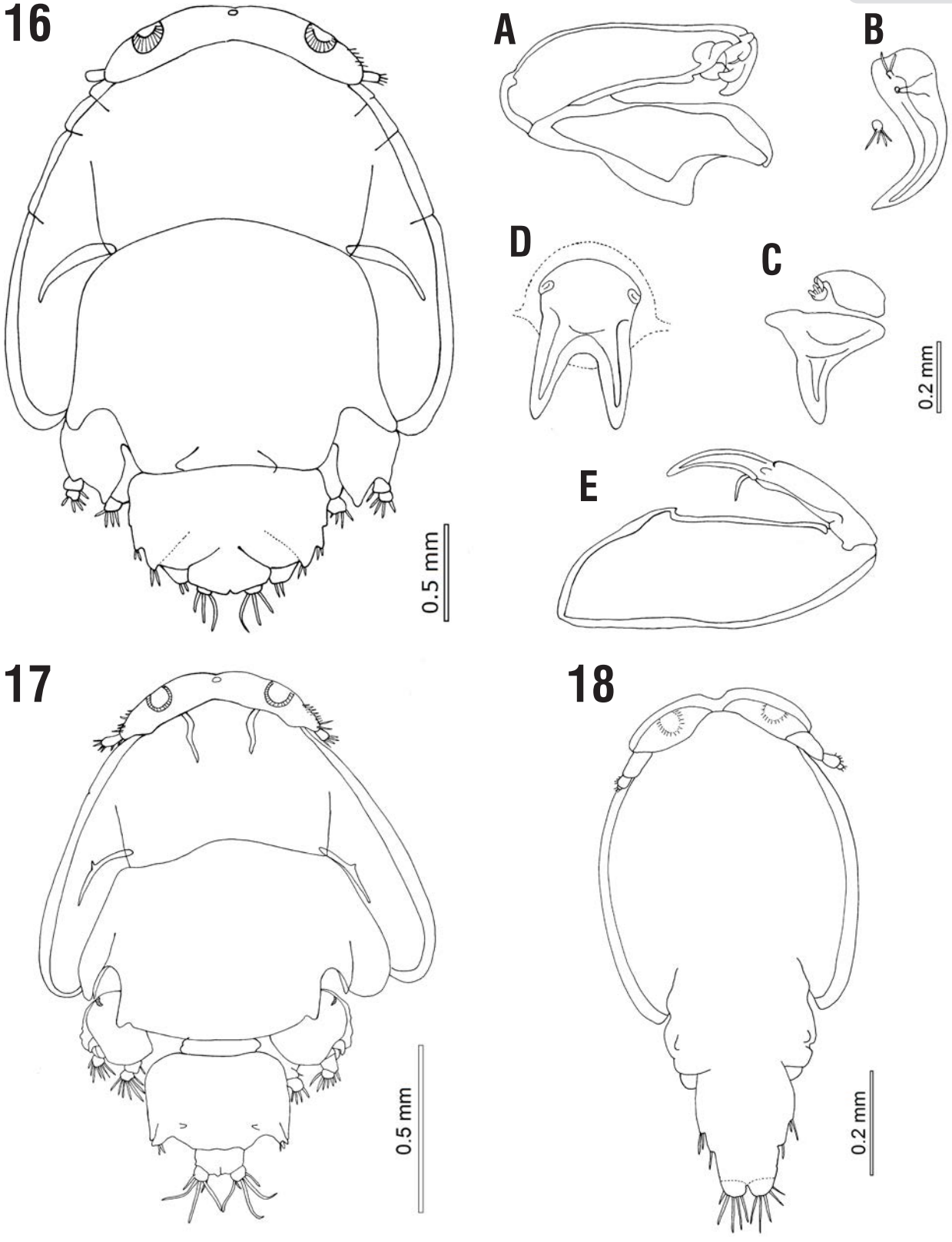
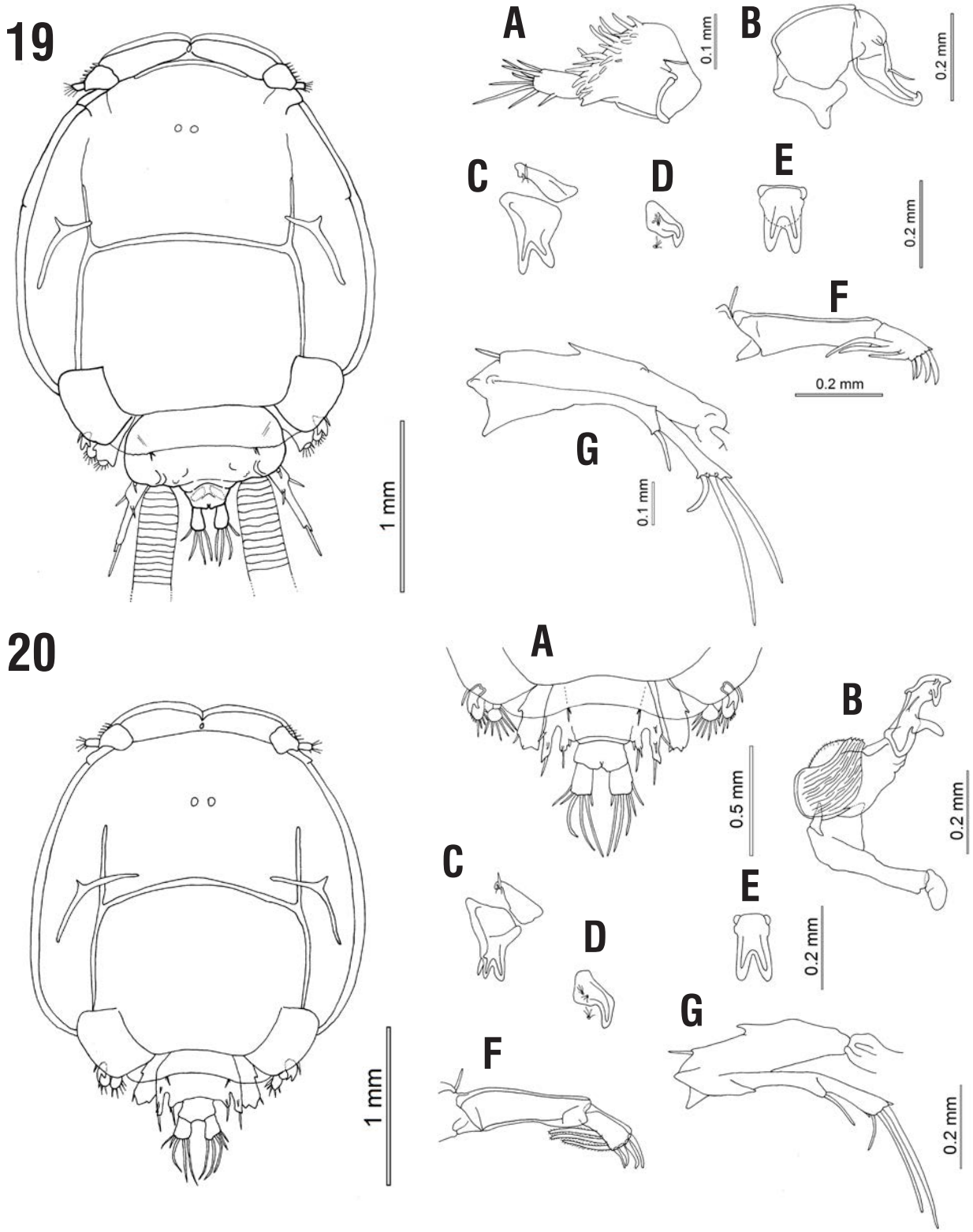


Fig. 16–18: COPEPODA.
16) Adult male *Caligus* sp. 4, A: antenna, B: postantennary process, C: sternal furca, D: maxillule, E: maxilliped; 17) Adult male *Caligus* sp. 5; 18) undetermined *Caligus* species at chalimus stage.



