FIELD GUIDE ON REEF ASSOCIATED FISHES OF INDIA



Central Marine Fisheries Research Institute
(Indian Council of Agricultural Research)
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FOREWORD



Fishes are an important coral reef resource, particularly to the developing world. The estimated fisheries potential of the coral reefs worldwide is much greater than the actual yield. While the contribution of the coral reef fisheries to the total catch may be low, they are of great importance to the livelihoods of artisanal fishermen.

The world ornamental fish trade is worth about 4.5 billion US$ and India's contribution is about 0.5 million US$. Among the ornamental fish species, the marine ornamental fish constitute only about 10-15% of the market. About 95% of marine fish are collected from the wild, while the rest are hatchery reared fish. The contribution of cultured fish to the trade is on the increase during the last few years due to advances made in the hatchery and grow out technology of many ornamental varieties. Ornamental fishes are also much in demand for broodstock in hatcheries. The increased demand both in the local marine aquarium market and international trade has resulted in

an increase in their exploitation. For detailed studies on the biology, trade and marketing of fishes, correct identification of the organism is important.

The Central Marine Fisheries Research Institute is the largest fisheries institute in India with a mandate to conduct capture, culture and biodiversity research. Study of the coral ecosystem and its inhabitants will unlock the secrets of the biodiverse flora and fauna of our deep and coastal waters.

The Field Guide to Reef Associated Fishes of India is a comprehensive and quick identification guide to the ornamental and commercial reef associated fishes of Indian waters. Field identification of reef fish involves certain easily discernable characteristics in the external morphology of the fish. Easy identification of the fishes landed at different harbours and photographed by divers would elicit interest among sport divers, researchers and students in the taxonomy of these fishes. I congratulate and compliment the effort taken by the team in bringing out this field book.

(A.Gopalakrishnan)
Director

Kochi

PREFACE

With India being a party to the CBD, the importance of accounting for the marine diversity of India is a priority. Biological diversity is defined as "variability among living organisms from all sources including, *interalia*, terrestrial, marine and other aquatic systems and ecological complexes of which they are a part, this includes diversity within species, between species and of communities" (Norse et al. 1986). Though only 15 percent of the recorded species inhabit the sea, 32 out of 33 phyla are in the sea. Around 20,000 species of fishes are known to inhabit different trophic levels in the sea and the presence of certain species like corals provide ecological niches for several other fishes. All major coral reef areas in India, including the Gulf of Mannar, Lakshadweep, Andaman and Nicobar Islands, and the Gulf of Kutch experience anthropogenic pressure. Except for some of the Andaman and Nicobar Islands, no pristine coral reefs exist today in India. Resources are being exploited at a rapid rate from all our reefs; export of fishes is going on a rapid scale, sometimes clandestinely. Moreover reef associated organisms have to be correctly identified to be accounted.

This Field Guide on the Reef Associated Fishes of India is a step towards easy and quick identification of fish. The fishes described here were collected during the umpteen visits to the many small and big harbours all along the southern coastline of India. Besides, underwater surveys were conducted both at Lakshadweep and Andaman islands. Identification was done using standard textbooks and later confirmed with experts.

The photos of fishes provided in this book are photograhed by the team under the project "Bioinventorisation of coral fishes of South India with special reference to threats and conservation measures'' funded by the Ministry of Environment and Forests during 2009-13. Over 372 fishes in 66 families have been recorded in this work.

The team wishes to place on record the constant encouragement and support of Dr. A. Gopalakrishnan, Director, Central Marine Fisheries Research Institute, Dr. G. Syda Rao, Former Director, CMFRI, Dr. P.U Zacharia, Dr. T.V. Sathianandan, Heads, Demersal Fisheries and Fisheries Resource Assessment Divisions, Dr. E. Vivekanandan, Former Head, Demersal Fisheries Division, Dr. J.R Bhatt, Advisor, MOEF, Dr. G. Gopakumar, Scientist-in-Charges, Regional and Research Centres of CMFRI, for their continuous support and guidance at various stages of work. The support and help rendered by many fishermen across the country is acknowledged here.

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INTRODUCTION

The greatest abundance of marine fish species is in tropical waters. Part of this great biodiversity is associated with the coral reefs that provide habitat for the fishes and their prey. Generally, coral reefs are restricted to depths above 50 m in clear waters. One of the most colourful and diverse groups of animals in the sea is the coral reef fishes. Bellwood (1996) established a consensus list of fish families as a working definition of a reef fish assemblage - fish families that would be found on any living coral reef, irrespective of its biogeographic location. Their life histories are very closely associated with the reef or rocky substrate for the purpose of feeding, shelter, reproduction and growth. Majority of their lifetime is spent in these areas; some are visitors or are transients to the area on the lookout for food or prey.

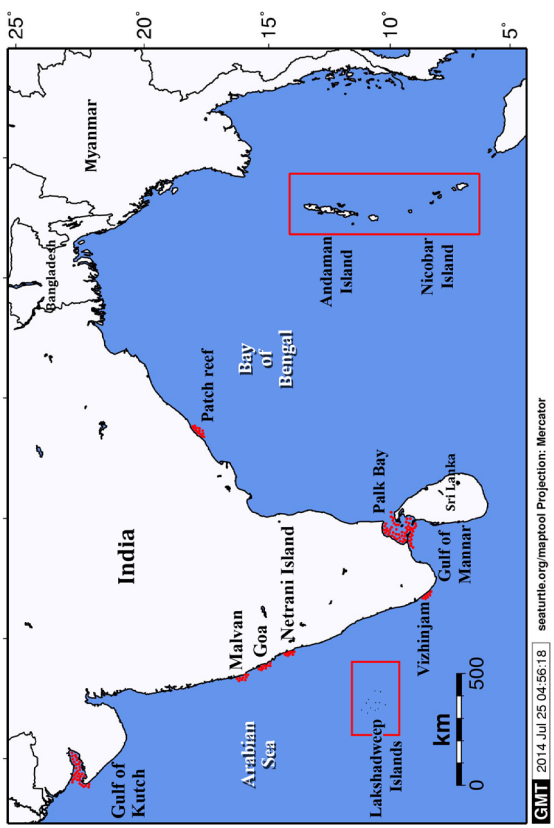
Global biodiversity is being lost at an unprecedented rate as a result of human activities, and decisions must be taken now to combat this trend. Unfortunately, taxonomic knowledge is far from complete. In the past 250 years of research, taxonomists have named about 1.78 million species of animals, plants and micro-organisms, yet the total number of species is unknown and probably between 5 and 30 million. Despite the paramount importance of species identification to research concerning

fish biology and the development of fisheries management and species conservation advice, one of the major problems facing fisheries workers in Indian region concerns accurate identification of fish. With the rapid strides in biotechnology, attention in research is being diverted to advanced research and basic research is losing grip. Classical taxonomy was sidelined for molecular taxonomy; this resulted in many errors in fish identification.

Indian subcontinent has a coastline extending over 8,000 km with a subtropical climatic condition. There are few coral and rocky reef areas around India compared to other regions of the world. In India, reef patches and rocky patches are distributed along the east and west coasts at restricted places. The Andaman group comprises more than 325 islands and rocky outcrops, situated in Bay of Bengal with Andaman Sea on its eastern side with an overall land area of 6496 km. The Laccadives consist of a group of coral islands lying between Long. 71° 40′ and 74° E and Lat. 8° and 12°N in the Arabian Sea with ten inhabited islands in all. Gulf of Mannar is rich with coral reefs, seagrass beds and mangroves. There are 21 islands which extend between 8° 47′ N Lat. 78°12′ E Long. and 9° 15′ N Lat. –79° 14′ E. These coralline and reefy areas are rich in fauna and flora; but documentation is not complete since the major drawback is collection and easy identification without harming the ecosystem.

This field guide will be an asset for quick and easy identification of the diverse fishes from our varied habitats.

DISTRIBUTION OF CORAL REEFS ALONG THE INDIAN COAST



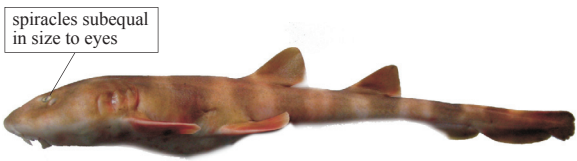
CLASS ELASMOBRANCHII
ORDER ORECETOLOBIFORMES
FAMILY STEGOSTOMATIDAE

Stegostoma fasciatum

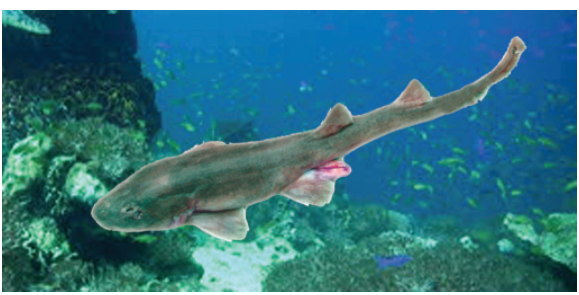


FAMILY HEMISCYLLIIDAE

Chiloscyllium griseum



Chiloscyllium punctatum



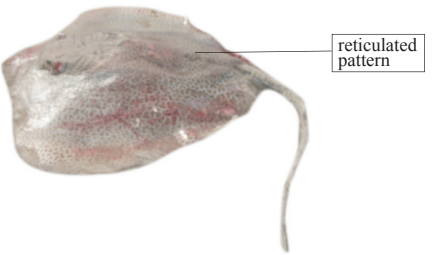
ORDER CARCHARHINIFORMES
FAMILY CARCHARHINIDAE

