

Family **LATIDAE**, Barramundi

KK Binneesh © CMFRI

*Lates calcarifer*, barramundi, 40 cm SL (SW India).Family **AMBASSIDAE**, Glassfishes

R.Bilis © NRF-SAAAB

*Ambassis ambassis*, Commerson's glassy, 6 cm SL (Madagascar).

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*Ambassis dussumieri*, bald glassy, 5 cm SL (Red Sea).

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*Ambassis dussumieri*, bald glassy, 8 cm SL (SW India).

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*Ambassis interrupta*, long-spined glassy, ~3 cm SL (Seychelles).

## Family AMBASSIDAE, Glassfishes



*Ambassis miops*, flag-tailed glassy, 6 cm SL (Japan).

© S. Kimura, FRIM



*Ambassis nalua*, scalloped glassy, 5 cm SL (Thailand).

© U. Sarapoomin, PmBC



*Ambassis nalua*, scalloped glassy, 5 cm SL (Thailand).

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*Ambassis natalensis*, slender glassy, 6 cm SL (S Mozambique).

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*Ambassis natalensis*, slender glassy (Mozambique).

R. Bills © NRF-SAIAB



*Ambassis urotaenia*, banded-tail glassy, 6 cm SL (Thailand).

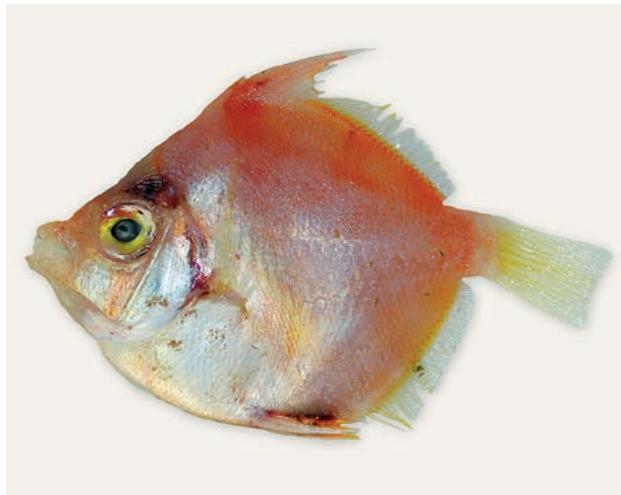
© S. Kimura, FRIM

## Family CAPROIDAE, Boarfishes



*Antigonia* sp. aff. *A. capros*, 11 cm SL (S Mozambique).

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*Antigonia hulleyi*, 5 cm SL (Madagascar).

M Lee © AV/2010



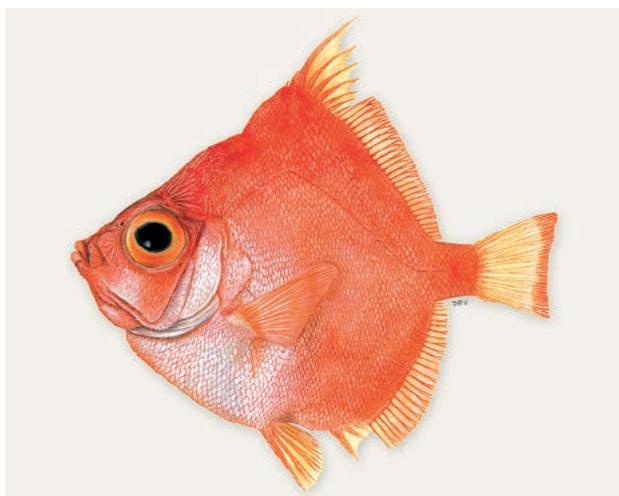
*Antigonia ovalis* (Myanmar).

O Alvheim © IMR



*Antigonia quiproqua*, 4 cm SL (Saya de Malha Bank).

O Alvheim © IMR/ASCLME



*Antigonia* sp. aff. *A. rubescens*, 8 cm SL (Kenya).

Source: SSF



*Antigonia undulata*, 7 cm SL, paratype (Kenya).

PC Heemstra © NRF-SAJAB

## Family KUHLIIDAE, Flagtails



*Kuhlia caudavittata*, chevron flagtail, 7 cm SL (Mauritius).

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*Kuhlia marginata*, variable flagtail (Taiwan).

© K-T Shao, ASIIZ



*Kuhlia mugil*, fiveband flagtail, 7 cm SL (Mauritius).

© P.C. Heemstra © NRM-SAIAB



*Kuhlia rupestris*, river flagtail, 19 cm SL (New Caledonia).

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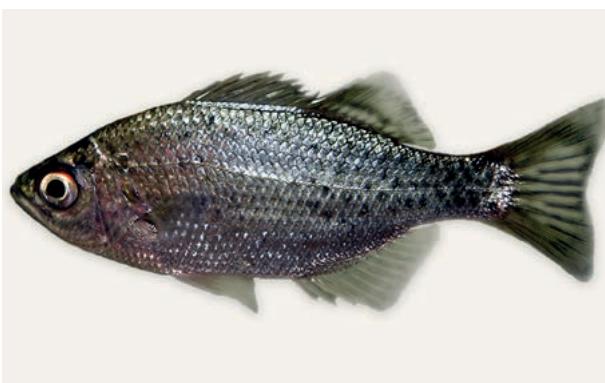
*Kuhlia rupestris*, river flagtail, juvenile (Madagascar).

© P. Bills © NRM-SAIAB



*Kuhlia sauvagii*, Madagascar flagtail, juvenile (Madagascar).

© P. Loiselle



*Kuhlia sauvagii*, Madagascar flagtail, subadult (Madagascar).

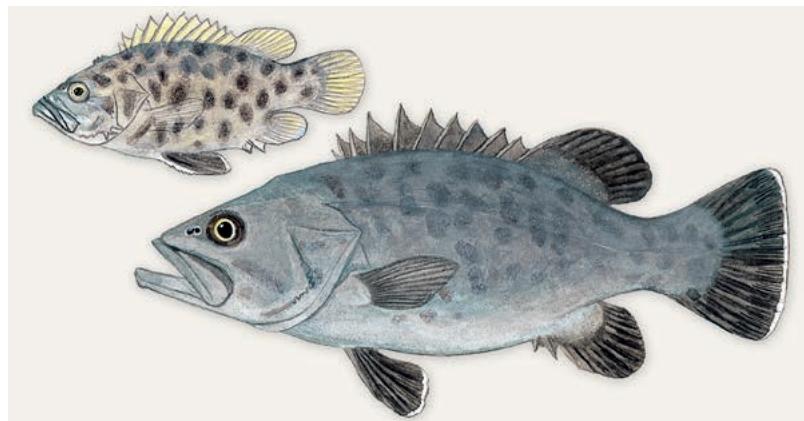
© P. Loiselle



*Kuhlia sauvagii*, Madagascar flagtail, adult (Madagascar).

© P. Bills © NRM-SAIAB

## Family POLYPRIONIDAE, Wreckfishes



Source: CFSA

*Polyprion americanus*, wreckfish, 11 cm TL, juvenile; 73 cm TL, adult (South Africa).

## Family SERRANIDAE, Perchlets, sea basses



© K. Bineesh © CMFRI

*Chelidoperca investigatoris*, Indian perchlet, 12 cm SL (SW India).

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*Chelidoperca maculicauda*, spot-tail perchlet, 13 cm SL (SW India).

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*Chelidoperca occipitalis*, 11 cm SL, preserved holotype (Socotra).

© D Golani, HUJ

*Chelidoperca pleurospilus*, spotted perchlet, 8 cm SL (Red Sea).

© A. Alheim © IMR

*Chelidoperca pleurospilus*, spotted perchlet, 15 cm TL; 6 cm TL (Myanmar).

© C. Heemstra © NRF-SAIAB

*Chelidoperca* sp., 11 cm SL (Mozambique). #

# = no species account

## Family SERRANIDAE, Perchlets, sea basses



Serranus cabrilla, comber (Aegean Sea).

© SV Bogorodsky



Serranus cabrilla, comber, ~10 cm SL (Gulf of Suez).

© JE Randall, Bishop Museum



Serranus knysnaensis, African seabass, 13 cm SL (Mozambique).

PC Heemstra © NRF-SAIAB



Serranus knysnaensis, African seabass, 9 cm TL, juvenile; 20 cm TL, adult (South Africa).

Source: CFS



Serranus knysnaensis, African seabass (South Africa).

R Palmer © NRF-SAIAB



Serranus novemcinctus, barred seabass (Walters Shoals).

© NRF-SAIAB



Serranus novemcinctus, barred seabass, ~20 cm SL (Walters Shoals).

AD Connell © NRF-SAIAB



Serranus novemcinctus, barred seabass, ~15 cm TL (Walters Shoals).

AD Connell © NRF-SAIAB

Family **EPINEPHELIDAE**, Groupers, podges, soapfishes



© DA Pollock

*Aethaloperca rogaa*, redmouth grouper, ~40 cm TL (South Africa).



© SV Bogorodsky

*Aethaloperca rogaa*, redmouth grouper, 11 cm SL, juvenile (Red Sea).



© SV Bogorodsky

*Anyperodon leucogrammicus*, slender grouper (Yemen).



KA Moots © NRF-SAIAB

*Anyperodon leucogrammicus*, slender grouper (Seychelles).



© A Sutton

*Anyperodon leucogrammicus*, slender grouper, juvenile (Tanzania).



PC Heemstra © NRF-SAIAB

*Aporops bilinearis*, blotched podge, 8 cm SL (Comoros).



PC Heemstra © NRF-SAIAB

*Cephalopholis aurantia*, golden hind, 5 cm SL, juvenile (Seychelles).



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*Cephalopholis aurantia*, golden hind, 22 cm SL (Mauritius).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



*Cephalopholis aurantia*, golden hind (Comoros).

R Palmer © NRF-SAAB



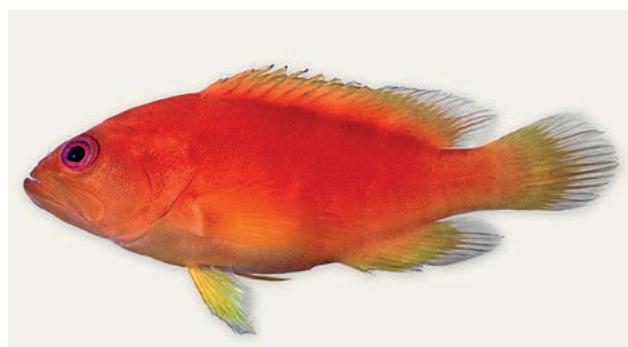
*Cephalopholis hemistictos*, yellowfin hind, 15 cm SL (Qatar).

© SV Bogorodsky



*Cephalopholis hemistictos*, yellowfin hind (Red Sea).

© SV Bogorodsky



*Cephalopholis miniata*, coral hind, 7 cm SL, juvenile (South Africa).

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*Cephalopholis nigripinnis*, darkfin hind (Tanzania).

© A Sutton



*Cephalopholis oligosticta*, vermilion hind (Red Sea).

© SV Bogorodsky



*Cephalopholis sexmaculata*, sixblotch hind, 25 cm SL (Marquesas Is.).

© DA Polack



*Cephalopholis sonnerati*, tomato hind, ~30 cm TL, spotted phase (South Africa).

© DA Polack

Family **EPINEPHELIDAE**, Groupers, podges, soapfishes



© C. Heemstra © NFR-SAAB

*Chromileptes altivelis*, humpback grouper, 20 cm SL (Taiwan). #



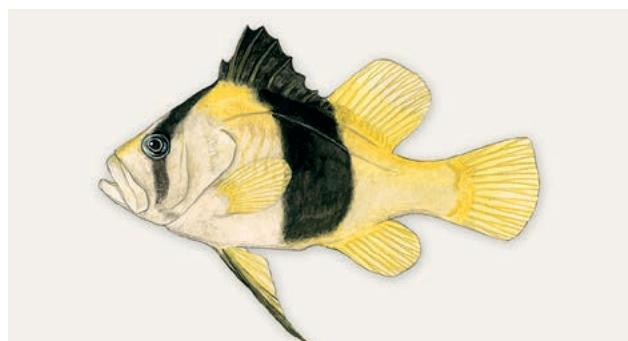
© M. Fraser

*Dermatolepis striolata*, smooth grouper (South Africa).

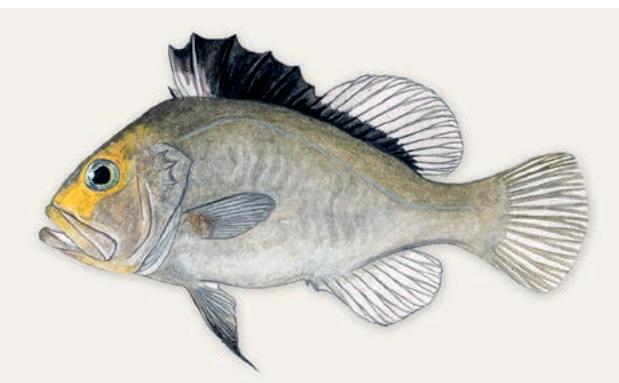


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*Diploprion bifasciatum*, barred soapfish (Maldives).



*Diploprion bifasciatum*, barred soapfish, 20 cm SL (Japan).



© SV Bogorodsky

*Diploprion drachi*, yellowface soapfish, 10 cm TL (Red Sea).



© SV Bogorodsky

*Diploprion drachi*, yellowface soapfish, 10 cm TL (Red Sea).



© M. Fraser

*Epinephelus andersoni*, catface rockcod (South Africa).



© SV Bogorodsky

*Epinephelus areolatus*, areolate grouper (Red Sea).