Figs. 19–20: COPEPODA: *Lepeophtheirus lewisi.*
19) Adult female, A: antennule, B: antenna, C: maxillule, D: postantennary process, E: sternal furca, F: leg 1, G: leg 4; 20) Adult male, A: posterior portion of the body, B: antenna, C: maxillule, D: postantennary process, E: sternal furca, F: leg 1, G: leg 4.

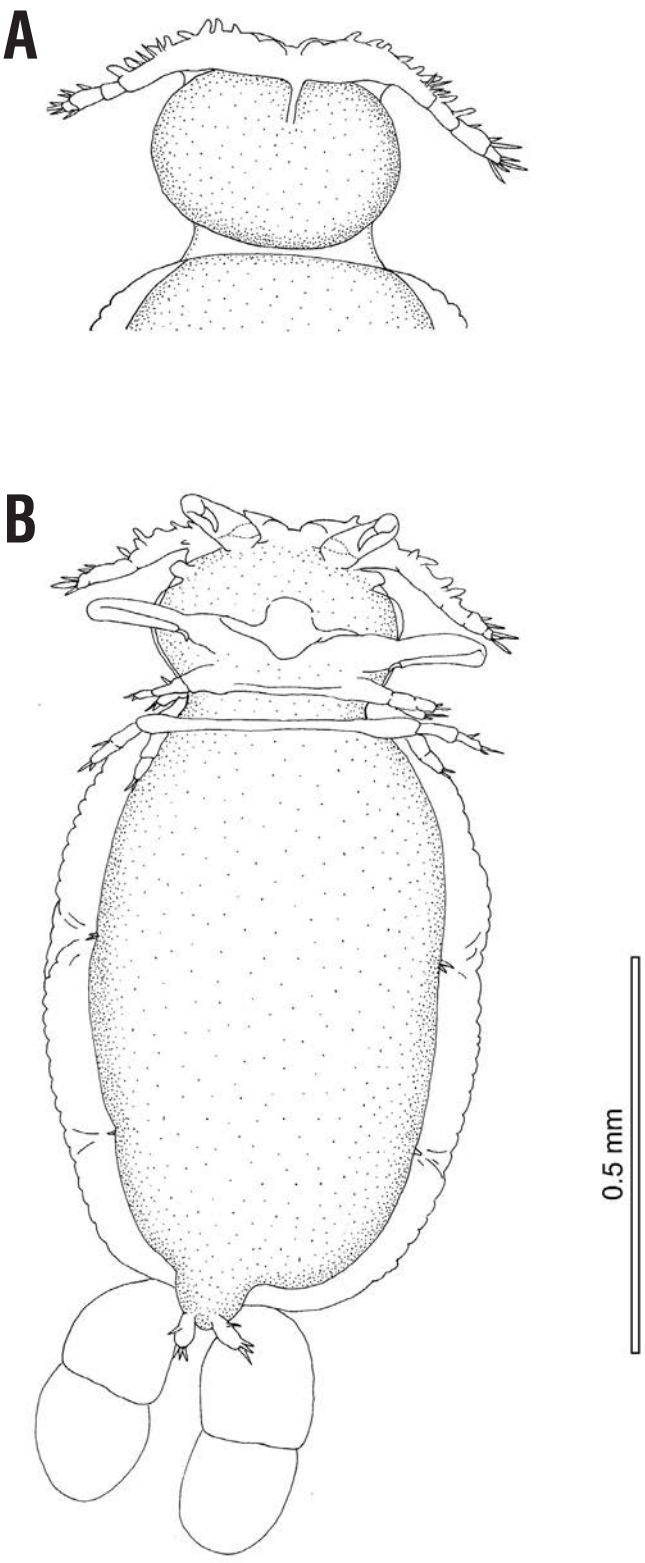


Fig. 21. COPEPODA: *Hatschekia hemigymni*
21) A: dorsal view of the head, B: ventral whole body.

