

Fish parasites: Platyhelminthes (Monogenea, Digenea, Cestoda) and Nematodes, reported from off New Caledonia

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The records presented include a parasite-host list and a host-parasite list. The reference is indicated for each record. The lists deal only with published reports; unpublished results by the author or identifications of specimens by other researchers are not included. Papers with insufficient taxonomic information, such as those of Morand *et al.* (2000) which reports digeneans and nematodes in chaetodontid fishes, without any parasite names, are not included in the lists.

Numbers of parasites recorded

The present lists include a total of 130 records of parasites: 40 monopisthocotylean monogeneans, 4 polyopisthocotylean monogeneans, 66 digeneans, 6 cestodes and 14 nematodes. Although a few early reports might have escaped the attention of the author, a striking fact is that only a single monogenean (among 44 records) and a single nematode (among 14) were recorded before 2000. For the digeneans, a short visit by Manter in 1967 included 46 of the 66 records. The number of fish species in the lists is only 98, less than 10% of the total number of coral reef fish recorded; in addition, many of these fish have probably been investigated only for specific groups of parasites (i.e. only monogeneans, or only digeneans). Clearly, the biodiversity of fish parasites of New Caledonia has not been studied seriously and there are very few records before the beginning of the 21st century.

Is the list representative of the biodiversity of fish parasites in New Caledonia?

The answer is clearly no. These lists can be used as preliminary checklists, but certainly cannot be used as an evaluation of the biodiversity of parasites of coral reef fishes. Lim (1998) and Whittington (1998) have evaluated the number of monogeneans per fish species as 3 and 5, respectively. With about 1,200 species of coral reef fishes, the number of monogeneans expected to be found off New Caledonia is 3,600–6,000, numbers which, when compared to the number of species reported here (44, or about 1% of the expected number!), show the incredible paucity of our knowledge. Recent results show that certain species of coral reef fishes may harbour up to 13 species of gill monogeneans (Fig. 1; Justine, 2007), and perhaps as many other species of parasites as well. Including all groups, we may expect 10,000–20,000 species of parasites in the fish off New Caledonia. Again, the number recorded here (130 for all groups) is close to 1% of the expected total number.

About host names

A major work on the New Caledonian parasite fauna was that of Durio & Manter (1968a,b, 1969). Unfortunately, many fishes from which Manter collected digeneans were not identified at the species level. I have tried, in this paper, to “translate” the common names used by Manter into binomial nomenclature; this is based on an evaluation of the knowledge of fish taxonomy by local fishermen, and an appreciation of the difficulty of identifying species. The “bec de cane”, known by everybody in New Caledonia, can safely be identified as *Lethrinus nebulosus*. The “anglais” is probably *Lutjanus bohar*. The “loche castex” is most probably a species of *Plectorhinchus* or *Diagramma pictum*. Manter used “leche”, a misprint for “loche” the common name of groupers in New Caledonia; there are about 40 species of epinephelins in New Caledonia, so “leche” is translated here as “Serranidae”. However, “loche bleue” can safely be identified as *Epinephelus cyanopodus*, because no other grouper is qualified as being “blue”; in contrast, the “red cod” could be any of the several species of *Epinephelus* or *Cephalopholis*. The host names, invalid or valid, are explained in full in the host-parasite section, but only a “probable translation” is retained in the parasite-host list. Host names have been updated using FishBase (Froese & Pauly, 2006).

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Parasite-host list

MONOGENEA MONOPISTHOCOTYLEA

(alphabetical order of families and species)

ANCYROCEPHALIDAE

***Aliatrema cribbi* Plaisance & Kritsky 2004**

Chaetodon auriga Plaisance & Kritsky 2004

Chaetodon vagabundus Plaisance & Kritsky 2004

Heniochus chrysostomus Plaisance & Kritsky 2004

***Euryhaliotrematoides annulicirrus* (Yamaguti, 1968) Plaisance & Kritsky 2004**

Chaetodon auriga Plaisance & Kritsky 2004

Chaetodon vagabundus Plaisance & Kritsky 2004

***Euryhaliotrematoides aspitis* Plaisance & Kritsky 2004**

Chaetodon vagabundus Plaisance & Kritsky 2004

***Euryhaliotrematoides grandis* (Mizelle & Kritsky, 1969) Plaisance & Kritsky 2004**

Chaetodon auriga Plaisance & Kritsky 2004

Chaetodon vagabundus Plaisance & Kritsky 2004

***Euryhaliotrematoides microphallus* (Yamaguti, 1968) Plaisance & Kritsky 2004**

Heniochus chrysostomus Plaisance & Kritsky 2004

***Euryhaliotrematoides pirulum* Plaisance & Kritsky 2004**

Chaetodon auriga Plaisance & Kritsky 2004

***Haliotrema aurigae* (Yamaguti, 1968) Plaisance, Bouamer & Morand, 2004**

Chaetodon auriga Plaisance *et al.* 2004

Chaetodon citrinellus Plaisance *et al.* 2004

Chaetodon vagabundus Plaisance *et al.* 2004

Heniochus chrysostomus Plaisance *et al.* 2004

***Haliotrema epinepheli* Young, 1969**

Epinephelus maculatus Justine, 2007

Variola albimarginata Justine, 2005b

Variola louti Justine, 2005b

***Haliotrema* sp.**

Epinephelus maculatus Justine, 2007

Tetrancistrum nebulosi

Siganus fuscescens Young, 1967

Siganus canaliculatus Young, 1967

Siganus sp. Young, 1967

CAPSALIDAE

Capsalidae, immature

Sphyraena sp. (recruiting larva) Cribb *et al.*, 2000

***Benedenia* cf. *epinepheli* (Yamaguti, 1937)**

Epinephelus fasciatus Justine, 2005a

***Benedenia* sp.**

Epinephelus howlandi Hinsinger & Justine, 2006b

Trochopodinae Gen. sp.