# = no species account

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



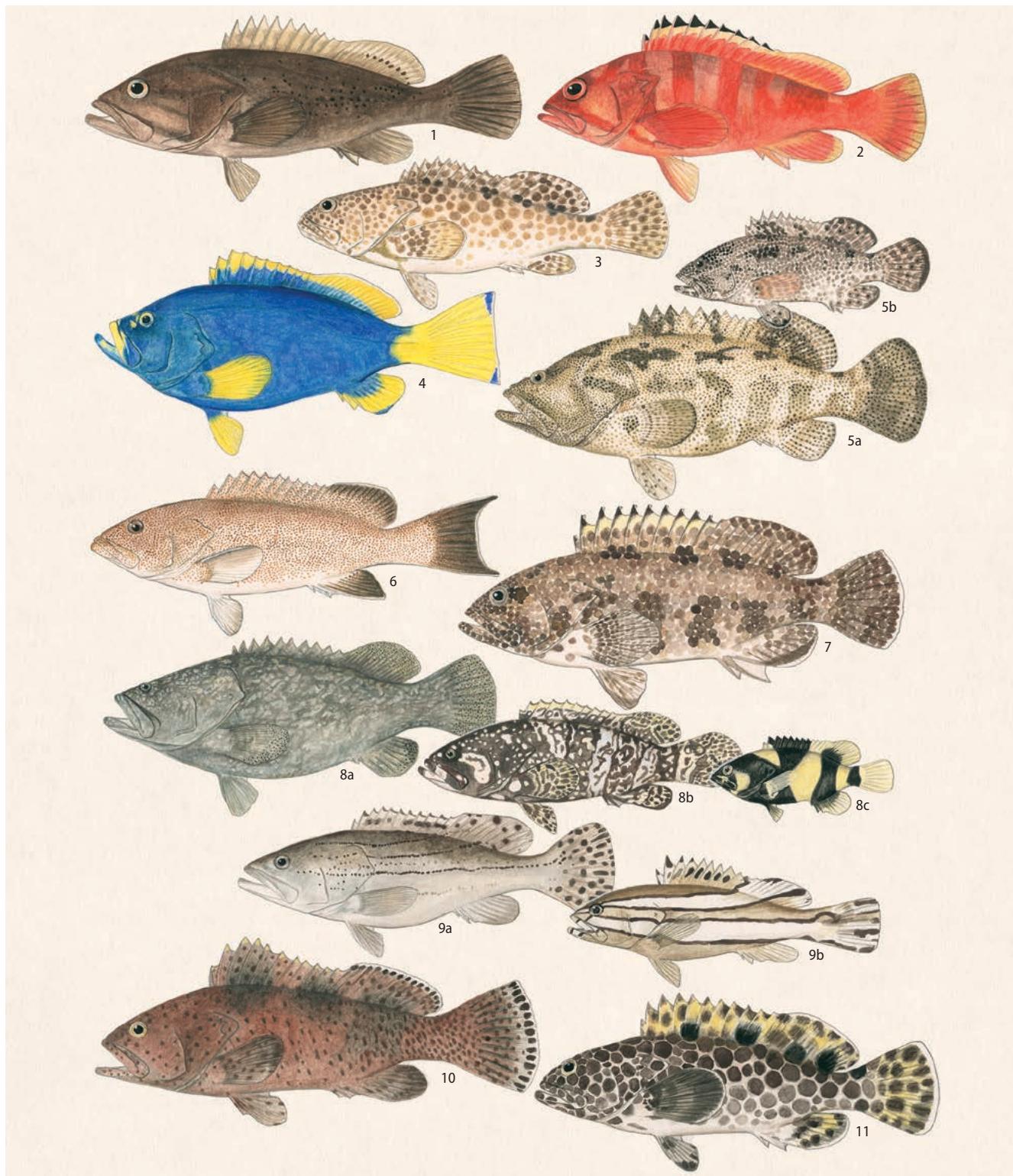
**1** *Aethaloperca roga*, redmouth grouper, **(a)** 38 cm SL (Mozambique), **(b)** 9 cm SL (Seychelles). **2** *Anpyerodon leucogrammicus*, slender grouper, **(a)** 29 cm SL (Red Sea), **(b)** 6 cm SL, juvenile (Indonesia). **3** *Cephalopholis argus*, peacock hind, 22 cm SL (Australia). **4** *Cephalopholis aurantia*, golden hind, 23 cm SL (Mauritius). **5** *Cephalopholis boenak*, brownbarred hind, 20 cm SL (Mozambique). **6** *Cephalopholis formosa*, bluelined hind, 17 cm SL (India). **7** *Cephalopholis hemistictos*, yellowfin hind, 20 cm SL (Persian/Arabian Gulf). **8** *Cephalopholis leopardus*, leopard rockcod, 11 cm SL (Mozambique). **9** *Cephalopholis miniata*, coral hind, 30 cm TL (Maldives). **10** *Cephalopholis oligosticta*, vermillion hind, 20 cm SL (Red Sea). **11** *Cephalopholis polleni*, harlequin hind, **(a)** 20 cm SL, **(b)** 4 cm SL, juvenile (both Indonesia).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



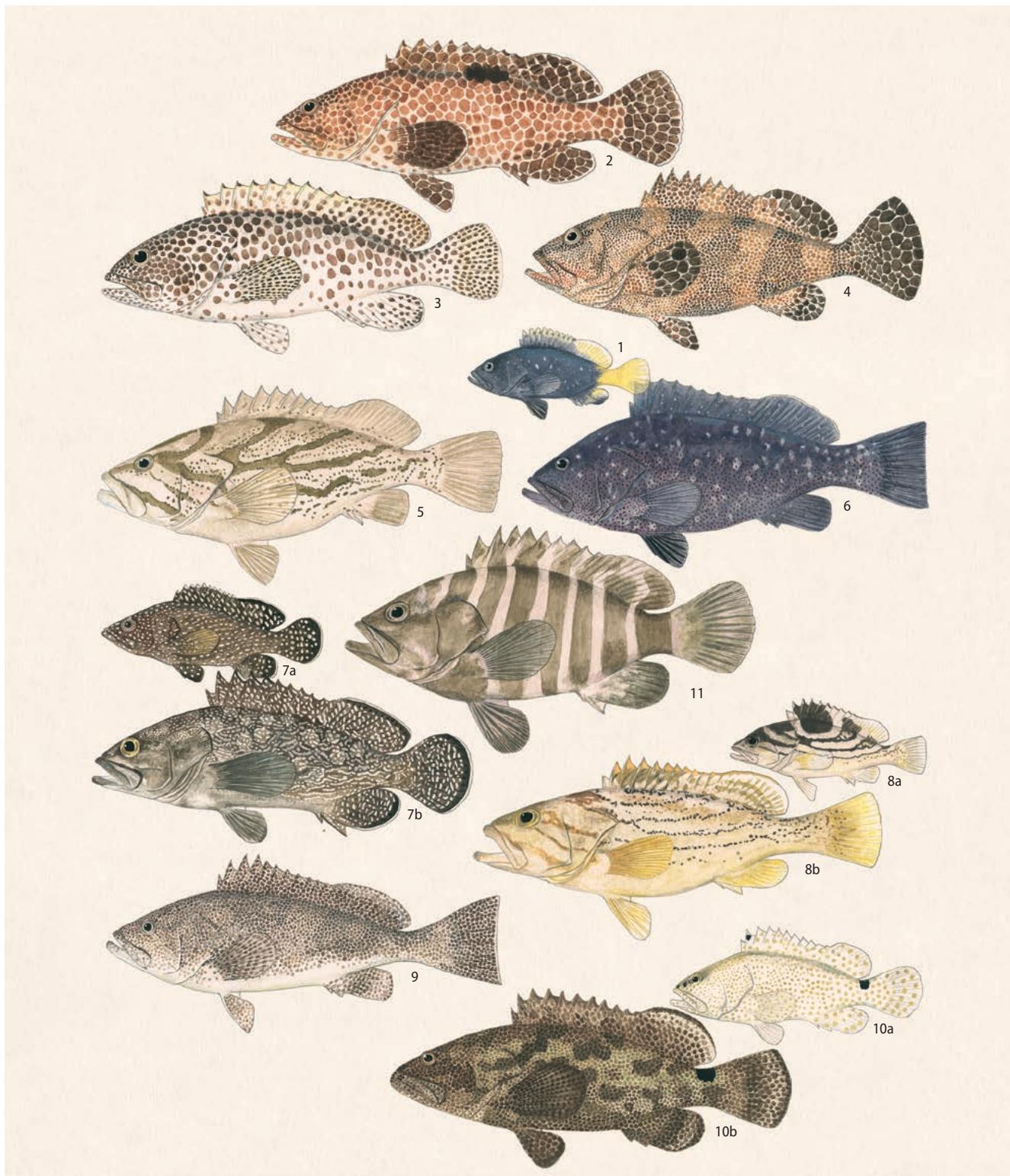
**1** *Cephalopholis nigripinnis*, darkfin hind, 18 cm SL (Mauritius). **2** *Cephalopholis sonnerati*, tomato hind, 30 cm SL (Mauritius). **3** *Cephalopholis spiloparaea*, strawberry hind, 13 cm SL (Mauritius). **4** *Epinephelus albomarginatus*, white-edged rockcod, 18 cm SL (South Africa). **5** *Epinephelus andersoni*, catface rockcod, **(a)** 37 cm SL, **(b)** 5 cm SL (both South Africa). **6** *Epinephelus areolatus*, areolate grouper, 22 cm SL (Red Sea). **7** *Epinephelus bleekeri*, duskytail grouper, 34 cm SL (India). **8** *Epinephelus chabaudi*, moustache grouper, 33 cm SL (South Africa). **9** *Epinephelus chlorostigma*, brownspotted grouper, 32 cm SL (Mozambique). **10** *Epinephelus coeruleopunctatus*, whitespotted grouper, **(a)** ~42 cm SL (Persian/Arabian Gulf), **(b)** 3 cm SL, **(c)** 17 cm SL (both juveniles, South Africa). **11** *Epinephelus coioides*, orangespotted grouper, 32 cm SL (Persian/Arabian Gulf).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



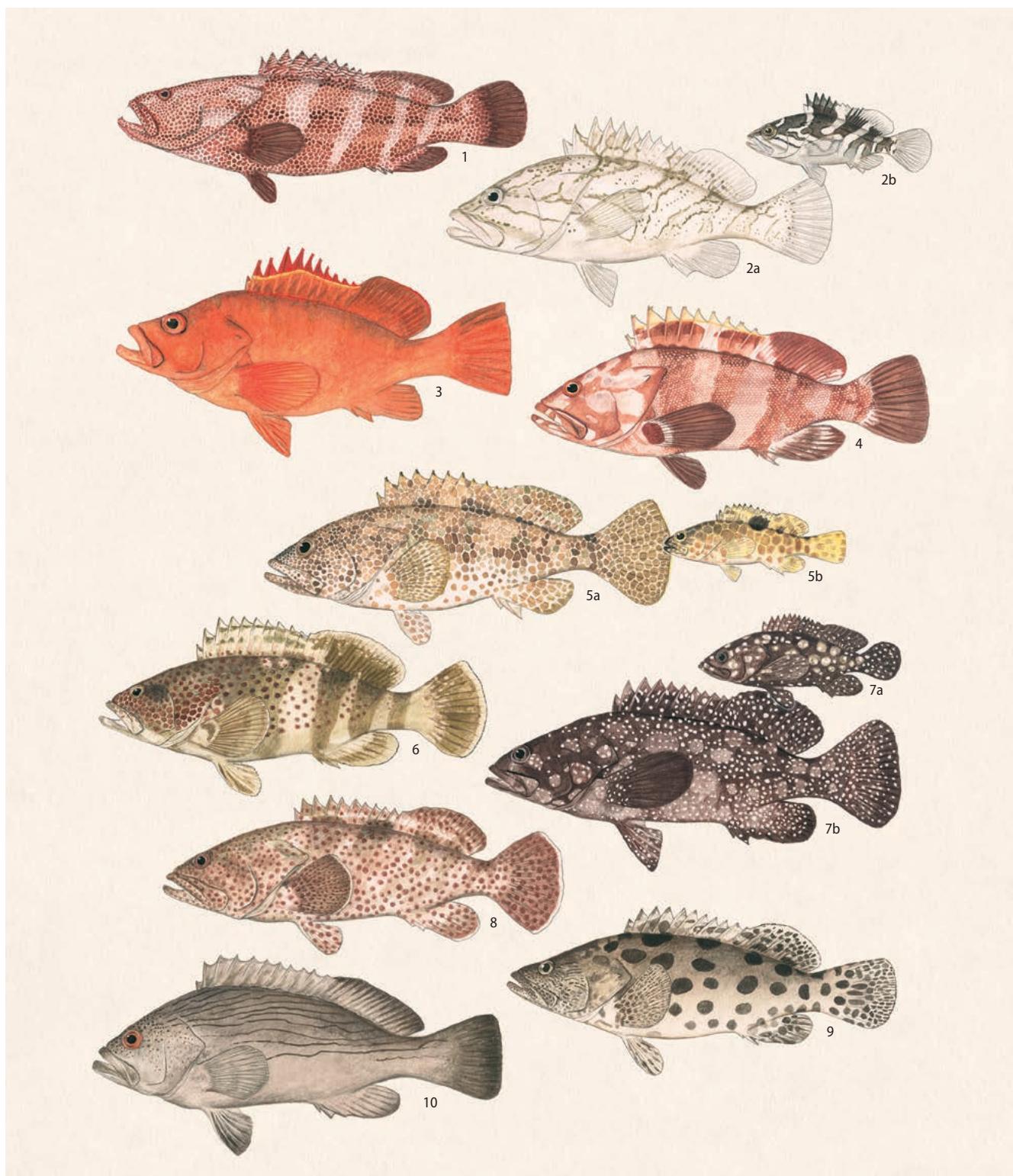
**1** *Epinephelus epistictus*, blackspotted grouper, 32 cm SL (India). **2** *Epinephelus fasciatus*, blacktip grouper, 17 cm SL (Comoros). **3** *Epinephelus faveatus*, barred-chest grouper, 21 cm SL (India). **4** *Epinephelus flavoaculeatus*, blue-and-yellow grouper, 36 cm SL (South Africa). **5** *Epinephelus fuscoguttatus*, blotchy grouper, (**a**) 55 cm SL (Red Sea), (**b**) 12 cm SL (Indonesia). **6** *Epinephelus gabriellae*, multispotted grouper, 33 cm SL (Oman). **7** *Epinephelus hexagonatus*, starspotted grouper, 15 cm SL (Mauritius). **8** *Epinephelus lanceolatus*, giant grouper, (**a**) 145 cm TL, adult (Pitcairn Is.), (**b**) 23 cm SL, adult, (**c**) 8 cm SL, juvenile (both South Africa). **9** *Epinephelus latifasciatus*, striped grouper, (**a**) 29 cm SL (India), (**b**) 17 cm SL, juvenile (Persian/Arabian Gulf). **10** *Epinephelus longispinis*, longspine grouper, 31 cm SL (South Africa). **11** *Epinephelus macrospilus*, snubnose grouper, 19 cm SL (Mauritius).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



- 1** *Epinephelus jayakari*, Muscat grouper, 34 cm SL (Persian/Arabian Gulf). **2** *Epinephelus melanostigma*, one-blotch grouper, 20 cm SL (South Africa).  
**3** *Epinephelus merra*, honeycomb grouper, 17 cm SL (Mozambique). **4** *Epinephelus miliaris*, netfin grouper, ~30 cm SL (Mozambique).  
**5** *Epinephelus morrhua*, contour grouper, 18 cm SL (Mauritius). **6** *Epinephelus multinotatus*, white-blotted grouper, 52 cm SL (Mozambique).  
**7** *Epinephelus ongus*, whitestreaked grouper, **(a)** juvenile (New Caledonia), **(b)** 22 cm SL (Caroline Is.). **8** *Epinephelus poecilonotus*, dot-dash grouper, **(a)** 11 cm SL, juvenile (South Africa), **(b)** 29 cm SL (Kenya). **9** *Epinephelus polylepis*, smallscale grouper, 38 cm SL (India). **10** *Epinephelus polyphemus*, camouflage grouper, **(a)** 14 cm TL, juvenile (Indonesia), **(b)** 29 cm SL (Bassas da India). **11** *Hyporthodus octofasciatus*, eightbar grouper, 23 cm SL (Japan).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