FIG. 22

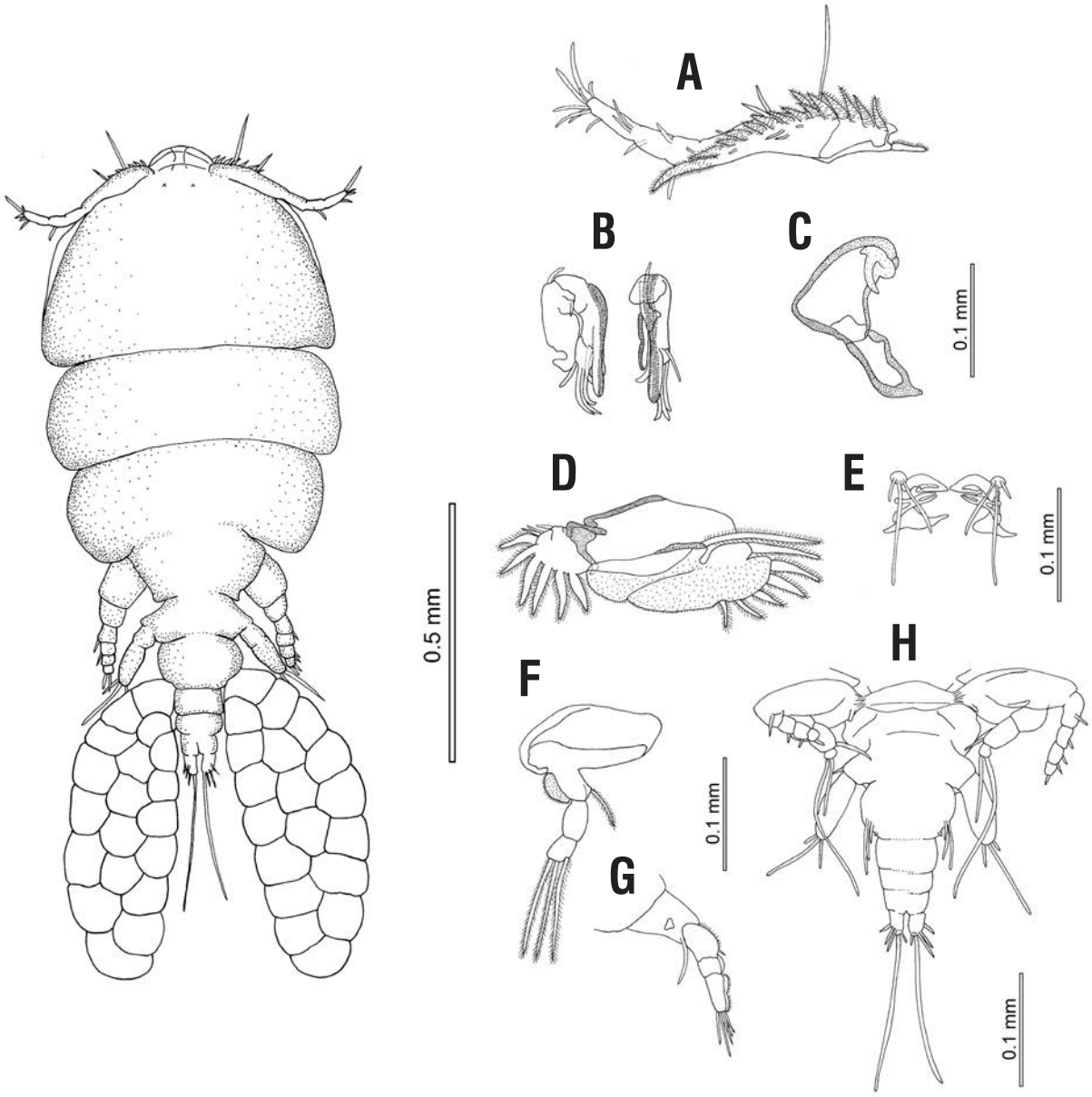


Fig. 22: COPEPODA: *Orbitaloax williamsi*.
22) Adult female, A: antennule, B: antennae, C: maxilliped, D: leg 1, E: oral area, F: endopod leg 2, G: exopod leg 2, H: posterior part of the body showing legs 4 and 5 and abdomen.

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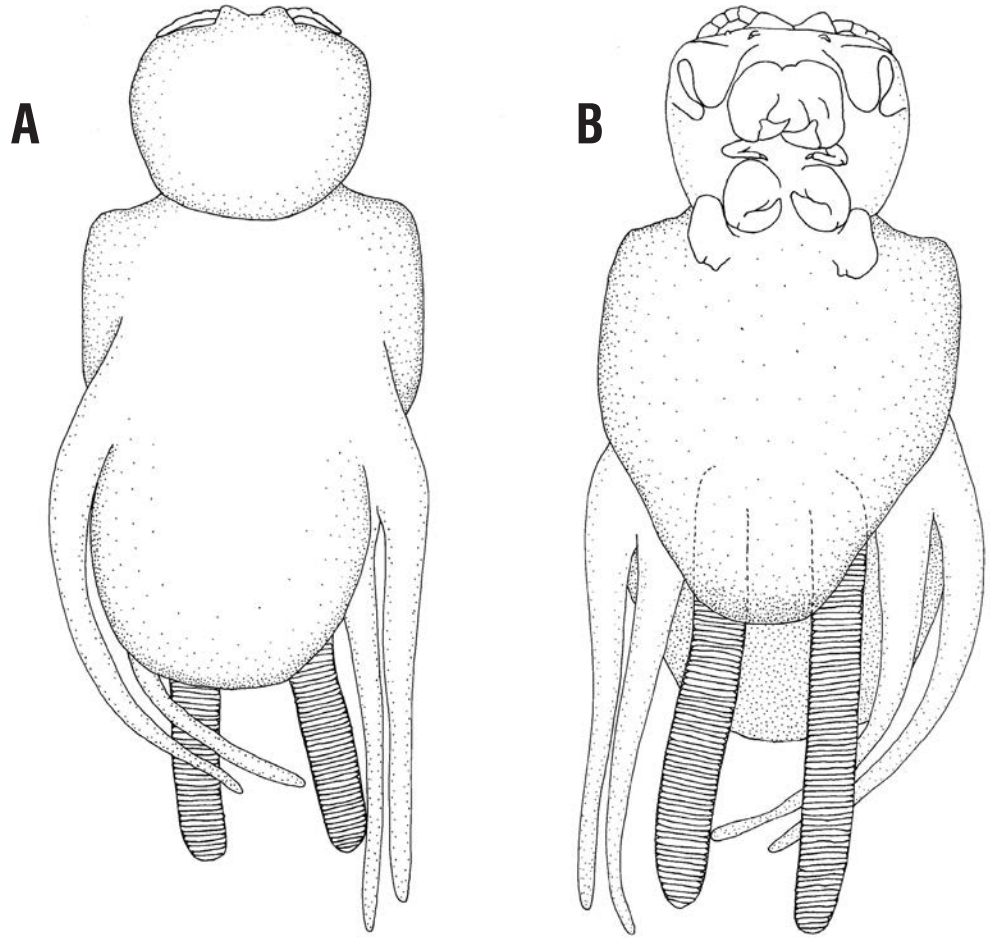