Carcharhinus melanopterus



ORDER MYLIOBATIFORMES
FAMILY DASYATIDAE

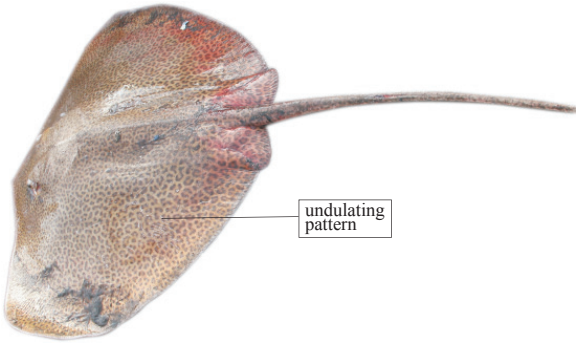
Himantura uarnak



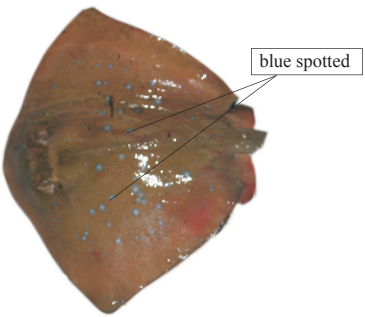
Himantura gerrardi



Himantura undulata



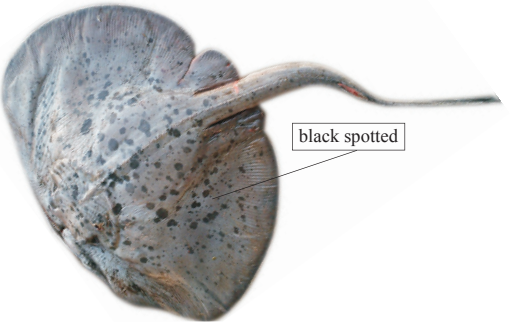
Neotrygon kuhlii



Pastinachus sephen

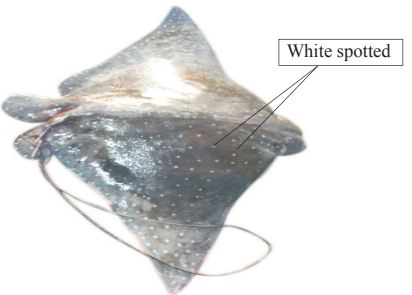


Taeniura meyeni



FAMILY MYLIOBATIDAE

Aetobatus narinari



Aetobatus flagellum



Aetomylaeus nichofii



ORDER RAJIFORMES
FAMILY RHINOBATIDAE

Rhina ancylostoma



CLASS ACTINOPTERYGII
ORDER ANGUILLIFORMES
FAMILY MURAENIDAE

Gymnothorax reticularis



Gymnothorax flavimarginatus



Strophidon satheta



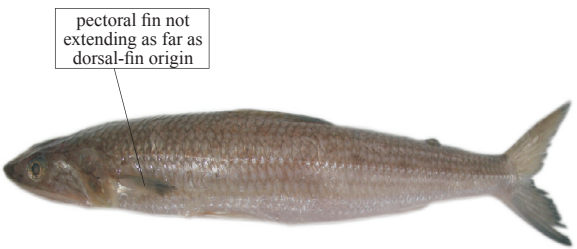
ORDER SILURIFORMES
FAMILY PLOTOSIDAE

Plotosus lineatus



ORDER AULOPIFORMES
FAMILY SYNODONTIDAE

Saurida tumbil



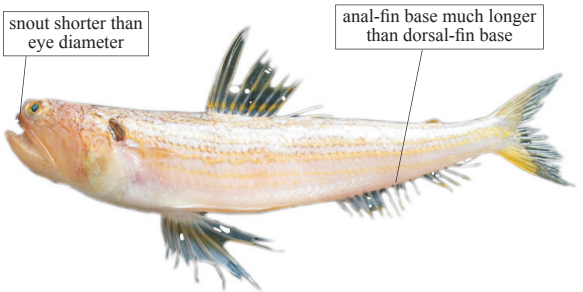
Saurida undosquamis



Synodus variegatus

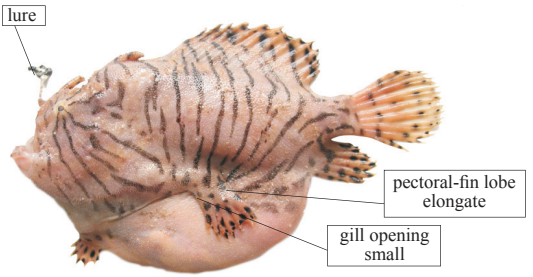


Trachinocephalus myops

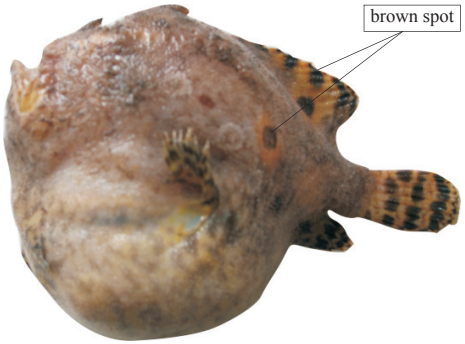


ORDER LOPHIFORMES
FAMILY ANTENNARIIDAE

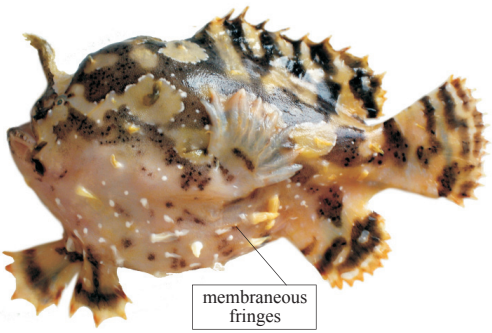
Antennarius striatus



Antennarius pictus



Histrio histrio



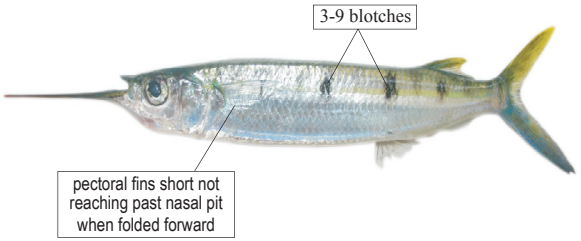
ORDER ATHERINIFORMES
FAMILY ATHERINIDAE

Atherinomorus duodecimalis



FAMILY HEMIRAMPHIDAE

Hemiramphus far



Hyporhamphus dussumieri



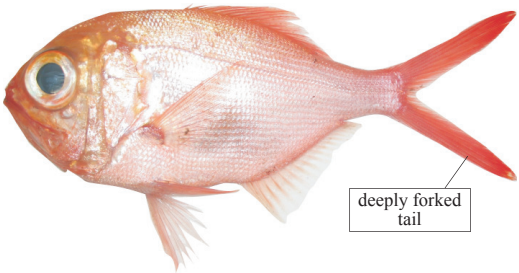
FAMILY BELONIDAE

Tylosurus crocodilus

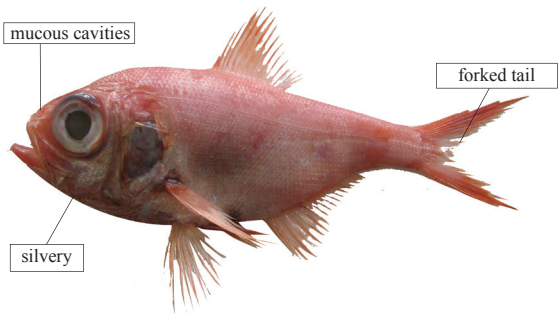


ORDER BERYCIFORMES
FAMILY BERYCIDAE

Centroberyx rubricaudus

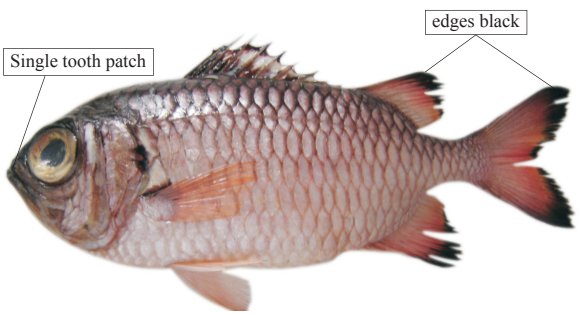


Beryx splendens



FAMILY HOLOCENTRIDAE

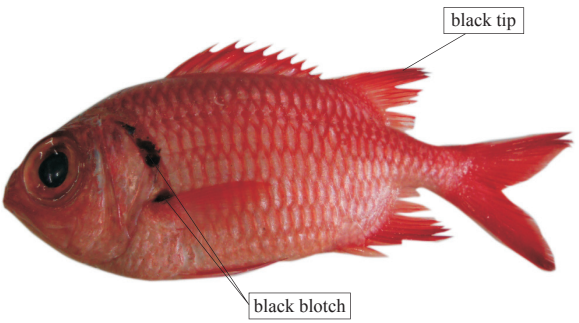
Myripristis adusta



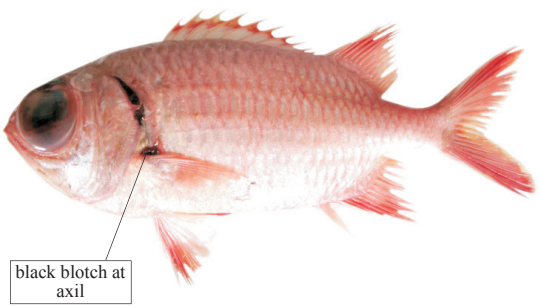
Myripristis botche



Myripristis formosa



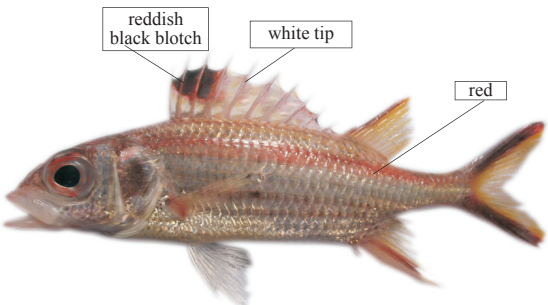
Myripristis greenfieldi



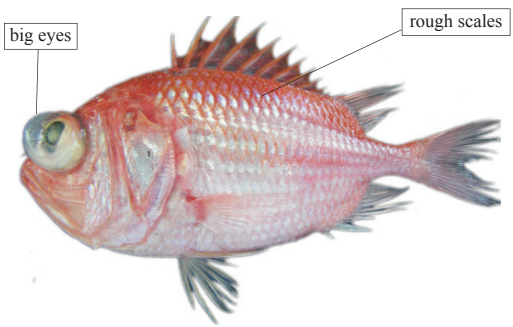
Myripristis seychellensis



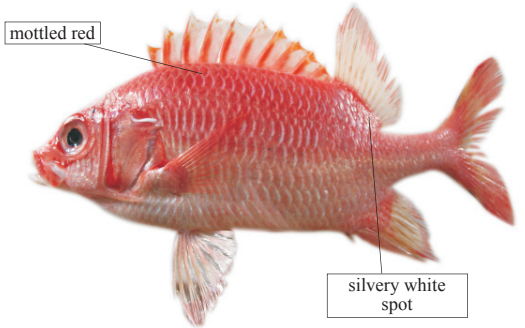
Neoniphon sammara



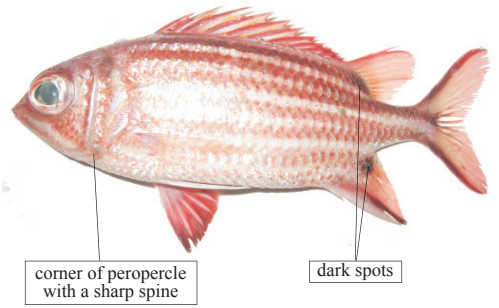
Ostichthys acanthorhinus



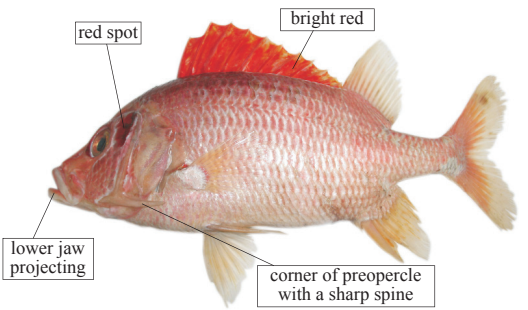
Sargocentron caudimaculatum



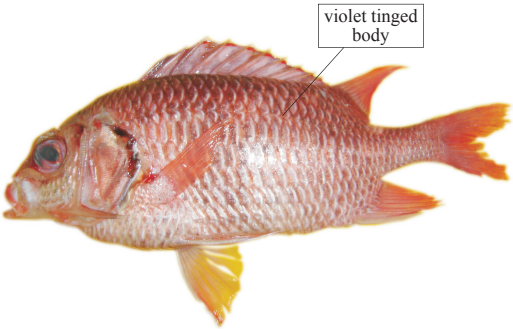
Sargocentron rubrum



Sargocentron spiniferum

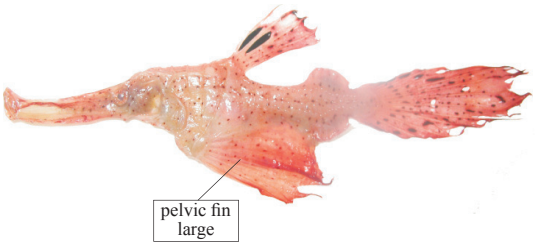


Sargocentron violaceum



ORDER SYNGNATHIFORMES
FAMILY SOLENOSTOMIDAE

Solenostomus cyanopterus



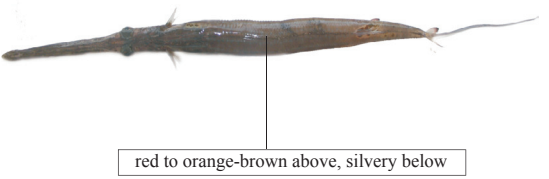
FAMILY SYNGNATHIDAE

Corythoichthys flavofasciatus

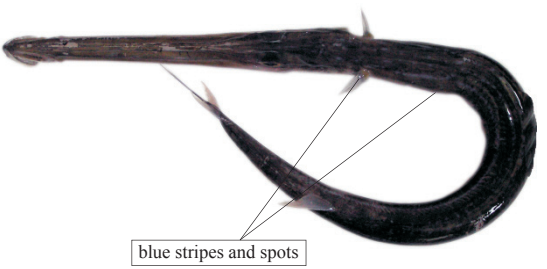


FAMILY FISTULARIDAE

Fistularia petimba

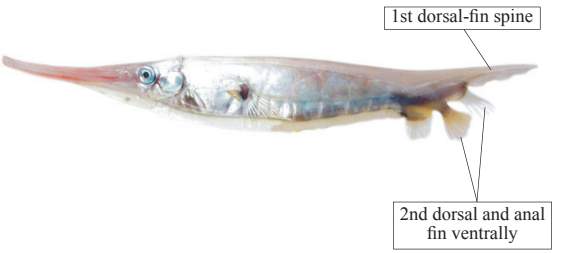


Fistularia commersonii



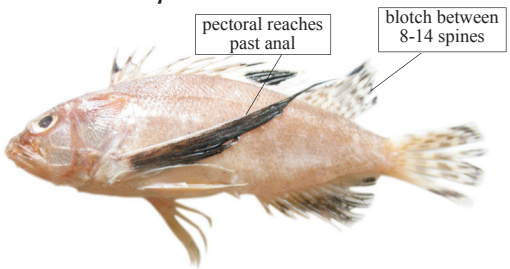
FAMILY CENTRISCIDAE

Centriscus scutatus



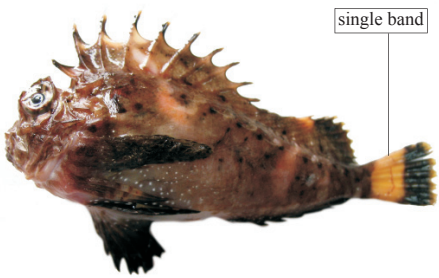
ORDER SCORPAENIFORMES
FAMILY APISTIDAE

Apistus carinatus

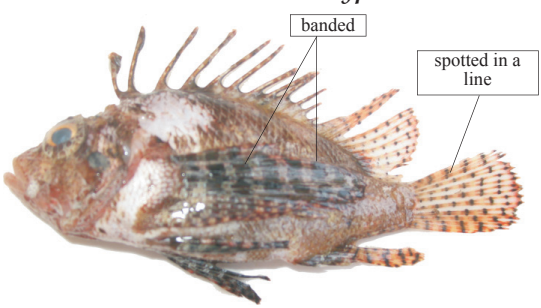


FAMILY SCORPAENIDAE

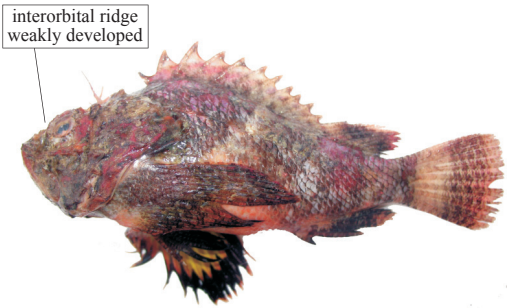
Choridactylus multibarbus



Dendrochirus brachypterus



Parascorpaena picta



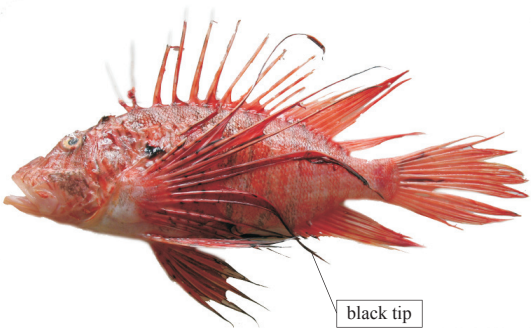
Pontinus macrocephalus



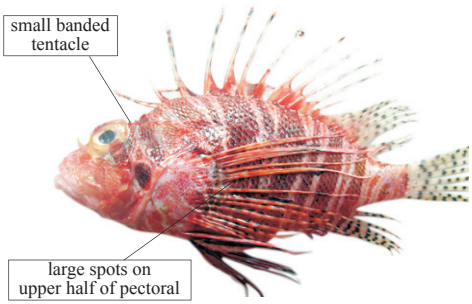
Pontinus nigerimum



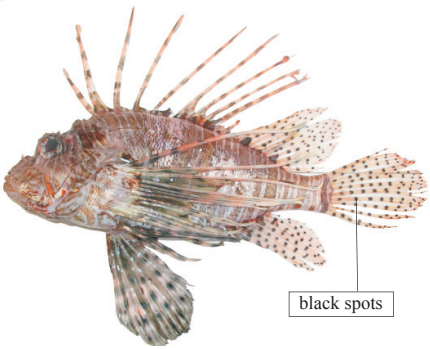
Pterois lunulata



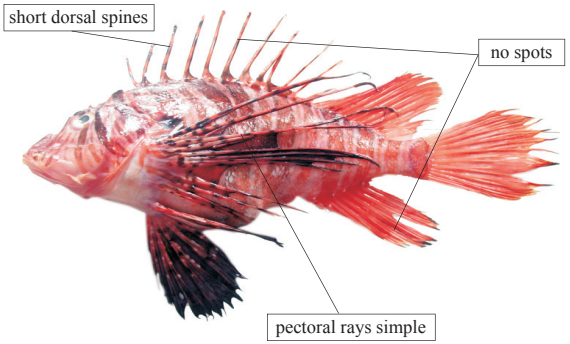
Pterois mombasae



Pterois miles

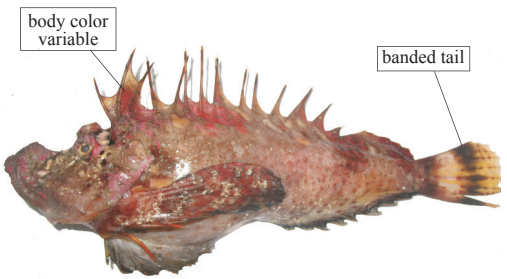


Pterois russelli

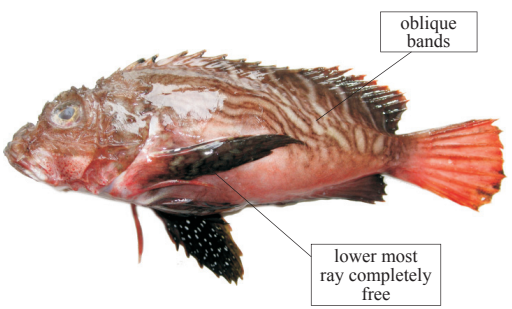


FAMILY SYNANCEIIDAE

Inimicus didactylus



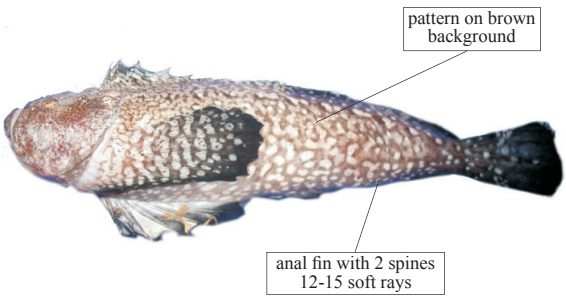
Minous dempsterae



Minous monodactylus

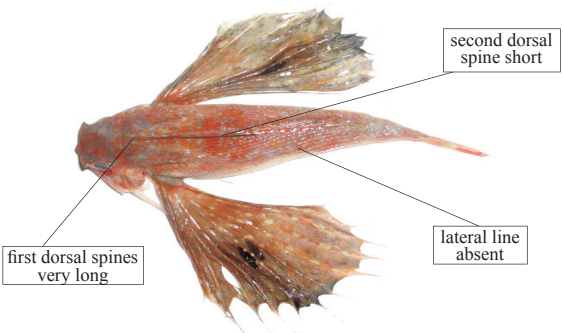


Trachicephalus uranoscopus



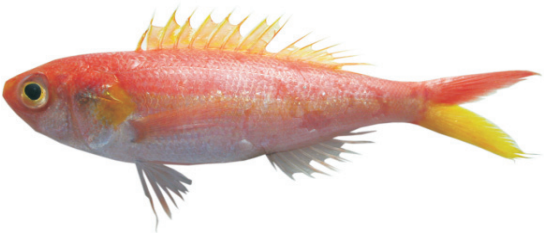
FAMILY DACTYLOPTERIDAE

Dactyloptena orientalis



ORDER PERCIFORMES
FAMILY SYMPHYSANODONTIDAE

Symphysanodon typus

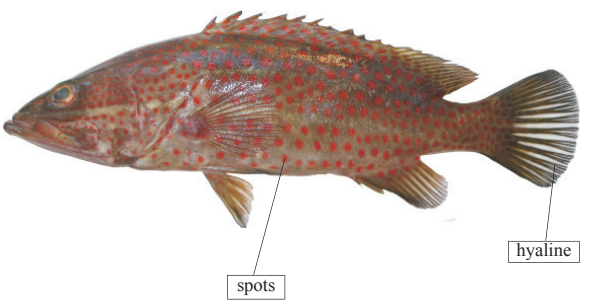


FAMILY SERRANIDAE

Aethaloperca rogaa



Anyperodon leucogrammicus



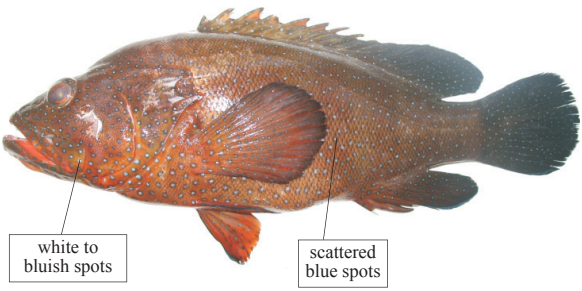
Cephalopholis argus



Cephalopholis aurantia



Cephalopholis cyanostigma



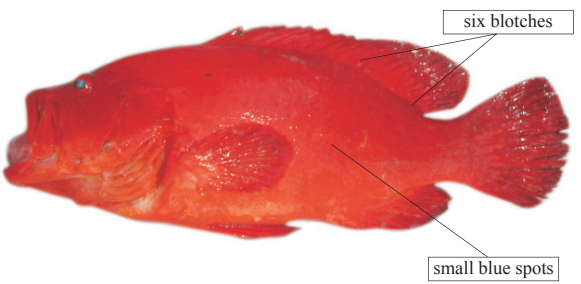
Cephalopholis formosa



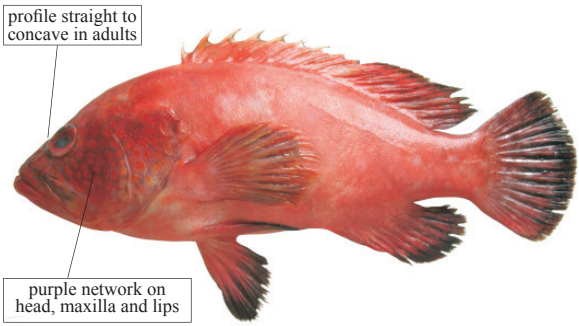
Cephalopholis miniata



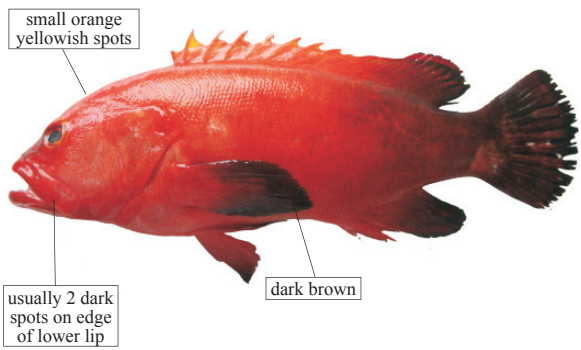
Cephalopholis sexmaculata



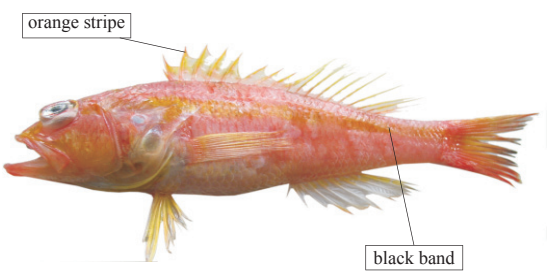
Cephalopholis sonnerati



Cephalopholis urodeta



Chelidoperca investigatoris



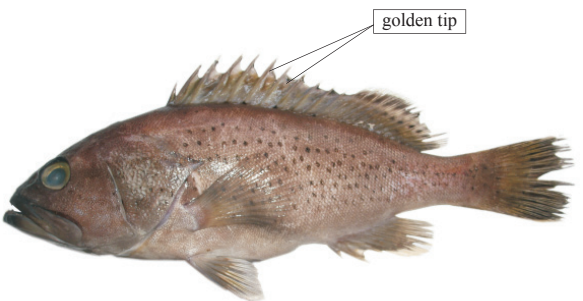
Chelidoperca pleurospilus



Cromileptes altivelis



Epinephelus albomarginatus



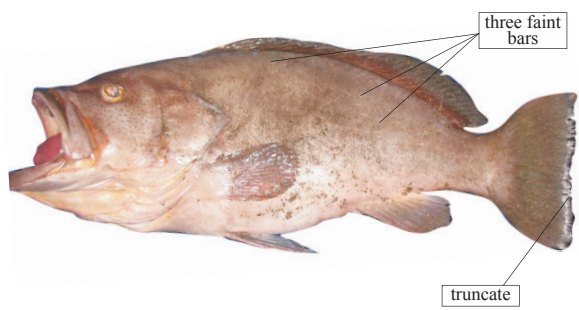
Epinephelus areolatus



Epinephelus bleekeri



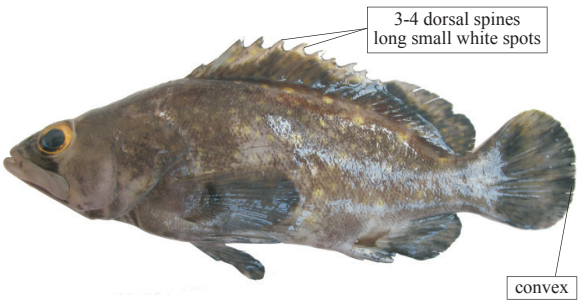
Epinephelus chabaudi



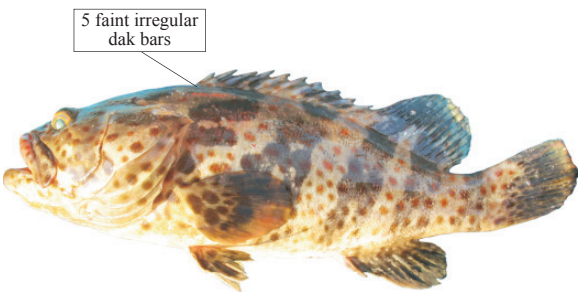
Epinephelus chlorostigma



Epinephelus coeruleopunctatus



Epinephelus coioides



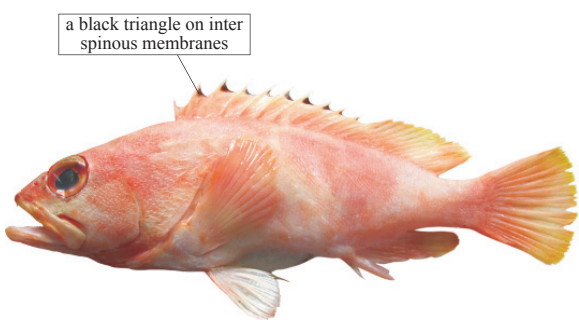
Epinephelus diacanthus



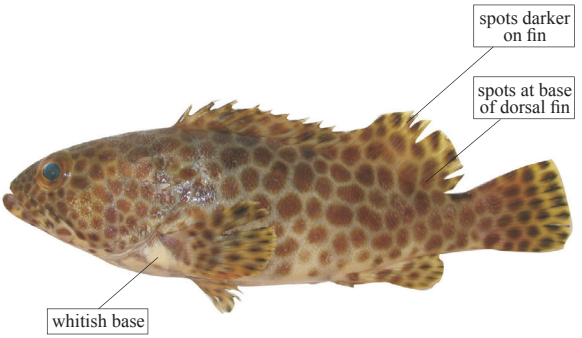
Epinephelus epistictus



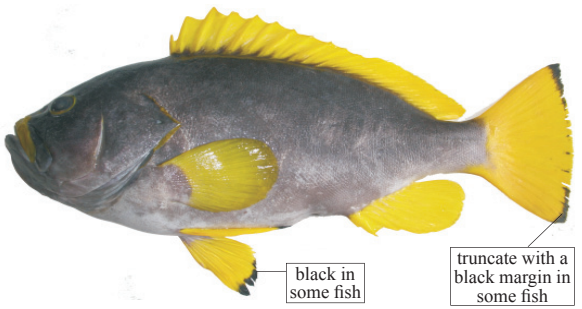
Epinephelus fasciatus



Epinephelus faveatus



Epinephelus flavocaeruleus



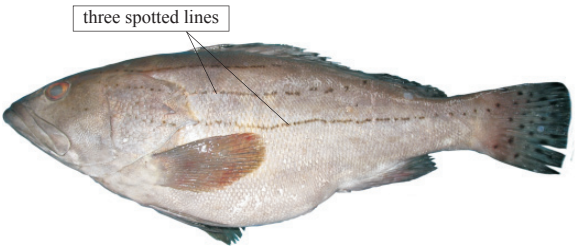
Epinephelus fuscoguttatus



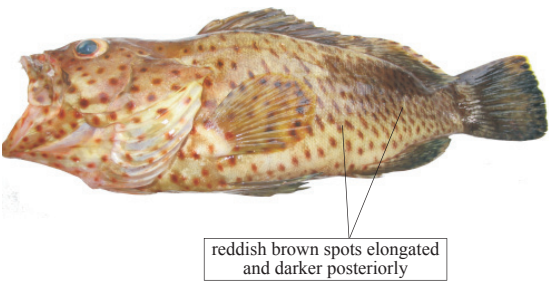
Epinephelus lanceolatus



Epinephelus latifasciatus



Epinephelus longispinis



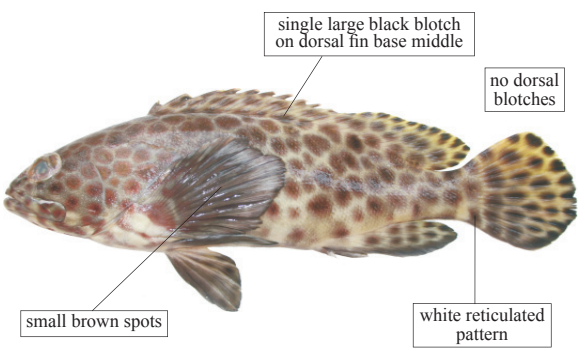
Epinephelus malabaricus



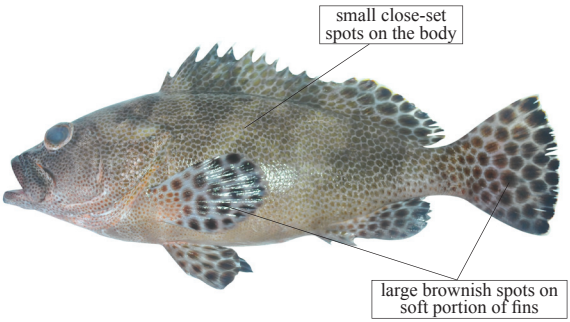
Epinephelus melanostigma



Epinephelus merra



Epinephelus miliaris



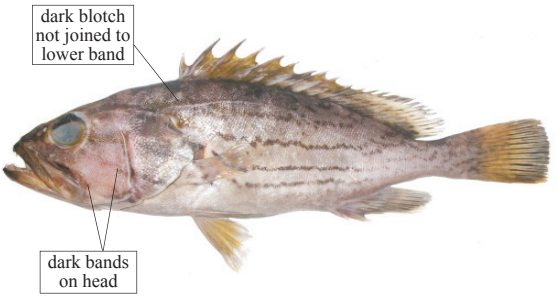
Epinephelus morrhua



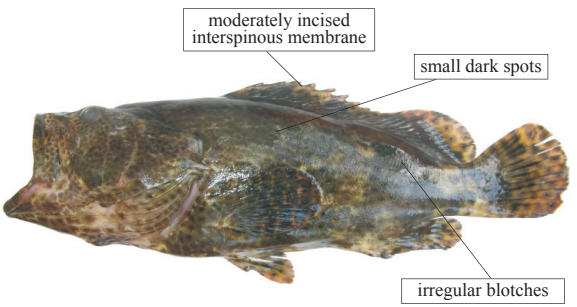
Epinephelus ongus



Epinephelus poecilonotus



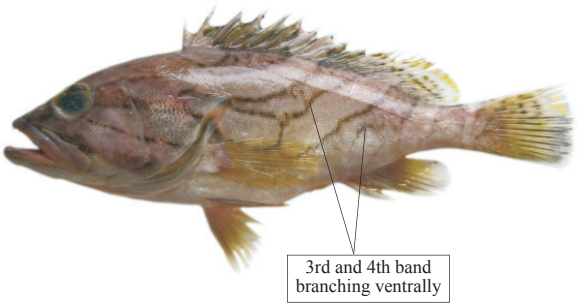
Epinephelus polyphekadion



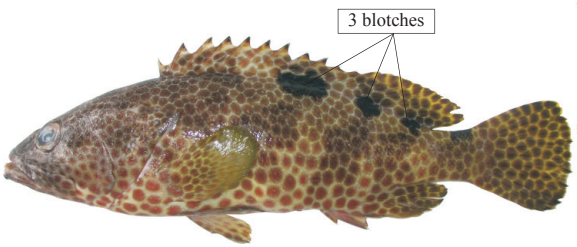
Epinephulus quoyanus



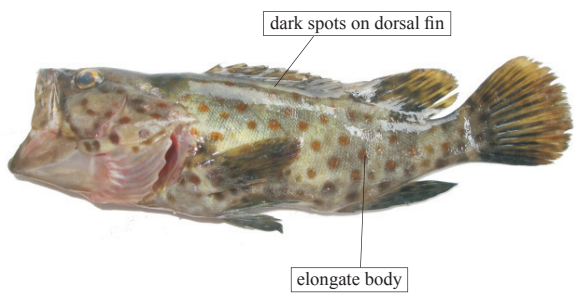
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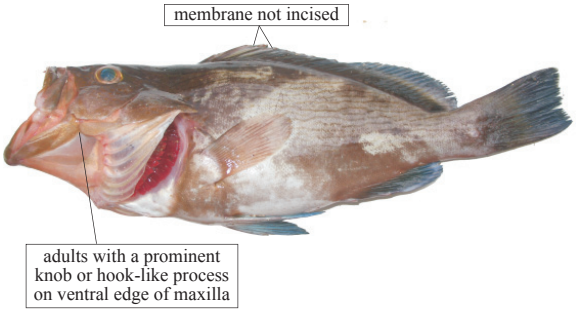
Epinephelus spilotoceps