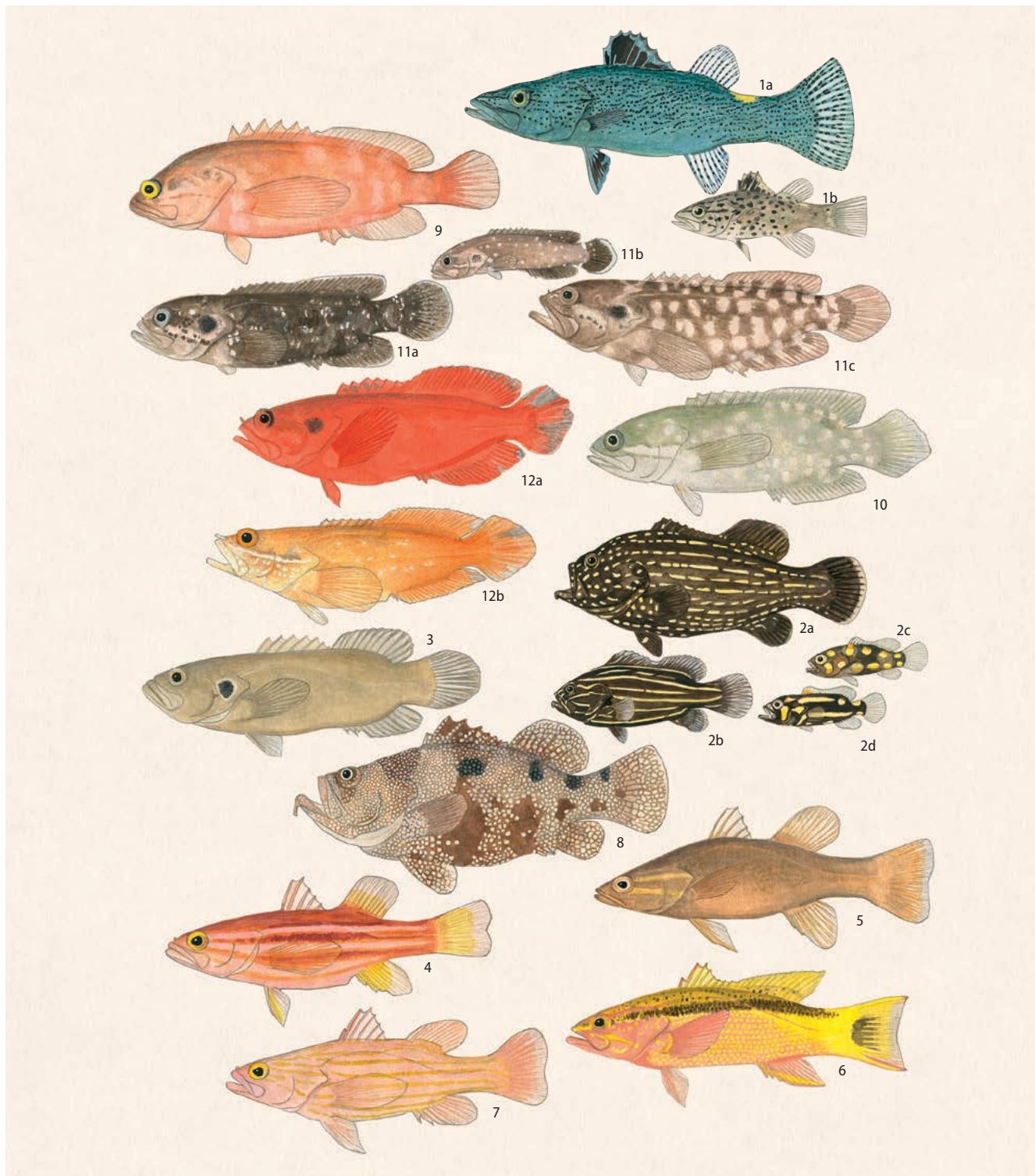
- 1** *Epinephelus posteli*, stripedfin grouper, 67 cm SL (South Africa). **2** *Epinephelus radiatus*, oblique-banded grouper, **(a)** 28 cm SL (Japan), **(b)** 4 cm SL, juvenile (Mauritius). **3** *Epinephelus retouti*, red-tipped grouper, 34 cm SL (Bassas da India). **4** *Epinephelus rivulatus*, halfmoon grouper, 21 cm SL (South Africa). **5** *Epinephelus spilotoceps*, foursaddle grouper, **(a)** 30 cm SL (Seychelles), **(b)** 5 cm SL, juvenile (Maldives). **6** *Epinephelus stoliczkae*, epaulette grouper, 20 cm SL (Gulf of Oman). **7** *Epinephelus summana*, Summan grouper, **(a)** 11 cm SL, juvenile, **(b)** 33 cm SL (both Red Sea). **8** *Epinephelus tauvina*, greasy grouper, 41 cm SL (Red Sea). **9** *Epinephelus tukula*, potato grouper, 32 cm SL (South Africa). **10** *Epinephelus undulatus*, wavylined grouper, 16 cm SL (Philippines).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



- 1** *Aporops bilinearis*, blotched podge, 10 cm SL (Comoros). **2** *Aulacocephalus temminckii*, goldribbon soapfish, 22 cm SL (South Africa).  
**3** *Plectropomus areolatus*, squaretail coralgrouper, 37 cm SL (Red Sea). **4** *Plectropomus laevis*, blacksaddle coralgrouper, **(a)** ~48 cm SL, pale form juvenile (Rodrigues), **(b)** 60 cm SL, dark form small adult (Marshall Is.). **5** *Plectropomus marisrubri*, Red Sea coralgrouper, 48 cm SL (Red Sea).  
**6** *Plectropomus punctatus*, marbled coralgrouper, **(a)** 8 cm SL, juvenile (South Africa), **(b)** 90 cm SL (Mozambique). **7** *Variola albimarginata*, white-edged lyretail, **(a)** 4 cm SL, juvenile (Maldives), **(b)** 21 cm SL (Mauritius). **8** *Variola louti*, yellow-edged lyretail, **(a)** 7 cm SL, juvenile (Maldives), **(b)** 27 cm SL (Marshall Is.).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



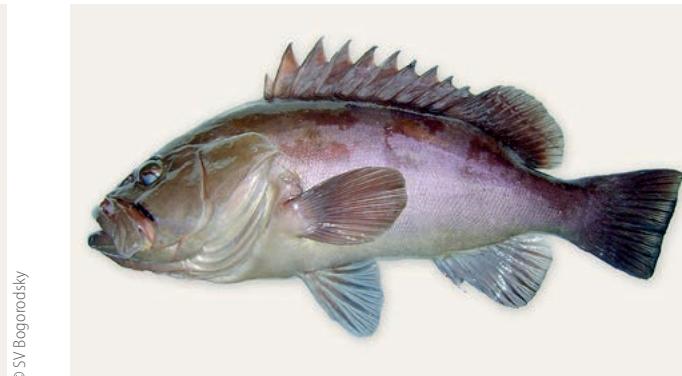
- 1** *Belonoperca chabaudii*, arrowhead soapfish, (a) ~14 cm SL, adult (S Mozambique), (b) 5 cm TL, juvenile (South Africa).\* **2** *Grammistes sexlineatus*, sixstripe soapfish, (a) 19 cm SL, adult (Mauritius), (b) 10 cm SL, subadult (South Africa), (c) 2 cm SL, juvenile (Comoros), (d) 3 cm SL, juvenile (South Africa). **3** *Grammistops ocellatus*, ocellated soapfish, 5 cm SL (Comoros).\* **4** *Liopropoma africanum*, African basslet, 5 cm SL (Comoros). **5** *Liopropoma mitratum*, pinstripe basslet, 5 cm SL (Red Sea). **6** *Liopropoma* sp., 11 cm SL (South Africa). # **7** *Liopropoma susumi*, candystripe basslet, 7 cm SL (Red Sea). **8** *Pogonoperca ocellata*, multispotted soapfish, 19 cm SL (Seychelles). **9** *Pseudogramma astignum*, reticulated podge, 6 cm SL (Comoros). **10** *Pseudogramma megamycterum*, polkadot podge, 6 cm SL (Red Sea). **11** *Pseudogramma polyacantha*, honeycomb podge, (a) 4 cm SL, (b) 2 cm SL, (c) 5 cm SL (all South Africa). **12** *Suttoria suttoni*, rosy podge, (a) 6 cm SL, (b) 4 cm SL (both Comoros).

\* Source: CFSA    # = no species account

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



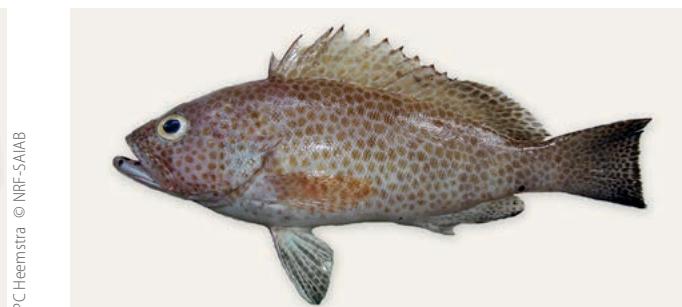
*Epinephelus bleekeri*, duskytail grouper, 29 cm SL (Qatar).



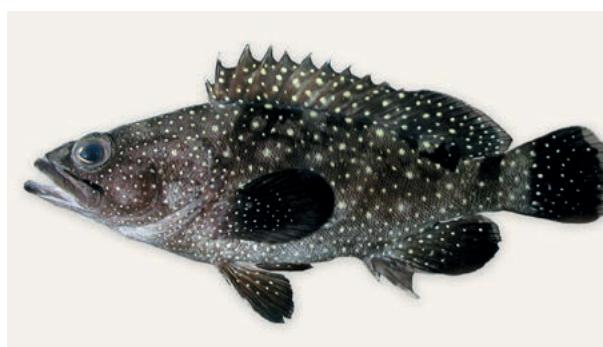
*Epinephelus chabaudi*, moustache grouper, 47 cm SL (South Africa).



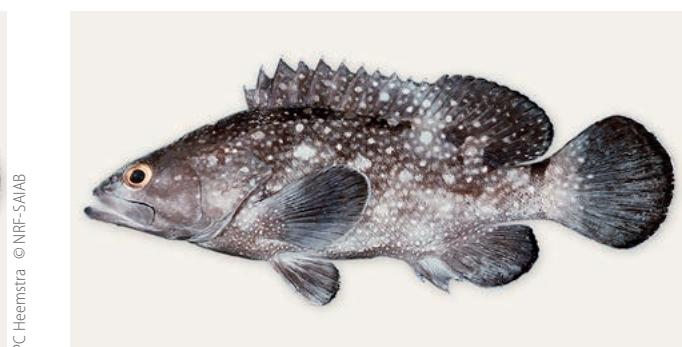
*Epinephelus chabaudi*, moustache grouper, 4 cm SL, juvenile (South Africa).



*Epinephelus chlorostigma*, brownspotted grouper, 17 cm SL (Tanzania).



*Epinephelus coeruleopunctatus*, whitespotted grouper, 10 cm SL (Seychelles).



*Epinephelus coeruleopunctatus*, whitespotted grouper, 21 cm SL (Tanzania).



*Epinephelus coioides*, orangespotted grouper, 10 cm SL (S Mozambique).



*Epinephelus epistictus*, blackspotted grouper, 16 cm SL (Mozambique).

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## Family EPINEPHELIDAE, Groupers, podges, soapfishes



*Epinephelus fasciatus*, blacktip grouper, ~12 cm TL (South Africa).

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*Epinephelus flavocaeruleus*, blue-and-yellow grouper, 3 cm and 7 cm TL (Mozambique).

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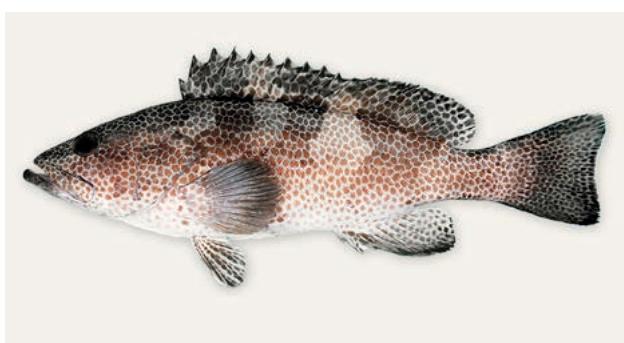
*Epinephelus flavocaeruleus*, blue-and-yellow grouper, 72 cm TL (Seychelles).

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*Epinephelus fuscoguttatus*, blotchy grouper, 9 cm SL (Red Sea).

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*Epinephelus gabriellae*, multispotted grouper, 22 cm SL (Oman).

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*Epinephelus geoffroyi*, Geoffroy's grouper (Red Sea).

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*Epinephelus geoffroyi*, Geoffroy's grouper (Red Sea).

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*Epinephelus hexagonatus*, starspotted grouper, 10 cm SL (Mozambique).

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## Family EPINEPHELIDAE, Groupers, podges, soapfishes



*Epinephelus jayakari*, Muscat grouper, 34 cm SL (Bahrain).

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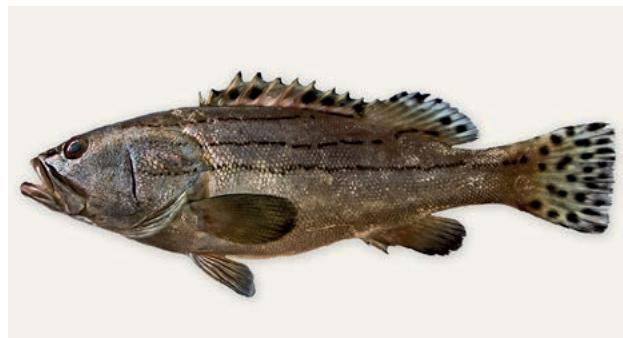
*Epinephelus lanceolatus*, giant grouper (Seychelles).

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*Epinephelus lanceolatus*, giant grouper, ~7 cm TL, juvenile (South Africa).

PC Heemstra © NPF-SAIAB



*Epinephelus latifasciatus*, striped grouper, 34 cm SL (Red Sea).

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*Epinephelus longispinis*, longspine grouper, 12 cm SL, juvenile (Madagascar).

E Heemstra © NPF-SAIAB



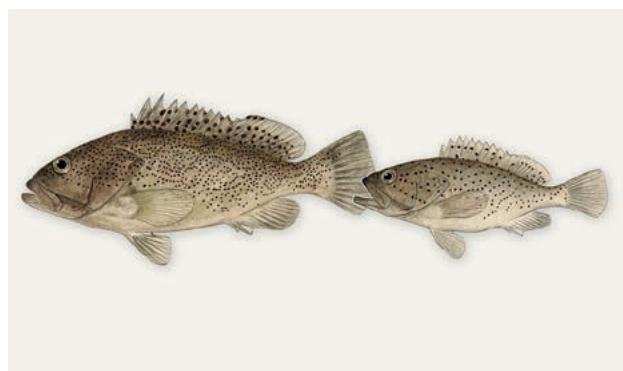
*Epinephelus longispinis*, longspine grouper, 6 cm TL, small juvenile (Maldives).

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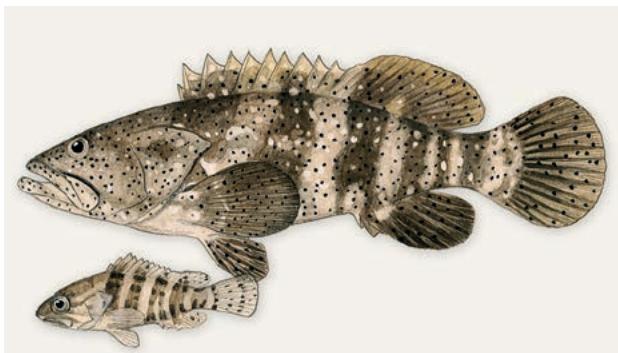
*Epinephelus macrourus*, snubnose grouper, ~19 cm SL, adult (Kenya).