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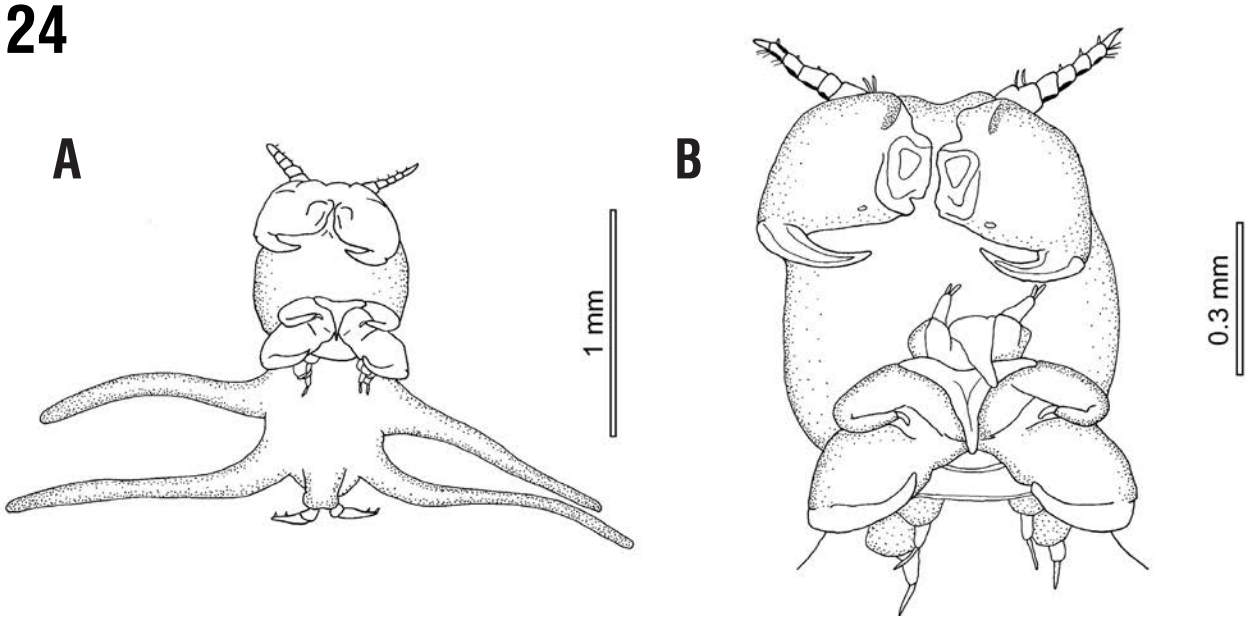
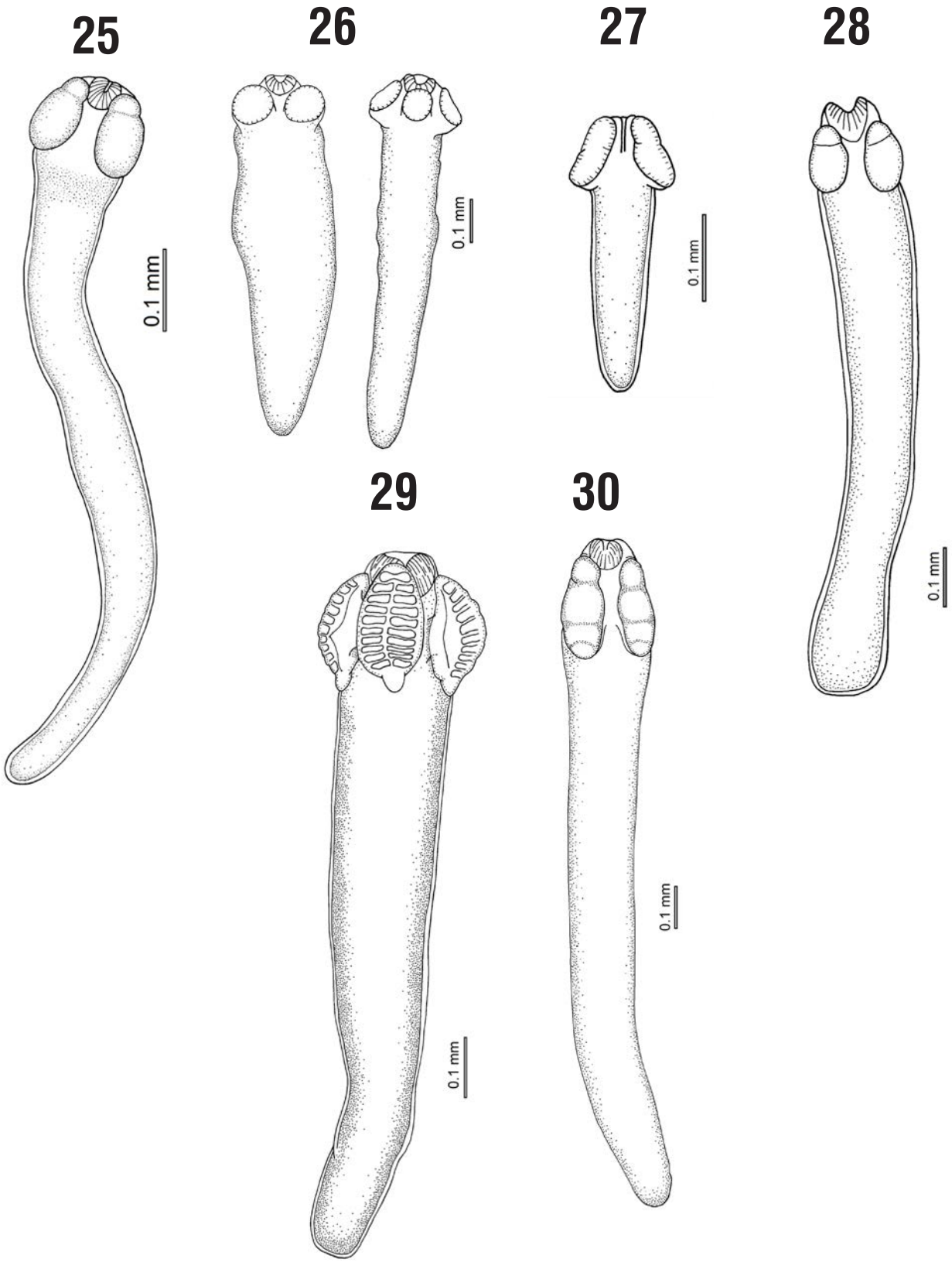
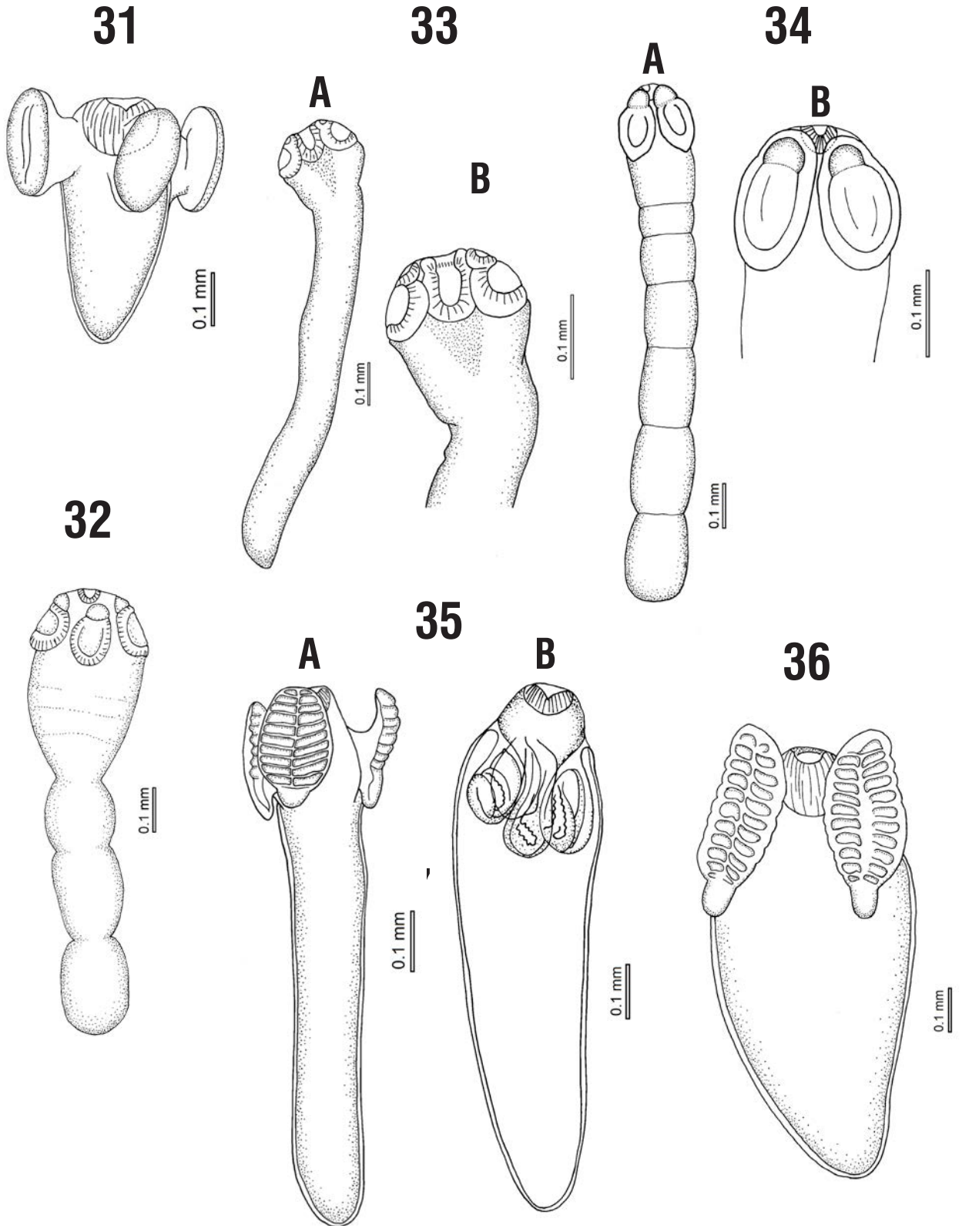