Epinephelus tauvina



Epinephelus undulosus



Hyporthodus octofasciatus



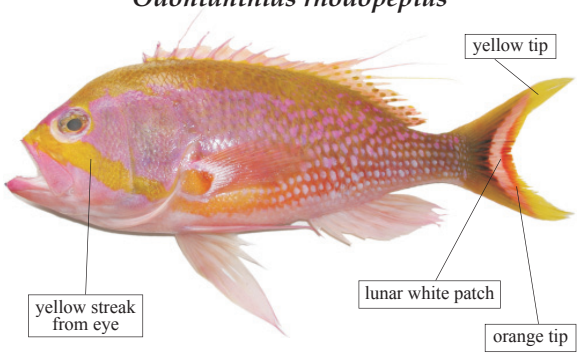
Liopoproma lunulatum



Liopoproma randalli



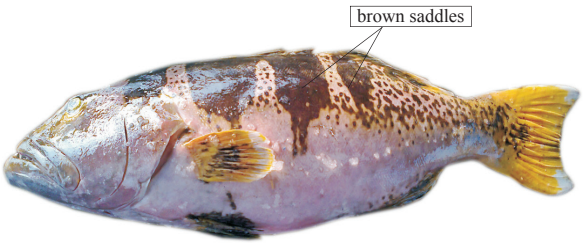
Odontanthias rhodopeplus



Plectropomus areolatus



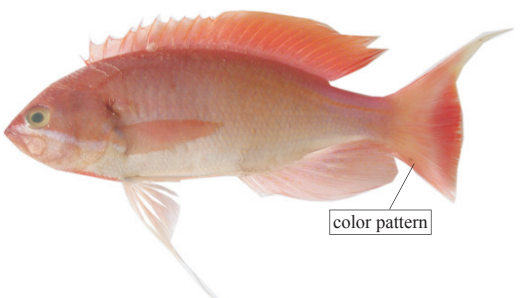
Plectropomus laevis



Plectropomus leopardus



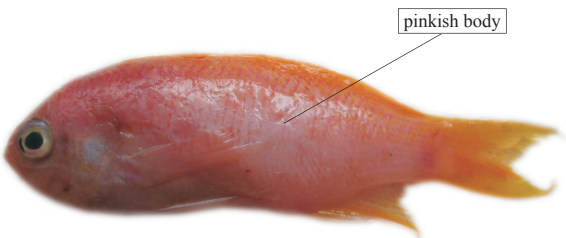
Pseudanthias marcia



Pseudanthias pillai



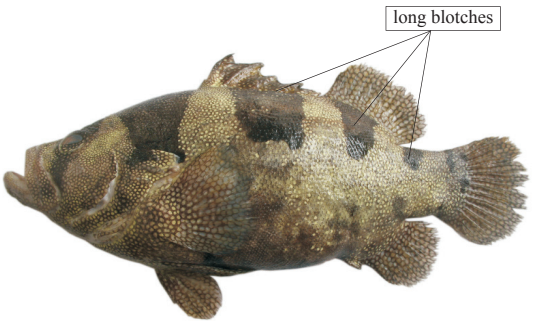
Pseudanthias sp. nov



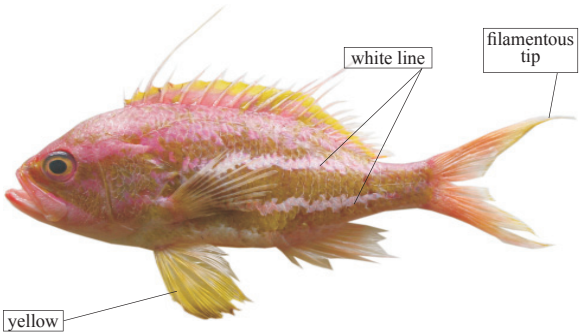
Pseudanthias sp. nov



Pogonoperca ocellata



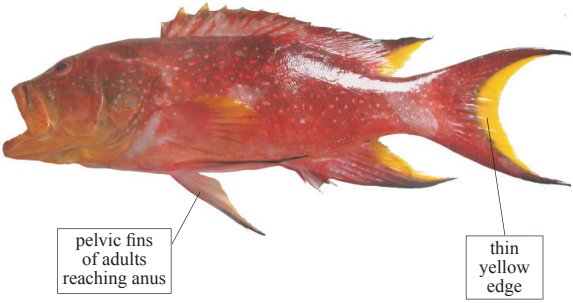
Sacura boulengeri



Variola albimarginata

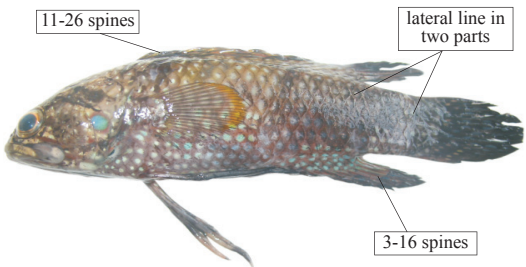


Variola louti



FAMILY PLESIOPIDAE

Plesiops corallicola



FAMILY OPISTOGNATHIDAE

Opistognathus rosenbergii

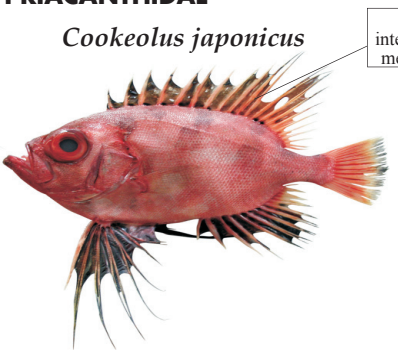


Opistognathus nigromarginatus



FAMILY PRIACANTHIDAE

Cookeolus japonicus



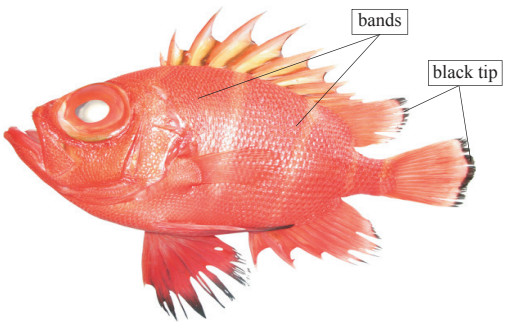
Heteropriacanthus cruentatus



Priacanthus hamrur

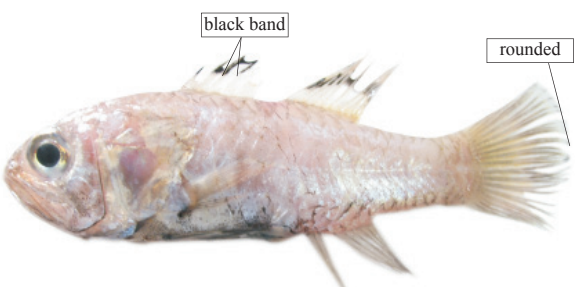


Pristigenys refulgens

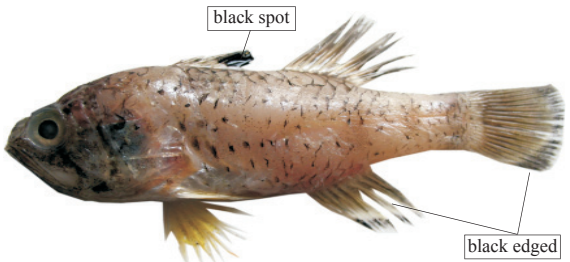


FAMILY APOGONIDAE

Apogon ellioti



Apogon queketti



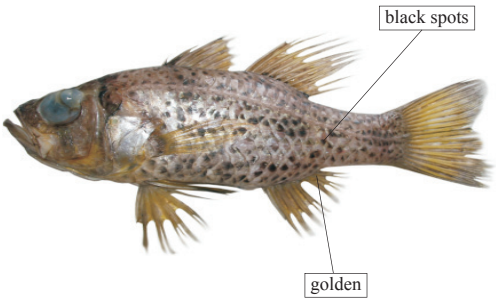
Apogonichthyoides nigripinnis



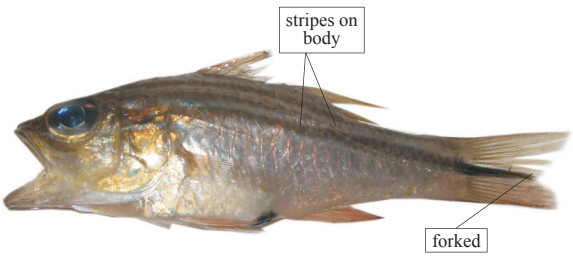
Apogonichthyoides pseudotaeniatus



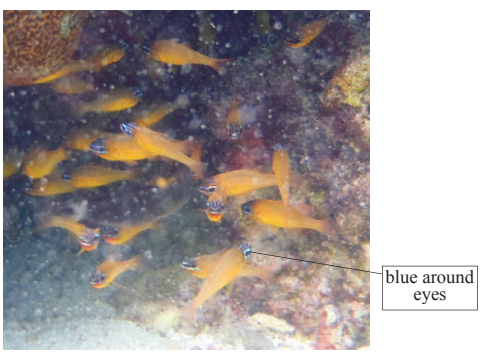
Holapogon maximus



Ostorhinchus fasciatus



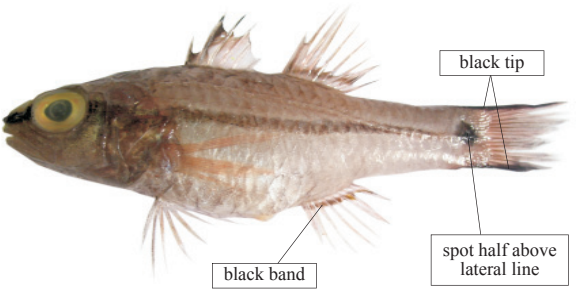
Ostorhinchus luteus



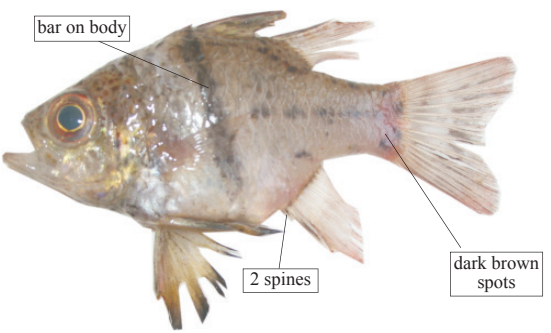
Ostorhinus fleurieu



Pristiapogon fraenatus



Sphaeramia orbicularis

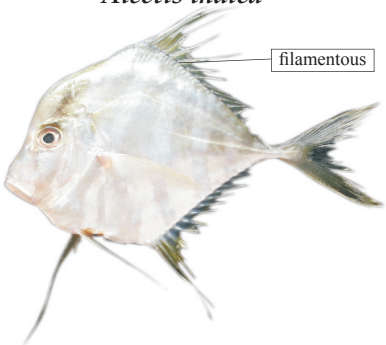


FAMILY **CARANGIDAE**

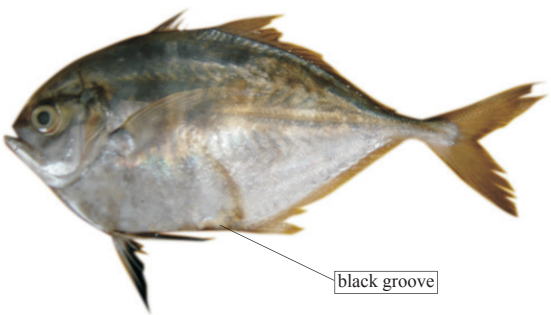
Alectis ciliaris



Alectis indica



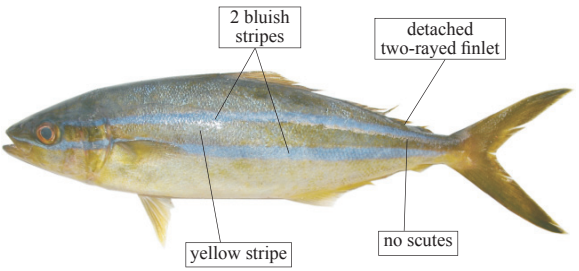
Atropus atropos



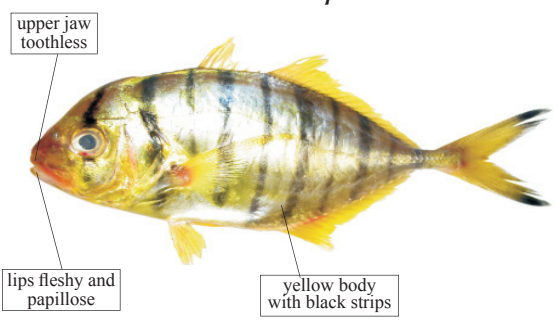
Caranx heberi



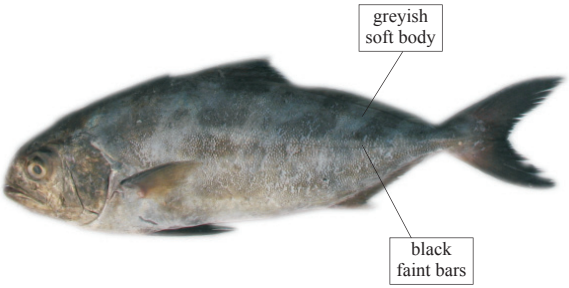
Elagatis bipinnulata



Gnathanodon speciosus



Seriolina nigrofasciata

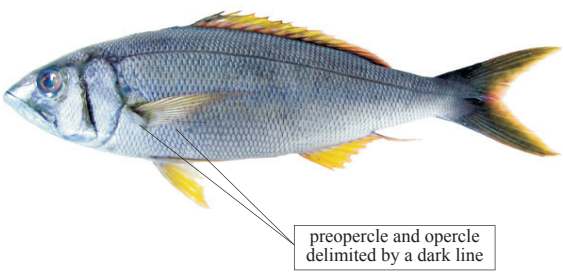


Scomberoides commersonianus

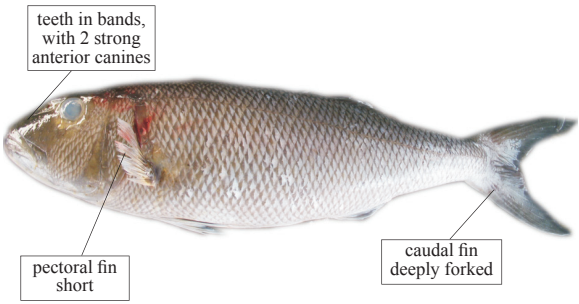


FAMILY LUTJANIDAE

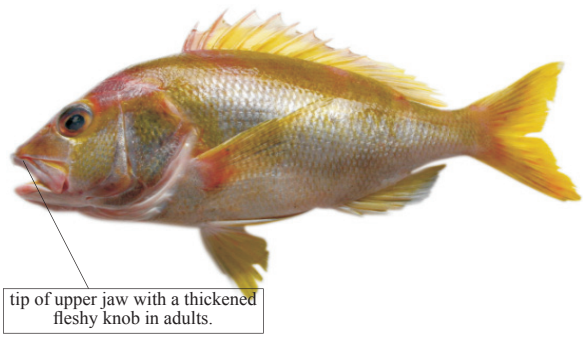
Aphareus furca



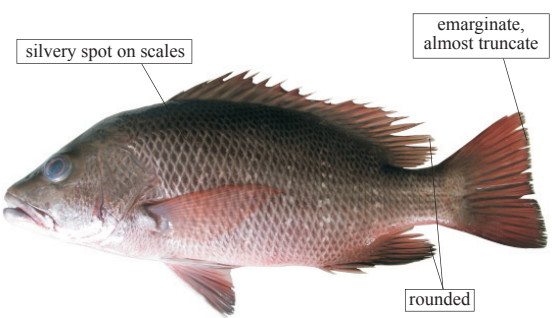
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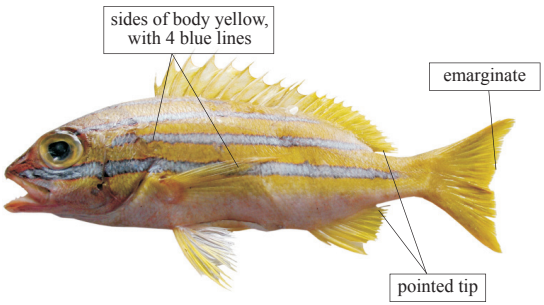
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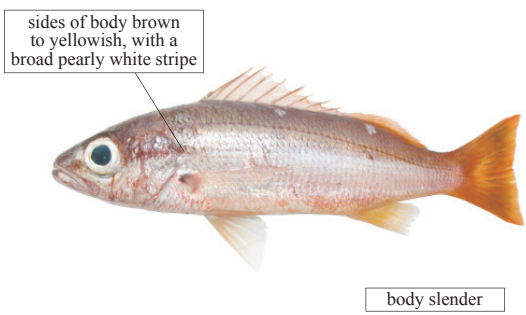
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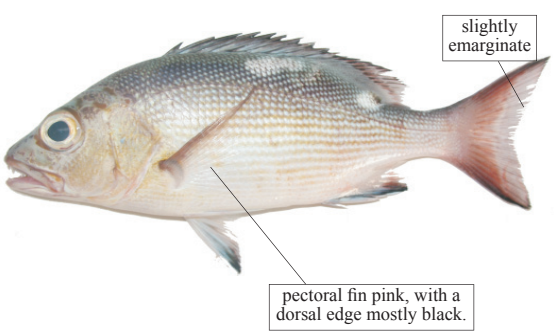
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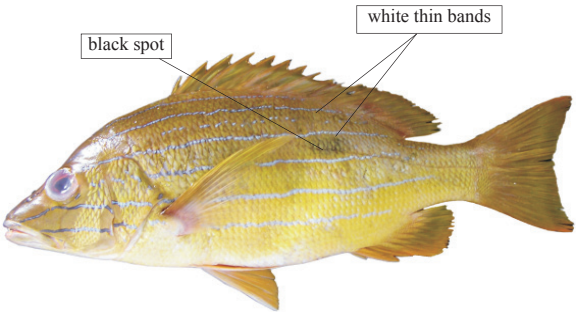
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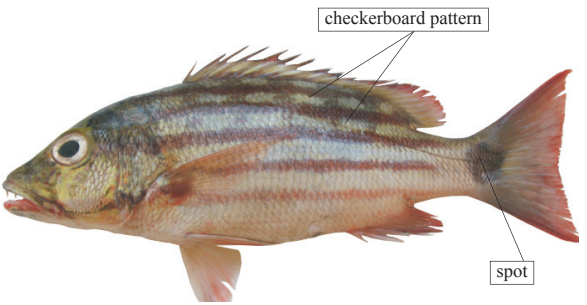
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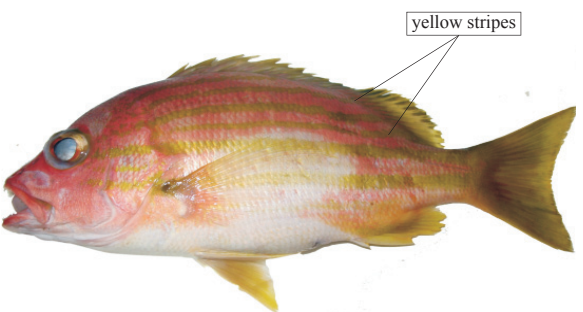
Lutjanus coeruleolineatus



Lutjanus decussatus



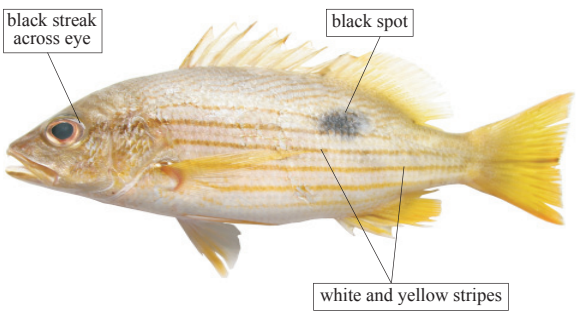
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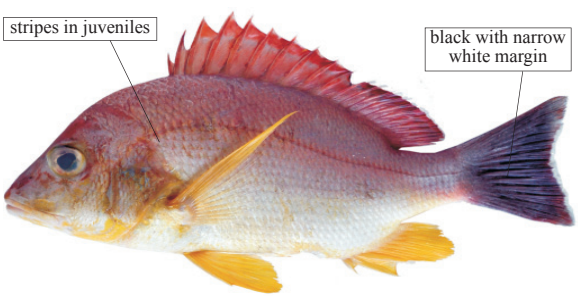
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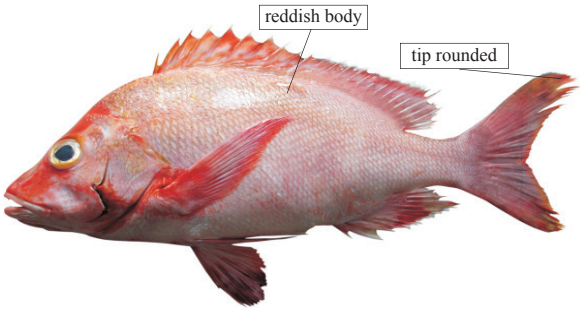
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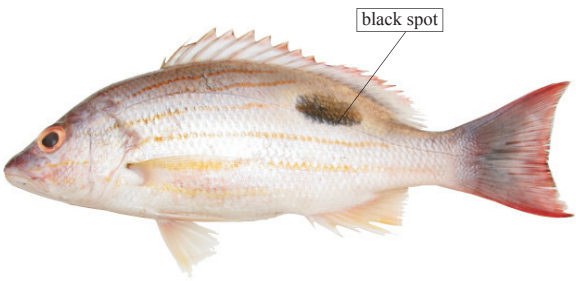
Lutjanus fulvus



Lutjanus gibbus



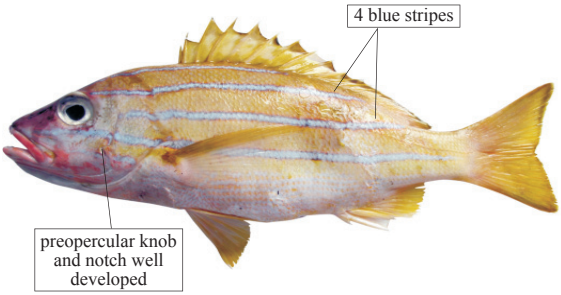
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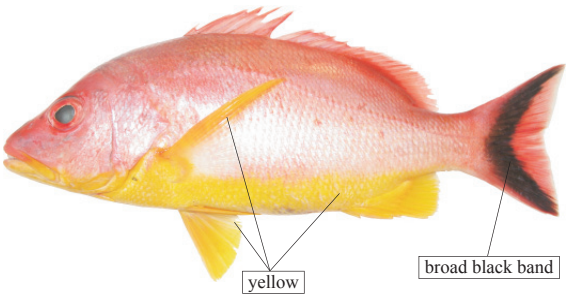
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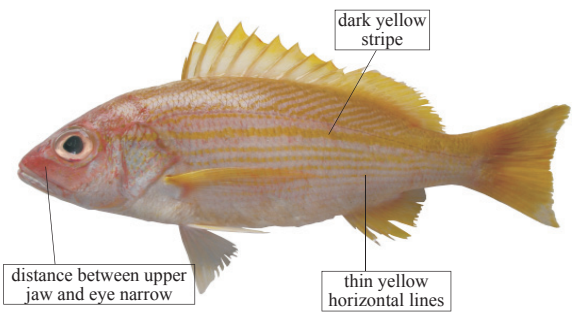
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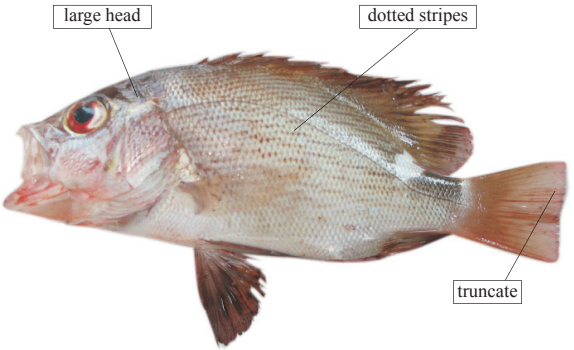
Lutjanus lunulatus



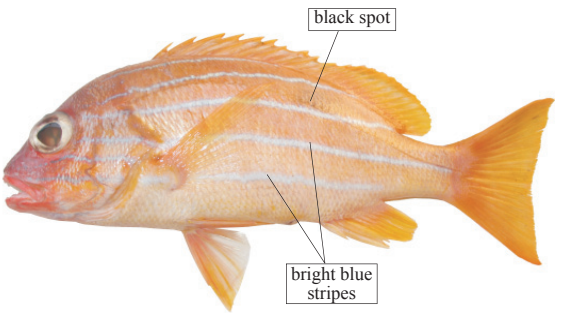
Lutjanus lutjanus



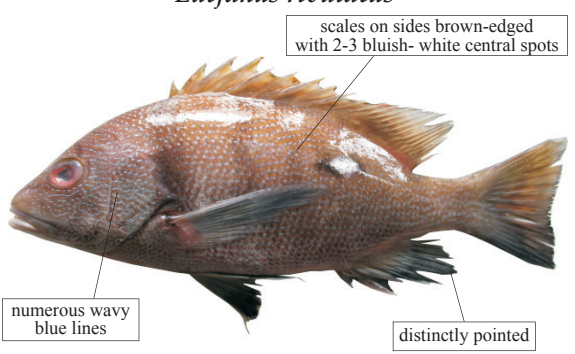
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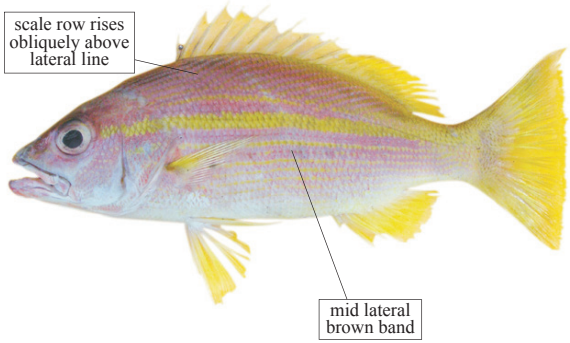
Lutjanus quinquelineatus