Plectropomus leopardus Justine & Euzet, 2006

DIPLECTANIDAE

***Echinoplectanum chauvetorum* Justine & Euzet, 2006**

Plectropomus laevis Justine & Euzet, 2006

***Echinoplectanum laeve* Justine & Euzet, 2006**

Plectropomus laevis Justine & Euzet, 2006

***Echinoplectanum leopardi* Justine & Euzet, 2006**

Plectropomus leopardus Justine & Euzet, 2006

***Echinoplectanum pudicum* Justine & Euzet, 2006**

Plectropomus leopardus Justine & Euzet, 2006

<i>Echinoplectanum rarum</i> Justine & Euzet, 2006	
<i>Plectropomus leopardus</i>	Justine & Euzet, 2006
<i>Laticola dae</i> Journo & Justine, 2006	
<i>Epinephelus maculatus</i>	Journo & Justine, 2006
<i>Pseudorhabdosynochus auitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus buitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus calathus</i> Hinsinger & Justine, 2006	
<i>Epinephelus rivulatus</i>	Hinsinger & Justine, 2006b
<i>Pseudorhabdosynochus caledonicus</i> Justine, 2005	
<i>Epinephelus fasciatus</i>	Justine, 2005a; Hinsinger & Justine, 2006b
<i>Pseudorhabdosynochus cuitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus cupatus</i> (Young, 1969) Kritsky & Beverley-Burton, 1986	
<i>Epinephelus fasciatus</i>	Justine, 2005a; Hinsinger & Justine, 2006b
<i>Pseudorhabdosynochus cyathus</i> Hinsinger & Justine, 2006	
<i>Epinephelus howlandi</i>	Hinsinger & Justine, 2006b
<i>Pseudorhabdosynochus duitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus euitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus fuitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus guitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus hirundineus</i> Justine, 2005	
<i>Variola louti</i>	Justine, 2005b
<i>Pseudorhabdosynochus melanesiensis</i> (Laird, 1958) Kritsky & Beverley-Burton, 1986	
<i>Epinephelus merra</i>	Justine, 2005a; Hinsinger & Justine, 2006b
<i>Pseudorhabdosynochus huitoe</i> Justine, 2007	
<i>Epinephelus maculatus</i>	Justine, 2007
<i>Pseudorhabdosynochus venus</i> Hinsinger & Justine, 2006	
<i>Epinephelus howlandi</i>	Hinsinger & Justine, 2006a
<i>Pseudorhabdosynochus</i> cf. <i>coioidesis</i> Bu, Leong, Wong, Woo & Foo, 1999	
<i>Epinephelus merra</i>	Hinsinger & Justine, 2006b
MONOCOTYLIDAE	
<i>Decacotyle octona</i> (Young, 1967) Chisholm & Whittington, 1998	
<i>Aetobatus</i> cf. <i>narinari</i>	Marie & Justine, 2005
<i>Decacotyle elpora</i> Marie & Justine, 2005	
<i>Aetobatus</i> cf. <i>narinari</i>	Marie & Justine, 2005
<i>Clemacotyle australis</i> Young, 1967	
<i>Aetobatus</i> cf. <i>narinari</i>	Marie & Justine, 2005
<i>Thaumatocotyle pseudodasybatis</i> Hargis, 1955	
<i>Aetobatus</i> cf. <i>narinari</i>	Marie & Justine, 2005, 2006
MONOGENEA POLYOPISTHOCOTYLEA	
(alphabetical order of species)	
<i>Allopseudaxine</i> sp.	
<i>Katsuwonus pelamis</i>	Rohde, Roubal & Hewitt, 1980
<i>Allopseudaxinoides vagans</i> (Ishii, 1936) Yamaguti, 1968	
<i>Katsuwonus pelamis</i>	Rohde, Roubal & Hewitt, 1980
<i>Neothoracocotyle acanthocybii</i> (Meserve, 1938) Hargis, 1956	
<i>Acanthocybium solandri</i>	Rohde, Roubal & Hewitt, 1980
<i>Polylabris sillaginae</i> (Woolcock, 1936) Dillon, Hargis & Harris, 1983	
<i>Sillago sihama</i>	Hayward, 1996

DIGenea

(alphabetical order of families and species)

ACANTHOCOLPIDAE

***Stephanostomum japonocatum* Durio & Manter, 1969**

Epinephelus sp. "Red Cod"

Durio & Manter, 1969

Serranidae "unidentified serranid"

Durio & Manter, 1969

***Stephanostomum casum* (Linton, 1910) McFarlane, 1934**

Lutjanus argentimaculatus

Durio & Manter, 1969

BIVESICULIDAE

***Bivesiculoides posterotestis* Durio & Manter, 1968**

Myctophidae "pretre" (? *Atherinomorus lacunosus* ?)

Durio & Manter, 1968a

BUCEPHALIDAE

***Myorhynchus pritchardae* Durio & Manter, 1968**

Serranidae ("leche"/ loche)

Durio & Manter, 1968a

***Neidhartia coronata* Durio & Manter, 1968**

Epinephelus sp.

Durio & Manter, 1968a

***Prosorhynchus freitasi* Nagaty, 1937**

Epinephelus sp.

Durio & Manter, 1968a

***Prosorhynchus longisaccatus* Durio & Manter, 1968**

Serranidae ("leche"/ loche)

Durio & Manter, 1968a

***Prosorhynchus serrani* Durio & Manter, 1968**

Variola louti

Durio & Manter, 1968a

***Rhipidocotyle* sp.**

Labroides bicolor

Jones, Grutter & Cribb, 2003

Labroides dimidiatus

Jones, Grutter & Cribb, 2003, 2004

CRYPTOGONIMIDAE

***Lobosorchis tibaldiae* Miller & Cribb, 2005**

Lutjanus fulviflamma

Miller & Cribb, 2005

***Paracryptogonimus catalae* Durio & Manter, 1969**

Lutjanus bohar ? ("anglais")

Durio & Manter, 1969

***Paracryptogonimus longitestis* Durio & Manter, 1969**

Lutjanus bohar ? ("anglais")

Durio & Manter, 1969

***Paracryptogonimus provitellosus* Durio & Manter, 1969**

Lutjanus fulvus

Durio & Manter, 1969

***Paracryptogonimus saccatus* Manter, 1963**

Siganus sp.

Durio & Manter, 1969

***Paracryptogonimus testitactus* Durio & Manter, 1969**

Lutjanus bohar ? ("anglais")

Durio & Manter, 1969

***Siphoderina paracatalae* Durio & Manter, 1969**

Lutjanus bohar ? ("anglais")

Durio & Manter, 1969

DIDYMOZOIDAE

Didymozoidae Larva sp. A

Apogon coccineus (recruiting larvae)

Cribb *et al.*, 2000

Bleniidae sp (recruiting larvae)

Cribb *et al.*, 2000

Pseudogramma sp. (recruiting larvae)

Cribb *et al.*, 2000

Scorpaenidae Gen. sp. (recruiting larvae)

Cribb *et al.*, 2000

Synodontidae Gen. sp. (recruiting larvae)

Cribb *et al.*, 2000

Didymozoidae Larva sp. B

Apogon coccineus (recruiting larvae)

Cribb *et al.*, 2000

Bothus pantherinus (recruiting larvae)

Cribb *et al.*, 2000

Didymozoidae Larva sp. C

Synodontidae Gen. sp. I (recruiting larvae)

Cribb *et al.*, 2000

Didymozoidae Larva sp. D

Labridae Gen. sp. (recruiting larvae)