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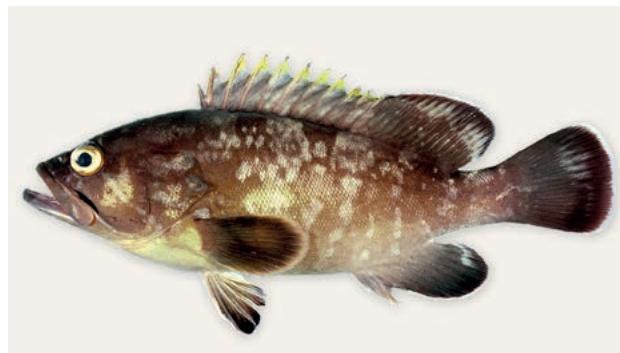


*Epinephelus magniscutis*, speckled grouper, 42 cm SL (South Africa); 13 cm SL (Mauritius).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes

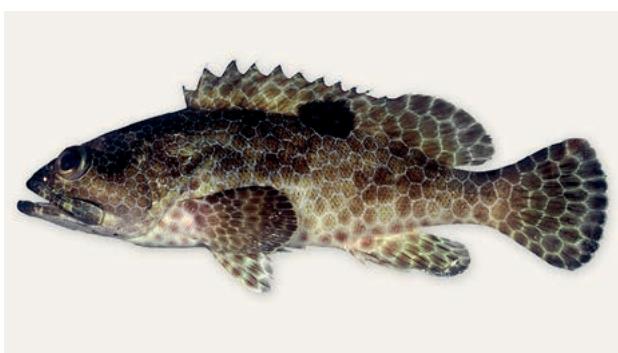


*Epinephelus malabaricus*, Malabar grouper, 32 cm SL, adult; 2 cm SL, juvenile (both South Africa).



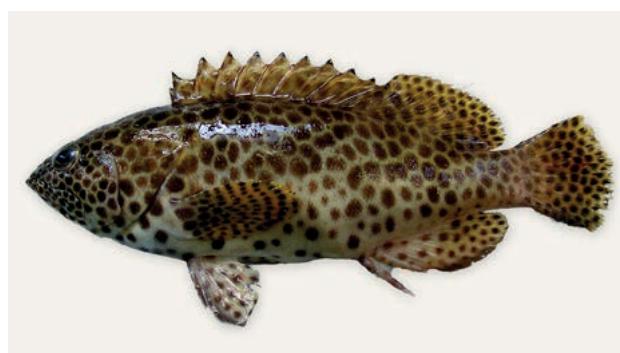
*Epinephelus marginatus*, yellowbelly grouper, 16 cm SL (South Africa).

PC Heemstra © NRF-SAIAB



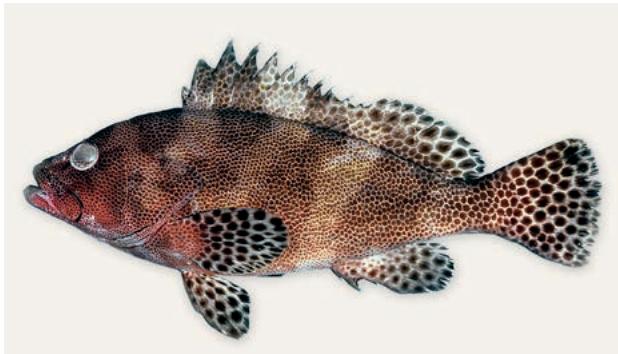
*Epinephelus melanostigma*, one-blotch grouper, 14 cm SL (Comoros).

© R Winterbottom, ROM



*Epinephelus merra*, honeycomb grouper, 15 cm SL (Tanzania).

M Mwale © NRF-SAIAB



*Epinephelus miliaris*, netfin grouper, 43 cm SL (Bassas da India).

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*Epinephelus ?miliaris*, juvenile (S Mozambique).

© V Fraser



*Epinephelus morrhua*, contour grouper, 27 cm SL (Rodrigues).

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*Epinephelus morrhua*, contour grouper, 29 cm SL (Red Sea).

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## Family EPINEPHELIDAE, Groupers, podges, soapfishes



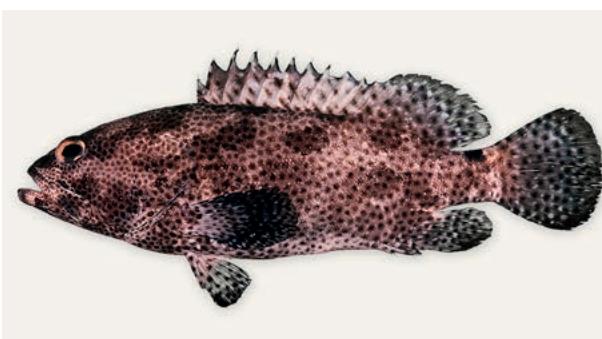
*Epinephelus multinotatus*, white-blotted grouper, 55 cm SL (Seychelles).

A. Northrop © NRE-SAIAB



*Epinephelus polylepis*, smallscale grouper, 44 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum



*Epinephelus polyphekadion*, camouflage grouper, 25 cm SL (Gulf of Aqaba).

© JE Randall, Bishop Museum



*Epinephelus posteli*, stripedfin grouper, ~50 cm TL (South Africa).

© DA Pollock



*Epinephelus radiatus*, oblique-banded grouper, juvenile (South Africa).

© C. van Jaarsveld



*Epinephelus retouti*, red-tipped grouper, 14 cm TL (Mauritius).

© JE Randall, Bishop Museum



*Epinephelus spilotoceps*, foursaddle grouper, 26 cm SL (Seychelles).

PC Heemstra © NRE-SAIAB



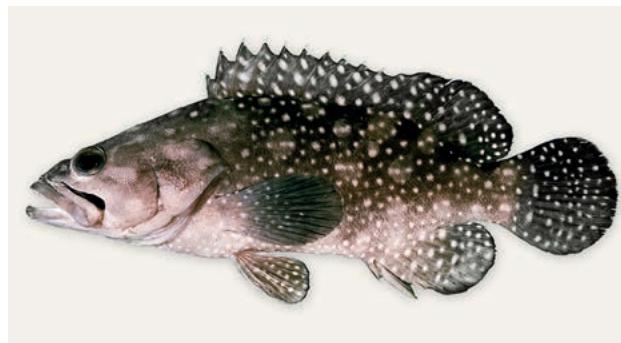
*Epinephelus stoliczkae*, epaulette grouper, 5 cm SL (Gulf of Oman).

© JE Randall, Bishop Museum

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



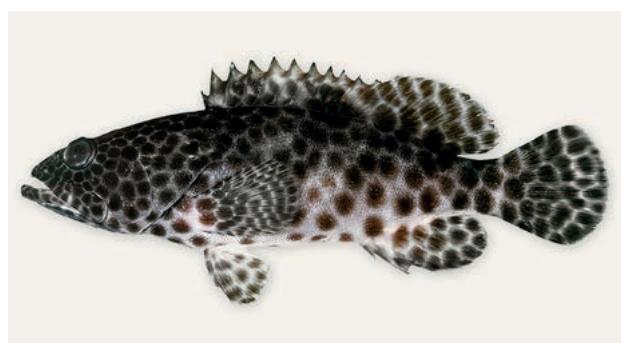
*Epinephelus summana*, Summan grouper (Red Sea).



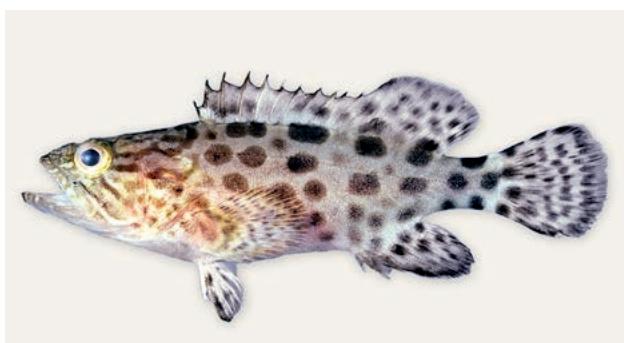
*Epinephelus summana*, Summan grouper, 4 cm SL, juvenile (Red Sea).



*Epinephelus tauvina*, greasy grouper, 14 cm TL, juvenile (Kenya).



*Epinephelus tauvina*, greasy grouper, 13 cm SL (Réunion).



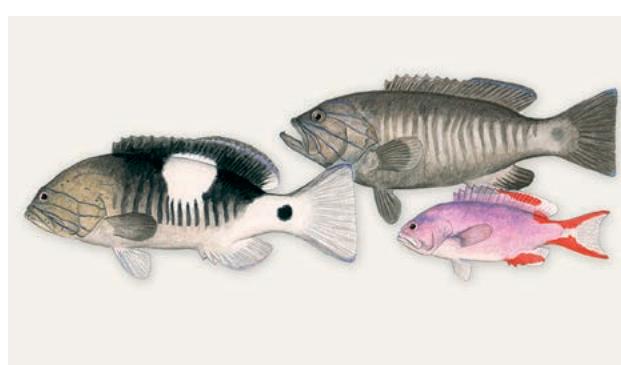
*Epinephelus tukula*, potato grouper, 6 cm SL, juvenile (South Africa).



*Epinephelus undulatus*, wavylined grouper, 60 cm SL (Kenya).



*Gracila albomarginata*, masked grouper, ~31 cm TL (Maldives).



*Gracila albomarginata*, masked grouper, 31 cm SL (left) (Seychelles); 13 cm SL, juvenile (bottom right) (Mauritius); 23 cm SL (top right) (Marshall Is.).

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



*Hyporthodus octofasciatus*, eightbar grouper, 8 cm SL, juvenile (SW India).

KV Akhilesh © CMFRI



*Liopropoma lunulatum*, speckled basslet, 19 cm SL (W India).

KV Akhilesh © CMFRI



*Liopropoma mitratum*, pinstripe basslet, 5 cm SL (Red Sea).

© S Trankner, SMF



*Liopropoma randalli*, Indian basslet, 11 cm SL, holotype (SW India).

KV Akhilesh © CMFRI



*Liopropoma* sp. (South Africa). #

AD Connell © NRE SAIB



*Liopropoma susumi*, candystripe basslet, juvenile (Red Sea).

© SV Bogorodsky



*Plectropomus areolatus*, squaretail coralgrouper (Red Sea).

© SV Bogorodsky



*Plectropomus marisrubri*, Red Sea coralgrouper, ~65 cm TL (Red Sea).

© DA Polack

# = no species account

## Family EPINEPHELIDAE, Groupers, podges, soapfishes



*Plectropomus marisrubri*, Red Sea coralgrouper (Gulf of Aqaba).

© R Field



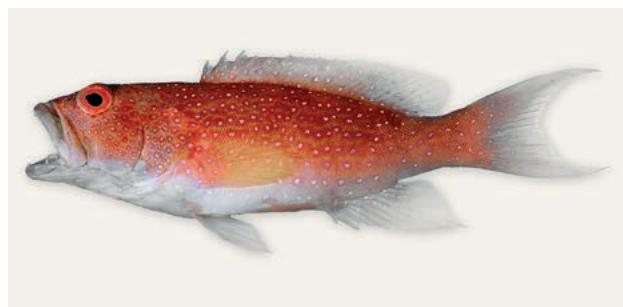
*Plectropomus pessuliferus*, roving coralgrouper, 47 cm TL (Nazareth Bank).

© Avhheim © IMR/ASCLME



*Plectropomus punctatus*, marbled coralgrouper, juvenile (South Africa).

© M Dykhouse



*Variola albimarginata*, white-edged lyretail, 14 cm SL (Rodrigues).

PC Heemstra © NRF-SAIAB



*Variola albimarginata*, white-edged lyretail (Maldives).

© JE Randall, Bishop Museum



*Variola louti*, yellow-edged lyretail, 4 cm SL, juvenile (Rodrigues).

PC Heemstra © NRF-SAIAB



*Variola louti*, yellow-edged lyretail (Red Sea).

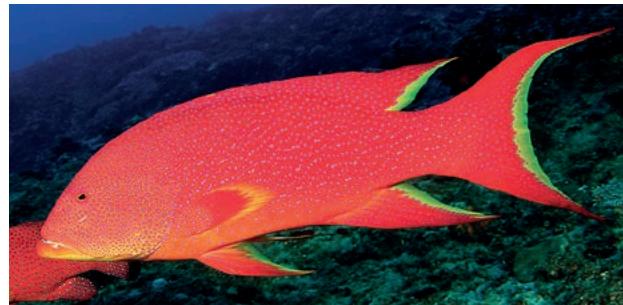
© SV Bogorodsky



*Variola louti*, yellow-edged lyretail (South Africa).

© J Dench

Family **EPINEPHELIDAE**, Groupers, podges, soapfishes



© M Fraser

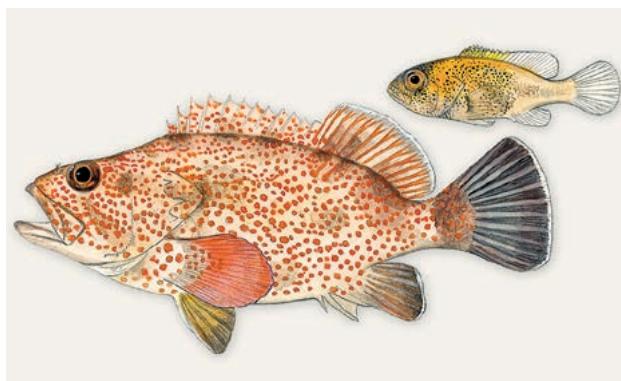
*Variola louti*, yellow-edged lyretail (South Africa).

Family **ANTHIADIDAE**, Goldies, basslets, perchlets, swallowtails



© V Fraser

*Acanthistius joanae*, whiteblotch koester (South Africa).



Source: CSA

*Acanthistius sebastoides*, koester, ~2 cm TL, juvenile; 21 cm SL, adult (both South Africa).



R Palmer © NRE-SAA&amp;B

*Acanthistius sebastoides*, koester, juvenile (South Africa).



© J.E Randall, Bishop Museum

*Luzonichthys earlei*, orange splitfin, 3 cm TL (Maldives).



R Palmer © NRE-SAA&amp;B (CERP/Wildtrust)

*Luzonichthys earlei*, orange splitfins (Comoros).



© J.E Randall, Bishop Museum

*Luzonichthys waitei*, magenta splitfin, 4 cm SL (Seychelles).

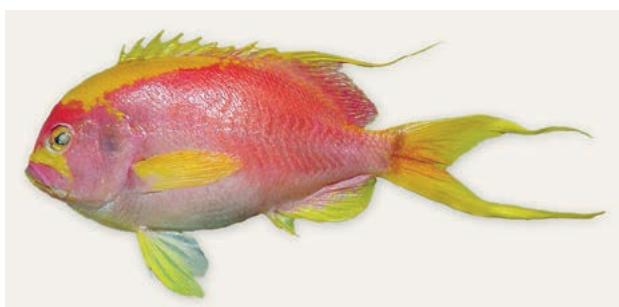
## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails

*Luzonichthys waitei*, magenta splitfin (Indonesia).

© W Osborn

*Meganthias filiferus*, filamentous basslet, 21 cm SL (SW India).

KV Akhilesh © CMFRI

*Meganthias natalensis*, Goliath basslet (Walters Shoals).

AD Connell © NFR-SAIAB

*Nemanthias carberryi*, threadfin goldie, ~10 cm TL, male (South Africa).

© DA Pollock

*Nemanthias carberryi*, threadfin goldie, 36 mm SL, 39 mm SL, 41 mm SL (Maldives).