Lutjanus rivulatus



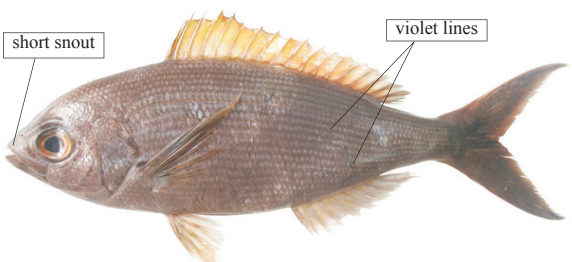
Lutjanus vitta



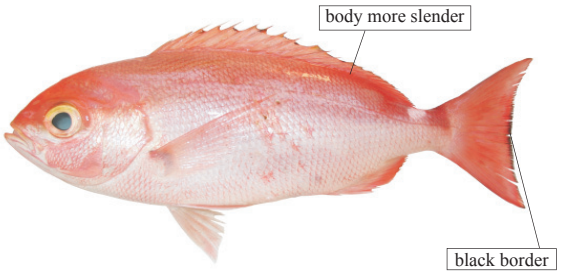
Macolor macularis



Paracaesio sordida



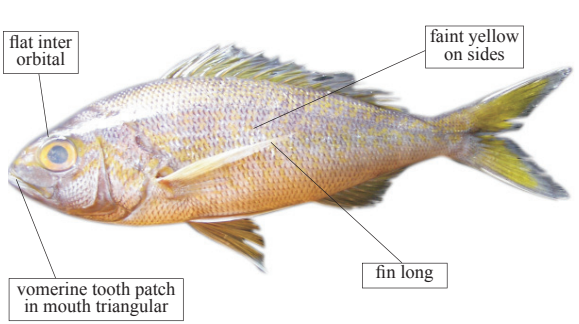
Pinjalo lewisi



Pinjalo pinjalo



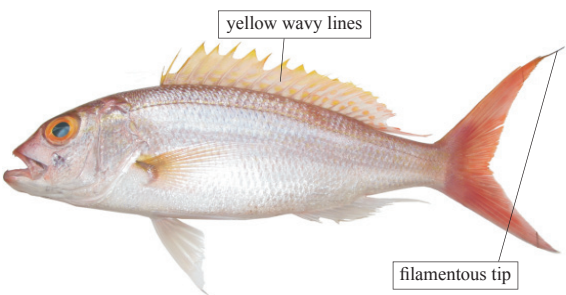
Pristipomoides auricilla



Pristipomoides filamentosus



Pristipomoides typus



Lutjanus n. sp



Lutjanus n. sp

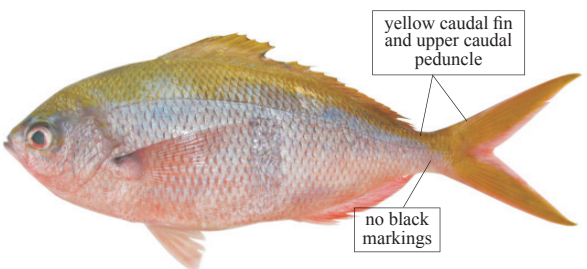


FAMILY CAESIONIDAE

Caesio caerulaurea



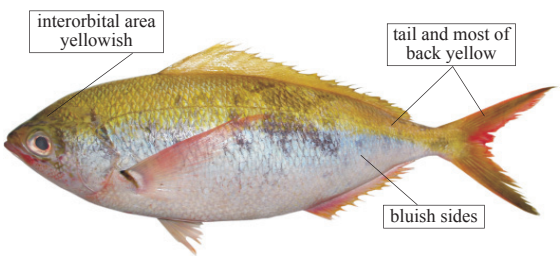
Caesio cuning



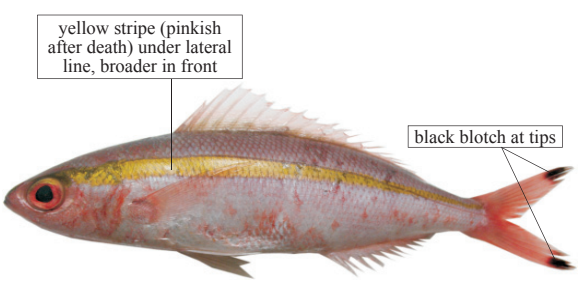
Caesio varilineata



Caesio xanthonotus

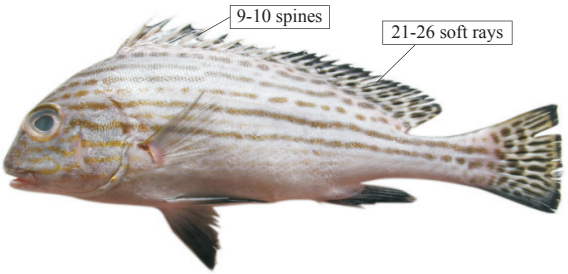


Pterocaesio chrysozona



FAMILY HAEMULIDAE

Diagramma pictum



Plectorhinchus albovittatus



Plectorhinchus chaetodonoides



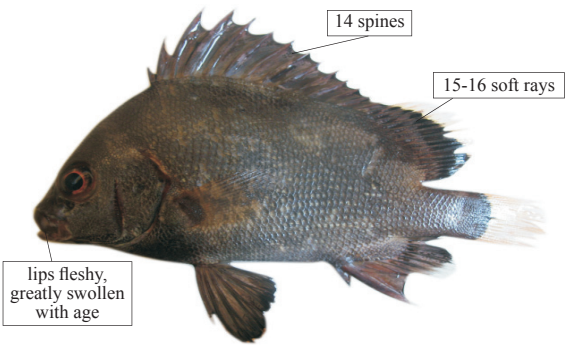
Plectorhinchus chubbi



Plectorhinchus gaterinus



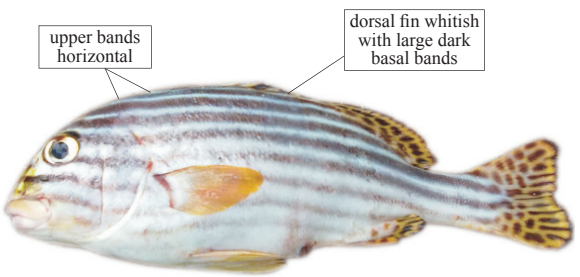
Plectrohinchus gibbosus (Juvenile)



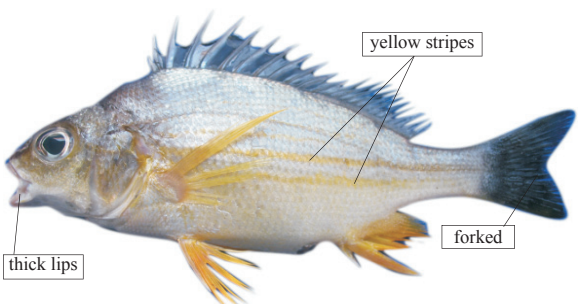
Plectorhinchus sordidus



Plectorhinchus vittatus



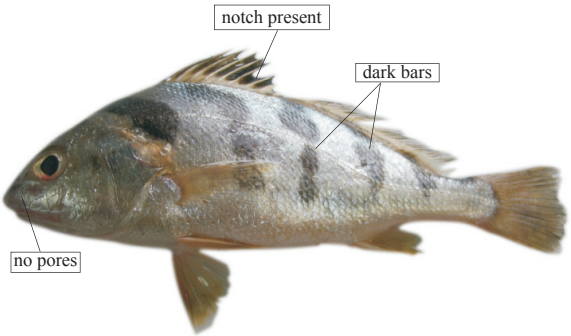
Pomadasys guoraca



Pomadasys furcatus

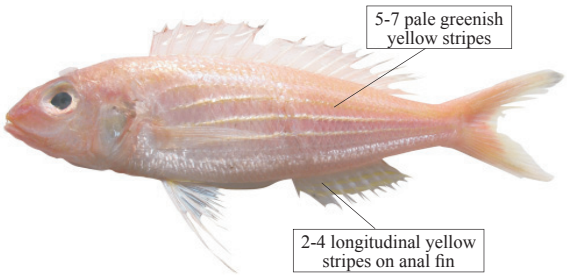


Pomadasys maculatus



FAMILY NEMIPTERIDAE

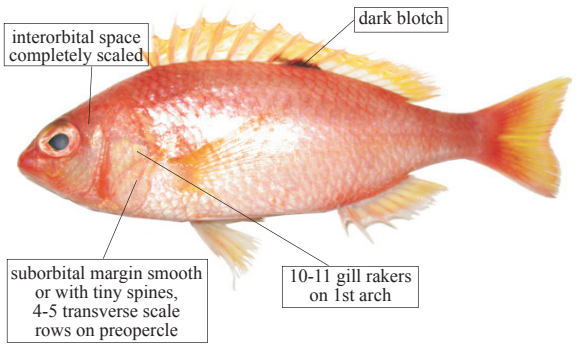
Nemipterus bipunctatus



Nemipterus zysron



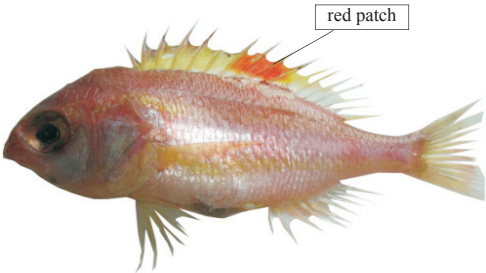
Parascolopsis aspinosa



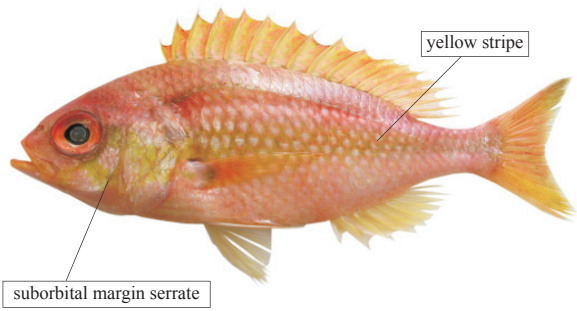
Parascolopsis capitinis



Parascolopsis baranesi



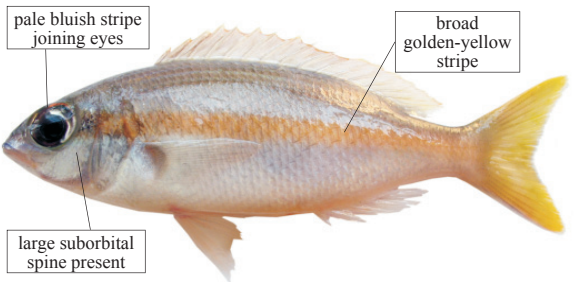
Parascolopsis eriomma



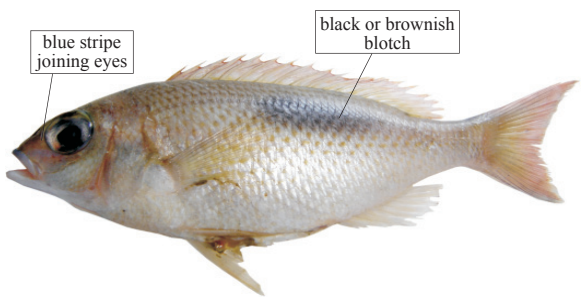
Parascolopsis inermis



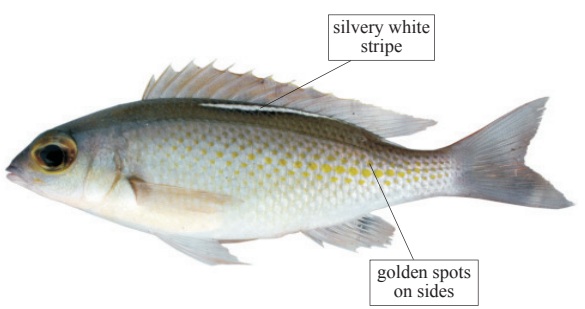
Scolopsis aurata



Scolopsis bimaculatus



Scolopsis ciliata

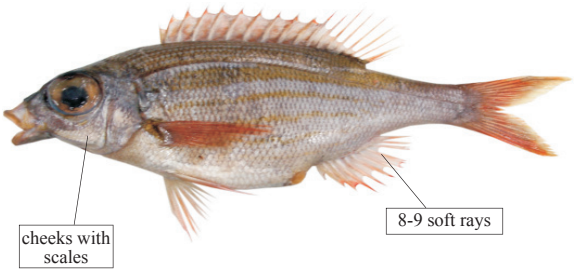


Scolopsis vosmeri

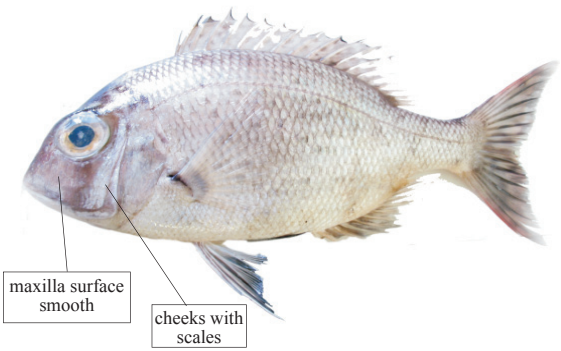


FAMILY LETHRINIDAE

Gnathodentex aurolineatus



Gymnocranius elongatus



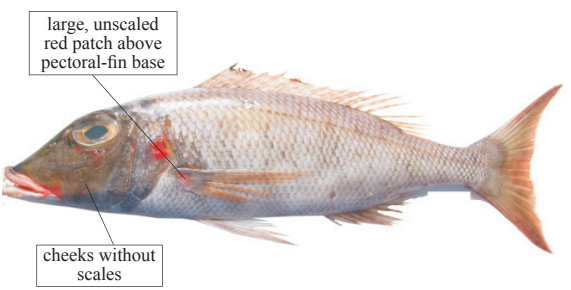
Gymnocranius grandoculis



Lethrinus borbonicus



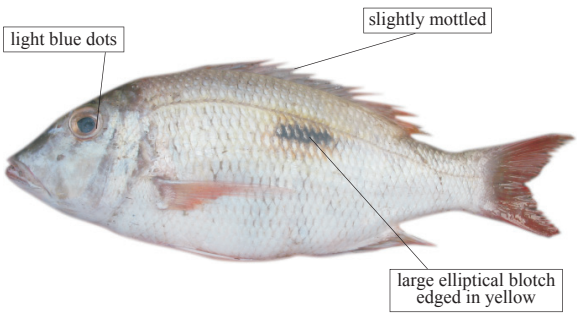
Lethrinus conchyliatus



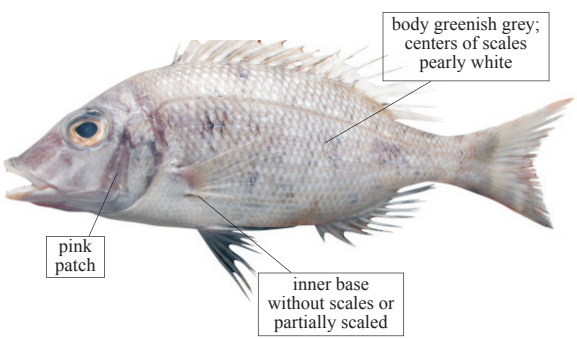
Lethrinus erythracanthus



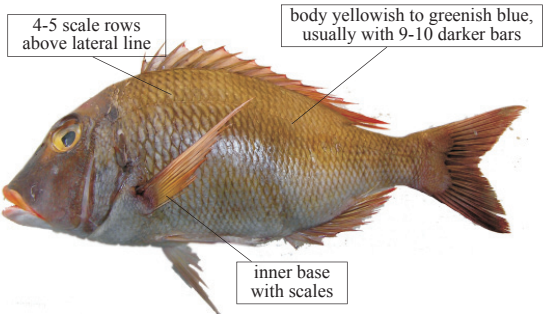
Lethrinus harak



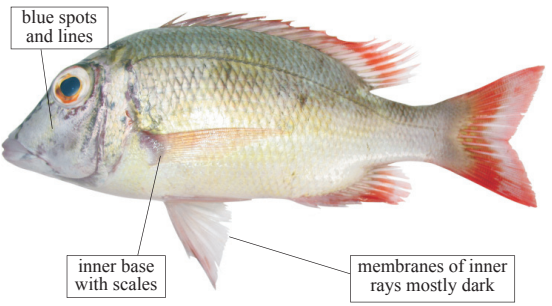
Lethrinus sp nov.