Cribb *et al.*, 2000

Thalassoma sp. (recruiting larvae)

Cribb *et al.*, 2000

Didymozoidae Larva sp. E	
<i>Apogon coccineus</i> (recruiting larvae)	Cribb <i>et al.</i> , 2000
Didymozoidae Larva sp. F	
<i>Apogon coccineus</i> (recruiting larvae)	Cribb <i>et al.</i> , 2000
Larva sp. G	
Labridae Gen. sp. (recruiting larvae)	Cribb <i>et al.</i> , 2000
<i>Thalassoma</i> sp. (recruiting larvae)	Cribb <i>et al.</i> , 2000
FELLODISTOMATIDAE	
<i>Tergestia clonacantha</i> Manter, 1963	
<i>Hemiramphus</i> sp.	Durio & Manter, 1968a
GYLIAUCHENIDAE	
<i>Affecauda salacia</i> Hall & Cribb, 2004	
<i>Zebrasoma veliferum</i>	Hall & Cribb, 2004b
<i>Gyliauchen papillatus</i> (Goto & Matsudaira, 1918) Goto, 1919	
<i>Siganus</i> sp.	Durio & Manter, 1969
<i>Ptychogyliauchen thistilbardi</i> Hall & Cribb, 2004	
<i>Siganus argenteus</i>	Hall & Cribb, 2004a
<i>Siganus canaliculatus</i>	Hall & Cribb, 2004a
<i>Siganus corallinus</i>	Hall & Cribb, 2004a
<i>Siganus doliatus</i>	Hall & Cribb, 2004a
<i>Siganus spinus</i>	Hall & Cribb, 2004a
HAPLOPORIDAE	
<i>Atractotrema sigani</i> Durio & Manter, 1969	
<i>Siganus</i> sp.	Durio & Manter, 1969
<i>Hapladena tanyorchis</i> Manter & Pritchard, 1961	
<i>Naso</i> sp. "unicorn fish"	Durio & Manter, 1969
<i>Isorchis parvus</i> Durio & Manter, 1969	
<i>Chanos chanos</i>	Durio & Manter, 1969
HAPLOSPLANCHNIDAE	
<i>Hymenocotta mulli</i> Manter, 1961	
"Mullet" Mugilidae	Durio & Manter, 1968a
HEMIURIDAE	
<i>Dichadena obesa</i> (Manter, 1961) Manter, 1969	
<i>Strongylura leiura</i> ?	Manter, 1969
<i>Erilepturus tiegsi</i> Woolcock, 1935	
<i>Epinephelus</i> sp.	Manter, 1969
Serranidae "mottled grouper"	Manter, 1969
<i>Epinephelus cyanopodus</i> ? "loche bleue"	Manter, 1969
Hemiuridae (immature unidentifiable)	
Bleniidae sp (recruiting larvae)	Cribb <i>et al.</i> , 2000
<i>Ectenurus</i> sp.	
<i>Pseudogramma</i> sp. (recruiting larvae)	Cribb <i>et al.</i> , 2000
Synodontidae Gen. sp. 2 (recruiting larvae)	Cribb <i>et al.</i> , 2000
<i>Erilepturus</i> sp. immature	
Synodontidae Gen. sp. 1 (recruiting larvae)	Cribb <i>et al.</i> , 2000
<i>Hysterolecitha sigani</i> Manter, 1969	
<i>Siganus</i> sp.	Manter, 1969
<i>Hysterolecithoides frontilatus</i> (Manter, 1969) Yamaguti, 1971	
<i>Siganus doliatus</i>	Bray & Cribb, 2000a
<i>Lecithaster testilobatus</i> Manter, 1969	
<i>Scarus</i> (= <i>Callyodon</i>) sp.	Manter, 1969
<i>Lecithochirium magnaporum</i> Manter, 1940	
<i>Lethrinus niniatus</i>	Manter, 1969
<i>Epinephelus</i> sp.	Manter, 1969
<i>Lecithochirium polynemi</i> Chauhan, 1945	
<i>Lutjanus fulvus</i>	Manter, 1969

<i>Lecithocladium aegyptensis</i> Fischtal & Kuntz, 1963	
Scombridae "mackerel"	Manter, 1969
<i>Parahemiurus merus</i> (Linton, 1910)	
<i>Priacanthus hamrur</i>	Bray & Cribb, 2005
<i>Quadrifoliovarium pritchardae</i> Yamaguti, 1965	
<i>Naso</i> sp. "unicorn fish"	Manter, 1969
<i>Theletrum frontilatum</i> Manter, 1969	
<i>Siganus</i> sp.	Manter, 1969
LECITHASTERIDAE	
<i>Aponurus chelebesoi</i> Bray & Cribb, 2000	
<i>Chaetodon auriga</i>	Bray & Cribb, 2000b
<i>Chaetodon citrinellus</i>	Bray & Cribb, 2000b
<i>Chaetodon ephippium</i>	Bray & Cribb, 2000b
<i>Chaetodon flavirostris</i>	Bray & Cribb, 2000b
<i>Chaetodon lineolatus</i>	Bray & Cribb, 2000b
<i>Chaetodon melannotus</i>	Bray & Cribb, 2000b
<i>Chaetodon mertensii</i>	Bray & Cribb, 2000b
<i>Chaetodon pelewensis</i>	Bray & Cribb, 2000b
<i>Coradion altivelis</i>	Bray & Cribb, 2000b
<i>Forcipiger flavissimus</i>	Bray & Cribb, 2000b
<i>Heniochus acuminatus</i>	Bray & Cribb, 2000b
<i>Heniochus chrysostomus</i>	Bray & Cribb, 2000b
<i>Heniochus monoceros</i>	Bray & Cribb, 2000b
<i>Siganus doliatus</i>	Bray & Cribb, 2000b
LEPOCREADIIDAE	
<i>Holorchis plectorhynchi</i> Durio & Manter, 1968	
<i>Plectorhinchus goldmani</i>	Durio & Manter, 1968b
<i>Lethrinus miniatus</i>	Durio & Manter, 1968b
<i>Intusatrium robustum</i> Durio & Manter, 1968	
<i>Bodianus perditio</i>	Durio & Manter, 1968b
<i>Intusatrium secundum</i> Durio & Manter, 1968	
Scaridae? "Brown-blotched parrot fish"	Durio & Manter, 1968b
<i>Neolepidapedon dollfusi</i> Durio & Manter, 1968	
<i>Epinephelus</i> sp. "Red Cod"	Durio & Manter, 1968b
<i>Epinephelus</i> sp. "Spotted Grouper"	Durio & Manter, 1968b
<i>Lepidapedoides angustus</i> Bray, Cribb & Barker, 1996 (as <i>L. "kerapu"</i>)	
<i>Epinephelus merra</i>	Rigby <i>et al.</i> , 1997
MICROSCAPHIDIIDAE	
<i>Hexangium sigani</i> Goto & Ozaki, 1929	
<i>Siganus</i> sp.	Durio & Manter, 1968a
<i>Lutjanus fulvus</i>	Durio & Manter, 1968a
MONORCHIIDAE	
<i>Hysterorchis vitellus</i> Durio & Manter, 1968	
<i>Plectorhinchus</i> sp.	Durio & Manter, 1968a
<i>Lasiotocus longitestis</i> Durio & Manter, 1968	
<i>Plectorhinchus</i> sp. ("loche castex")	Durio & Manter, 1968a
OPECOELIDAE	
<i>Allopodocotyle serrani</i> (Yamaguti, 1952) Pritchard, 1966	
Serranidae ("leche"/loche)	Durio & Manter, 1968b
<i>Hamacreadium diacopae</i> Nagaty & Abdel Aal, 1962	
<i>Lethrinus nebulosus</i> ? ("bec de cane")	Durio & Manter, 1968b
<i>Hamacreadium mutabile</i> Linton, 1910	
<i>Lutjanus bohar</i> ? ("anglais")	Durio & Manter, 1968b
<i>Lutjanus amabilis</i>	Durio & Manter, 1968b
<i>Lethrinus miniatus</i>	Durio & Manter, 1968b