© JE Randall, Bishop Museum

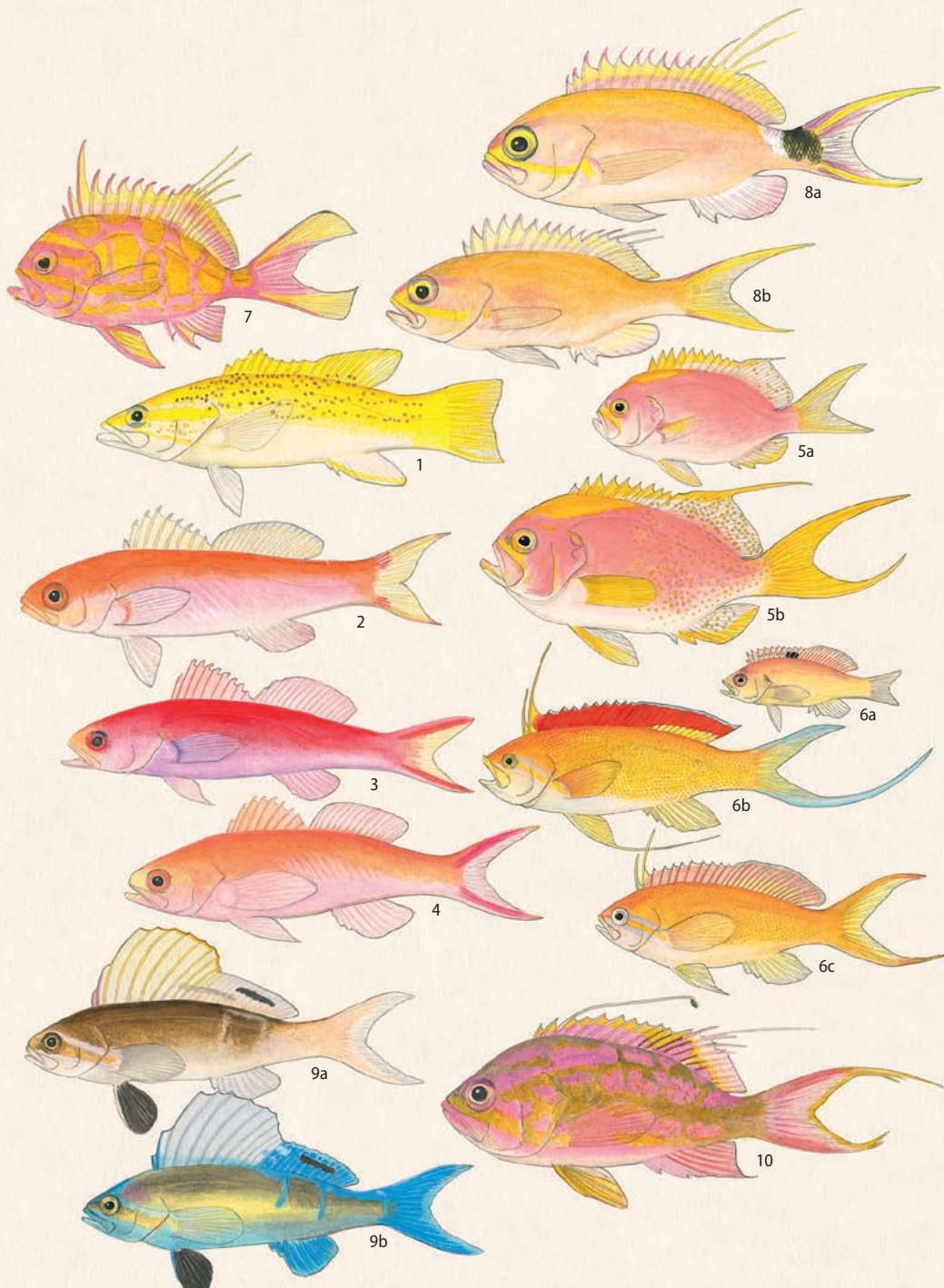
*Odontanthias borbonius*, checked swallowtail, 14 cm SL (South Africa).

© P Timm

*Odontanthias rhodopeplus*, tailring swallowtail, 22 cm SL (SW India).

KV Akhilesh © CMFRI

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



**1** *Liopropoma* cf. *lunulatum*, 11 cm SL (South Africa). # **2** *Luzonichthys earlei*, orange splitfin, 4 cm SL (Hawaii). **3** *Luzonichthys microlepis*, slender splitfin, 7 cm TL, holotype (Seychelles). **4** *Luzonichthys waitei*, magenta splitfin, 7 cm TL (Seychelles). **5** *Meganthias natalensis*, Goliath basslet, (a) 17 cm SL, juvenile, (b) 28 cm SL (both South Africa). **6** *Nemanthias carberryi*, threadfin goldie, (a) 3 cm SL, juvenile, (b) 8 cm SL, male, (c) 4 cm SL, female (all South Africa).\* **7** *Odontanthias borbonius*, checked swallowtail, 11 cm SL (Comoros). **8** *Odontanthias caudicinctus*, blackblotch swallowtail, (a) 9 cm SL, male holotype, (b) 6 cm SL, female (both Kenya). **9** *Rabaulichthys stigmaticus*, spotted sailfin basslet, (a) 5 cm SL, male, (b) 5 cm SL, male courtship colouration (both Maldives). **10** *Sacra boulengeri*, flower seaperch, 11 cm SL (Oman).

\* Source: CFSA    # = no species account

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



- 1** *Plectranthias gardineri*, Seychelles perchlet, 3 cm SL (Seychelles). **2** *Plectranthias inermis*, bald perchlet, 5 cm SL (Mauritius). **3** *Plectranthias longimanus*, longfin perchlet, 2 cm SL (Comoros). **4** *Plectranthias morgani*, whitefin perchlet, 5 cm SL (Kenya). **5** *Plectranthias peliceri*, psychedelic perchlet, 4 cm SL (Mauritius). **6** *Plectranthias winniensis*, redblotch perchlet, 2 cm SL (Mauritius). **7** *Pseudanthias bicolor*, bicolour basslet, **(a)** 8 cm SL, male (Mauritius), **(b)** 5 cm SL, female (Maldives). **8** *Pseudanthias bimaculatus*, twospot basslet, **(a)** 8 cm SL, male, **(b)** 6 cm SL, female (both Maldives). **9** *Pseudanthias connelli*, harlequin goldie, **(a)** 6 cm SL, female, **(b)** 10 cm SL, male (both South Africa). **10** *Pseudanthias cooperi*, silverstreak basslet, **(a)** 5 cm SL, female (Mauritius), **(b)** 8 cm SL, male (South Africa). **11** *Pseudanthias evansi*, yellowback basslet, 10 cm SL (Rodrigues). **12** *Pseudanthias gibbosus*, redstripe basslet, 17 cm SL, female (South Africa).

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



© K. Birnebach © CMFRRI

*Plectranthias alcocki*, Alcock's perchlet, 7 cm SL, holotype (SW India).

© Alvheim © IMR/ASCLME

*Plectranthias bauchotae*, robust perchlet, 11 cm SL (Saya de Malha Bank).

© C. Heemstra © NMR-SAJAB

*Plectranthias longimanus*, longfin perchlet, 3 cm SL (South Africa).

© C. Heemstra © NMR-SAJAB

*Plectranthias maugeri*, fringed perchlet, 6 cm SL, preserved (Madagascar).

© J.E. Randall, Bishop Museum

*Plectranthias nanus*, midget perchlet, 3 cm SL (Hawaii).

© S.V. Bogorodsky

*Plectranthias winniensis*, redblotch perchlet (Red Sea).

© J.E. Randall, Bishop Museum

*Pseudanthias bicolor*, bicolour basslet, 8 cm SL, male (Mauritius).

© J.E. Randall, Bishop Museum

*Pseudanthias bicolor*, bicolour basslet (Maldives).

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



© R Koch

*Pseudanthias bimaculatus*, twospot basslet, female (N Mozambique).

© R Koch

*Pseudanthias bimaculatus*, twospot basslet, male (N Mozambique).

© E Marshall

*Pseudanthias bimarginatus*, crowned basslet, female (South Africa).

© D Timm

*Pseudanthias bimarginatus*, crowned basslet, male (South Africa).

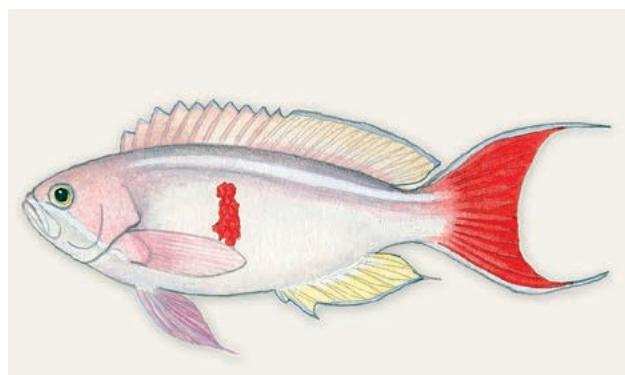
© V Fraser

*Pseudanthias connelli*, harlequin goldie, female (South Africa).

© V Fraser

*Pseudanthias connelli*, harlequin goldie, male (South Africa).

© H B Ormsby

*Pseudanthias conspicuus*, V-tail basslet, 6 cm SL (Pakistan).*Pseudanthias cooperi*, silverstreak basslet, ~8 cm SL, displaying male (South Africa).

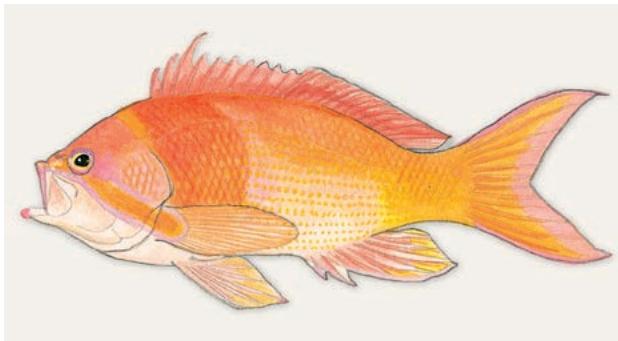
## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



© DA Pollock

*Pseudanthias evansi*, yellowback basslet, ~10 cm TL (South Africa).

© P Timm

*Pseudanthias gibbosus*, redstripe basslets, females above, males below (South Africa).*Pseudanthias gibbosus*, redstripe basslet, male (South Africa).

© P Timm

*Pseudanthias gibbosus*, redstripe basslet, displaying male (South Africa).

© SV Bogorodsky

*Pseudanthias heemstrai*, redbasslet, female (Gulf of Aqaba).

© SV Bogorodsky

*Pseudanthias heemstrai*, redbasslet, male (Red Sea).

© JL Rose

*Pseudanthias heemstrai*, redbasslet, male (Djibouti).

© JE Randall, Bishop Museum

*Pseudanthias hypselosoma*, robust basslet, 5 cm SL, female (Maldives).

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



*Pseudanthias hypselosoma*, robust basslet, 6 cm SL, male (Maldives).

© J.E. Randall, Bishop Museum



*Pseudanthias ignitus*, flame basslet, 4 cm SL, female (Maldives).

© J.E. Randall, Bishop Museum



*Pseudanthias ignitus*, flame basslet, 6 cm SL, male (Maldives).

© J.E. Randall, Bishop Museum



*Pseudanthias lunulatus*, crescent-tail basslet, 8 cm SL, female (Mauritius).

© J.E. Randall, Bishop Museum



*Pseudanthias lunulatus*, crescent-tail basslet, male (South Africa).

© R. Trinman



*Pseudanthias marcia*, whiptail basslet, 5 cm TL, female (Oman).

© J.E. Randall, Bishop Museum



*Pseudanthias marcia*, whiptail basslet, 10 cm TL, male (Oman).

© J.E. Randall, Bishop Museum



*Pseudanthias pillai*, Indian basslet, 12 cm SL, male holotype (SW India).

KV Akhilash © CMFRI

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



KV Arklesh © CMFRI

*Pseudanthias pillai*, Indian basslet, 10 cm SL, female (SW India).

© JE Randall, Bishop Museum

*Pseudanthias pulcherrimus*, resplendent basslet, 7 cm SL, male (Mauritius).

© V Fraser

*Pseudanthias pulcherrimus*, resplendent basslet, male (South Africa).

© JE Randall, Bishop Museum

*Pseudanthias pulcherrimus*, resplendent basslet, female (Maldives).

© V Fraser

*Pseudanthias squamipinnis*, sea goldie, female (South Africa).

© DA Pollock

*Pseudanthias squamipinnis*, sea goldie, male (South Africa).

© V Fraser

*Pseudanthias squamipinnis*, sea goldie, male (South Africa).

© JE Randall, Bishop Museum

*Pseudanthias taeniatus*, striped basslet, 7 cm SL, female (Gulf of Aqaba).

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails



*Pseudanthias taeniatus*, striped basslet, male (Gulf of Aqaba).

© SV Bogorodsky



*Pseudanthias taeniatus*, striped basslet, male (front left) with *Pseudanthias squamipinnis*, females (Red Sea).

© SV Bogorodsky



*Pseudanthias townsendi*, Townsend's basslet, female (Gulf of Oman).

© R Field



*Pseudanthias townsendi*, Townsend's basslet, transforming female (Gulf of Oman).

© R Field



*Pseudanthias townsendi*, Townsend's basslet, male (Gulf of Oman).

© R Field



*Pseudanthias unimarginatus*, onemargin basslet, 5 cm SL, male holotype (Mauritius).

© JE Randall, Bishop Museum



*Pseudanthias unimarginatus*, onemargin basslet, male (South Africa).

© P Timm



*Rabaulichthys stigmaticus*, spotted sailfin basslet, 5 cm SL (NW Madagascar).

© NRF-SAIAB

## Family ANTHIADIDAE, Goldies, basslets, perchlets, swallowtails

*Sacra boulengeri*, flower seaperch, 16 cm SL (SW India).*Tosana niwae*, threadtail anthias, 7 cm SL (Philippines). #

© K-T Shao, Y-C Liao, ASIZ

## Family CALLANTHIIDAE, Seaperches

*Callanthias legras*, African splendid seaperch, 23 cm TL (South Africa).*Callanthias legras*, African splendid seaperch (South Africa).

R Palmer © NMF-SA/AB

*Grammatonotus* sp., filament perchlet, 12 cm TL (Saya de Malha Bank).*Grammatonotus* sp., 6 cm SL (top); 8 cm SL (bottom) (Nazareth Bank). #

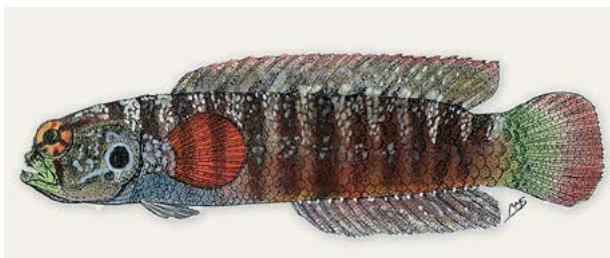
O Alvhheim © IMR/ASCLME

*Grammatonotus lanceolatus*, lanceolate perchlet, 7 cm SL (Mozambique).

P.C. Heemstra © NMF-SA/AB

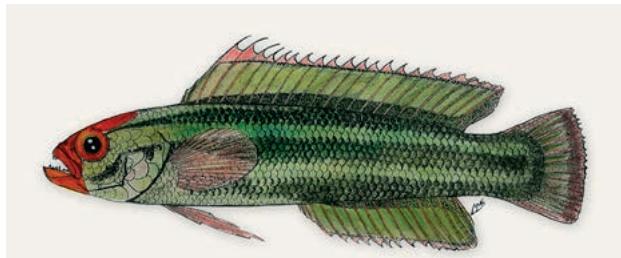
# = no species account

## Family PSEUDOCHROMIDAE, Subfamily Anisochrominae, Annies; Subfamily Congrogadinae, Snakelets



*Anisochromis kenyae*, African annie, 2 cm TL, female paratype (Kenya).

Source: Smith 1954



*Anisochromis kenyae*, African annie, 2 cm TL, male holotype (Kenya).

Source: Smith 1954



*Anisochromis straussi*, St Brandon's annie, ~2 cm SL, female (St Brandon Shoals).