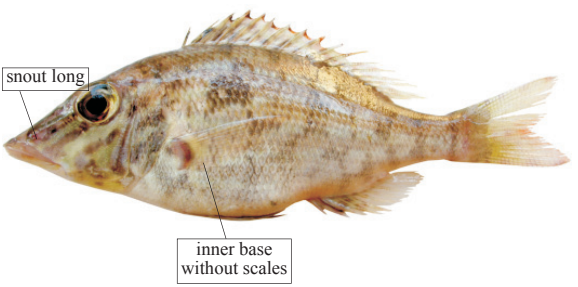
Lethrinus mahsena



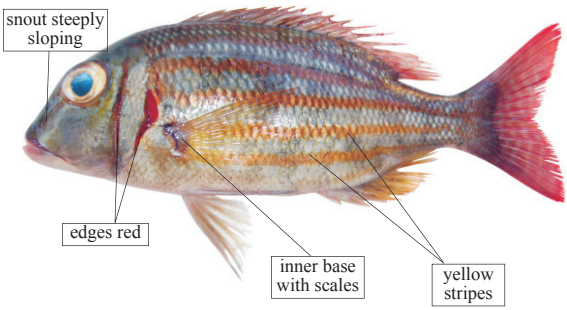
Lethrinus nebulosus



Lethrinus olivaceus



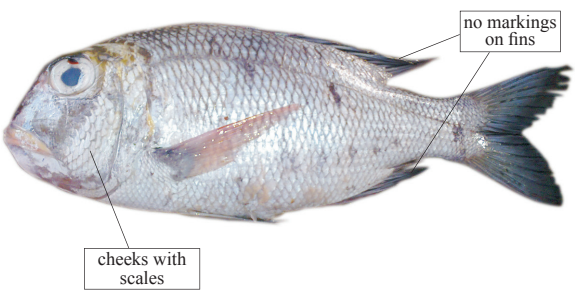
Lethrinus ornatus



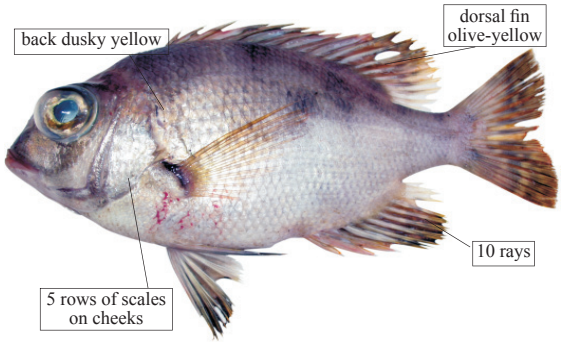
Lethrinus letjan



Monotaxis grandoculis

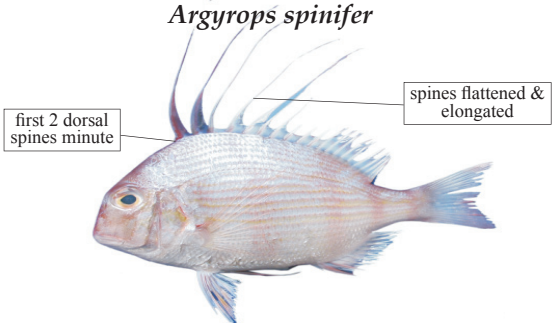


Wattsia mossambica

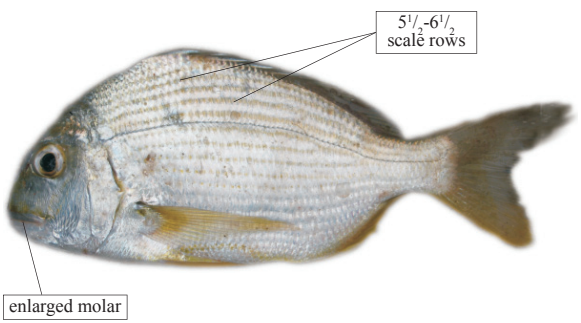


FAMILY SPARIDAE

Argyrops spinifer

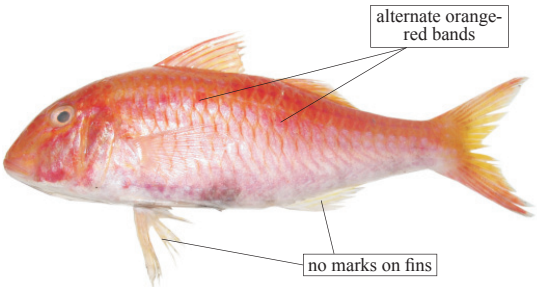


Rhabdosargus sarba

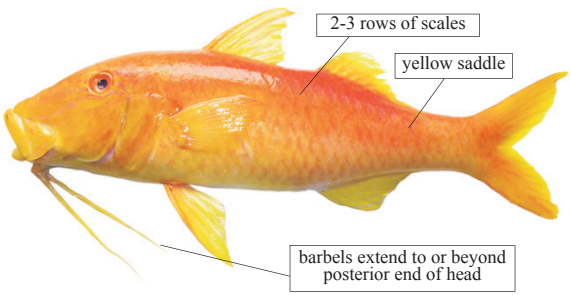


FAMILY MULLIDAE

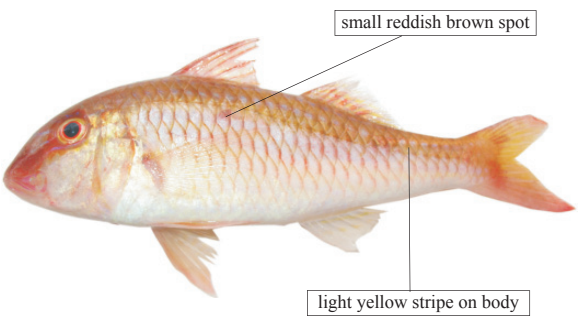
Mulloidichthys pfluegeri



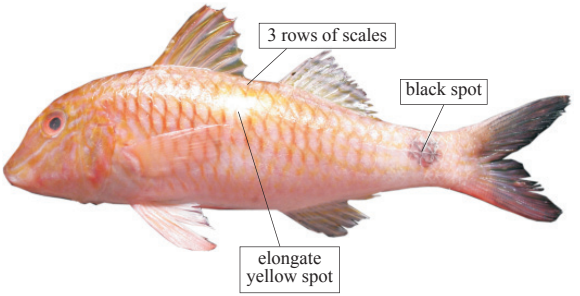
Parupeneus cyclostomus



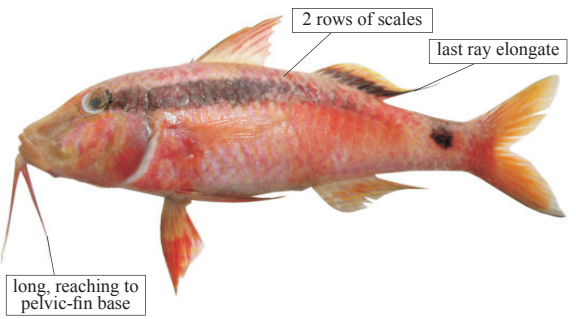
Parupeneus heptacanthus



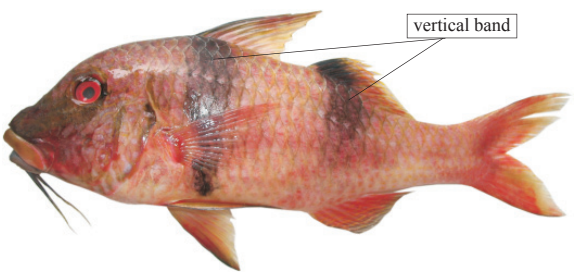
Parupeneus indicus



Parupeneus macronemus



Parupeneus trifasciatus



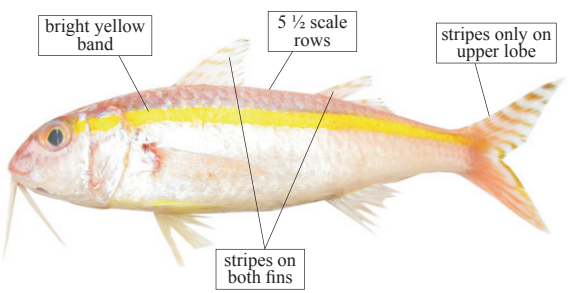
Parupeneus sp. nov



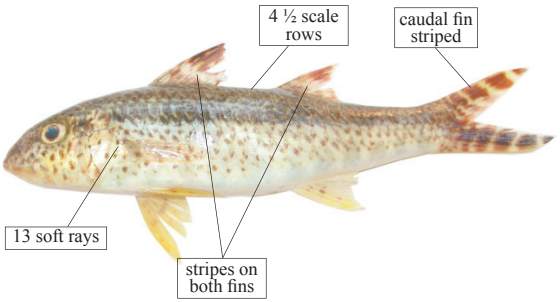
Upeneus japonicus



Upeneus moluccensis



Upeneus tragula

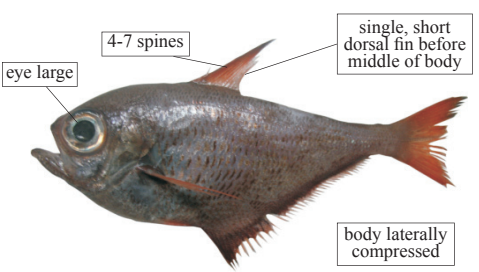


Upeneus vittatus



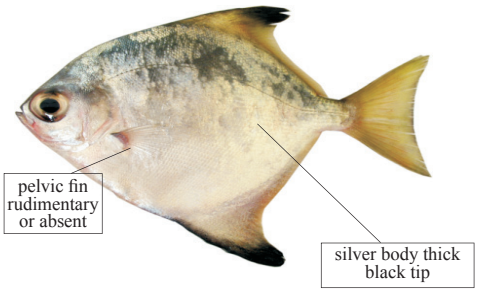
FAMILY PEMPHERIDAE

Pempheris adusta



FAMILY MONODACTYLIDAE

Monodactylus argenteus



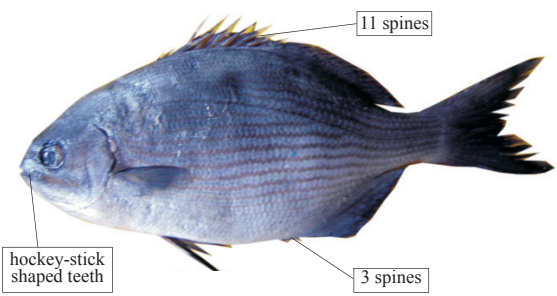
FAMILY TOXOTIDAE

Toxotes jaculatrix

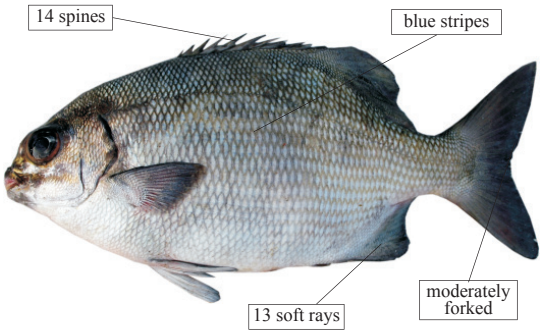


FAMILY KYPHOSIDAE

Kyphosus cinerascens

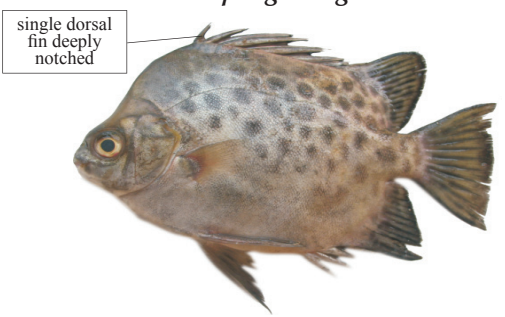


Kyphosus vaigiensis



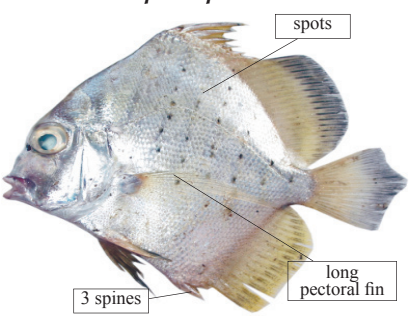
FAMILY SCATOPHAGIDAE

Scatophagus argus



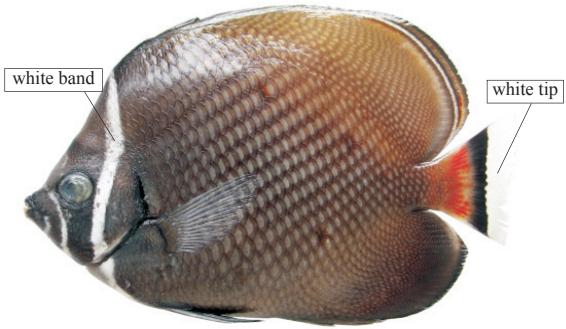
FAMILY DREPANEIDAE

Drepane punctata

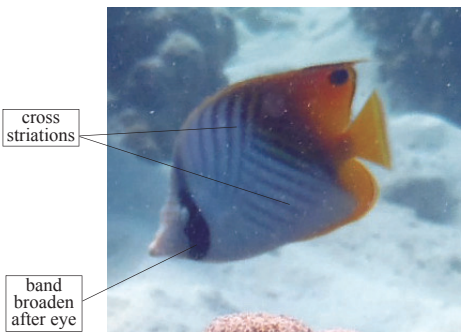


FAMILY CHAETODONTIDAE

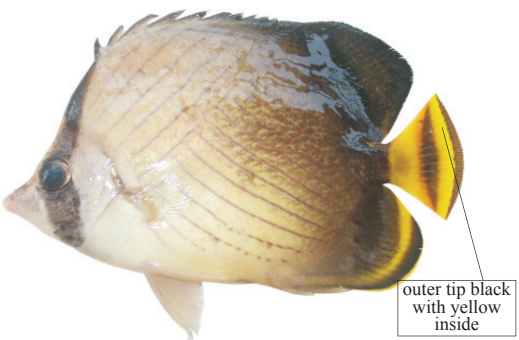
Chaetodon collare



Chaetodon auriga



Chaetodon decussatus



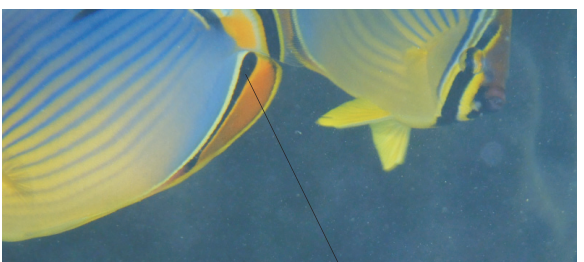
Chaetodon falcula



Chaetodon gardineri



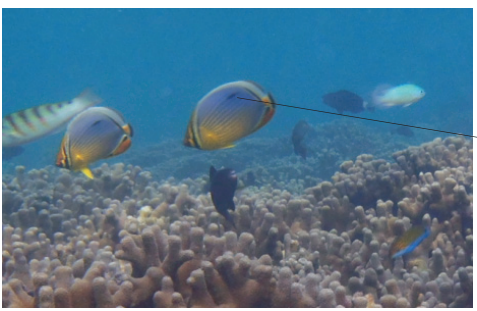
Chaetodon lunulatus



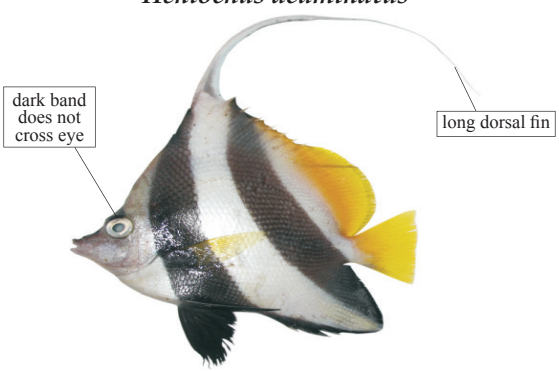
Chaetodon octofasciatus



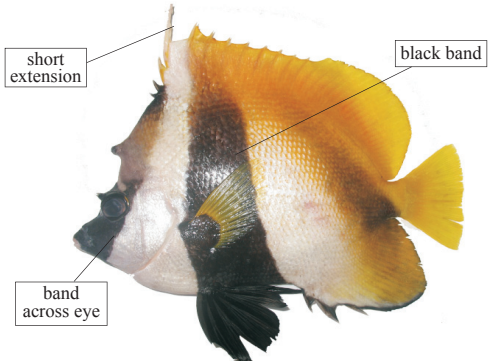
Chaetodon trifasciatus



Heniochus acuminatus



Heniochus monoceros



Roa excelsa

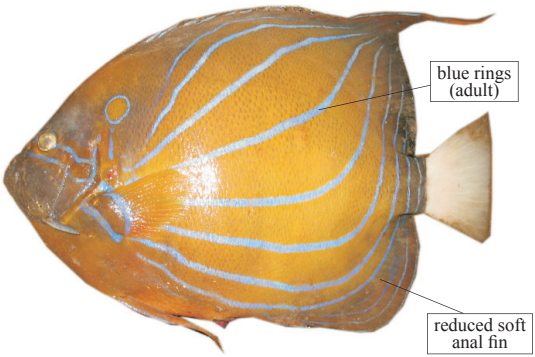


FAMILY POMACANTHIDAE

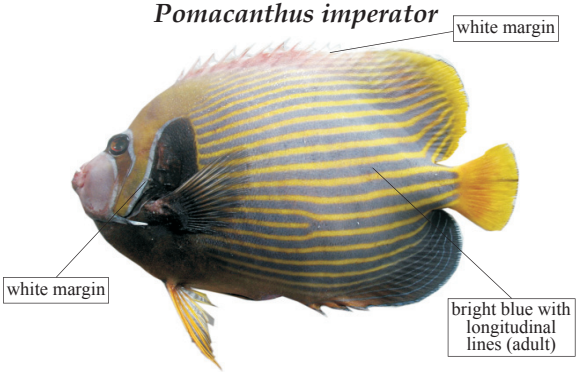
Apolemichthys xanthurus



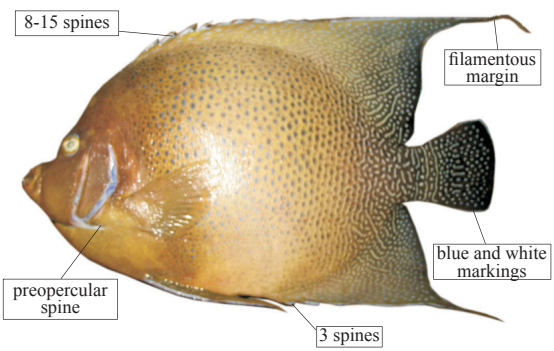
Pomacanthus annularis



Pomacanthus imperator



Pomacanthus semicirculatus



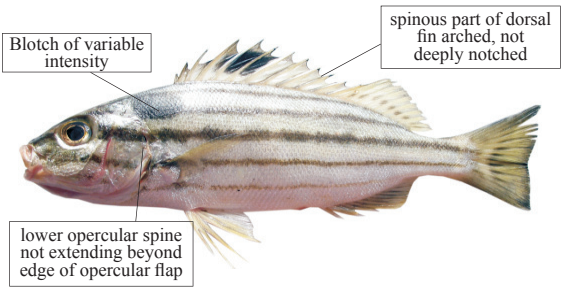
FAMILY PENTACEROTIDAE

Histiopterus typus

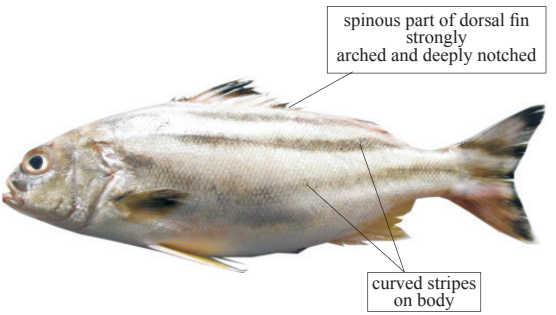


FAMILY TERAPONTIDAE

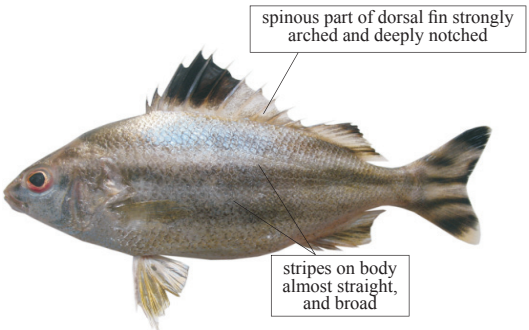
Pelates quadrilineatus



Terapon jarbua

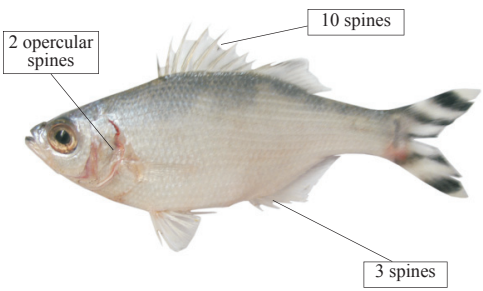


Terapon theraps



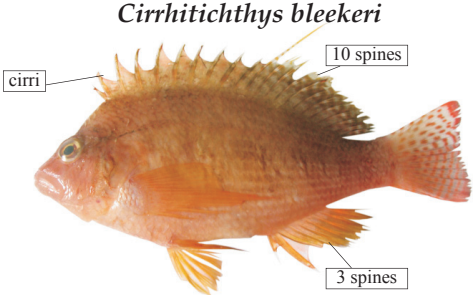
FAMILY KUHLIIDAE

Kuhlia mugil



FAMILY CIRRHITIDAE

Cirrhitichthys bleekeri



FAMILY POMACENTRIDAE

Abudefduf sordidus



Abudefduf saxatilis



Abudefduf vaigiensis



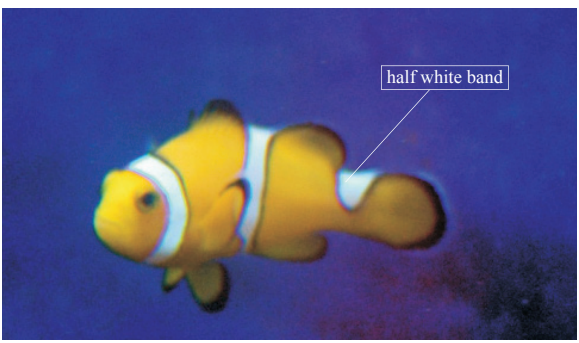
Amphiprion clarkii



Amphiprion sebae



Amphiprion percula



Dascyllus aruanus



Dascyllus melanurus



Dascyllus trimaculatus



Dascyllus trimaculatus **(Juvenile)**



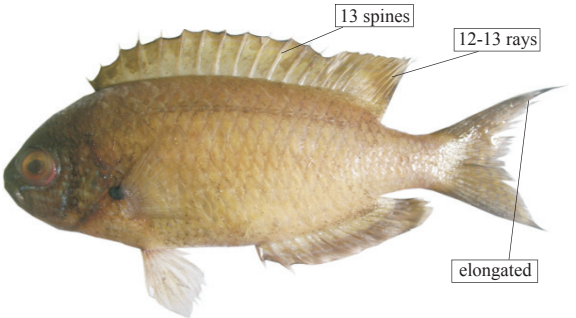
Dischistodus perspicillatus



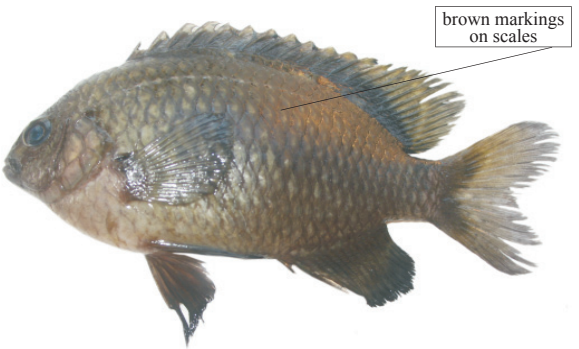
Neoglyphidodon melas



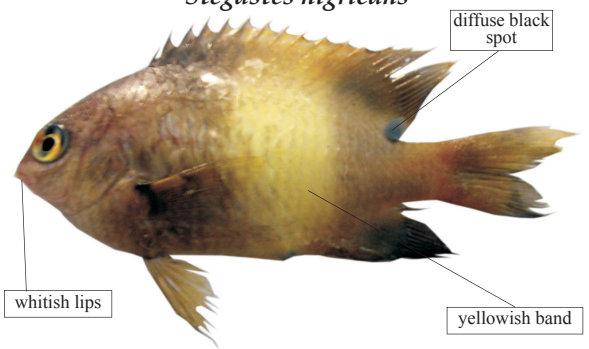
Pristotis obtusirostris



Stegastes fasciolatus



Stegastes nigricans



FAMILY LABRIDAE

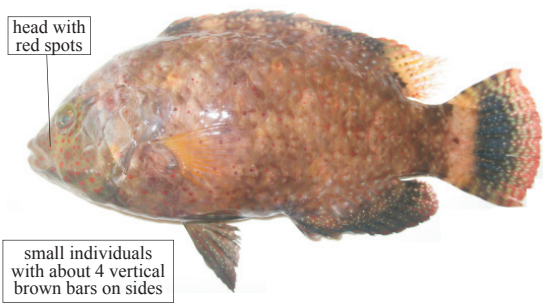
Bodianus neilli



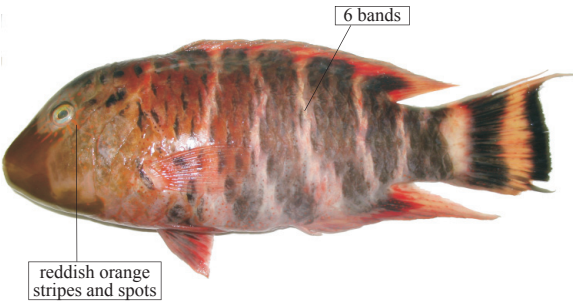
Cheilinus undulatus



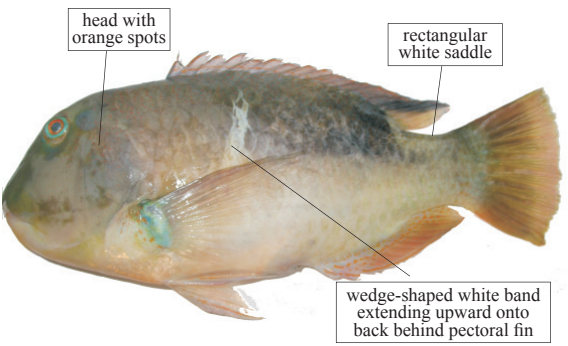
Cheilinus chlorourus



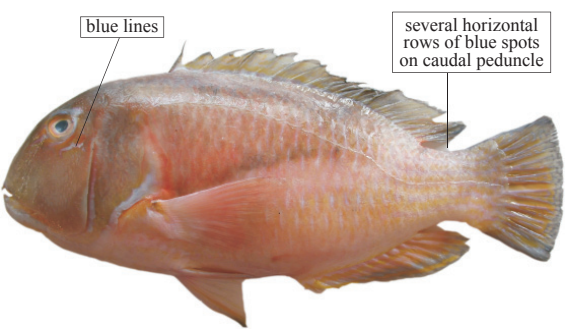
Cheilinus fasciatus



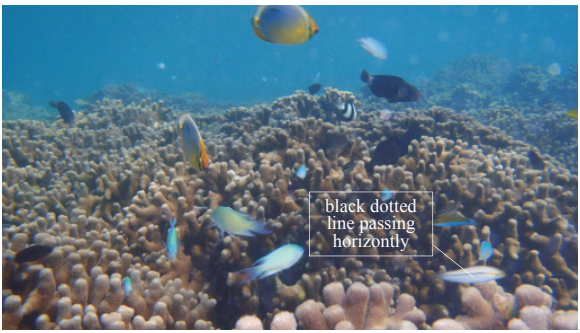
Choerodon anchorago



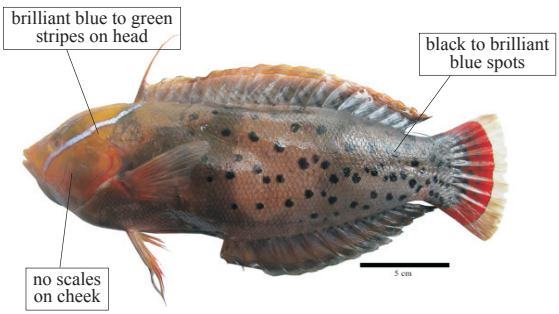
Choerodon robustus



Coris centralis



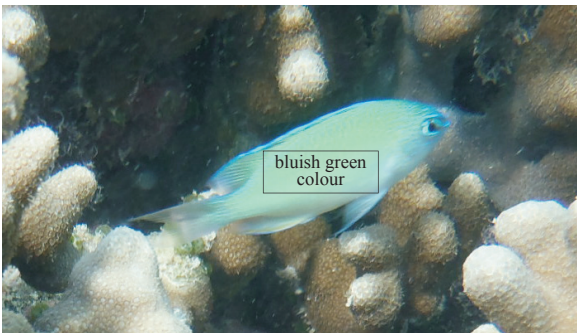
Coris formosa (Young)



Coris formosa (Adult male)



Chromis viridis



C. aurantidorsalis



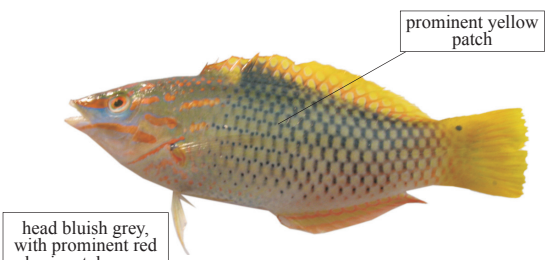
Cymolutes praetextatus



Gomphosus caeruleus



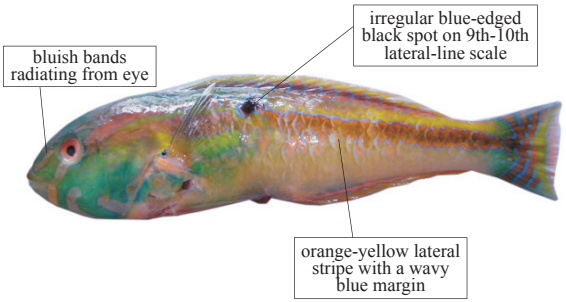
Halichoeres hortulanus



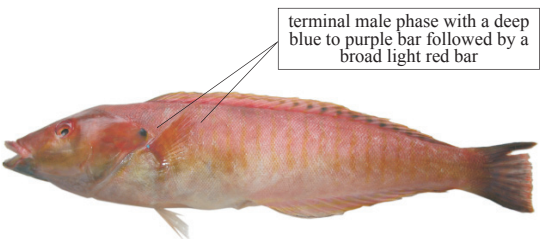
Halichoeres scapularis



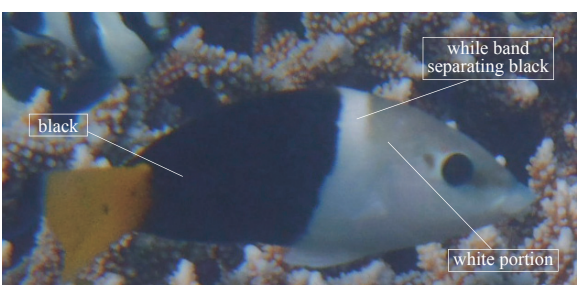
Halichoeres zeylonicus



Hologymnosus doliatus



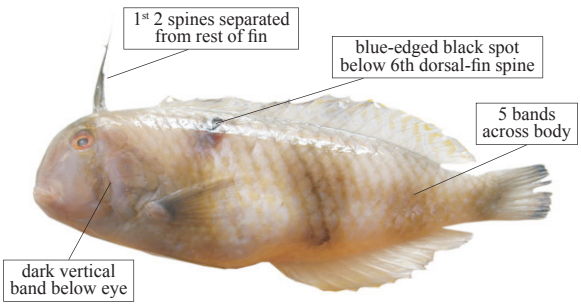
Hemigymnus melapterus (Juvenile)