<i>Choanostoma secundum</i> Durio & Manter, 1968	
<i>Plectorhinchus</i> sp.	Durio & Manter, 1968b
<i>Lutjanus vitta</i>	Durio & Manter, 1968b
<i>Helicometra fasciata</i> (Rudolphi, 1819) Odhner, 1902	
<i>Epinephelus</i> sp. "Red Cod"	Durio & Manter, 1968b
<i>Epinephelus merra</i>	Rigby <i>et al.</i> , 1997
<i>Orthodena tropica</i> Durio & Manter, 1968	
<i>Lethrinus nebulosus</i> ? ("bec de cane")	Durio & Manter, 1968b
<i>Pacificreadium serrani</i> Durio & Manter, 1968	
<i>Epinephelus</i> sp.	Durio & Manter, 1968b
<i>Pseudoplagioporus interruptus</i> Durio & Manter, 1968	
<i>Lethrinus nebulosus</i> ? ("bec de cane")	Durio & Manter, 1968b
<i>Pseudoplagioporus lethrini</i> Yamaguti, 1938	
<i>Lethrinus nebulosus</i> ? ("bec de cane")	Durio & Manter, 1968b
SANGUINICOLIDAE	
<i>Cardicola chaetodontis</i> Yamaguti, 1970	
<i>Chaetodon lineolatus</i>	Nolan & Cribb, 2006
SYNCOELIIDAE	
<i>Syncoelium filiferum</i> (Sars, 1885) Odhner, 1911	
<i>Katsuwonus pelamis</i>	Rohde, Roubal & Hewitt, 1980
ZOOGONIDAE	
<i>Diphtherostomum tropicum</i> Durio & Manter, 1968	
<i>Lethrinus nebulosus</i> ?	Durio & Manter, 1968a
CESTODA	
ACANTHOBOTHRIDAE	
<i>Acanthobothrium aetiobatis</i>	
<i>Aetobatus narinari</i>	Baer & Euzet 1962
TENTACULARIIDAE	
<i>Nybelinia aequidentata</i>	
<i>Dendrochirus zebra</i>	Palm & Beveridge, 2002
<i>Scolex polymorphus</i> (= tetracyllidean metacestodes)	
<i>Epinephelus merra</i>	Rigby <i>et al.</i> , 1997
Trypanorhyncha larvae	
<i>Epinephelus merra</i>	Rigby <i>et al.</i> , 1997
Metacestode	
Synodontidae Gen. sp. 3 (recruiting larvae)	Cribb <i>et al.</i> , 2000
Tetracyllidea Metacestode	
<i>Thalassoma</i> sp. (recruiting larvae)	Cribb <i>et al.</i> , 2000
NEMATODA	
(alphabetical order of families and species)	
ANISAKIDAE	
<i>Raphidascaris (Ichtyiascaris) nemipteri</i> Moravec & Justine, 2005	
<i>Nemipterus furcosus</i>	Moravec & Justine, 2005
<i>Hysterothylacium cenaticum</i> (Bruce & Cannon, 1989) Moravec & Justine, 2005	
<i>Tetrapturus audax</i>	Moravec & Justine, 2005
<i>Terranova scoliodontis</i> (Baylis, 1931) Johnston & Mawson, 1945	
<i>Galeocerdo cuvier</i>	Moravec & Justine, 2006a
CAMALLANIDAE	
<i>Procamallanus (Procamallanus) pacificus</i> Moravec, Justine, Würtz, Taraschewski & Sasal, 2006	
<i>Anguilla obscura</i>	Moravec <i>et al.</i> , 2006
<i>Anguilla reinhardtii</i>	Moravec <i>et al.</i> , 2006

CUCULLANIDAE***Cucullanus bourdini* Petter & Le Bel, 1992***Aprion virescens*

Petter & Le Bel, 1992

Pristipomoides filamentosus

Petter & Le Bel, 1992

Pristipomoides flavipinnis

Petter & Le Bel, 1992

GNATHOSTOMATIDAE***Echinocephalus sinensis* Ko, 1975***Aetobatus narinari*

Moravec & Justine, 2006a

Echinocephalus overstreeti* Deardoff & Ko, 1983Taeniura meyeri*

Moravec & Justine, 2006a

PHILOMETRIDAE***Philometra ocularis* Moravec, Ogawa, Suzuki, Miyazaki & Donai, 2002***Epinephelus coioides*

Moravec & Justine, 2005

Epinephelus cyanopodus

Moravec & Justine, 2005

Epinephelus rivulatus

Moravec & Justine, 2005

Variola louti

Moravec & Justine, 2005

Philometra lateolabracis* (Yamaguti, 1935)Epinephelus cyanopodus*

Moravec & Justine, 2005

Epinephelus fasciatus

Moravec & Justine, 2005

TRICHOSOMOIDIDAE***Huffmanella branchialis* Justine, 2004***Nemipterus furcosus*

Justine, 2004

Huffmanella filamentosa* Justine, 2004Gymnocranius grandoculis*

Justine, 2004

Huffmanella lata* Justine, 2005Carcharhinus amblyrhynchos*

Justine, 2005c

Huffmanella ossicola* Justine, 2004Bodianus loxozonus*

Justine, 2004

Huffmanella* sp.Pentapodus* sp.