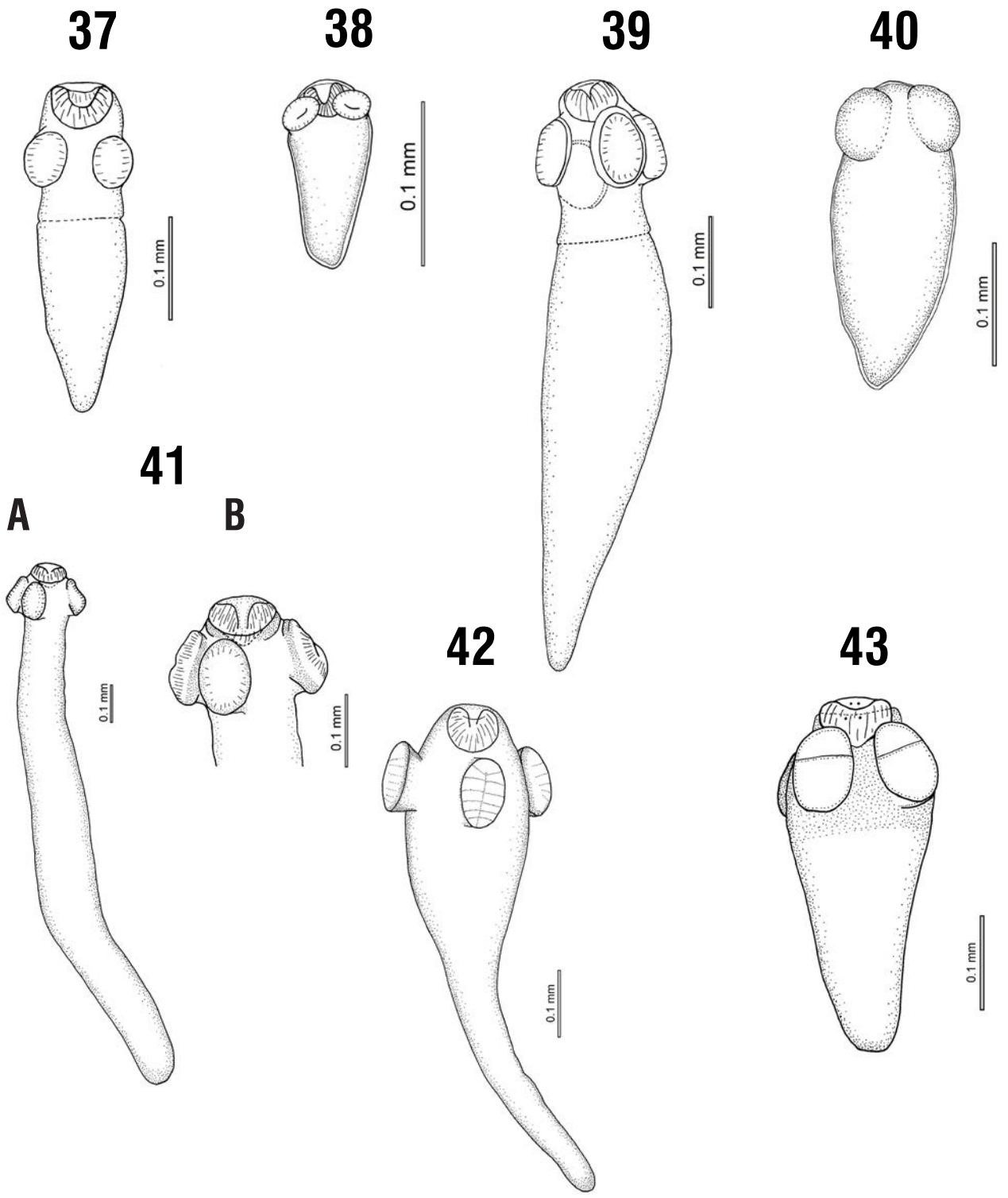
Figs. 23–24: COPEPODA: *Lernanthropus* sp.
23) Female, A:, Doral view of the body, B: ventral view of the body
24) Male, A: ventral whole body, B: detail of the head.