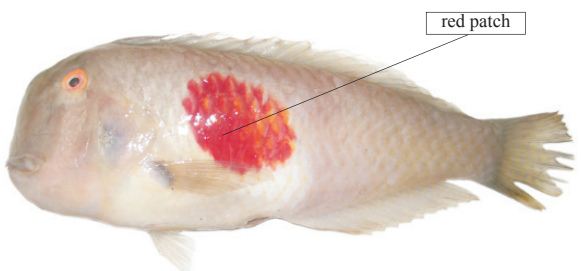
Iniistius cyanifrons



Iniistius pavo



Iniistius twistii



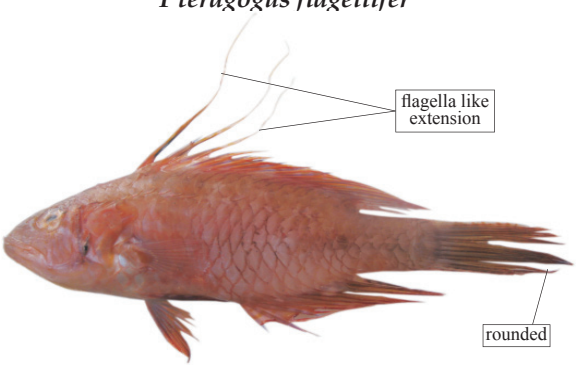
Labroides dimidiatus



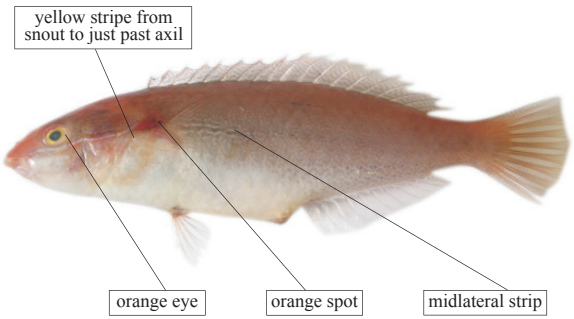
Oxycheilinus digramma



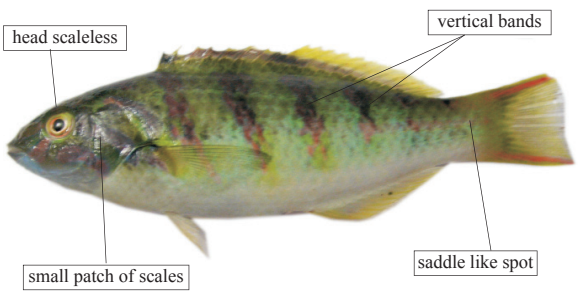
Pteragogus flagellifer



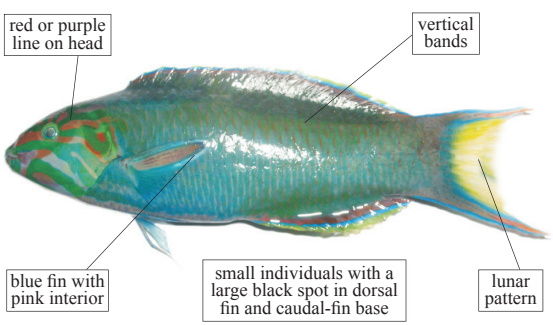
Stethojulis interrupta (Female)



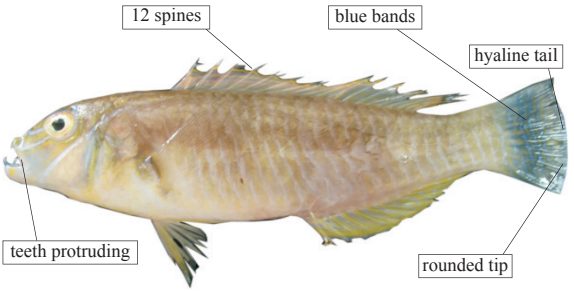
Thalassoma hardwicke



Thalassoma lunare

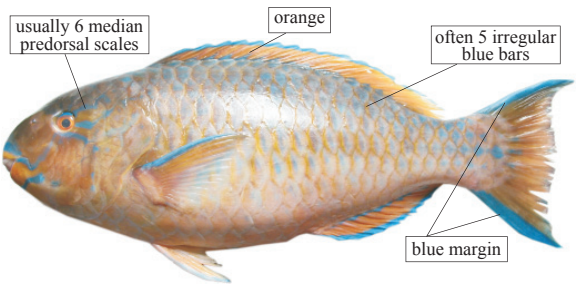


Xiphocheilus typus

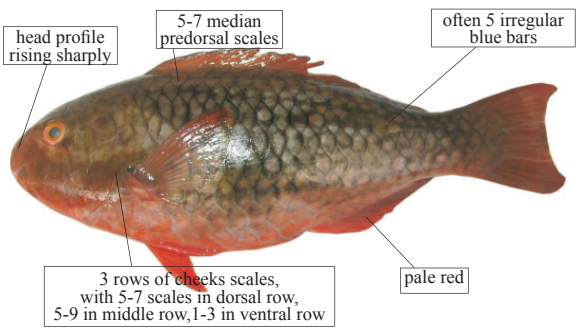


FAMILY SCARIDAE

Scarus ghobban

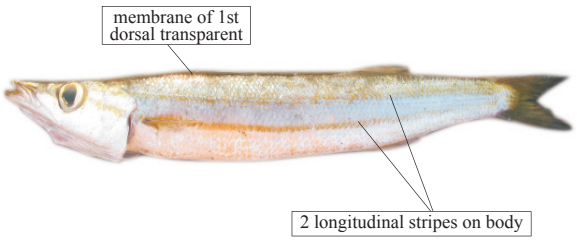


Scarus rubroviolaceus



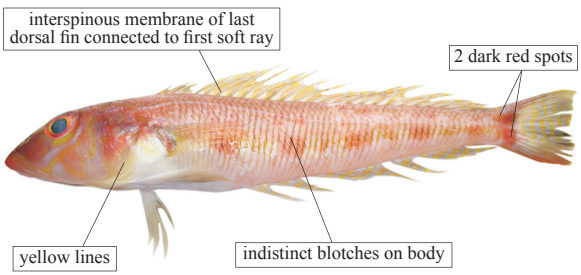
FAMILY SPHYRAENIDAE

Sphyraena iburiensis

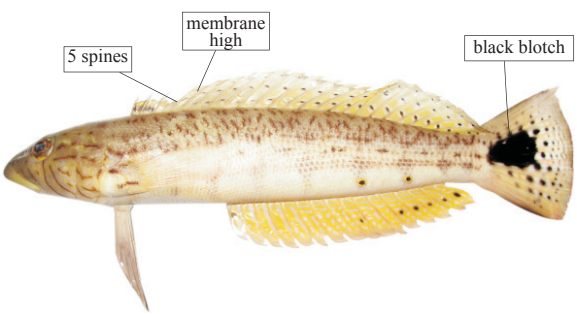


FAMILY PINGUIPEDIDAE

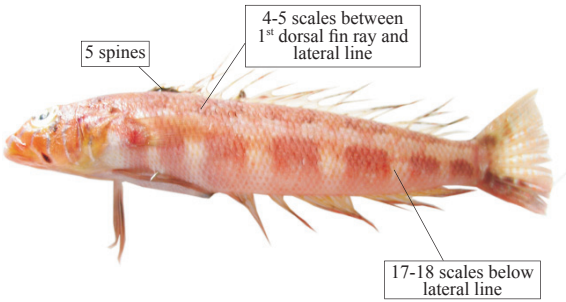
Parapercis alboguttata



Parapercis hexophthalma

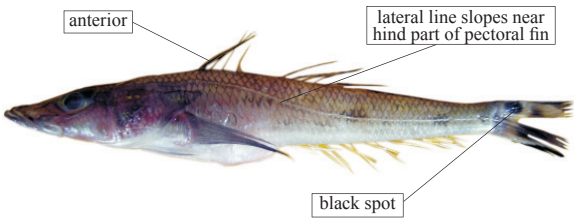


Parapercis pulchella



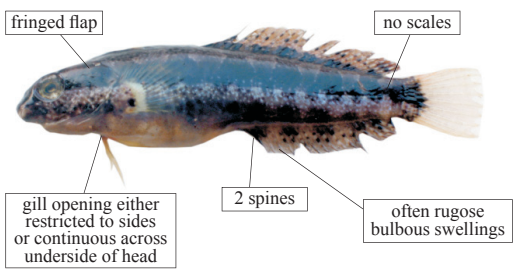
FAMILY PERCOPHIDAE

Bembrops caudimacula



FAMILY BLENNIIDAE

Petroscrites breviceps

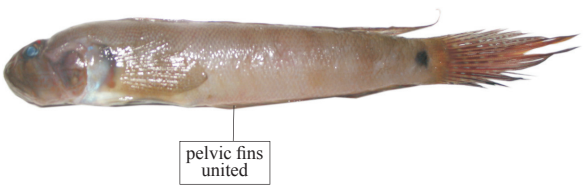


Xiphasia setifer



FAMILY GOBIDAE

Favonigobius reichei

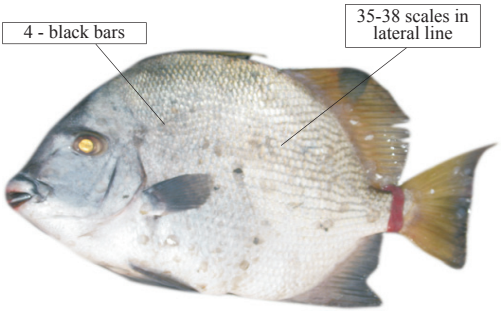


Oxyurichthys papuensis

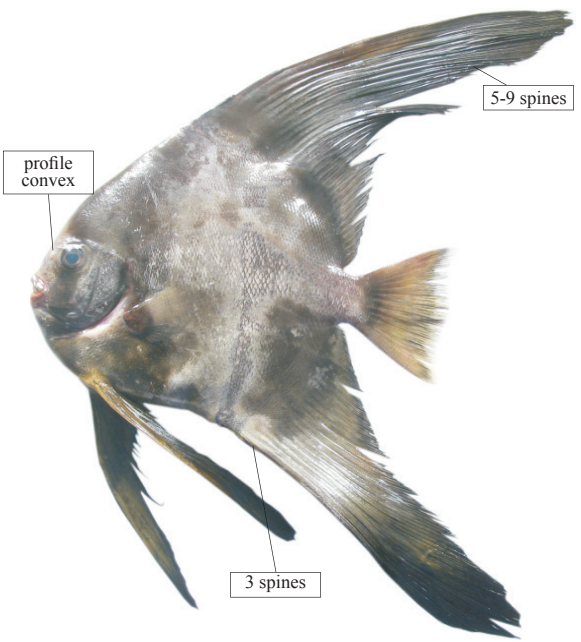


FAMILY EPHIPPIDAE

Ephippus orbis



Platax teira (Juvenile)

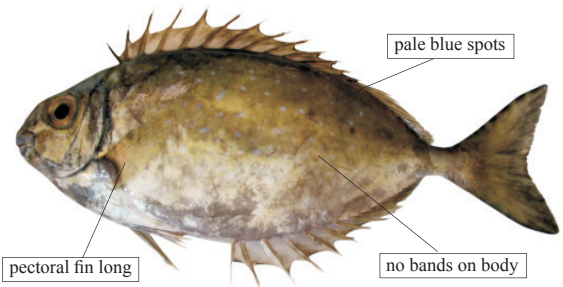


Platax teira (Adult)