© AC Gill



*Anisochromis straussi*, St Brandon's annie, ~2 cm SL, male (St Brandon Shoals).

© AC Gill



*Halidesmus coccus*, rooster snakelet, 10 cm SL (Oman).

© JE Randall, Bishop Museum



*Halidesmus scapularis*, snakelet, juvenile (South Africa).

© G Zsilavecz, SURG



*Halidesmus scapularis*, snakelet (South Africa).

© G Zsilavecz, SURG



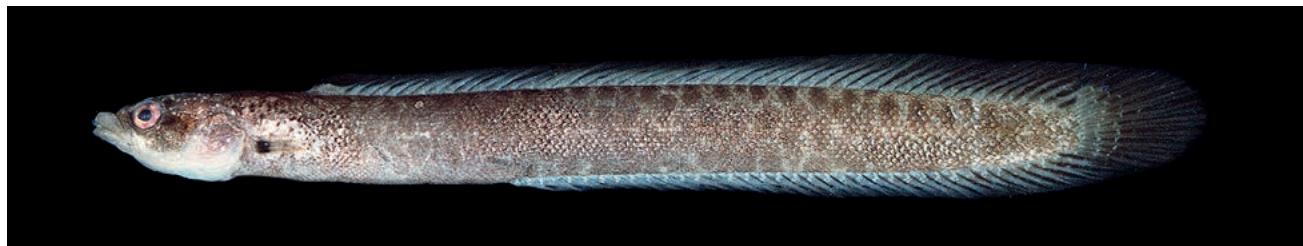
*Halidesmus thomasi*, Thomasen's snakelet, 10 cm SL (Oman).

© JE Randall, Bishop Museum

## Family PSEUDOCHROMIDAE, Subfamily Congrogadinae, Snakelets



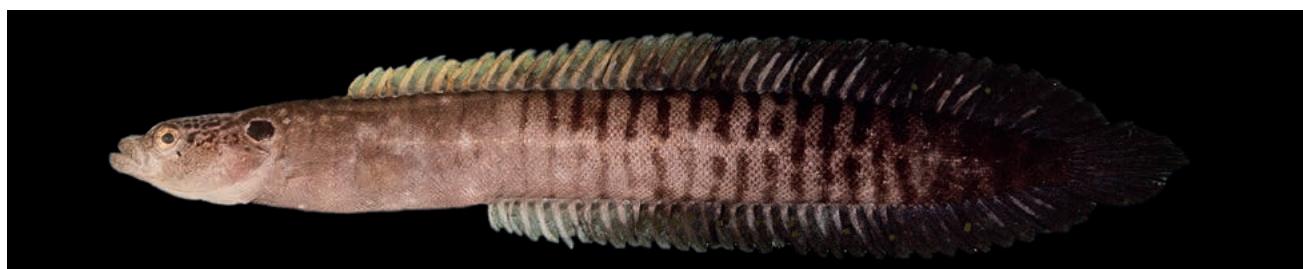
*Halimuraena hexagonata* (N Mozambique).



*Halimuraena shakai*, Zulu snakelet, 5 cm SL (South Africa).



*Haliophis diademus*, stars-and-stripes snakelet, 9 cm SL (Oman).



*Haliophis guttatus*, spotted snakelet, 9 cm SL (Kenya).



*Haliophis guttatus*, spotted snakelet, juvenile (Red Sea).

© R Bills © NFR-SAAW

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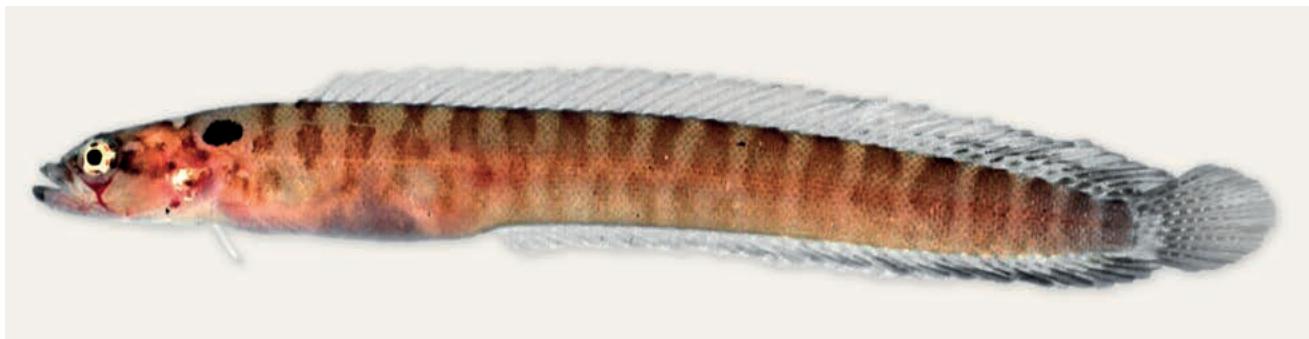
© SV Bogorodsky

Family **PSEUDOCHROMIDAE**, Subfamily Congrogadinae, Snakelets;  
Subfamily Pseudoplesiopinae, Dottybacks



© SV Bogorodsky

*Haliophis guttatus*, spotted snakelet (Red Sea).



PC Heemstra © NRI-SAIB

*Natalichthys sam*, nail snakelet, ~4 cm SL (South Africa).



© JF Randall, Bishop Museum

*Rusichthys explicitus*, orangestriped snakelet, 5 cm SL (Oman).



© JP Hoover

*Rusichthys explicitus*, orangestriped snakelet (Gulf of Oman).



© SV Bogorodsky

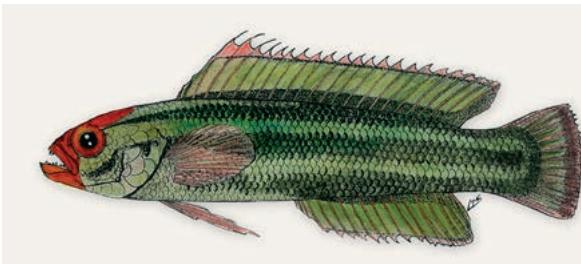
*Chlidichthys auratus*, golden dottyback, 3 cm SL (Red Sea).



© SV Bogorodsky

*Chlidichthys auratus*, golden dottyback (Red Sea).

## Family PSEUDOCHROMIDAE, Subfamily Pseudoplesiopinae, Dottybacks



*Chlidichthys bibulus*, nosey dottyback, 5 cm SL, holotype  
(N Mozambique).

Source: Smith 1954



*Chlidichthys bibulus*, nosey dottyback, 4 cm SL (Kenya).

© JE Randall, Bishop Museum



*Chlidichthys cacatuoides*, cockatoo dottyback, 3 cm SL (Socotra).

© UZGÖZ, ZMf



*Chlidichthys chagosensis*, Chagos dottyback, ~2 cm SL (Chagos).

© RWinterbottom, ROM



*Chlidichthys clibanarius*, chainmail dottyback, 4 cm SL (Comoros).

© RWinterbottom, ROM



*Chlidichthys foudioides*, fody dottyback, 4 cm SL, paratype (Rodrigues).

PC Heemstra © NRF-SAAB



*Chlidichthys foudioides*, fody dottyback, 3 cm SL, paratype (Rodrigues).

PC Heemstra © NRF-SAAB



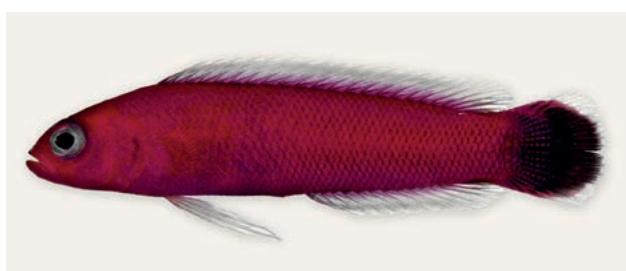
*Chlidichthys inornatus*, inornate dottyback, 3 cm SL (Maldives).

© JE Randall, Bishop Museum



*Chlidichthys johnvoelckeri*, cerise dottyback (N Mozambique).

© JKoch



*Chlidichthys johnvoelckeri*, cerise dottyback, ~4 cm SL (Comoros).

© RWinterbottom, ROM

## Family PSEUDOCHROMIDAE, Subfamily Pseudoplesiopinae, Dottybacks

*Chlidichthys pembae*, Pemba dottyback, 3 cm SL (Comoros).

© R Winterbottom, ROM

*Chlidichthys pembae*, Pemba dottyback, 3 cm SL (Comoros).

PC Heemstra © NRI-SAIAB

*Chlidichthys randallii*, Randall's dottyback, 4 cm SL, holotype (Mauritius).

© JE Randall, Bishop Museum

*Chlidichthys rubiceps*, redhead dottyback, 3 cm SL, paratype (Gulf of Aqaba).

© JE Randall, Bishop Museum

*Chlidichthys rubiceps*, redhead dottyback (Red Sea).

© SV Bogorodsky

*Chlidichthys smithae*, Smith's dottyback, 3 cm SL (Mauritius).

© JE Randall, Bishop Museum

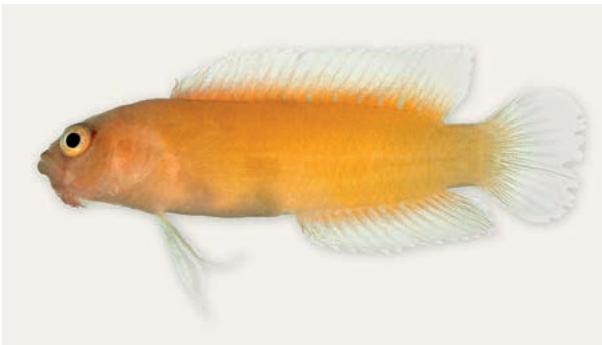
*Chlidichthys smithae*, Smith's dottyback, 4 cm SL (Mauritius).

PC Heemstra © NRI-SAIAB

*Pectinochromis lubbocki*, Lubbock's dottyback, 3 cm SL, holotype (Egypt).

© JE Randall, Bishop Museum

Family **PSEUDOCHROMIDAE**, Subfamilies Pseudoplesiopinae and Pseudochrominae, Dottybacks



© R.Winterbottom, ROM

*Pseudoplesiops immaculatus*, immaculate dottyback, 3 cm SL (Palau).



© J.F.Randall, Bishop Museum

*Pseudoplesiops occidentalis*, Maldives dottyback, ~4 cm SL, holotype (Maldives).



© S.Pollock

*Pseudochromis aldabraensis*, neon dottyback (Oman).



© R.Winterbottom, ROM

*Pseudochromis aureolineatus*, goldlined dottyback, 4 cm SL, holotype (Comoros).



© J.F.Randall, Bishop Museum

*Pseudochromis caudalis*, stripe-tailed dottyback, 9 cm SL (SE India).



© R.Lubbock

*Pseudochromis caudalis*, stripe-tailed dottyback (Pakistan).



© U.Zajicek, SMIFF

*Pseudochromis chrysospilus*, gold-spotted dottyback, ~4 cm SL, paratype (Socotra).



© J.F.Randall, Bishop Museum

*Pseudochromis coccinicauda*, yellow-breasted dottyback, 4 cm SL, female (Maldives).

## Family PSEUDOCHROMIDAE, Subfamily Pseudochrominae, Dottybacks



*Pseudochromis coccinicauda*, yellow-breasted dottyback, male, aquarium photo (Indonesia).



*Pseudochromis dilectus*, Sri Lankan dottyback, 3 cm SL (Sri Lanka).

© JE Randall, Bishop Museum



*Pseudochromis dixurus*, forktail dottyback, striped form (Red Sea).



*Pseudochromis dixurus*, forktail dottyback, dark form (Red Sea).

© SV Bogorodsky



*Pseudochromis dutoiti*, Dutoiti, 1 cm SL, juvenile (S Mozambique).



*Pseudochromis dutoiti*, Dutoiti, 6 cm SL (S Mozambique).

PC Heemstra © NRF-SAIAB



*Pseudochromis dutoiti*, Dutoiti (Kenya).



*Pseudochromis flavivertex*, sunrise dottyback, blue-topped form (Red Sea).

© JE Randall, Bishop Museum



*Pseudochromis flavivertex*, sunrise dottyback, yellow-topped form (Red Sea).



*Pseudochromis flavivertex*, sunrise dottyback, yellow-topped variation (Red Sea).

© JE Randall, Bishop Museum

## Family PSEUDOCHROMIDAE, Subfamily Pseudochrominae, Dottybacks



*Pseudochromis fridmani*, orchid dottyback (Red Sea).

© J.E. Randall, Bishop Museum



*Pseudochromis fuscus*, brown dottyback, 4 cm SL (W Australia).

© G.R. Allen



*Pseudochromis kristinae*, lipstick dottyback, 6 cm SL, paratype (S Mozambique).

© C. Heemstra © NPF-SAIAB



*Pseudochromis kristinae*, lipstick dottyback, 7 cm SL, paratype (Kenya).

© J.E. Randall, Bishop Museum



*Pseudochromis leucorhynchus*, white-nosed dottyback, 5 cm SL, paratype (Kenya).

© R. Lubbock



*Pseudochromis linda*, false olive dottyback, 4 cm SL (Persian/Arabian Gulf).

© J.E. Randall, Bishop Museum



*Pseudochromis magnificus*, magnificent dottyback, male (St Brandon Shoals).

© A.C. Gill



*Pseudochromis melas*, dark dottyback (South Africa).

© D.A. Pollock

## Family PSEUDOCHROMIDAE, Subfamily Pseudochrominae, Dottybacks



*Pseudochromis melas*, dark dottyback, dark phase (South Africa).

© GR Allen



*Pseudochromis melas*, dark dottyback, pale form (South Africa).

© S Polack



*Pseudochromis natalensis*, Natal dottyback, 7 cm SL (South Africa).

© PC Heemstra © NRE SA/NAB



*Pseudochromis nigrovittatus*, blackstripe dottyback, non-striped form (Arabian Sea).

© R Field



*Pseudochromis nigrovittatus*, blackstripe dottyback, striped form (Gulf of Oman).

© R Field



*Pseudochromis olivaceus*, olive dottyback (Red Sea).

© SY Bogorodsky



*Pseudochromis omanensis*, Oman dottyback, pale form (Oman).

© JF Randall, Bishop Museum



*Pseudochromis persicus*, Persian dottyback, 6 cm SL, pale form (Bahrain).

© JF Randall, Bishop Museum

**Family PSEUDOCHROMIDAE, Subfamily Pseudochrominae, Dottybacks**



© JE Randall, Bishop Museum

*Pseudochromis persicus*, Persian dottyback, dark form (Bahrain).



© SV Bogorodsky

*Pseudochromis pesi*, pale dottyback (Red Sea).



© JP Hoover

*Pseudochromis punctatus*, blackback dottyback (Oman).



© JE Randall, Bishop Museum

*Pseudochromis sankeyi*, schooling dottyback (Red Sea).



© UZajonz, SMF

*Pseudochromis socotraensis*, Socotra dottyback, 6 cm SL, holotype (Socotra).



© JE Randall, Bishop Museum

*Pseudochromis springeri*, Springer's dottyback (Red Sea).



© JE Randall, Bishop Museum

*Pseudochromis springeri*, Springer's dottyback, 4 cm SL (Red Sea).



© R Winterbottom, ROM

*Pseudochromis tauberae*, African dottyback, 5 cm SL (Comoros)

**Family PLESIOPIDAE, Longfins, comets, spiny basslets**



© SV Bogorodsky

*Acanthoplesiops cappuccino*, coffee basslet (Red Sea).



© JE Randall, Bishop Museum

*Acanthoplesiops indicus*, scottie, 2 cm SL, juvenile (Oman).