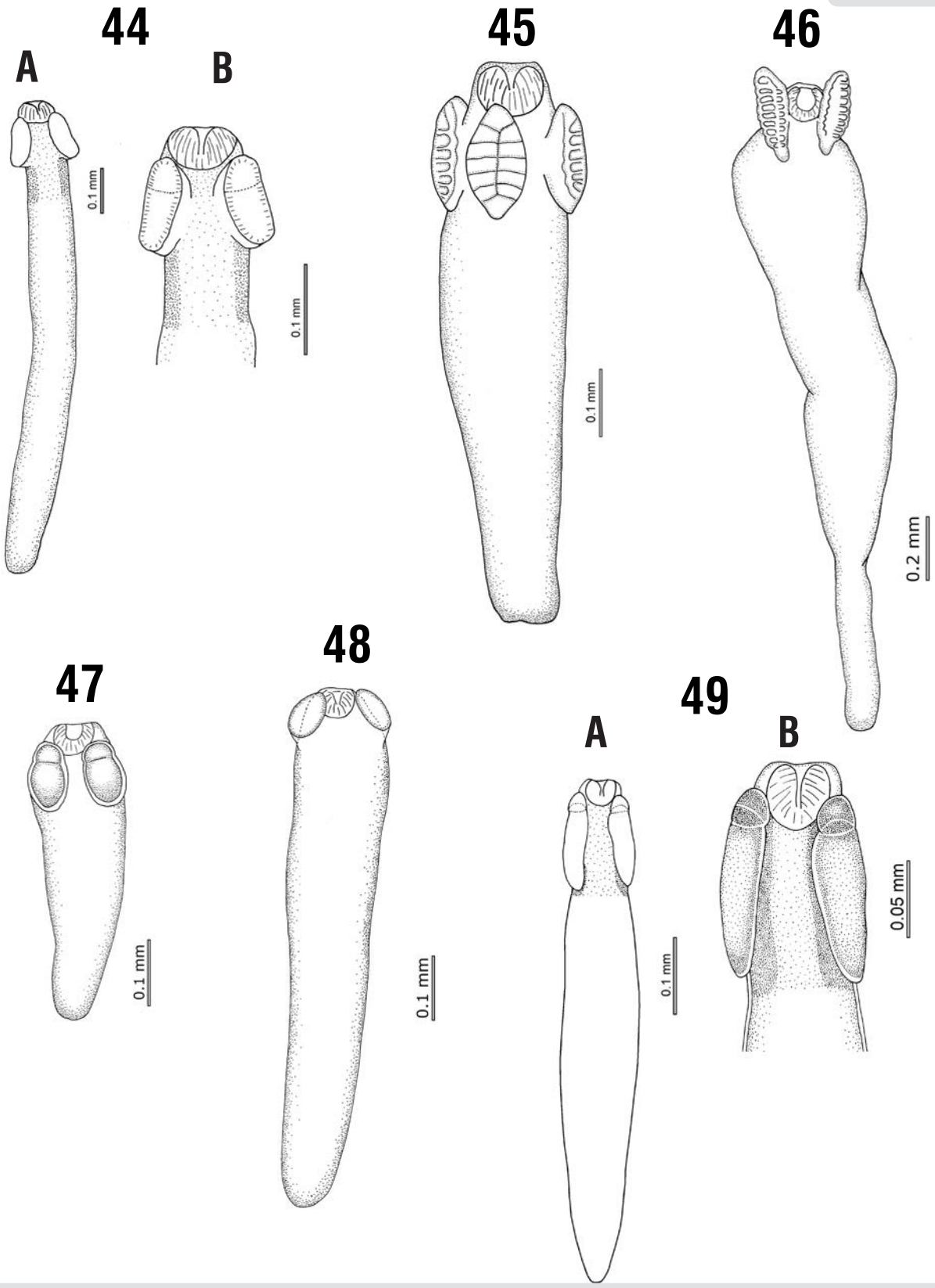
Figs. 25-30. CESTODA. Different morphotypes of tetraphyllidean larvae.
25) Morphotype 1; 26) Morphotype 4; 27) Morphotype 6; 28) Morphotype 8; 29) Morphotype 10; 30) Morphotype 12



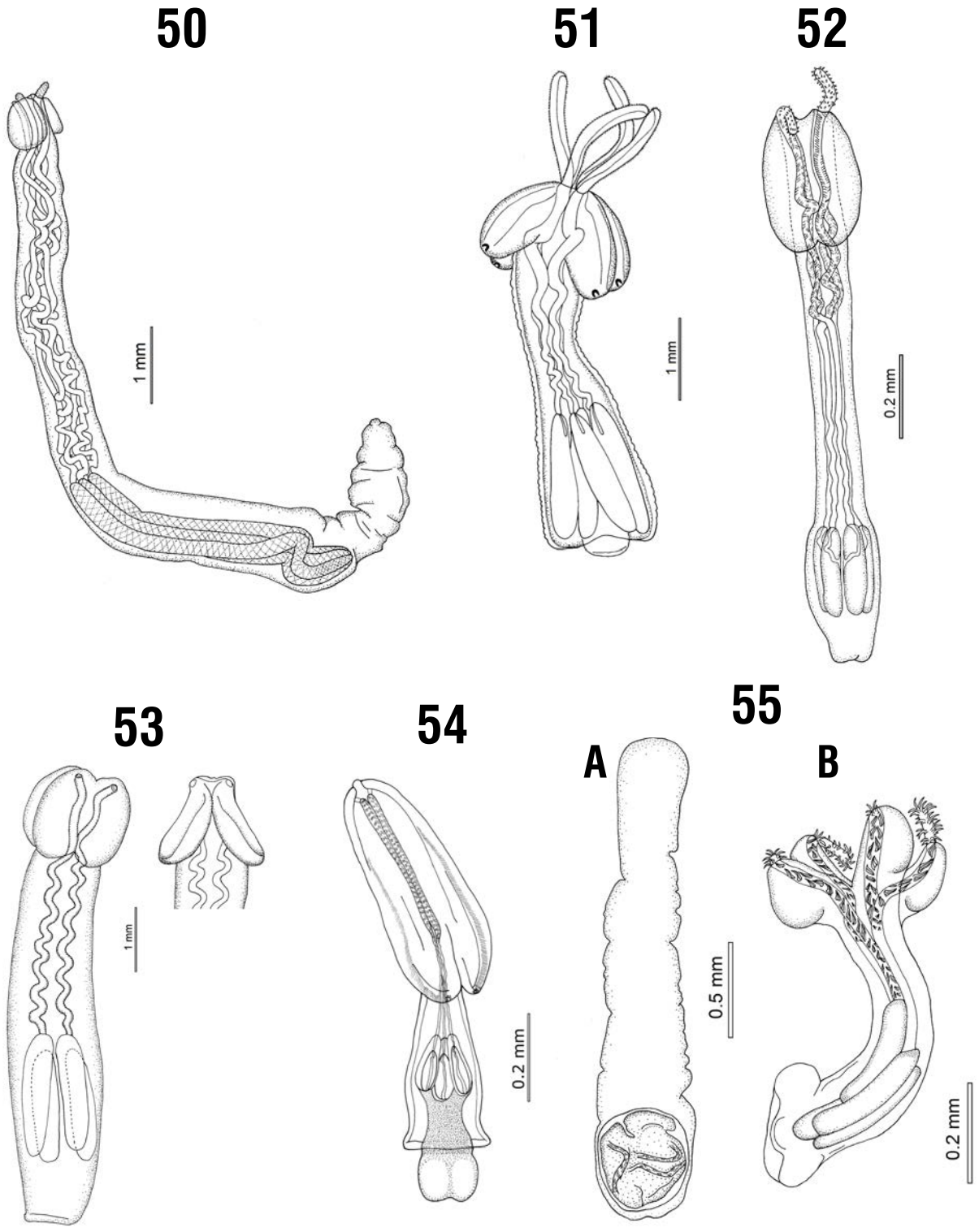
Figs. 31–36: CESTODA. Different morphotypes of tetraphyllidean larvae.
31) Morphotype 13; 32) Morphotype 14; 33) Morphotype 15, A: whole body, B: scolex; 34) Morphotype 16, A: whole body, B: scolex; 35) Morphotype 17, A: bothridia extended, B: bothridia invaginated; 36) Morphotype 18