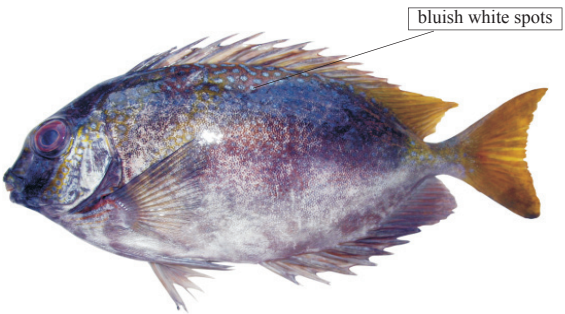


FAMILY SIGANIDAE

Siganus canaliculatus



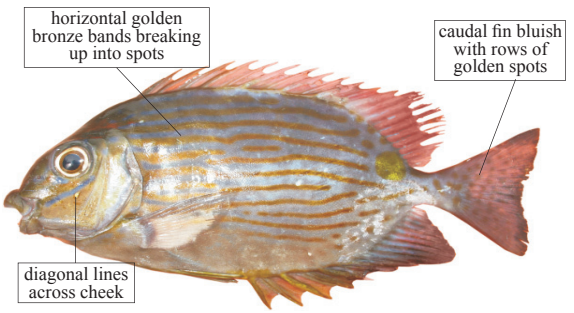
Siganus fuscescens



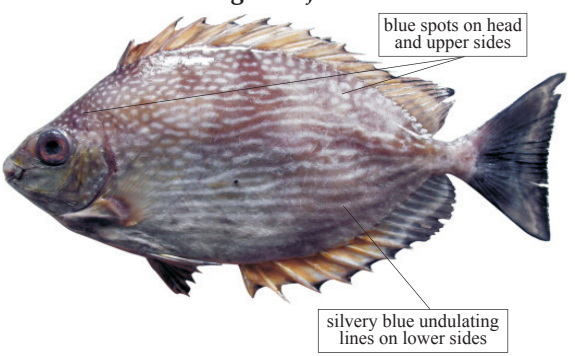
Siganus guttatus



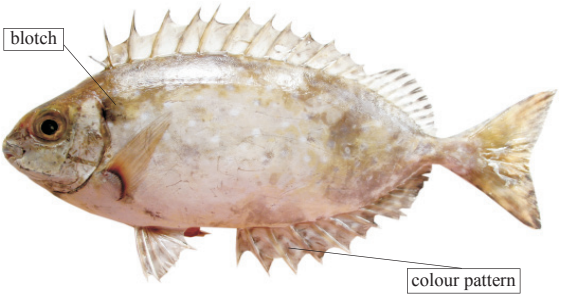
Siganus insomnis



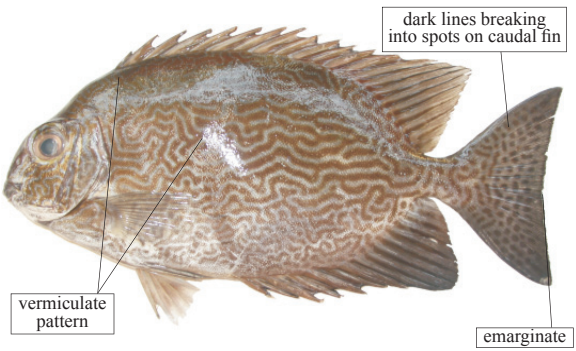
Siganus javus



Siganus sutor

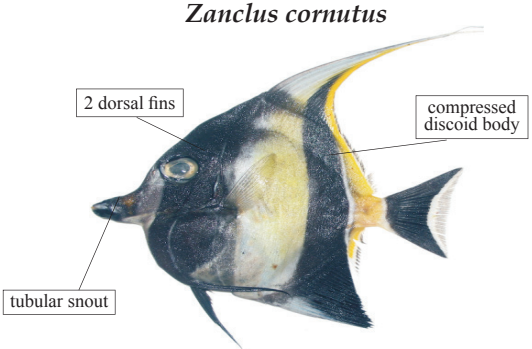


Siganus vermiculatus



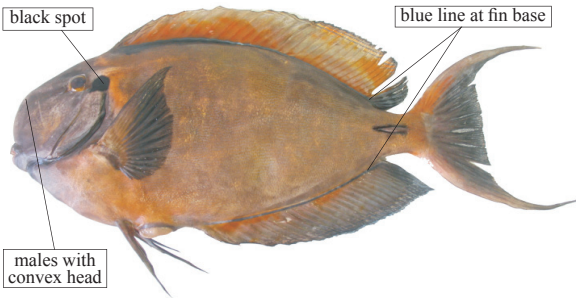
FAMILY ZANCLIDAE

Zanclus cornutus

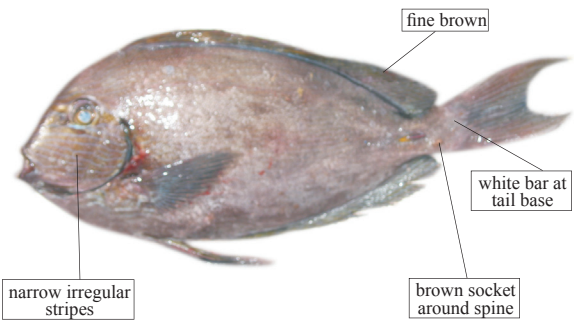


FAMILY ACANTHURIDAE

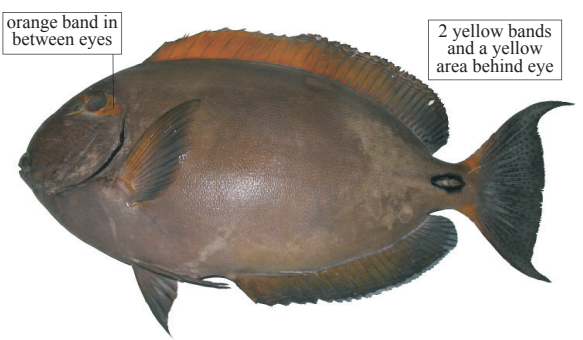
Acanthurus bariene



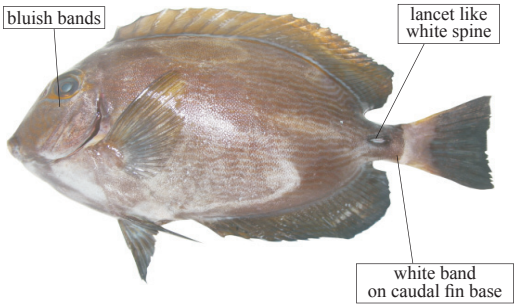
Acanthurus blochii



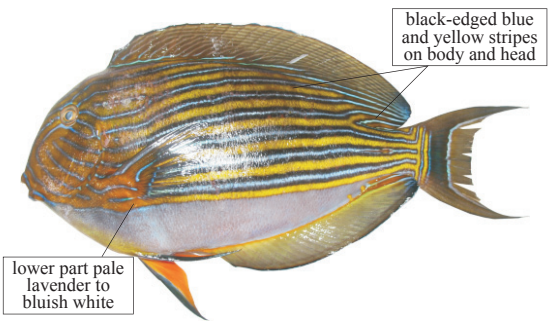
Acanthurus dussumieri



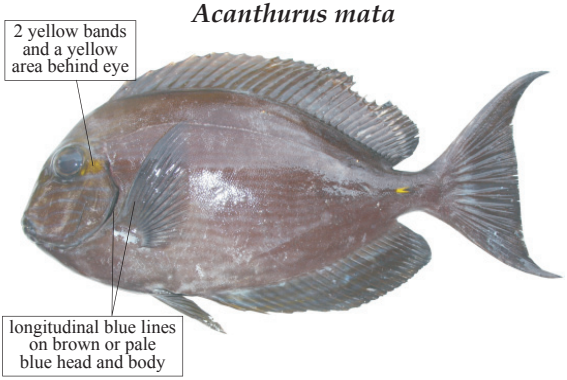
Acanthurus grammoptilus



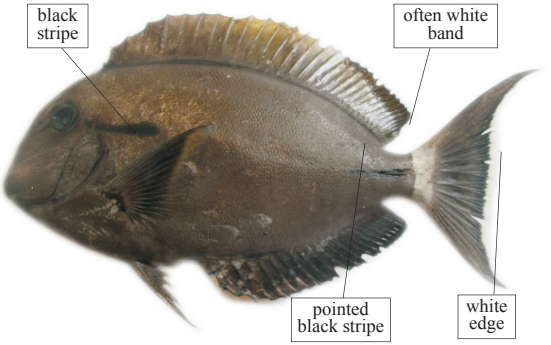
Acanthurus lineatus



Acanthurus mata



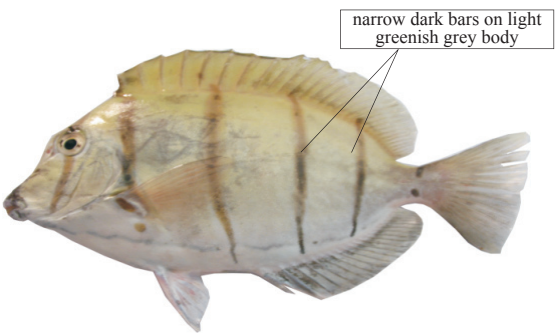
Acanthurus nigricauda



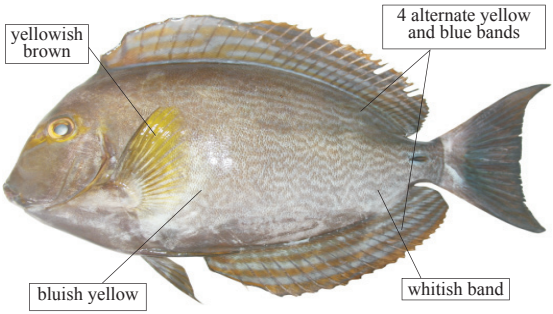
Acanthurus tennentii



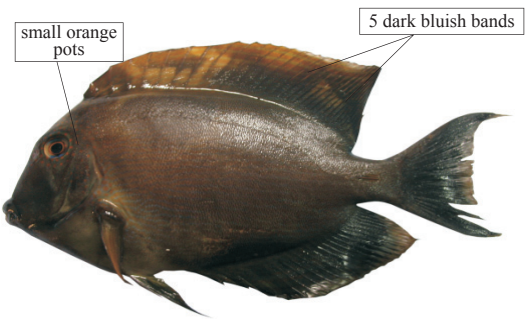
Acanthurus triostegus



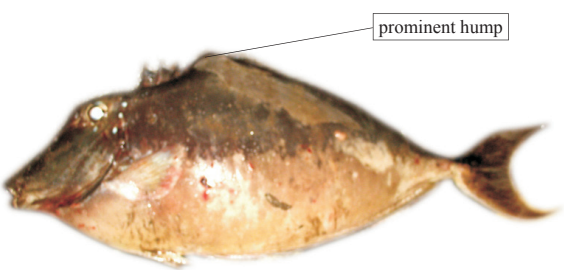
Acanthurus xanthopterus



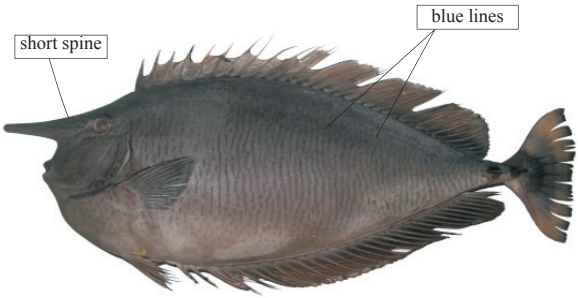
Ctenochaetus striatus



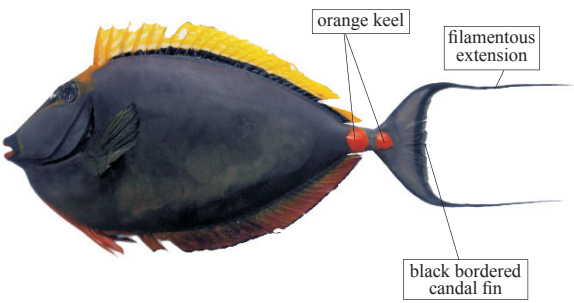
Naso brachycentron



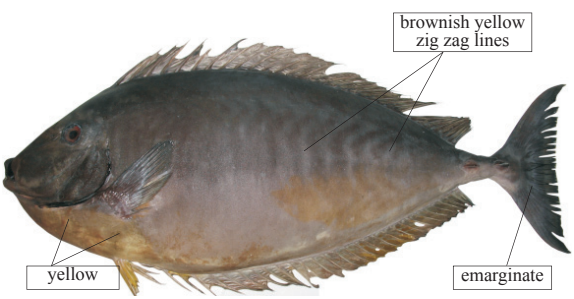
Naso brevirostris



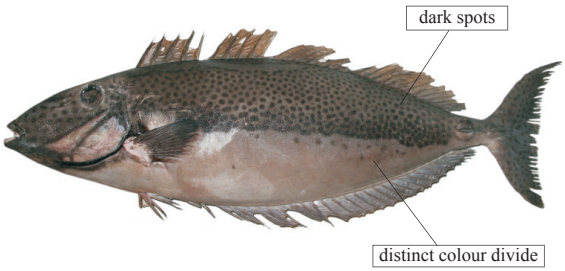
Naso elegans



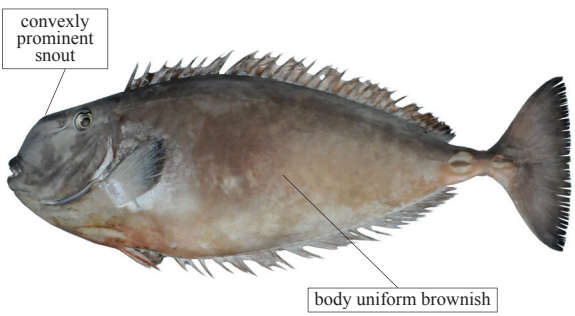
Naso hexacanthus



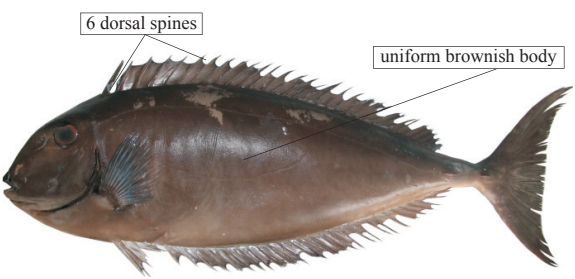
Naso lopezi



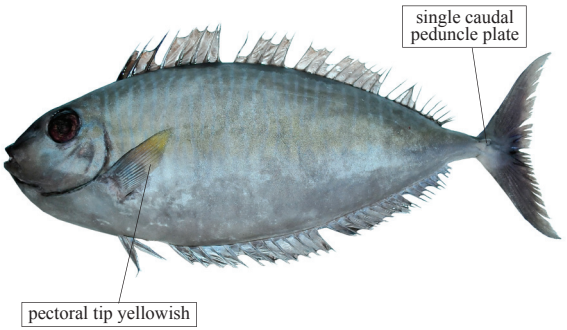
Naso mcdadei



Naso tergus



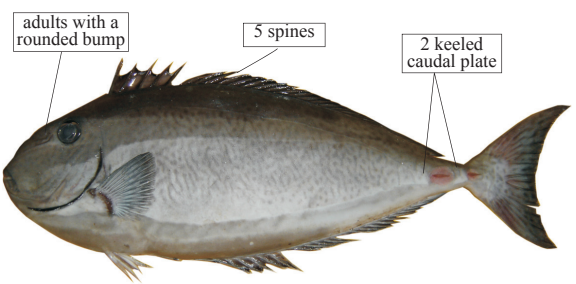
Naso thynnoides



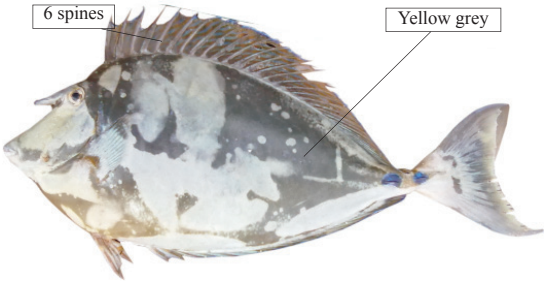
Naso tonganus



Naso tuberosus



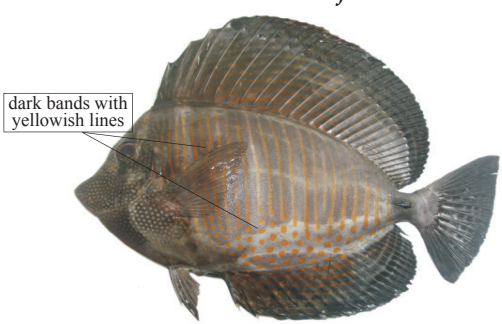
Naso unicornis



Naso vlamingii

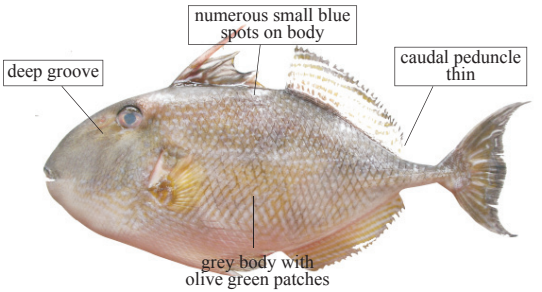


Zebrasoma velifer

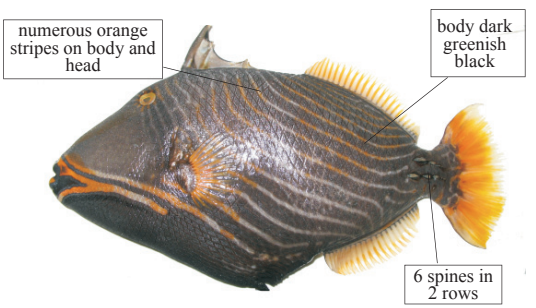


ORDER TETRAODONTIFORMES
FAMILY BALISTIDAE

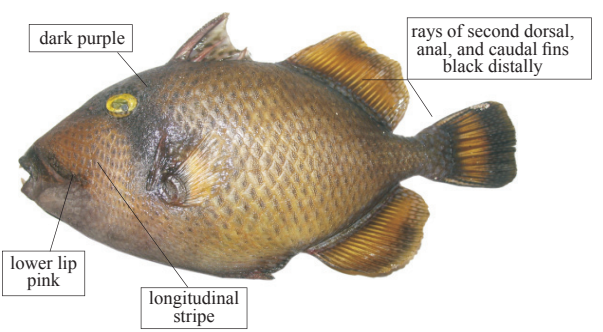
Abalistes stellatus



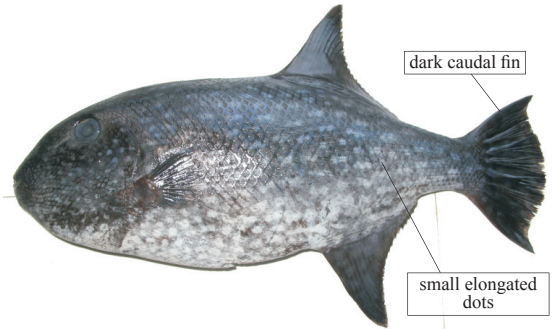
Balistapus undulatus



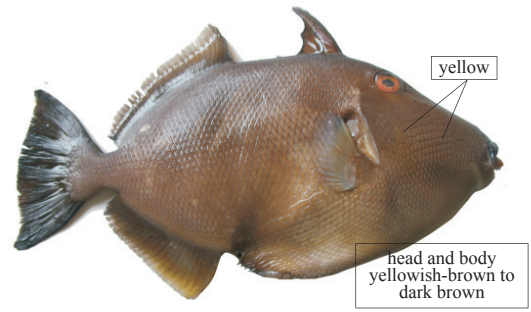
Balistoides viridescens



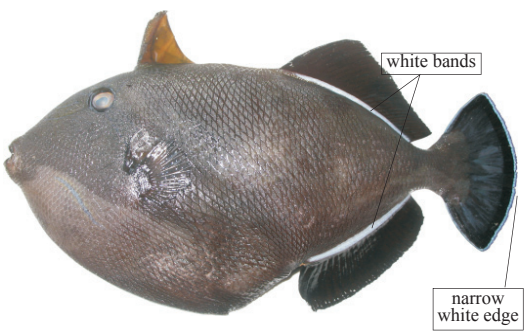
Canthidermis maculata



Sufflamen fraenatum



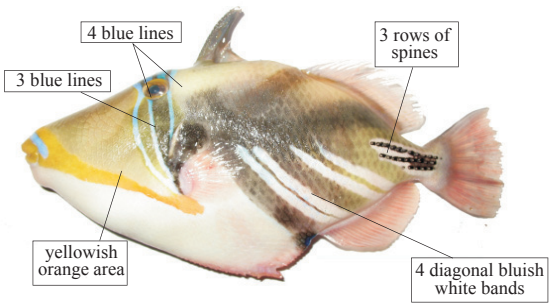
Melichthys indicus



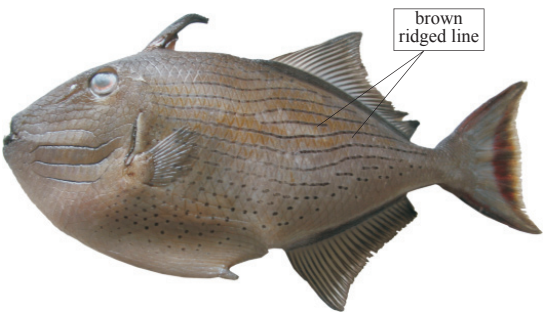
Odonus niger



Rhinecanthus aculeatus

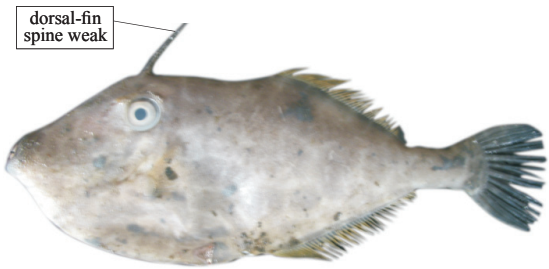


Xanthichthys lineopunctatus

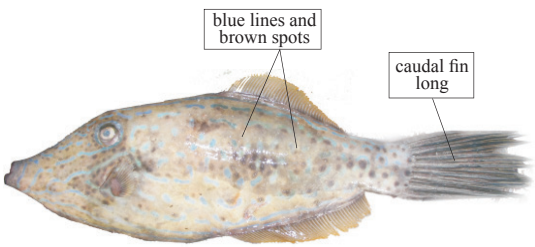


FAMILY MONACANTHIDAE

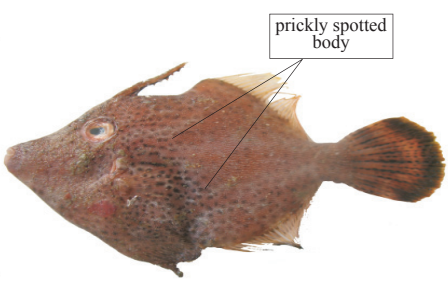
Aluterus monoceros



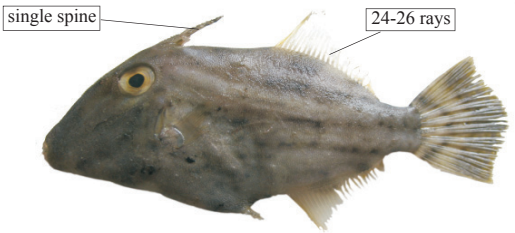
Aluterus scriptus



Lalmohania velutina

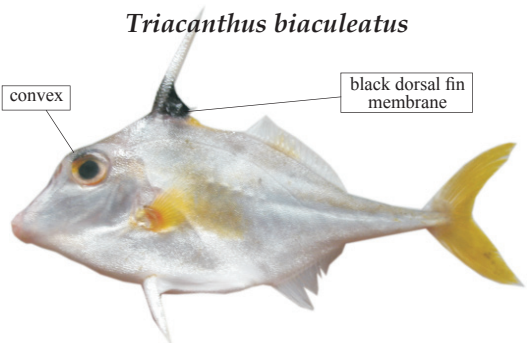


Paramonacanthus frenatus

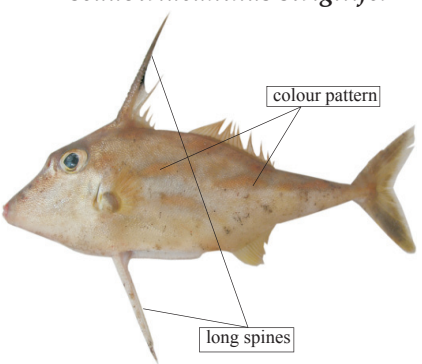


FAMILY TRIACANTHIDAE

Triacanthus biaculeatus



Pseudotriacanthus strigilifer

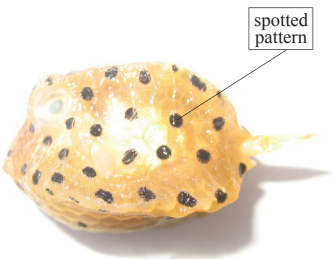


FAMILY OSTRACIIDAE

Lactoria cornuta



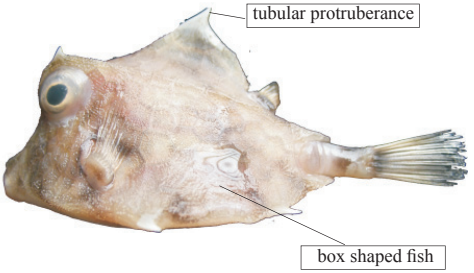
Ostracion cubicus



Ostracion nasus



Tetrosomus gibbosus

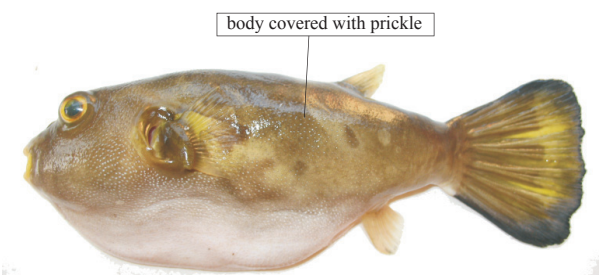


FAMILY TETRADONTIDAE

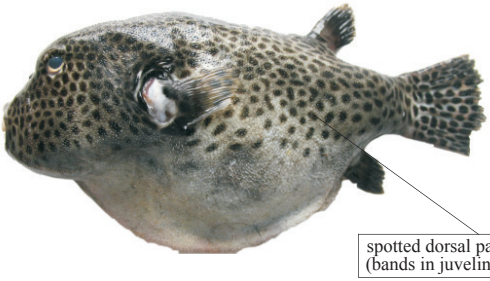
Arothron hispidus



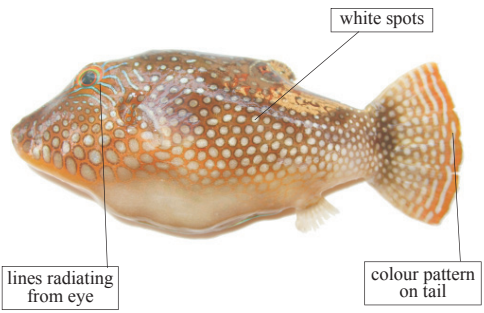
Arothron immaculatus



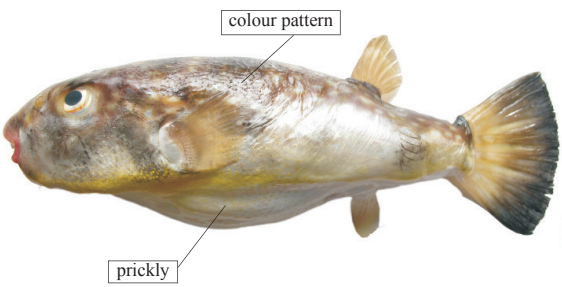
Arothron stellatus



Canthigaster solandri



Chelonodon patoca



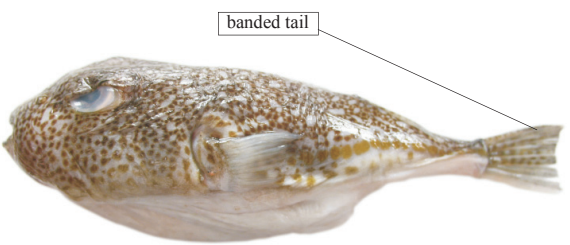
Lagocephalus inermis



Torquigener brevipinnis

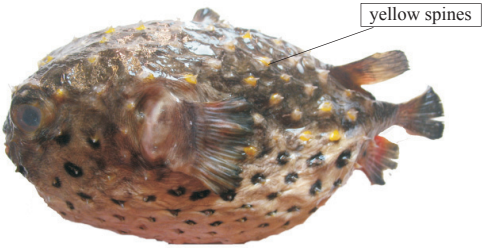


Torquigener flavimaculosus



FAMILY DIODONTIDAE

Cyclichthys spilostylus



Diodon hystrix



LIST OF FISHES INCLUDED IN THE BOOK

FAMILY	SCIENTIFIC NAME	COMMON NAME
STEGOSTOMATIDAE	*Stegostoma fasciatum* (Hermann 1783)	ZEBRA SHARK
HEMISCYLLIDAE	*Chiloscyllium griseum* Müller & Henle 1838	GREY BAMBOO SHARK
	Chiloscyllium punctatum Müller & Henle 1838	BROWNBANDED BAMBOOSHARK
CARCHARHINIDAE	*Carcharhinus melanopterus* (Quoy & Gaimard, 1824)	BLACKTIP REEF SHARK
DASYATIDAE	*Himantura uarnak* (Gmelin 1789).	BANDED WHIP-TAIL STINGRAY
	Himantura gerrardi (Gray 1851)	GERRARD'S STING RAY
	Himantura undulata (Bleeker 1852)	LEOPARD WHIPRAY
	Neotrygon kuhlii (Müller &Henle 1841)	BLUE-SPOTTED STING RAY
	Pastinachus sephen (Forsskål 1775)	COWTAIL RAY
	Taeniura meyeni Müller &Henle 1841	ROUND RIBBONTAIL RAY
MYLIOBATIDAE	*Aetobatus narinari* (Euphrasen 1790)	SPOTTED EAGLE RAY
	Aetobatus flagellum (Bloch & Schneider, 1801)	LONGHEADED EAGLE RAY
	Aetomylaeus nichofii (Bloch & Schneider 1801)	BANDED EAGLE RAY
RHINIDAE	*Rhina ancylostoma* Bloch & Schneider 1801	BOW-MOUTHED ANGEL FISH
MURAENIDAE	*Gymnothorax reticularis* Bloch 1795	BANDED MORAY
	Gymnothorax flavimarginatus (Rüppell 1830)	YELLOW EDGED MORAY
	Strophidon sathete (Hamilton 1822)	SLENDER GIANT MORAY
PLOTOSIDAE	*Plotosus lineatus* (Thunberg 1787)	STRIPED EEL CATFISH
SYNODONTIDAE	*Saurida tumbil* (Bloch 1795)	GREATER LIZARDFISH
	Saurida undosquamis (Richardson 1848)	BRUSHTOOTH LIZARDFISH
	Synodus variegatus (Lacepède 1803)	ENGLEMAN'S LIZARDFISH
	Trachinocephalus myops (Forster 1801)	SNAKE FISH
ANTENNARIIDAE	*Antennarius striatus* (Shaw 1794)	STRIATED FROGFISH
	Antennarius pictus (Shaw 1794)	PAINTED FROGFISH
	Histrio histrio (Linnaeus 1758)	SARGASSUMFISH
ATHERINIDAE	*Atherinomorus duodecimalis* (Valenciennes 1835)	TROPICAL SILVERSIDE
HEMIRAMPHIDAE	*Hemiramphus far* (Forsskål 1775)	BLACK-BARRED HALFBEAK
	Hyporhamphus dussumieri (Valenciennes 1847)	DUSSUMIER'S HALFBEAK
BELONIDAE	*Tylosurus crocodilus* (Péron & Lesueur 1821)	HOUND NEEDLEFISH
BERYCIDAE	*Centroberyx rubricaudus* Liu &Shen 1985	
	Beryx splendens Lowe 1834	SPLENDID ALFONSINO
HOLOCENTRIDAE	*Myripristis adusta* Bleeker 1853	SHADOWFIN SOLDIERFISH
	Myripristis botche Cuvier 1829	BLACKTIP SOLDIERFISH
	Myripristis formosa Randall & Greenfield 1996	
	Myripristis greenfieldi Randall &Yamakawa 1996	
	Myripristis seychellensis Cuvier 1829	SEYCHELLES SOLDIER
	Neoniphon sammara (Forsskål 1775)	SAMMARA SQUIRRELFISH
	Ostichthys acanthorhinus Randall, Shimizu & Yamakawa1982	SPINESNOUT SQUIRRELFISH
	Sargocentron caudimaculatum (Rüppell 1838).	SILVERSPOT SQUIRRELFISH
	Sargocentron rubrum (Forsskål 1775)	REDCOAT
	Sargocentron spiniferum (Forsskål 1775)	SABRE SQUIRRELFISH
	Sargocentron violaceum (Bleeker 1853)	VIOLET SQUIRRELFISH
SOLENOSTOMIDAE	*Solenostomus cyanopterus* Bleeker 1854	GHOST PIPEFISH
SYNGNATHIDAE	*Corythoichthys flavofasciatus* (Rüppell 1838)	
FISTULARIDAE	*Fistularia petimba* Lacepède 1803	CORNET FISH
	Fistularia commersonii Rüppell 1838	BLUE SPOTTED RED CORNETFISH
CENTRISCIDAE	*Centriscus scutatus* Linnaeus 1758	GROOVED RAZOR-FISH
APISTIDAE	*Apistus carinatus* (Bloch & Schneider 1801)	OCELLATED WASPFISH
SCORPAENIDAE	*Choridactylus multibarbus* Richardson 1848	ORANGE BANDED STINGFISH
	Dendrochirus brachypterus (Cuvier 1829)	SHORTFIN TURKEYFISH
	Parascorpaena picta (Cuvier 1829)	PAINTED STINGFISH
	Pontinus macrocephalus (Sauvage 1882)	LARGE-HEADED SCORPIONFISH
	Pontinus nigerimum Eschmeyer 1983	BLACKLASH SCORPIONFISH
	Pterois lunulata Temminck & Schlegel 1843	LUNA LION FISH

	Pterois mombasae (Smith 1957)	FRILLFIN TURKEYFISH
	Pterois miles (Bennett 1828)	DEVIL FIREFISH
	Pterois russelii Bennett 1831	PLAINTAIL TURKEYFISH
SYNANCEIIDAE	*Inimicus didactylus* (Pallas 1769)	BEARDED GHOUL
	Minous dempsterae Eschmeyer, Hallacher & Rama-Rao 1979	OBLIQUEBANDED STINGFISH
	Minous monodactylus (Bloch & Schneider 1801)	GREY STINGFISH
	Trachicephalus uranoscopus (Bloch & Schneider 1801)	STARGAZING STONEFISH
DACTYLOPTERIDAE	*Dactyloptena orientalis* (Cuvier 1829)	ORIENTAL FLYING GURNARD
SYMPHYSANODONTIDAE	*Symphysanodon typus* Bleeker 1878	INSULAR SHELF BEAUTY
SERRANIDAE	*Aethaloperca rogaa* (Forsskål 1775)	REDMOUTH GROUPER
	Anyperodon leucogrammicus (Valenciennes 1828)	SLENDER GROUPER
	Cephalopholis argus Schneider 1801	PEACOCK HIND
	Cephalopholis aurantia (Valenciennes 1828)	GOLDEN HIND
	Cephalopholis cyanostigma (Valenciennes 1828)	BLUESPOTTED HIND
	Cephalopholis formosa (Shaw 1812)	BLUELINED HIND
	Cephalopholis miniata (Forsskål 1775)	CORAL HIND
	Cephalopholis sonnerati (Valenciennes 1828)	TOMATO HIND
	Cephalopholis urodeta (Forster 1801)	DARKFIN HIND
	Cephalopholis sexmaculata (Rüppell 1830)	SIXBLOTCH HIND
	Chelidoperca pleurospilus (Günther 1880)	
	Chelidoperca investigatoris (Alcock 1890)	
	Cromileptes altivelis (Valenciennes 1828)	HUMPBACK GROUPER
	Epinephelus albomarginatus Boulenger 1903	WHITE-EDGED GROUPER
	Epinephelus areolatus (Forsskål 1775)	AEROLATE GROUPER
	Epinephelus bleekeri (Vaillant 1878)	DUSKY-TAIL GROUPER
	Epinephelus chabaudi (Castelnau 1861)	MOUSTACHE GROUPER
	Epinephelus chlorostigma (Valenciennes 1828)	BROWN-SPOTTED GROUPER
	Epinephelus coeruleopunctatus (Bloch 1790)	WHITESPOTTED GROUPER
	Epinephelus coioides (Hamilton 1822)	ORANGE-SPOTTED GROUPER
	Epinephelus diacanthus (Valenciennes 1828)	SPINYCHEEK GROUPER
	Epinephelus epistictus (Temminck& Schlegel 1842)	DOTTED GROUPER
	Epinephelus fasciatus (Forsskål 1775)	BLACKTIP GROUPER
	Epinephelus faveatus (Valenciennes 1828)	BARRED-CHEST GROUPER
	Epinephelus flavocaeruleus (Lacepède 1802)	BLUE-AND-YELLOW GROUPER
	Epinephelus fuscoguttatus (Forsskål 1775)	BROWN-MARBLED GROUPER
	Epinephelus lanceolatus (Bloch 1790)	GIANT GROUPER
	Epinephelus latifasciatus (Temminck& Schlegel 1842)	STRIPED GROUPER
	Epinephelus longispinis (Kner 1864)	LONGSPINE GROUPER
	Epinephelus malabaricus (Bloch & Schneider 1801)	MALABAR GROUPER
	Epinephelus melanostigma Schultz 1953	ONE-BLOTCH GROUPER
	Epinephelus merra Bloch 1793	HONEYCOMB GROUPER
	Epinephelus morrhua (Valenciennes1833)	COMET GROUPER
	Epinephelus miliaris (Valenciennes 1830)	NETFIN GROUPER
	Epinephelus ongus (Bloch 1790)	WHITE-STREAKED GROUPER
	Epinephelus poecilonotus (Temminck & Schlegel 1842)	DOT-DASH GROUPER
	Epinephelus polyphekadion (Bleeker 1849)	CAMOUFLAGE GROUPER
	Epinephelus quoyanus (Valenciennes 1830)	LONGFIN GROUPER
	Epinephelus radiatus (Day 1868)	OBLIQUE-BANDED GROUPER
	Epinephelus spilotoceps Schultz 1953	FOURSADDLE GROUPER
	Epinephelus tauvina (Forsskål 1775)	GREASY GROUPER
	Epinephelus undulosus (Quoy&Gaimard 1824)	WAVYLINED GROUPER
	Hyporthodus octofasciatus (Griffin 1926)	EIGHTBAR GROUPER
	Liopropoma lunulatum (Guichenot 1863)	
	Liopropoma randalli Akhilesh, Bineesh & White 2012	
	Odontanthias rhodopeplus (Günther 1872)	
	Plectropomus areolatus (Rüppell 1830)	SQUARETAIL CORAL GROUPER
	Plectropomus leopardus (Lacepède 1802)	LEOPARD CORAL GROUPER
	Plectropomus laevis (Lacepède 1801)	BLACKSADDLED CORALGROUPER
	Pseudanthias marcia Randall & Hoover 1993	MARCIA'S ANTHIAS