## Family PLESIOPIDAE, Longfins, comets, spiny basslets



© R Henderson

*Calloplesiops altivelis*, comet, ~8 cm SL.

© SV Bogorodsky

*Calloplesiops altivelis*, comet (Red Sea).

© RWinterbottom, ROM

*Plesiops auritus*, earspot longfin, 3 cm SL (Thailand).

© C Heemstra © NRF-SAIAB

*Plesiops coeruleolineatus*, redtip longfin, 5 cm SL (Rodrigues).

© C Heemstra © NRF-SAIAB

*Plesiops coeruleolineatus*, redtip longfin, ~4 cm SL (Seychelles).

© JE Randall, Bishop Museum

*Plesiops multisquamata*, bluespotted longfin, 11 cm SL (South Africa).

© SV Bogorodsky

*Plesiops mystaxus*, moustache longfin, ~3 cm SL, juvenile (Red Sea).

© SV Bogorodsky

*Plesiops mystaxus*, moustache longfin (Red Sea).

## Family PLESIOPIDAE, Longfins, comets, spiny basslets



*Plesiops nigricans*, whitespotted longfin, 5 cm SL, juvenile (Red Sea).



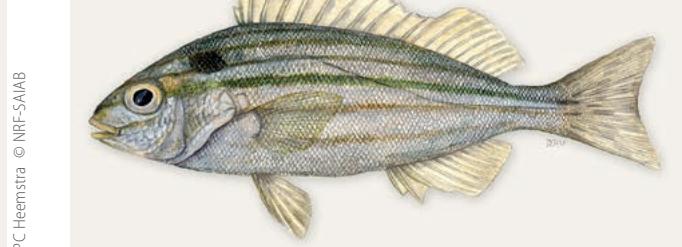
*Plesiops nigricans*, whitespotted longfin, 10 cm SL (Red Sea).

© JF Randall, Bishop Museum

## Family TERAPONTIDAE, Thornfishes, terapons

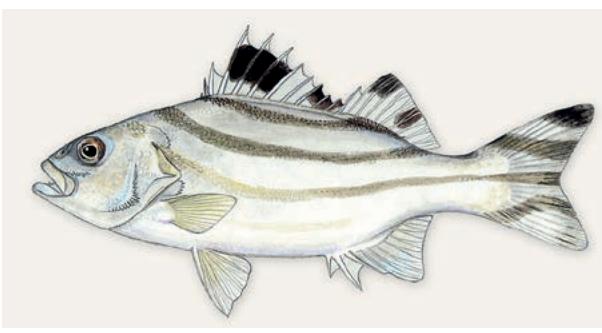


*Pelates quadrilineatus*, trumpeter, 8 cm SL (South Africa).



*Pelates quadrilineatus*, trumpeter, 9 cm SL, adult (Aldabra).

Source: SSF



*Terapon jarbua*, thornfish, 13 cm TL (South Africa).



*Terapon puta*, small-scaled terapon, 9 cm SL (Bahrain).

© JE Randall, Bishop Museum



*Terapon theraps*, large-scaled terapon, 13 cm SL (Red Sea).



*Terapon theraps*, large-scaled terapon, 11 cm SL (Mozambique).

© PCH Heemstra © NRE-SAIAB

## Family PRIACANTHIDAE, Bigeyes



*Cookeolus japonicus*, longfin bigeye, 18 cm SL (South Africa).

PC Heemstra © NRF-SAAB



*Cookeolus japonicus*, longfin bigeye, 44 cm SL (S Mozambique).

O Alvesen © IMR



*Heteropriacanthus cruentatus*, glasseye, 12 cm TL (Mozambique).

O Alvesen © IMR



*Heteropriacanthus cruentatus*, glasseye, 14 cm SL (Comoros).

PC Heemstra © NRF-SAAB



*Priacanthus blochii*, shortfin bigeye, 6 cm SL (Comoros).

© R Winterbottom, ROM



*Priacanthus blochii*, shortfin bigeye, ~20 cm TL (South Africa).

© J Eyré

## Family PRIACANTHIDAE, Bigeyes



*Priacanthus fitchi*, whitefin bigeye, 18 cm SL (Saya de Malha Bank).

© Alvheim © IMR



*Priacanthus hamrur*, crescent-tail bigeye, 20 cm SL (N Mozambique).

PC Heemstra © NRF-SAIMAB



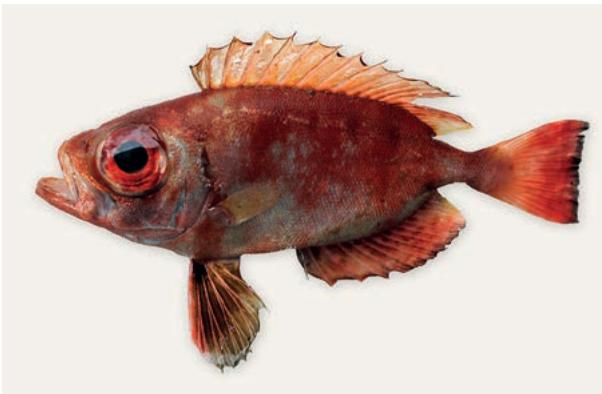
*Priacanthus prolixus*, torpedo bigeye, 11 cm SL (SW India).

© Y Iwatsuki, MUS



*Priacanthus sagittarius*, arrowfin bigeye, 17 cm SL (Gulf of Suez).

© SV Bogorodsky



*Priacanthus* sp., 10 cm SL (Madagascar). #

E Heemstra © NRF-SAIMAB



*Priacanthus tayenus*, purplespotted bigeye, 13 cm SL (E India).

© JE Randall, Bishop Museum



*Priacanthus tayenus*, purplespotted bigeye, 13 cm SL (Australia).

© C Dowling, DFO



*Pristigenys refulgens*, blackmargin bigeye, 18 cm SL (S Mozambique).

© Alvheim © IMR

# = no species account

## Family ACROPOMATIDAE, Lanternbellies



*Acropoma heemstrai*, African lanternbelly, 13 cm SL (Mozambique).

PC Heemstra © NRF-SAAIB



*Neoscombrops cynodon*, sombre splitfin, 18 cm SL (Mozambique).

PC Heemstra © NRF-SAAIB



*Parascombrops cf. adenii*, 5 cm SL (Red Sea). #

© SV Bogorodsky



*Synagrops japonicus*, blackmouth splitfin, 27 cm TL (South Africa).

O Avhaim © IMR

## Family HOWELLIDAE, Pricklefishes



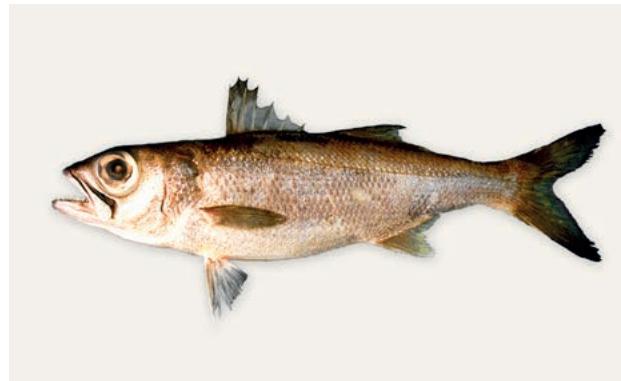
*Howella sherborni*, smallscale pricklefish, 10 cm TL (Melville Bank).

© O Avhaim © IMR/ASCLME

# = no species account

Family **SCOMBROPIDAE**, Gnomefishes

PC Heemstra © NNF-SAIAB

*Scombrids boops*, gnomefish, 3 cm SL, juvenile (South Africa).

© ART Thorpe

*Scombrids boops*, gnomefish, 28 cm TL (South Africa).

© GJ Edgar/Reef Life Survey

*Scombrids boops*, gnomefish, juveniles (South Africa).Family **POMATOMIDAE**, Bluefish, elf

PC Heemstra © NNF-SAIAB

*Pomatomus saltatrix*, elf, 25 cm SL (South Africa).

Family **LACTARIIDAE**, False trevally

© JE Randall, Bishop Museum

*Lactarius lactarius*, false trevally, 14 cm SL (SW India).Family **APOGONIDAE**, Cardinalfishes

© M Erdmann, CI

*Amioides polyacanthus* (Bali).

© JE Randall, Bishop Museum

*Amioides polyacanthus*, 176 mm SL (Indonesia).

© SV Bogorodsky

*Apogon campbelli*, 27 mm SL, night (Red Sea).

© JE Randall, Bishop Museum

*Apogon caudicinctus*, little tailband cardinalfish, 50 mm SL (Réunion).

© SV Bogorodsky

*Apogon coccineus*, ruby cardinalfish, 38 mm SL (Red Sea).

© RWinterbottom, ROM

*Apogon dammermani*, 45 mm SL (Chagos).

## Family APOGONIDAE, Cardinalfishes



*Apogon dianthus*, 49 mm SL, holotype (Palau).



*Apogon doryssa*, longspine cardinalfish (Japan).



*Apogon erythrosoma* (Red Sea).

© J.F. Randall, Bishop Museum



*Apogon indicus*, Indian cardinalfish (South Africa).

© R. Winterbottom, ROM



*Apogon semiornatus*, oblique-banded cardinalfish (South Africa).

© D.R. King



*Apogon talboti*, flame cardinalfish, 55 mm SL (Red Sea).

© V. Bogorodsky



*Apogonichthyoïdes enigmaticus*, short-tooth cardinalfish (Oman).

© R. Field



*Apogonichthyoïdes gardineri*, 44 mm SL (Mauritius).

© J.F. Randall, Bishop Museum

## Family APOGONIDAE, Cardinalfishes

*Apogonichthyoide heptastygma* (Red Sea).

© SV Bogorodsky

*Apogonichthyoide maculipinnis* (Maldives).

© M Erdmann, CI

*Apogonichthyoide nigripinnis*, bullseye cardinalfish, 64 mm SL (Thailand).

© U Satapoomin, PMBC

*Apogonichthyoide pseudotaeniatus*, doublebar cardinalfish, 75 mm TL (Red Sea).

© JE Randall, Bishop Museum

*Apogonichthyoide pharaonis* (South Africa).

© V Fraser

*Apogonichthyoide regani*, 48 mm SL (Seychelles).

© JE Randall, Bishop Museum

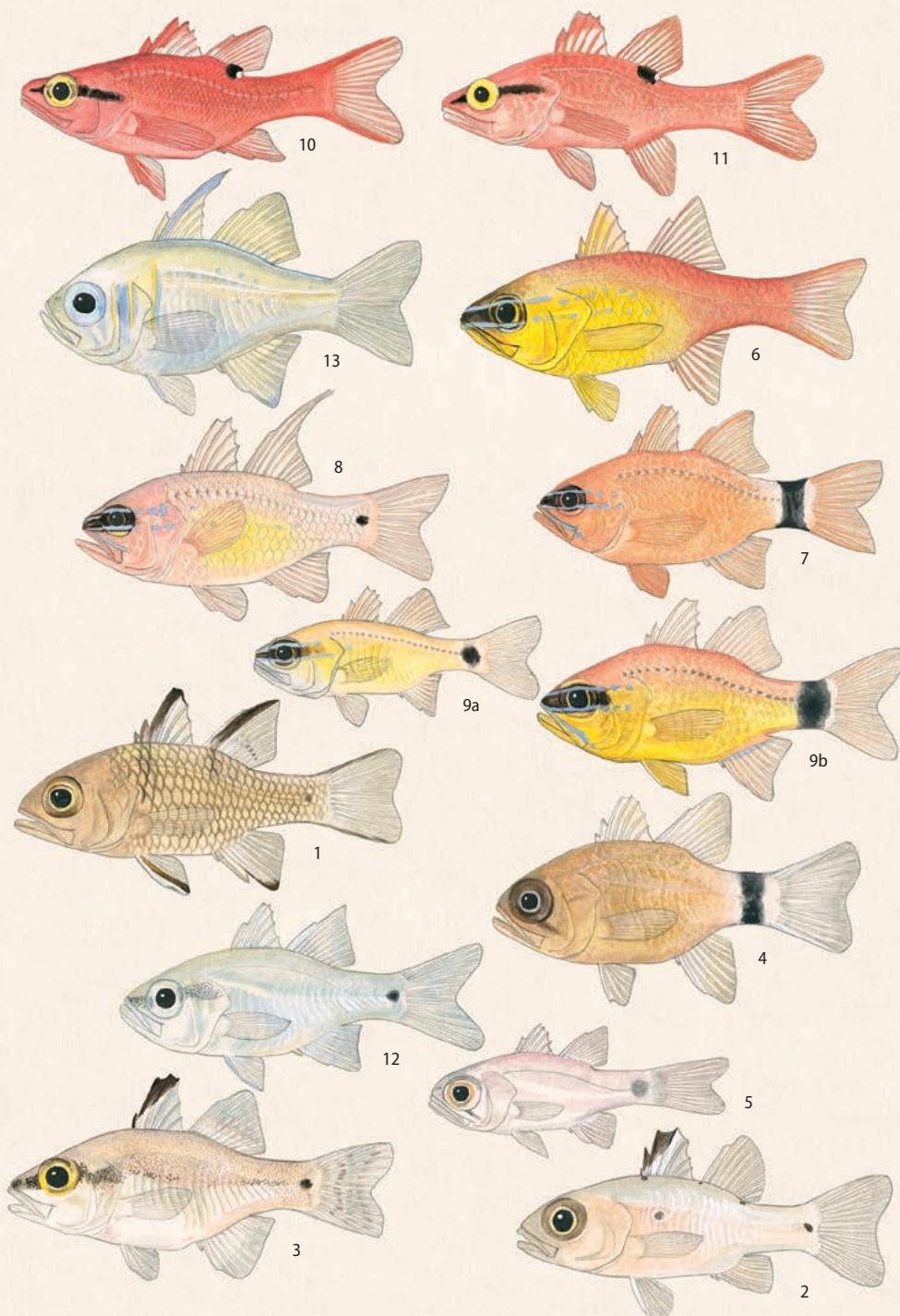
*Apogonichthyoide sialis*, twinbar cardinalfish, ~90 mm SL (India).

KV Arshilesh © CMFRI

*Apogonichthyoide taeniatus*, twobelt cardinalfish, 60 mm TL (Red Sea).

© JE Randall, Bishop Museum

## Family APOGONIDAE, Cardinalfishes



**1** *Apogonichthyooides enigmaticus*, short-tooth cardinalfish, 54 mm SL (Oman). **2** *Apogonichthyooides heptastygma*, 33 mm SL (Red Sea).

**3** *Fibramia thermalis*, half-barred cardinalfish, 51 mm SL (Indonesia). **4** *Nectamia annularis*, ringtail cardinalfish, 54 mm SL (Red Sea).

**5** *Nectamia fusca*, ghost cardinalfish, 2 cm SL, juvenile (Red Sea). **6** *Ostorhinchus apogonoides*, sharp-tooth cardinalfish, 98 mm SL (South Africa).\*

**7** *Ostorhinchus aureus*, ringtailed cardinalfish, 88 mm SL (Oman). **8** *Ostorhinchus flagelliferus*, coachwhip cardinalfish, 135 mm SL (South Africa).

**9** *Ostorhinchus fleurieu*, flower cardinalfish, (a) 32 mm SL, juvenile (Oman), (b) 11 cm SL (South Africa). **10** *Zapogon evermanni*, Evermann's cardinalfish, 70 mm SL (Comoros). **11** *Zapogon isus*, 56 mm SL (Red Sea). **12** *Zoramia fragilis*, fragile cardinalfish, 41 mm SL (Maldives).