Justine, 2004

Host-parasite list**ELASMOBRANCHII**

(alphabetical order of families and species)

CARCHARHINIDAE***Carcharhinus amblyrhynchos* (Bleeker, 1856)**Nematoda *Huffmanella lata*

Justine, 2005c

***Galeocerdo cuvier* (Péron & Lesueur, 1822)**Nematoda *Terranova scoliodontis*

Moravec & Justine, 2006a

DASYATIDAE***Taeniura meyeri* Müller & Henle, 1841**Nematoda *Echinocephalus overstreeti*

Moravec & Justine, 2006a

MYLIOBATIDAE***Aetobatus narinari* (Euphrasen, 1790)**Cestoda *Acanthobothrium aetiobatis*

Baer & Euzet 1962

Monopisthocotylea *Decacotyle octona*

Marie & Justine, 2005

Monopisthocotylea *Decacotyle elpora*

Marie & Justine, 2005

Monopisthocotylea *Clemacotyle australis*

Marie & Justine, 2005

Monopisthocotylea *Thaumatocotyle pseudodasybatis*

Marie & Justine, 2005, 2006

Nematoda *Echinocephalus sinensis*

Moravec & Justine, 2006a

ACTINOPTERYGII

(alphabetical order of families and species)

ACANTHURIDAE

Naso sp. “unicorn fish”

Digenea *Hapladena tanyorchis* Durio & Manter, 1969
 Digenea *Quadrifoliovarium pritchardae* Manter, 1969

Zebrasoma veliferum (Bloch, 1795)

Digenea *Affecauda salacia* Hall & Cribb, 2004b

ANGUILLIDAE

Anguilla obscura Günther, 1872

Nematoda *Procamallanus (Procamallanus) pacificus* Moravec *et al.*, 2006

Anguilla reinhardtii Steindachner, 1867

Nematoda *Procamallanus (Procamallanus) pacificus* Moravec *et al.*, 2006

ANTENNARIIDAE

Antennariidae sp. (recruiting larvae)

Digenea Hemiuridae (immature unidentifiable) Cribb *et al.*, 2000

APOGONIDAE

Apogon angustatus (Smith & Radcliffe, 1911)? (recruiting larvae)

Digenea Didymozoidae larva B Cribb *et al.*, 2000

Apogon coccineus Rüppell, 1838 (recruiting larvae)

Digenea Didymozoidae larva A Cribb *et al.*, 2000

Digenea Didymozoidae larva B Cribb *et al.*, 2000

Digenea Didymozoidae larva E Cribb *et al.*, 2000

Digenea Didymozoidae larva F Cribb *et al.*, 2000

ATHERINIDAE

Myctophidae “pretre” (? *Atherinomorus lacunosus* (Forster, 1801)

Digenea *Bivesiculoides posterotestis* Durio & Manter, 1968a

BELONIDAE

Strongylura leiura (Bleeker, 1850) syn. of *Tylosurus leiurus* (Bleeker, 1850) ?

Digenea *Dichadena obesa* Manter, 1969

BLENIIDAE

Bleniidae Gen. sp. (recruiting larvae)

Digenea Didymozoidae larva A Cribb *et al.*, 2000

Digenea Hemiuridae (immature unidentifiable) Cribb *et al.*, 2000

Petroscirtes sp. (recruiting larvae)

Digenea Hemiuridae (immature unidentifiable) Cribb *et al.*, 2000

Digenea *Lecithaster* sp. adult Cribb *et al.*, 2000

BOTHIDAE

Bothus pantherinus (Rüppell, 1830) (recruiting larvae)

Digenea Didymozoidae larva B Cribb *et al.*, 2000

CHAETODONTIDAE

Heniochus acuminatus (Linnaeus, 1758) “*Chaetodon acuminatus*”