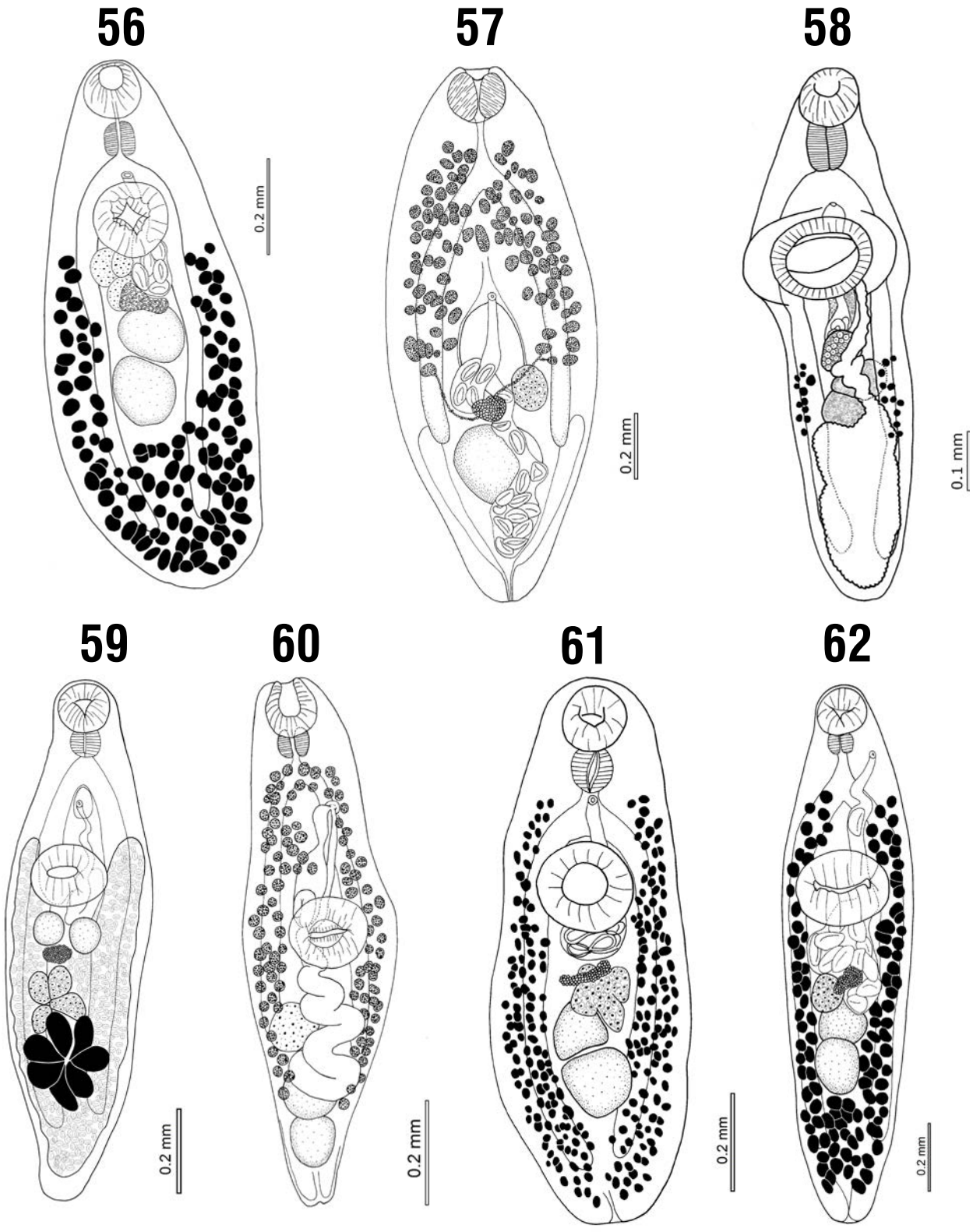
Figs. 37-44. CESTODA. Different morphotypes of tetraphyllidean larvae.
37) Morphotype 19; 38) Morphotype 20; 39) Morphotype 21; 40) Morphotype 22; 41) Morphotype 23, A) whole body, B: scolex; 42) Morphotype 24; 43) Morphotype 25.



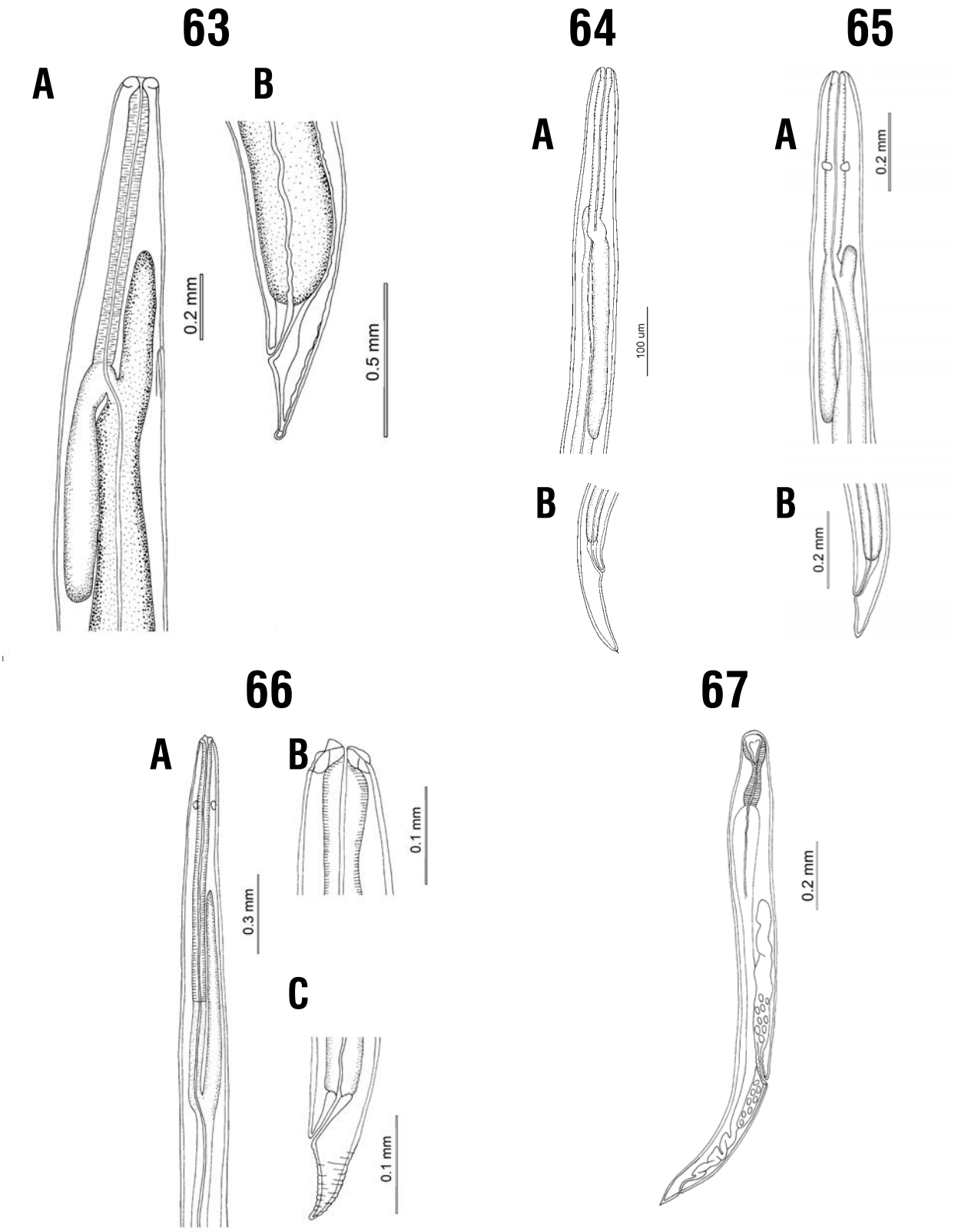
Figs. 44–49: CESTODA. Different morphotypes of tetraphyllidean larvae.
44) Morphotype 26, A) whole body, B: scolex; 45) Morphotype 27; 46) Morphotype 28; 49) Morphotype 29; 48) Morphotype 30;49) Morphotype 31, A) whole body, B: scolex