	Pseudanthias pillai Heemstra & Akhilesh 2012	
	Pogonoperca ocellata Günther 1859	
	Sacura boulengeri (Heemstra 1973)	BOULENGER'S ANTHIAS
	Variola albimarginata Baissac 1953	WHITE-EDGEDLYRETAIL
	Variola louti (Forsskål 1775)	YELLOW-EDGED LYRETAIL
PLESIOPIDAE	*Plesiops corallicola* Bleeker 1853	BLUE GILL LONGFIN
OPISTOGNATHIDAE	*Opistognathus rosenbergii* Bleeker 1856	ROSENBERG'S JAWFISH
	Opistognathus nigromarginatus Rüppell 1830	BIRDLED JAWFISH
PRIACANTHIDAE	*Cookeolus japonicus* (Cuvier 1829)	LONGFIN BIGEYE
	Heteropriacanthus cruentatus (Lacepède 1801)	GLASSEYE
	Priacanthus hamrur (Forsskål 1775)	MOONTAIL BULLSEYE
	Pristigenys refulgens (Valenciennes 1862)	BLACKFRINGE BIGEYE
APOGONIDAE	*Apogon ellioti* Day 1875	FLAG IN CARDINAL FISH
	Apogon queketti Gilchrist 1903	SPOTFIN CARDINAL
	Apogonichthyoides nigripinnis (Cuvier 1828)	BULLSEYE
	Apogonichthyoides pseudotaeniatus (Gon 1986)	DOUBLEBAR CARDINALFISH
	Holapogon maximus (Boulenger 1888)	TITAN CARDINALFISH
	Ostorhinchus fasciatus (Shaw 1790)	BROADBANDED CARDINALFISH
	Ostorhinchus luteus (Randall &Kulbicki 1998)	YELLOW CARDINALFISH
	Ostorhinchus fleurieu Lacepède 1802	CARDINALFISH
	Pristiapogon fraenatus (Valenciennes 1832)	BRIDLED CARDINALFISH
	Sphaeramia orbicularis (Cuvier 1828)	ORBICULATE CARDINALFISH
CARANGIDAE	*Alectis ciliaris* (Bloch 1787)	AFRICAN POMPANO
	Alectis indica (Rüppell 1830)	INDIAN THREADFISH
	Atropus atropos (Bloch & Schneider 1801)	CLEFTBELLY TREVALLY
	Caranx heberi (Bennett 1830)	BLACKTIP TREVALLY
	Elagatis bipinnulata (Quoy&Gaimard 1825)	RAINBOW RUNNER
	Gnathanodon speciosus (Forsskål 1775)	GOLDEN TREVALLY
	Seriolina nigrofasciata (Rüppell 1829)	BLACKBANDED TREVALLY
	Scomberoides commersonnianus Lacepède 1801	TALANG QUEENFISH
LUTJANIDAE	*Aphareus furca* (Lacepède 1801)	SMALL TOOTHED JOBFISH
	Aprion virescens Valenciennes 1830	GREEN JOBFISH
	Lipocheilus carnolabrum (Chan 1970)	TANG'S SNAPPER
	Lutjanus argentimaculatus (Forsskål 1775)	MANGROVE RED SNAPPER
	Lutjanus bengalensis (Bloch 1790)	BENGAL SNAPPER
	Lutjanus biguttatus (Valenciennes 1830)	TWO-SPOT BANDED SNAPPER
	Lutjanus bohar (Forsskål 1775)	TWO-SPOT RED SNAPPER
	Lutjanus coeruleolineatus (Rüppell 1838)	BLUELINE SNAPPER
	Lutjanus decussatus (Cuvier 1828)	CHECKERED SNAPPER
	Lutjanus dodecacanthoides (Bleeker 1854)	SUNBEAM SNAPPER
	Lutjanus erythropterus Bloch 1790	CRIMSON SNAPPER
	Lutjanus fulviflamma (Forsskål 1775)	DORY SNAPPER
	Lutjanus fulvus (Forster 1801)	BLACKTAIL SNAPPER
	Lutjanus gibbus (Forsskål 1775)	HUMPBACK RED SNAPPER
	Lutjanus indicus Allen, White & Erdmann 2013	
	Lutjanus johnii (Bloch 1792)	JOHN'S SNAPPER
	Lutjanus kasmira (Forsskål 1775)	COMMON BLUESTRIPE SNAPPER
	Lutjanus lunulatus (Park 1797)	LUNARTAIL SNAPPER
	Lutjanus lutjanus Bloch 1790	BIGEYE SNAPPER
	Lutjanus malabaricus (Bloch & Schneider 1801)	MALABAR BLOOD SNAPPER
	Lutjanus quinquelineatus (Bloch 1790)	FIVE-LINED SNAPPER
	Lutjanus rivulatus (Cuvier 1828)	BLUBBERLIP SNAPPER
	Lutjanus vitta (Quoy & Gaimard 1824)	BROWNSTRIPE RED SNAPPER
	Macolor macularis Fowler 1931	MIDNIGHT SNAPPER
	Paracaesio sordida Abe & Shinohara 1962	DIRTY ORDURE SNAPPER
	Pinjalo lewisi Randall, Allen & Anderson 1987	SLENDER PINJALO
	Pinjalo pinjalo (Bleeker 1850)	PINJALO
	Pristipomoides auricilla (Jordan, Evermann& Tanaka 1927)	GOLDFLAG JOBFISH

	Pristipomoides filamentosus (Valenciennes 1830)	CRIMSON JOBFISH
	Pristipomoides typus Bleeker 1852	SHARPTOOTH JOBFISH
CAESIONIDAE	*Caesio caerulaurea* Lacepède 1801	BLUE AND GOLD FUSILIER
	Caesio cuning (Bloch 1791)	REDBELLY YELLOWTAIL FUSILIER
	Caesio varilineata Carpenter 1987	VARIABLE-LINED FUSILIER
	Caesio xanthonotus Bleeker 1853	YELLOWBACK FUSILIER
	Pterocaesio chrysozona (Cuvier 1830)	GOLDBAND FUSILIER
HAEMULIDAE	*Diagramma pictum* (Thunberg 1792)	PAINTED SWEETLIPS
	Plectorhinchus albovittatus (Rüppell 1838)	TWO-STRIPED SWEETLIPS
	Plectorhinchus chaetodonoides Lacepède1801	HARLEQUIN SWEETLIPS
	Plectorhinchus chubbi (Regan 1919)	DUSKY RUBBERLIP
	Plectorhinchus gaterinus (Forsskål 1775)	BLACKSPOTTED RUBBERLIP
	Plectorhinchus gibbosus (Lacepède 1802)	HARRY HOTLIPS
	Plectorhinchus sordidus (Klunzinger 1870)	SORDID RUBBERLIP
	Plectorhinchus vittatus (Linnaeus 1758)	INDIAN OCEAN ORIENTAL SWEETLIPS
	Pomadasys guoraca (Cuvier 1829)	
	Pomadasys furcatus (Bloch & Schneider 1801)	BANDED GRUNTER
	Pomadasys maculatus (Bloch 1793)	SADDLE GRUNT
NEMIPTERIDAE	*Nemipterus bipunctatus* (Valenciennes 1830)	DELAGOA THREADFIN BREAM
	Nemipterus zysron (Bleeker 1856)	SLENDER THREADFIN BREAM
	Parascolopsis aspinosa (Rao & Rao 1981)	SMOOTH DWARF MONOCLE BREAM
	Parascolopsis baranesi (Russell & Golani 1993)	
	Parascolopsis capitinis (Russell 1996)	
	Parascolopsis eriomma (Jordan & Richardson 1909)	ROSY DWARF MONOCLE BREAM
	Parascolopsis inermis (Temminck & Schlegel 1843)	UNARMED DWARF MONOCLE BREAM
	Scolopsis aurata (Park 1797)	YELLOWSTRIPE MONOCLE BREAM
	Scolopsis bimaculata (Rüppell1828)	THUMBPRINT MONOCLE BREAM
	Scolopsis ciliata (Lacepède 1892)	SAW-JAWED MONOCLE BREAM
	Scolopsis vosmeri (Bloch 1792)	WHITECHEEK MONOCLE BREAM
LETHRINIDAE	*Gnathodentex aurolineatus* (Lacepède 1802)	STRIPED LARGE-EYE BREAM
	Gymnocranius elongatus Senta 1973	FORKTAIL LARGE-EYE BREAM
	Gymnocranius grandoculis (Valenciennes 1830)	BLUE-LINED LARGE-EYE BREAM
	Lethrinus barbonicus (Valenciennes 1830)	SNUBNOSE EMPEROR
	Lethrinus conchyliatus (Smith 1959)	REDAXIL EMPEROR
	Lethrinus erythracanthus (Valenciennes 1830)	ORANGE-SPOTTED EMPEROR
	Lethrinus harak (Forsskål 1775)	THUMBPRINTEMPEROR
	Lethrinus mahsena (Forsskål 1775)	SKY EMPEROR
	Lethrinus nebulosus (Forsskål 1775)	SPANGLED EMPEROR
	Lethrinus olivaceus Valenciennes 1830	LONGFACE EMPEROR
	Lethrinus ornatus Valenciennes 1830	ORNATE EMPEROR
	Lethrinus lentjan (Lacepède 1802)	PINK EAR EMPEROR
	Monotaxis grandoculis (Forsskål 1775)	HUMPNOSE BIG-EYE BREAM
	Wattsia mossambica (Smith 1957)	MOZAMBIQUE LARGE-EYE BREAM
SPARIDAE	*Argyrops spinifer* (Forsskål 1775)	KING SOLDIER BREAM
	Rhabdosargus sarba (Forsskål 1775)	GOLDLINED SEABREAM
MULLIDAE	*Mulloidichthys pflugeri* (Steindachner 1900)	ORANGE GOATFISH
	Parupeneus cyclostomus (Lacepède 1801)	GOLD-SADDLE GOATFISH
	Parupeneus heptacanthus (Lacepède 1802)	CINNABAR GOATFISH
	Parupeneus indicus (Shaw 1803)	INDIAN GOATFISH
	Parupeneus macronemus (Lacepède 1801)	LONG-BARBEL GOATFISH
	Parupeneus trifasciatus (Lacepède 1801)	DOUBLEBAR GOATFISH
	Upeneus japonicus (Houttuyn 1782)	BENSASI GOATFISH
	Upeneus moluccensis (Bleeker1855)	GOLDBAND GOATFISH
	Upeneus tragula (Richardson1846)	FRECKLED GOATFISH
	Upeneus vittatus (Forsskål 1775)	YELLOWSTRIPED GOATFISH
PEMPHERIDAE	*Pempheris adusta* (Bleeker 1877)	DUSKY SWEEPER
MONODACTYLIDAE	*Monodactylus argenteus* (Linnaeus 1758)	SILVER MOONY
TOXOTIDAE	*Toxotes jaculatrix* (Pallas 1767)	BANDED ARCHERFISH

KYPHOSIDAE	*Kyphosus cinerascens* (Forsskål 1775)	BLUE SEA CHUB
	Kyphosus vaigiensis (Quoy & Gaimard 1825)	BRASSY CHUB
SCATOPHAGIDAE	*Scatophagus argus* (Linnaeus 1766)	SPOTTED SCAT
DREPANEIDAE	*Drepane punctata* (Linnaeus 1758)	SPOTTED SICKLEFISH
CHAETODONTIDAE	*Chaetodon collare* (Bloch 1787)	REDTAIL BUTTERFLYFISH
	Chaetodon auriga (Forsskål 1775)	THREADFIN BUTTERFLYFISH
	Chaetodon decussatus (Cuvier 1829)	INDIAN VAGABOND BUTTERFLYFISH
	Chaetodon falcula (Bloch 1795)	BLACKWEDGED BUTTERFLYFISH
	Chaetodon gardineri (Norman 1939)	GARDNER'S BUTTERFLYFISH
	Chaetodon lunulatus (Quoy & Gaimard 1825)	OVAL BUTTERFLYFISH
	Chaetodon octofasciatus (Bloch 1787)	EIGHTBAND BUTTERFLYFISH
	Chaetodon trifasciatus (Park 1797)	MELON BUTTERFLYFISH
	Heniochus acuminatus (Linnaeus 1758)	PENNANT CORALFISH
	Heniochus monoceros (Cuvier 1831)	MASKED BANNERFISH
	Roa excelsa (Jordan 1921)	HAWAIIAN GOLD-BARRED BUTTERFLYFISH
POMACANTHIDAE	*Apolemichthys xanthurus* (Bennett 1833)	YELLOWTAIL ANGELFISH
	Pomacanthus annularis (Bloch 1787)	BLUE RING ANGELFISH
	Pomacanthus imperator (Bloch 1787)	EMPEROR ANGELFISH
	Pomacanthus semicirculatus (Cuvier 1831)	SEMICIRCLE ANGELFISH
PENTACEROTIDAE	*Histiopterus typus* Temminck & Schlegel 1844	SAILFIN ARMOURHEAD
TERAPONTIDAE	*Pelates quadrilineatus* (Bloch 1790)	FOURLINED TERAPON
	Terapon jarbua (Forsskål1775)	JARBUA TERAPON
	Terapon theraps Cuvier 1829	LARGESCALED TERAPON
KUHLIIDAE	*Kuhlia mugil* (Forster 1801)	BARRED FLAGTAIL
CIRRHITIDAE	*Cirrhitichthys* bleekeri Day1874	
POMACENTRIDAE	*Abudefduf sordidus* (Forsskål 1775)	BLACKSPOT SERGEANT
	Abudefduf saxatilis (Linnaeus 1758)	SERGEANT-MAJOR
	Abudefduf vaigiensis (Quoy & Gaimard 1825)	INDO-PACIFIC SERGEANT
	Amphiprion clarkii (Bennett 1830)	YELLOWTAIL CLOWNFISH
	Amphiprion sebae Bleeker 1853	SEBAE ANEMONEFISH
	Amphiprion percula (Lacepède 1802)	ORANGE CLOWNFISH
	Dascyllus aruanus (Linnaeus 1758)	WHITETAIL DASCYLLUS
	Dascyllus trimaculatus (Rüppell 1829)	THREESPOT DASCYLLUS
	Dascyllus melanurus Bleeker 1854	BLACKTAIL HUMBUG
	Dischistodus perspicillatus (Cuvier 1830)	WHITE DAMSEL
	Neoglyphidodon melas (Cuvier 1830)	BOWTIE DAMSELFISH
	Pristotis obtusirostris (Günther 1862)	GULF DAMSELFISH
	Stegastes fasciolatus (Ogilby 1889)	PACIFIC GREGORY
	Stegastes nigricans (Lacepède 1802)	DUSKY FARMERFISH
LABRIDAE	*Bodianus neilli* (Day 1867)	BAY OF BENGAL HOGFISH
	Cheilinus undulatus Rüppell 1835	HUMPHEAD WRASSE
	Cheilinus chlorourus (Bloch 1791)	FLORAL WRASSE
	Cheilinus fasciatus (Bloch, 1791)	REDBREASTED WRASSE
	Choerodon anchorago (Bloch 1791)	ORANGE-DOTTED TUSKFISH
	Choerodon robustus (Günther 1862)	ROBUST TUSKFISH
	Coris centralis Randall 1999	
	Coris formosa (Bennett 1830)	QUEEN CORIS
	Chromis viridis (Cuvier 1830)	BLUE GREEN DAMSELFISH
	Cirrhilabrus aurantidorsalis Allen & Kuiter 1999	ORANGEBACK FAIRY-WARSSE
	Cymolutes praetextatus (Quoy & Gaimard 1834)	KNIFE RAZORFISH
	Gomphosus caeruleus Lacepède 1801	GREEN BIRDMOUTH WRASSE
	Halichoeres hortulanus (Lacepède 1801)	CHECKERBOARD WRASSE
	Halichoeres scapularis (Bennett 1832)	ZIGZAG WRASSE
	Halichoeres zeylonicus (Bennett 1833)	GOLDSTRIPE WRASSE
	Hologymnosus doliatus (Lacepède 1801)	PASTEL RINGWRASSE
	Hemigymnus melapterus (Bloch 1791)	BLACKEYE THICKLIP
	Iniistius cyanifrons (Valenciennes 1840)	

	Iniistius pavo (Valenciennes 1840)	PEACOCK WRASSE
	Iniistius twistii (Bleeker 1856)	REDBLOTCH RAZORFISH
	Labroides dimidiatus (Valenciennes, 1839)	BLUESTREAK CLEANER WRASSE
	Oxycheilinus digramma (Lacepède 1801)	CHEEKLINED WRASSE
	Pteragogus flagellifer (Valenciennes 1839)	COCKTAIL WRASSE
	Stethojulis interrupta (Bleeker 1851)	CUTRIBBON WRASSE
	Thalassoma hardwicke (Bennett 1830)	SIXBAR WRASSE
	Thalassoma lunare (Linnaeus 1758)	MOON WRASSE
	Xiphocheilus typus Bleeker, 1856	BLUE-BANDED WRASSE
SCARIDAE	*Scarus ghobban* Forsskål 1775	BLUE-BARRED PARROTFISH
	Scarus rubroviolaceus Bleeker 1847	EMBER PARROTFISH
SPHYRAENIDAE	*Sphyraena iburiensis* Doiuchi & Nakabo 2005	
PINGUIPEDIDAE	*Parapercis alboguttata* (Günther1872)	WHITESPOT SANDSMELT
	Parapercis hexophtalma (Cuvier 1829)	
	Parapercis pulchella (Temminck & Schlegel 1843)	HARLEQUIN SANDSMELT
PERCOPHIDAE	*Bembrops caudimacula* Steindachner 1876	
BLENNIIDAE	*Petroscirtes breviceps* (Valenciennes 1836)	STRIPED POISON-FANG BLENNY MIMIC
	Xiphasia setifer Swainson 1839	HAIRTAIL BLENNY
GOBIDAE	*Favonigobius reichei* (Bleeker 1854)	INDO-PACIFIC TROPICAL SAND GOBY
	Oxyurichthys papuensis (Valenciennes 1837)	FROGFACE GOBY
EPHIPPIDAE	*Ephippus orbis* (Bloch 1787)	ORBFISH
	Platax teira (Forsskål 1775)	LONGFIN BATFISH
SIGANIDAE	*Siganus canaliculatus* (Park 1797)	WHITE-SPOTTED SPINEFOOT
	Siganus fuscescens (Houttuyn 1782)	MOTTLED SPINEFOOT
	Siganus guttatus (Bloch 1787)	GOLDLINED SPINEFOOT
	Siganus insomnis Woodland & Anderson 2014	
	Siganus javus (Linnaeus 1766)	STREAKED SPINEFOOT
	Siganus sutor (Valenciennes 1835)	SHOEMAKER SPINEFOOT
	Siganus vermiculatus (Valenciennes 1835)	VERMICULATED SPINEFOOT
ZANCLIDAE	*Zanclus cornutus* (Linnaeus 1758)	MOORISH IDOL
ACANTHURIDAE	*Acanthurus bariene* Lesson 1831	BLACK-SPOT SURGEONFISH
	Acanthurus blochii Valenciennes 1835	RINGTAIL SURGEONFISH
	Acanthurus dussumieri Valenciennes 1835	EYESTRIPE SURGEONFISH
	Acanthurus grammoptilus Richardson 1843	FINELINED SURGEONFISH
	Acanthurus lineatus (Linnaeus 1758)	LINED SURGEONFISH
	Acanthurus mata (Cuvier 1829)	ELONGATE SURGEONFISH
	Acanthurus nigricauda Duncker & Mohr 1929	EPAULETTE SURGEONFISH
	Acanthurus tennentii Günther1861	DOUBLEBAND SURGEONFISH
	Acanthurus triostegus (Linnaeus 1758)	CONVICT SURGEONFISH
	Acanthurus xanthopterus Valenciennes 1835	YELLOWFIN SURGEONFISH
	Ctenochaetus striatus (Quoy & Gaimard 1825)	STRIATED SURGEONFISH
	Naso brachycentron (Valenciennes 1835)	HUMPBACK UNICORNFISH
	Naso brevirostris (Cuvier 1829)	SPOTTED UNICORNFISH
	Naso elegans (Rüppell 1829)	ELEGANT UNICORNFISH
	Naso hexacanthus (Bleeker 1855)	SLEEK UNICORNFISH
	Naso lopezi Herre 1927	ELONGATE UNICORNFISH
	Naso mcdadei Johnson 2002	SQUARENOSE UNICORNFISH
	Naso tergus Ho, Shen& Chang 2011	
	Naso thynnoides (Cuvier, 1829)	ONEKNIFE UNICORNFISH
	Naso tonganus (Valenciennes 1835)	BULBNOSE UNICORNFISH
	Naso tuberosus Lacepède 1801	HUMPNOSE UNICORNFISH
	Naso unicornis (Forsskål 1775)	BLUESPINE UNICORNFISH
	Naso vlamingii (Valenciennes 1835)	BIGNOSE UNICORNFISH
	Zebrasoma velifer (Bloch 1795)	SAILFIN TANG
BALISTIDAE	*Abalistes stellatus* (Anonymous 1798)	
	Balistapus undulates (Park 1797)	ORANGE-LINED TRIGGERFISH

	Balistoides viridescens (Bloch & Schneider 1801)	TITAN TRIGGERFISH
	Canthidermis maculate (Bloch 1786)	ROUGH TRIGGERFISH
	Melichthy sindicus Randall & Klausewitz 1973	INDIAN TRIGGERFISH
	Odonusniger (Rüppell 1836)	RED-TOOTHED TRIGGERFISH
	Rhinecanthus aculeatus (Linnaeus 1758)	WHITE-BANDED TRIGGERFISH
	Sufflamen fraenatum (Latreille 1804)	MASKED TRIGGERFISH
	Xanthichthys lineopunctatus (Hollard 1854)	STRIPED TRIGGERFISH
MONACANTHIDAE	*Aluterus monoceros* (Linnaeus 1758)	UNICORN LEATHERJACKET FILEFISH
	Aluterus scriptus (Osbeck 1765)	SCRIBBLED LEATHERJACKET FILEFISH
	Lalmohania velutina Hutchins 1994	
	Paramonacanthus frenatus (Peters 1855)	WEDGETAIL FILEFISH
TRIACANTHIDAE	*Pseudotriacanthus strigilifer* (Cantor 1849)	LONG-SPINED TRIPODFISH
	Triacanthus biaculeatus (Bloch 1786)	SHORT-NOSED TRIPODFISH
OSTRACIIDAE	*Lactoria cornuta* (Linnaeus 1758)	LONG HORN COWFISH
	Ostracion cubicus Linnaeus 1758	YELLOW BOXFISH
	Ostracion nasus Bloch 1785	HORN-NOSED BOXFISH
	Tetrosomus gibbosus (Linnaeus 1758)	HUMPBACK TURRETFISH
TETRADONTIDAE	*Arothron hispidus* (Linnaeus 1758)	WHITE-SPOTTED PUFFER
	Arothron immaculatus (Bloch & Schneider 1801)	IMMACULATE PUFFER
	Arothron stellatus (Anonymous 1798)	STELLATE PUFFER
	Canthigasters olandri (Richardson 1845)	SPOTTED SHARPNOSE
	Chelonodon patoca (Hamilton 1822)	MILKSPOTTED PUFFER
	Lagocephalus inermis (Temminck & Schlegel 1850)	SMOOTH BLAASOP
	Torquigener brevipinnis (Regan 1903)	
	Torquigener flavimaculosus Hardy & Randall 1983	
DIODONTIDAE	*Cyclichthys spilostylus* (Leis & Randall 1982)	SPOTBASE BURRFISH
	Diodon hystrix Linnaeus 1758	SPOT-FIN PORCUPINEFISH

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