Digenea *Aponurus chelebesoi* Bray & Cribb, 2000b

Chaetodon auriga Forsskål, 1775

Digenea *Aponurus chelebesoi* Bray & Cribb, 2000b

Monopisthocotylea *Haliotrema aurigae* Plaisance *et al.* 2004

Monopisthocotylea *Aliatrema cribbi* Plaisance & Kritsky 2004

Monopisthocotylea *Euryhaliotrematoides annulicirrus* Plaisance & Kritsky 2004

Monopisthocotylea *Euryhaliotrematoides grandis* Plaisance & Kritsky 2004

Monopisthocotylea *Euryhaliotrematoides pirulum* Plaisance & Kritsky 2004

Chaetodon citrinellus Cuvier, 1831

Digenea *Aponurus chelebesoi* Bray & Cribb, 2000b

Monopisthocotylea *Haliotrema aurigae* Plaisance *et al.* 2004

Monopisthocotylea *Euryhaliotrematoides grandis* Plaisance & Kritsky 2004

Chaetodon ephippium Cuvier, 1831

Digenea *Aponurus chelebesoi* Bray & Cribb, 2000b

<i>Chaetodon flavirostris</i> Günther, 1874	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
<i>Chaetodon lineolatus</i> Cuvier, 1831	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
Digenea <i>Cardicola chaetodontis</i>	Nolan & Cribb, 2006
<i>Chaetodon melannotus</i> Bloch & Schneider, 1801	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
<i>Chaetodon mertensii</i> Cuvier, 1831	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
<i>Chaetodon pelewensis</i> Kner, 1868	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
<i>Chaetodon vagabundus</i> Linnaeus, 1758	
Monopisthocotylea <i>Haliotrema aurigae</i>	Plaisance <i>et al.</i> 2004
Monopisthocotylea <i>Aliatrema cribbi</i>	Plaisance & Kritsky 2004
Monopisthocotylea <i>Euryhaliotrematoides aspitis</i>	Plaisance & Kritsky 2004
Monopisthocotylea <i>Euryhaliotrematoides grandis</i>	Plaisance & Kritsky 2004
Monopisthocotylea <i>Euryhaliotrematoides annulicirrus</i>	Plaisance & Kritsky 2004
<i>Coradion altivelis</i> McCulloch, 1916	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
<i>Forcipiger flavissimus</i> Jordan & McGregor, 1898	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
<i>Heniochus acuminatus</i> (Linnaeus, 1758)	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
<i>Heniochus chrysostomus</i> Cuvier, 1831	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
Monopisthocotylea <i>Haliotrema aurigae</i>	Plaisance <i>et al.</i> 2004
Monopisthocotylea <i>Aliatrema cribbi</i>	Plaisance & Kritsky 2004
Monopisthocotylea <i>Euryhaliotrematoides microphallus</i>	Plaisance & Kritsky 2004
<i>Heniochus monoceros</i> Cuvier, 1831	
Digenea <i>Aponurus chelebesoi</i>	Bray & Cribb, 2000b
CHANIDAE	
<i>Chanos chanos</i> (Forsskål, 1775)	
Digenea <i>Isorchis parvus</i>	Durio & Manter, 1969
HAEMULIDAE	
<i>Plectorhinchus</i> sp. (“loche castex”)	
Digenea <i>Lasiotocus longitestis</i>	Durio & Manter, 1968a
Digenea <i>Hysterorchis vitellosus</i>	Durio & Manter, 1968a
Digenea <i>Choanostoma secundum</i>	Durio & Manter, 1968b
<i>Plectorhinchus goldmani</i> (Bleeker, 1853)	
Digenea <i>Holorchis plectorhynchi</i>	Durio & Manter, 1968b
HEMIRAMPHIDAE	
<i>Hemiramphus</i> sp.	
Digenea <i>Tergestia clonacantha</i>	Durio & Manter, 1968a
ISTIOPHORIDAE	
<i>Tetrapturus audax</i> (Philippi, 1887)	
Nematoda <i>Hysterothylacium cenaticum</i>	Moravec & Justine, 2005
LABRIDAE	
<i>Bodianus perditio</i> (Quoy & Gaimard, 1834) as “<i>Lepidaplois perditio</i>”	
Digenea <i>Intusatrium robustum</i>	Durio & Manter, 1968b
<i>Bodianus loxozonus</i> (Snyder, 1908)	
Nematoda <i>Huffmanella ossicola</i>	Justine, 2004
<i>Labridae</i> sp. (recruiting larvae)	
Digenea Didymozoidae larva D	Cribb <i>et al.</i> , 2000
Digenea Didymozoidae larva G	Cribb <i>et al.</i> , 2000
<i>Labroides bicolor</i> Fowler & Bean, 1928	
Digenea <i>Rhipidocotyle</i> sp.	Jones, Grutter & Cribb, 2003
<i>Labroides dimidiatus</i> (Valenciennes, 1839)	
Digenea <i>Rhipidocotyle</i> sp.	Jones, Grutter & Cribb, 2003, 2004

<i>Thalassoma</i> sp. Labridae (recruiting larvae)	
Digenea <i>Didymozoidae</i> larva D	Cribb <i>et al.</i> , 2000
Digenea <i>Didymozoidae</i> larva G	Cribb <i>et al.</i> , 2000
Digenea <i>Tetraphyllidea</i> Metacestode	Cribb <i>et al.</i> , 2000
LETHRINIDAE	
<i>Gymnocranius grandoculis</i> (Valenciennes, 1830)	
Nematoda <i>Huffmanella filamentosa</i>	Justine, 2004
<i>Lethrinus miniatus</i> (Forster, 1801)	
Digenea <i>Hamacreadium mutabil</i>	Durio & Manter, 1968b
Digenea <i>Holorchis plectorhynchi</i>	Durio & Manter, 1968b
Digenea <i>Lecithochirium magnaporum</i>	Manter, 1969
<i>Lethrinus nebulosus</i> (Forsskål, 1775) ? (“bec de cane”)	
Digenea <i>Diphtherostomum tropicum</i>	Durio & Manter, 1968a
Digenea <i>Hamacreadium diacopae</i>	Durio & Manter, 1968b
Digenea <i>Orthodena tropica</i>	Durio & Manter, 1968b
Digenea <i>Pseudoplagioporus lethrini</i>	Durio & Manter, 1968b
Digenea <i>Pseudoplagioporus interruptus</i>	Durio & Manter, 1968b
LUTJANIDAE	
<i>Aprion virescens</i> Valenciennes, 1830	
Nematoda <i>Cucullanus bourdini</i>	Petter & Le Bel, 1992
<i>Lutjanus amabilis</i>	
Digenea <i>Hamacreadium mutabile</i>	Durio & Manter, 1968b
<i>Lutjanus argentimaculatus</i> (Forsskål, 1775)	
Digenea <i>Stephanostomum casum</i>	Durio & Manter, 1969
<i>Lutjanus bohar</i> (Forsskål, 1775) ? (“anglais”)	
Digenea <i>Hamacreadium mutabile</i>	Durio & Manter, 1968b
Digenea <i>Paracryptogonimus longitestis</i>	Durio & Manter, 1969
Digenea <i>Paracryptogonimus catalae</i>	Durio & Manter, 1969
Digenea <i>Paracryptogonimus testitactus</i>	Durio & Manter, 1969
Digenea <i>Siphoderina paracatalae</i>	Durio & Manter, 1969
<i>Lutjanus fulviflamma</i> (Forsskål, 1775)	
Digenea <i>Lobosorchis tibaldiae</i>	Miller & Cribb, 2005
<i>Lutjanus fulvus</i> (Forster, 1801) (as <i>Lutjanus vaiigiensis</i>, junior synonym)	
Digenea <i>Hexangium sigani</i>	Durio & Manter, 1968a
Digenea <i>Paracryptogonimus provitellosus</i>	Durio & Manter, 1969
Digenea <i>Lecithochirium polynemi</i>	Manter, 1969
<i>Lutjanus vitta</i> (Quoy & Gaimard, 1824)	
Digenea <i>Choanostoma secundum</i>	Durio & Manter, 1968b
<i>Pristipomoides filamentosus</i> (Valenciennes, 1830)	
Nematoda <i>Cucullanus bourdini</i>	Petter & Le Bel, 1992
<i>Pristipomoides flavipinnis</i> Shinohara, 1963	
Nematoda <i>Cucullanus bourdini</i>	Petter & Le Bel, 1992
MUGILIDAE	
Mugilidae	
Digenea <i>Hymenocotta nulli</i>	Durio & Manter, 1968a
NEMIPTERIDAE	
<i>Nemipterus furcosus</i> (Valenciennes, 1830)	
Nematoda <i>Huffmanella branchialis</i>	Justine, 2004
Nematoda <i>Raphidascaaris (Ichtyiascaaris) nemipteri</i>	Moravec & Justine, 2005
<i>Pentapodus</i> sp.	
Nematoda <i>Huffmanella</i> sp.	Justine, 2004
PRIACANTHIDAE	
<i>Priacanthus hamrur</i> (Forsskål, 1775)	
Digenea <i>Parahemiurus merus</i>	Bray & Cribb, 2005
SCARIDAE	
Scaridae? “Brown-blotched parrot fish”	
Digenea <i>Intusatrium secundum</i>	Durio & Manter, 1968b
<i>Scarus</i> (= <i>Callyodon</i>) sp.	
Digenea <i>Lecithaster testilobatus</i>	Manter, 1969

SCOMBRIDAE

***Acanthocybium solandri* (Cuvier, 1832)**

Polyopisthocotylea *Neothoracocotyle acanthocybii*

Rohde, Roubal & Hewitt, 1980

***Katsuwonus pelamis* (Linnaeus, 1758)**

Polyopisthocotylea *Allospseudaxine* sp.