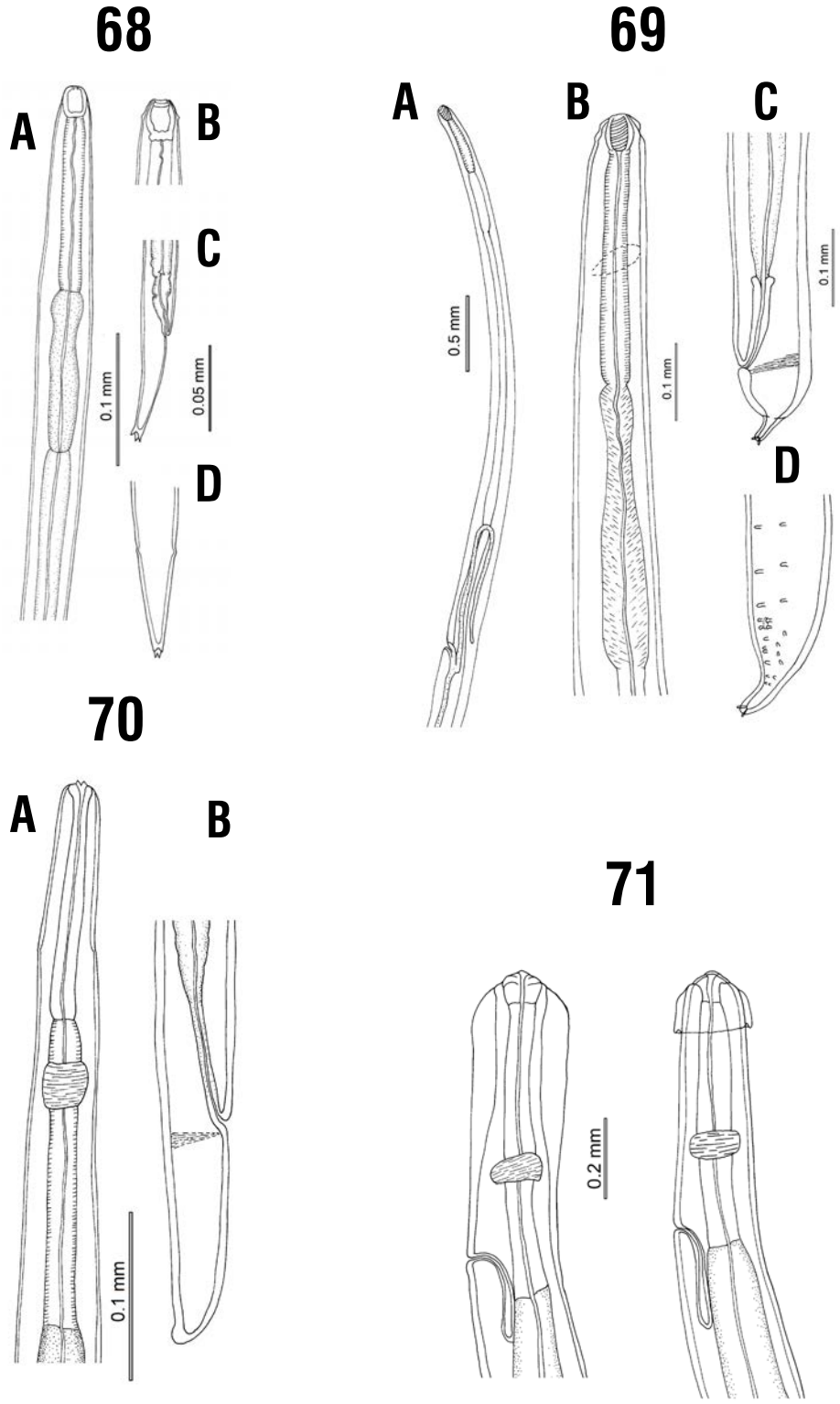
Figs. 50–55: CESTODA. Larvae of Trypanorhynchidae.
50) *Oncomegas* sp.; 51) *Dolfusiella* sp.; 52) *Grillotia* sp.; 53) Grillotidae gen sp. 1; 54) *Pseudonybelinia* sp.; 55) *Pterobothrium australiense,* A: cyst, B: excysted worm



Figs. 56-62: TREMATODA
56) *Callohelmis pichelinae*; 57) *Bivesicula* sp. 1; 58) *Proctoeces maculatus*; 59) *Lecithaster stellatus*; 60) *Diplobulbus thalassomatis*; 61) *Helicometra fasciata*; 62) *Macvicaria* sp. 1



Figs. 63-67: NEMATODA.
63) *Hysterothylacium* sp. 1, A: anterior part of the body, B: tail; 64) *Hysterothylacium* sp. 2, A: anterior part of the body, B: tail; 65) *Hysterothylacium* sp. 3, A: anterior part of the body, B: tail; 66) *Pseudoterranova* sp., A: anterior part of the body, B: cephalic region, C: tail; 67) *Cucullanus* sp.



Figs. 68-71: NEMATODA.
68) *Procamallanus* sp., A: anterior part of the body, B: cephalic region, C: tail, D: posterior end of the tail; 69) *Spirocamallanus* sp., A: anterior mid-part of the body, B: anterior part, C: tail of a female, D: tail of a male; 70) *Ascarophis* sp., A: anterior part of the body, B: tail; 71) *Heliconema* sp.

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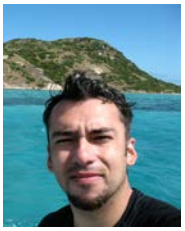

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Tropical waters are well known for their great diversity of species, and parasites are no exception. They are as abundant and rich in species as any other group of organisms, however, there is relatively little known about them, even where host species are widely distributed. Labridae is the second largest marine fish family in the tropical and subtropical waters, with a total of 580 species worldwide. Despite the high species richness of this fish group, information on their parasites is limited. There are several articles on parasite's descriptions, but only few studies concerning about the parasite communities. Therefore, this checklist of parasites in labrids is a compilation of the parasites and host species recorded in 176 bibliographic sources. A total of 338 parasite taxa from 127 fish species are hereby listed.