Rohde, Roubal & Hewitt, 1980

Polyopisthocotylea *Allospseudaxinoides vagans*

Rohde, Roubal & Hewitt, 1980

Digenea *Syncoelium filiferum*

Rohde, Roubal & Hewitt, 1980

Scombridae “mackerel”

Digenea *Lecithocladium aegyptensis*

Manter, 1969

SCORPAENIDAE

***Dendrochirus zebra* (Cuvier, 1829)**

Cestoda *Nybelinia aequidentata*

Palm & Beveridge, 2002

Scorpaenidae Gen. sp. (recruiting larvae)

Digenea Didymozoidae larva A

Cribb *et al.*, 2000

SERRANIDAE

***Epinephelus coioides* (Hamilton, 1822)**

Nematoda *Philometra ocularis*

Moravec & Justine, 2005

***Epinephelus cyanopodus* (Richardson, 1846)**

Nematoda *Philometra ocularis*

Moravec & Justine, 2005

Nematoda *Philometra lateolabracis*

Moravec & Justine, 2005

***Epinephelus cyanopodus* (Richardson, 1846) ? “loche bleue”**

Digenea *Erilepturus tiegsi*

Manter, 1969

***Epinephelus fasciatus* (Forsskål, 1775)**

Monopisthocotylea *Pseudorhabdosynochus cupatus*

Justine, 2005a, Hinsinger & Justine, 2006b

Monopisthocotylea *Pseudorhabdosynochus caledonicus*

Justine, 2005a, Hinsinger & Justine, 2006b

Monopisthocotylea *Benedenia* cf. *epinepheli*

Justine, 2005a

Nematoda *Philometra lateolabracis*

Moravec & Justine, 2005

***Epinephelus howlandi* (Günther, 1873)**

Monopisthocotylea *Pseudorhabdosynochus venus*

Hinsinger & Justine, 2006a

Monopisthocotylea *Pseudorhabdosynochus cyathus*

Hinsinger & Justine, 2006b

Monopisthocotylea *Benedenia* sp.

Hinsinger & Justine, 2006b

***Epinephelus maculatus* (Bloch, 1790)**

Monopisthocotylea *Laticola dae*

Journo & Justine, 2006

Monopisthocotylea *Pseudorhabdosynochus auitoe*

Justine, 2007

Monopisthocotylea *Pseudorhabdosynochus buitoe*

Justine, 2007

Monopisthocotylea *Pseudorhabdosynochus cuitoe*

Justine, 2007

Monopisthocotylea *Pseudorhabdosynochus duitoe*

Justine, 2007

Monopisthocotylea *Pseudorhabdosynochus euitoe*

Justine, 2007

Monopisthocotylea *Pseudorhabdosynochus fuitoe*

Justine, 2007

Monopisthocotylea *Pseudorhabdosynochus guitoe*

Justine, 2007

Monopisthocotylea *Pseudorhabdosynochus huitoe*

Justine, 2007

Monopisthocotylea *Haliotrema epinepheli*

Justine, 2007

Monopisthocotylea *Haliotrema* sp.

Justine, 2007

***Epinephelus merra* Bloch, 1793**

Digenea *Helicometra fasciata*

Rigby *et al.*, 1997

Digenea *Lepidapedoides angustus*

Rigby *et al.*, 1997

Cestoda *Scolex polymorphus*

Rigby *et al.*, 1997

Cestoda Trypanorhyncha larvae

Rigby *et al.*, 1997

Monopisthocotylea *Pseudorhabdosynochus melanesiensis*

Justine, 2005a, Hinsinger & Justine, 2006b

Monopisthocotylea *Pseudorhabdosynochus* cf. *coioidesis*

Hinsinger & Justine, 2006b

***Epinephelus rivulatus* (Valenciennes, 1830)**

Monopisthocotylea *Pseudorhabdosynochus calathus*

Hinsinger & Justine, 2006b

Nematoda *Philometra ocularis*

Moravec & Justine, 2005

***Epinephelus* sp.**

Digenea *Neidhartia coronata*

Durio & Manter, 1968a

Digenea *Prosorhynchus freitasi*

Durio & Manter, 1968a

Digenea *Pacificreadium serrani*

Durio & Manter, 1968b

Digenea *Lecithochirium magnaporum*

Manter, 1969

Digenea *Erilepturus tiegsi*

Manter, 1969

<i>Epinephelus</i> sp. “Red Cod”	
Digenea <i>Helicometra fasciata</i>	Durio & Manter, 1968b
Digenea <i>Neolepidapedon dollfusi</i>	Durio & Manter, 1968b
Digenea <i>Stephanostomum japonocasum</i>	Durio & Manter, 1969
<i>Epinephelus</i> sp. “Spotted Grouper”	
Digenea <i>Neolepidapedon dollfusi</i>	Durio & Manter, 1968b
<i>Plectropomus laevis</i> (Lacépède, 1801)	
Monopisthocotylea <i>Echinoplectanum chauvetorum</i>	Justine & Euzet, 2006
Monopisthocotylea <i>Echinoplectanum laeve</i>	Justine & Euzet, 2006
<i>Plectropomus leopardus</i> (Lacépède, 1802)	
Monopisthocotylea <i>Echinoplectanum leopardi</i>	Justine & Euzet, 2006
Monopisthocotylea <i>Echinoplectanum pudicum</i>	Justine & Euzet, 2006
Monopisthocotylea <i>Echinoplectanum rarum</i>	Justine & Euzet, 2006
<i>Pseudogramma</i> sp. (recruiting larvae)	
Digenea Didymozoidae larva A	Cribb <i>et al.</i> , 2000
Digenea Hemiridae <i>Ectenurus</i> sp. adult	Cribb <i>et al.</i> , 2000
Serranidae (“leche”/ loche) several species?	
Digenea <i>Myorhynchus pritchardae</i>	Durio & Manter, 1968a
Digenea <i>Proisorhynchus longisaccatus</i>	Durio & Manter, 1968a
Digenea <i>Allopodocotyle serrani</i>	Durio & Manter, 1968b
Serranidae “unidentified serranid”	
Digenea <i>Stephanostomum japonocasum</i>	Durio & Manter, 1969
Serranidae “mottled grouper”	
Digenea <i>Erilepturus tiegsi</i>	Manter, 1969
<i>Variola albimarginata</i> Baissac, 1953	
Monopisthocotylea <i>Haliotrema epinepheli</i>	Justine, 2005b
<i>Variola louti</i> (Forsskål, 1775)	
Digenea <i>Proisorhynchus serrani</i>	Durio & Manter, 1968a
Monopisthocotylea <i>Pseudorhabdosynochus hirundineus</i>	Justine, 2005b
Monopisthocotylea <i>Haliotrema epinepheli</i>	Justine, 2005b
Nematoda <i>Philometra ocularis</i>	Moravec & Justine, 2005
SIGANIDAE	
<i>Siganus argenteus</i> (Quoy & Gaimard, 1825)	
Digenea <i>Ptychogyliauchen thistilbardi</i>	Hall & Cribb, 2004a
<i>Siganus canaliculatus</i> (Park, 1797)	
Digenea <i>Ptychogyliauchen thistilbardi</i>	Hall & Cribb, 2004a
<i>Siganus corallinus</i> (Valenciennes, 1835)	
Digenea <i>Ptychogyliauchen thistilbardi</i>	Hall & Cribb, 2004a
<i>Siganus doliatus</i> Guérin-Méneville, 1829-38	
Digenea <i>Hysterolecithoides frontilatus</i>	Bray & Cribb, 2000a
Digenea <i>Ptychogyliauchen thistilbardi</i>	Hall & Cribb, 2004a
<i>Siganus fuscescens</i> (Houttuyn, 1782) as <i>Siganus nebulosus</i>	
Monopisthocotylea <i>Tetrancistrum nebulosi</i>	Young, 1967
<i>Siganus canaliculatus</i> (Park, 1797) as <i>Siganus oramin</i>	
Monopisthocotylea <i>Tetrancistrum nebulosi</i>	Young, 1967
<i>Siganus spinus</i> (Linnaeus, 1758)	
Digenea <i>Ptychogyliauchen thistilbardi</i>	Hall & Cribb, 2004a
<i>Siganus</i> sp.	
Monopisthocotylea <i>Tetrancistrum nebulosi</i>	Young, 1967
Digenea <i>Hexangium sigani</i>	Durio & Manter, 1968a
Digenea <i>Atractotrema sigani</i>	Durio & Manter, 1969
Digenea <i>Gyliauchen papillatus</i>	Durio & Manter, 1969
Digenea <i>Paracryptogonimus saccatus</i>	Durio & Manter, 1969
Digenea <i>Hysterolecitha sigani</i>	Manter, 1969
Digenea <i>Theletrum frontilatum</i>	Manter, 1969
SILLAGINIDAE	
<i>Sillago sihama</i> (Forsskål, 1775)	
Polyopisthocotylea <i>Polylabris sillaginae</i>	Hayward, 1996

SPHYRAENIDAE

Sphyraena sp. (recruiting larvae)

Monopisthocotylea Capsalidae larva

Cribb *et al.*, 2000

SYNODONTIDAE

Synodontidae Gen. sp. (recruiting larvae)

Digenea Didymozoidae larva A

Cribb *et al.*, 2000

Synodontidae Gen. sp. 1 (recruiting larvae)

Digenea Didymozoidae larva C

Cribb *et al.*, 2000

Digenea *Erilepturus* sp. immature

Cribb *et al.*, 2000

Synodontidae Gen. sp. 2 (recruiting larvae)

Digenea *Ectenurus* sp. immature

Cribb *et al.*, 2000

Synodontidae Gen. sp. 3 (recruiting larvae)

Cestoda metacestode

Cribb *et al.*, 2000

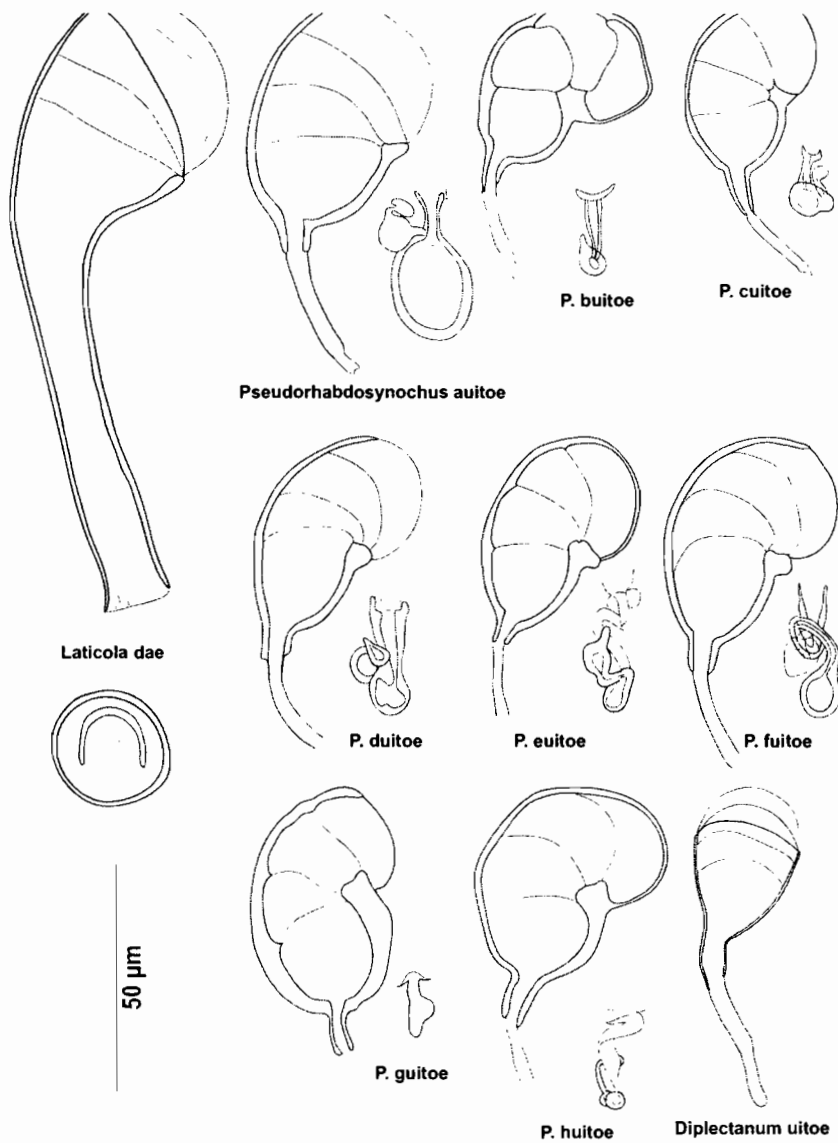


Figure 1. Parasite biodiversity: characteristics of the ten species of diplotanid monogenean present on the gill of a single fish, *Epinephelus maculatus*. Redrawn from Journo & Justine, 2006 and Justine, 2006.

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