**13** *Zoramia leptacantha*, threadfin cardinalfish, 35 mm SL (Maldives).

\* Source: CFSA

## Family APOGONIDAE, Cardinalfishes



*Apogonichthyoides timorensis*, Timor cardinalfish (Red Sea).

© SV Bogorodsky



*Apogonichthys ocellatus*, ocellated cardinalfish, 32 mm SL (Mozambique).

© C Heemstra © NFR-SAJAB



*Apogonichthys perdix*, perdix cardinalfish, 40 mm SL (Comoros).

© R Winterbottom, ROM



*Archamia bleekeri*, golden capped cardinalfish (South Africa).

© DA Polack



*Cercamia eremia*, glassy cardinalfish, 45 mm SL (Solomon Is.).

© JE Randall, Bishop Museum



*Cheilodipterus arabicus*, tiger cardinalfish (Arabian Sea).

© R Field



*Cheilodipterus artus*, wolf cardinalfish (Guam).

© RE Myers



*Cheilodipterus lachneri*, arrowtooth cardinalfish, ~55 mm TL, juvenile (Red Sea).

© JE Randall, Bishop Museum

## Family APOGONIDAE, Cardinalfishes



*Cheilodipterus lachneri*, arrowtooth cardinalfish (Red Sea).

© SV Bogorodsky



*Cheilodipterus macrodon*, large-toothed cardinalfish, juvenile (Red Sea).

© R Field



*Cheilodipterus macrodon*, large-toothed cardinalfish (Red Sea).

© SV Bogorodsky



*Cheilodipterus novemstriatus*, Indian Ocean twospot cardinalfish (Red Sea).

© SV Bogorodsky



*Cheilodipterus persicus*, Persian cardinalfish (Persian/Arabian Gulf).

© R Field



*Cheilodipterus pygmaios*, 45 mm TL (Red Sea).

© JE Randall, Bishop Museum



*Cheilodipterus quinquelineatus*, fivelined cardinalfish (Red Sea).

© SV Bogorodsky



*Fibramia lateralis*, humpback cardinalfish, 64 mm SL (Comoros).

© R Winterbottom, ROM



*Fibramia thermalis*, half-barred cardinalfish (Palau).

© RR Myers



*Foa fo*, weedy cardinalfish (Red Sea).

© JL Rose

## Family APOGONIDAE, Cardinalfishes

*Foa madagascariensis*, 40 mm SL (Tanzania).

© SJ Raredon, Smithsonian Institution

*Fowleria aurita*, crosseye cardinalfish, 45 mm SL (Red Sea).

© JE Randall, Bishop Museum

*Fowleria isostigma*, dotted cardinalfish, 84 mm SL (Red Sea).

© SV Bogorodsky

*Fowleria marmorata*, marbled cardinalfish, 37 mm SL (Solomon Is.).

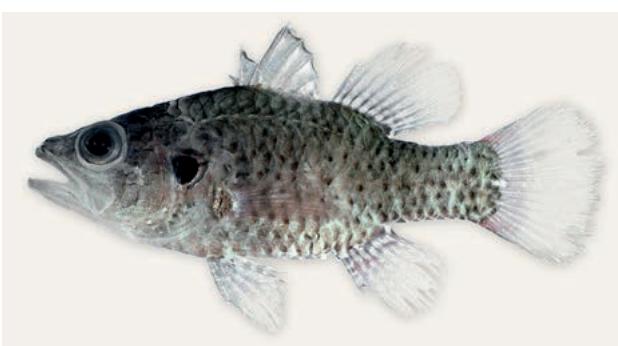
© JE Randall, Bishop Museum

*Fowleria vaiulae*, mottled cardinalfish (Fiji).

© RF Myers

*Fowleria vaiulae*, mottled cardinalfish, 36 mm SL (Red Sea).

© SV Bogorodsky



PC Heemstra © NPF-SAVAB

*Fowleria variegata*, variegated cardinalfish, 53 mm SL (Mauritius).*Fowleria* sp., 45 mm SL (Red Sea).

© SV Bogorodsky

## Family APOGONIDAE, Cardinalfishes



© J.F. Randall, Bishop Museum

*Gymnapogon africanus*, crystal cardinalfish, 33 mm SL (Oman).

© R.Winterbottom, ROM

*Gymnapogon cf. vanderbilti*, 32 mm SL (Comoros).

© J.F. Randall, Bishop Museum

*Holapogon maximus*, titan cardinalfish (Oman).

© A.V.H.heim © IMR

*Jaydia hungi*, 72 mm SL (Seychelles).

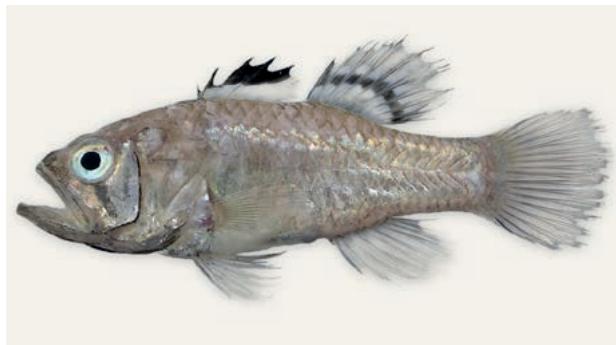
© G.C. © N.R. SAWA

*Jaydia novaeguineae*, 89 mm SL (Kenya).

© T.H. Fraser, FLMNH

*Jaydia quartus*, 50 mm SL, holotype (Mascarene Plateau).

© J.F. Randall, Bishop Museum

*Jaydia queketti*, spotfin cardinalfish, 68 mm SL (India).

© S.V. Bogorodsky

*Jaydia smithi*, Smith's cardinalfish, 82 mm SL (Red Sea).

## Family APOGONIDAE, Cardinalfishes



*Lachneratus phasmaticus*, phantom cardinalfish (Hawaii).

© JE Randall, Bishop Museum



*Lepidamia kalosoma*, pinstripe cardinalfish, adult (Brunei).

© GR Allen



*Lepidamia kalosoma*, pinstripe cardinalfish, 44 mm SL, juvenile (Sri Lanka).

© TH Fraser, FLMNH



*Lepidamia multitaeniatus*, smallscale cardinalfish, 89 mm SL, adult (Red Sea).

© JE Randall, Bishop Museum



*Lepidamia multitaeniatus*, smallscale cardinalfish, 57 mm SL, juvenile (Red Sea).

© TH Fraser, FLMNH



*Lepidamia natalensis*, adult (South Africa).

© DR King



*Lepidamia natalensis*, juvenile (South Africa).

© DR King



*Lepidamia omanensis*, Oman cardinalfish, 126 mm SL, adult (Oman).

© JE Randall, Bishop Museum

## Family APOGONIDAE, Cardinalfishes



*Lepidamia omanensis*, Oman cardinalfish, 37 mm SL, juvenile (Oman).

© JE Randall, Bishop Museum



*Neamia notula*, gillspot cardinalfish, 34 mm SL, abdomen expanded causing barring (Mauritius).

PC Heemstra © NRF-SAJAB



*Neamia octospina*, eightspine cardinalfish, 34 mm SL (New Caledonia).

© R Winterbottom, ROM



*Nectamia annularis*, ringtail cardinalfish (Red Sea).

© RF Myers



*Nectamia fusca*, ghost cardinalfish (Indonesia).

© RH Kuiter



*Nectamia luxuria*, multi-barred cardinalfish (Andaman Sea).

© U Satapoomin, PMBC



*Nectamia savayensis*, Samoan cardinalfish (Indonesia).

© RF Myers



*Nectamia zebrinus* (Red Sea).

© RF Myers

## Family APOGONIDAE, Cardinalfishes



*Ostorhinchus angustatus*, broadstriped cardinalfish (South Africa).

© V Fraser



*Ostorhinchus apogonoides*, sharp-tooth cardinalfish (South Africa).

© J Dench



*Ostorhinchus aureus*, ringtailed cardinalfish (Gulf of Oman).

© R Field



*Ostorhinchus bryx*, offshore cardinalfish, 52 mm SL (Bay of Bengal).

© TH Fraser, FLMNH



*Ostorhinchus cookii*, Cook's cardinalfish (South Africa).

© DR King



*Ostorhinchus cyanosoma*, yellowstriped cardinalfish (South Africa).

© DR King



*Ostorhinchus fasciatus*, broadband cardinalfish, 50 mm SL (Philippines).

© JT Williams, Smithsonian Institution



*Ostorhinchus flagelliferus*, coachwhip cardinalfish (South Africa).

© DR King



*Ostorhinchus fleurieu*, flower cardinalfish (South Africa).

© DA Pollock



*Ostorhinchus fleurieu*, flower cardinalfish, juvenile (Red Sea).

© SV Bogorodsky

## Family APOGONIDAE, Cardinalfishes



© GR Allen

*Ostorhinchus franssedai*, Frans's cardinalfish, ~60 mm TL (Indonesia).

© DR King

*Ostorhinchus fukuii* (South Africa).

© DR King

*Ostorhinchus gularis*, gular cardinalfish (South Africa).

PC Heemstra © NRF-SAIB

*Ostorhinchus gularis*, gular cardinalfish, 55 mm SL (Mozambique).

© R Field

*Ostorhinchus holotaenia*, copperstriped cardinalfish (Gulf of Oman).

© GR Allen

*Ostorhinchus nigripes*, blackfoot cardinalfish, ~70 mm TL (Kenya).

© SV Bogorodsky

*Ostorhinchus nigrofasciatus*, blackstripe cardinalfish (Red Sea).

© TH Fraser, FLMNH

*Ostorhinchus oxina*, 56 mm SL, holotype (India).

## Family APOGONIDAE, Cardinalfishes



© R Winterbottom, ROM

*Ostorhinchus pleuron*, rib-bar cardinalfish, 80 mm SL (Vietnam).

© JF Randall, Bishop Museum

*Ostorhinchus pselion*, 40 mm TL (Red Sea).

© Alvinheim © IMR

*Ostorhinchus spilurus*, 85 mm TL (Seychelles).

© DR King

*Ostorhinchus taeniophorus*, reef-flat cardinalfish (South Africa).

© R Field

*Ostorhinchus cf. wassinki* (Arabian Sea).

© R Winterbottom, ROM

*Pristiopogon abrogramma*, lateralstripe cardinalfish, 93 mm SL (Chagos).

© JE Randall, Bishop Museum

*Pristiopogon exostigma*, narrowstripe cardinalfish, 70 mm TL (Red Sea).

© SV Bogorodsky

*Pristiopogon fraenatus*, bridled cardinalfish, mouth-brooding male (Red Sea).

## Family APOGONIDAE, Cardinalfishes



*Pristiapogon kallopterus*, iridescent cardinalfish, ~110 mm TL (South Africa).

© DA Black



*Pristiapogon taeniopterus*, bandfin cardinalfish, 111 mm SL (Mauritius).

© JE Randall, Bishop Museum



*Pristicon rhodopterus* (Indonesia).

© RH Kuiter



*Pseudamia gelatinosa*, 60 mm SL (Comoros).

© R Winterbottom, ROM



*Pseudamia hayashii*, 49 mm SL (Comoros).

© R Winterbottom, ROM



*Pseudamia tarri*, 37 mm SL, holotype (Persian/Arabian Gulf).

© JE Randall, Bishop Museum



*Pseudamiops gracilicauda* (Marshall Is.).

© JE Randall, Bishop Museum



*Pseudamiops springeri*, 25 mm SL (Red Sea).

© SY Bogorodsky



*Pseudamiops springeri*, 25 mm SL (Red Sea).

© SY Bogorodsky



*Rhabdamia gracilis*, luminous cardinalfish, 46 mm SL (Australia).

© JE Randall, Bishop Museum

## Family APOGONIDAE, Cardinalfishes

*Rhabdamia nigrimentum* (Red Sea).

© JE Randall, Bishop Museum

*Rhabdamia spilota* (Indonesia).

© M Boyer

*Siphamia arabica* (Oman).

© JE Randall, Bishop Museum

*Siphamia goreni*, 21 mm SL (Red Sea).

© SV Bogorodsky

*Siphamia mossambica*, sea urchin cardinalfish, 28 mm SL (South Africa).

© RW Winterbottom, ROM

*Siphamia tubifer* (Red Sea).

© SV Bogorodsky

*Sphaeramia orbicularis*, 95 mm TL (Palau).

© JE Randall, Bishop Museum

*Taeniamia bilineata* (Red Sea).

© SV Bogorodsky

## Family APOGONIDAE, Cardinalfishes



© GR Allen

*Taeniamia buruensis*, Buru cardinalfish (Philippines).

© DR King

*Taeniamia flavofasciata* (South Africa).

© SV Bogorodsky

*Taeniamia lineolata*, shimmering cardinalfish (Red Sea).

© DA Polack

*Taeniamia mozambiquensis*, Mozambique cardinalfish (South Africa).

© G.Gouws © NRC-SAIAB

*Taeniamia pallida*, 57 mm SL (Kenya).

© JE Randall, Bishop Museum

*Taeniamia pallida*, 34 mm SL, holotype (Oman).

© DA Polack

*Taeniamia sansibaricus*, orangelined cardinalfish, ~80 mm TL (South Africa).

© R Winterbottom, ROM

*Verulux cypselurus*, swallowtail cardinalfish, 31 mm SL (Palau).

## Family APOGONIDAE, Cardinalfishes



*Zapogon evermanni*, Evermann's cardinalfish (South Africa).



*Zapogon isus*, 56 mm SL (Red Sea).



*Zoramia leptacantha*, threadfin cardinalfish (Gulf of Aden).

© J.E Randall, Bishop Museum

© DR King

© S Frankenberg, SMF

## Family EPIGONIDAE, Deepwater cardinalfishes



*Epigonus denticulatus*, pencil cardinalfish, 17 cm TL (Melville Seamount).



*Epigonus marisrubri*, Red Sea deepwater cardinalfish, 14 cm TL, preserved holotype (Red Sea).

## Family LUTJANIDAE, Snappers

*Aphareus furca*, smalltooth jobfish (South Africa).*Aphareus rutilans*, rusty jobfish, 37 cm SL (Red Sea).

© SV Bogorodsky

*Etelis carbunculus*, ruby snapper, 25 cm SL (Red Sea).*Etelis carbunculus*, ruby snapper, 22 cm TL (St Brandon Shoals).

O Alvheim © IMR/ASCLME

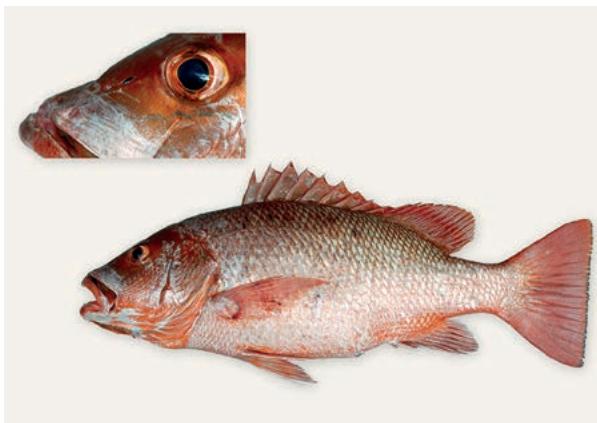
*Etelis coruscans*, flame snapper (Mariana Is.).*Etelis coruscans*, flame snapper, 84 cm FL (Nazareth Bank).

O Alvheim © IMR/ASCLME

*Etelis radiosus*, pale snapper, 15 cm SL (Indonesia).*Lipocheilus carnolabrum*, Tang's snapper, 26 cm SL (Gulf of Aden).

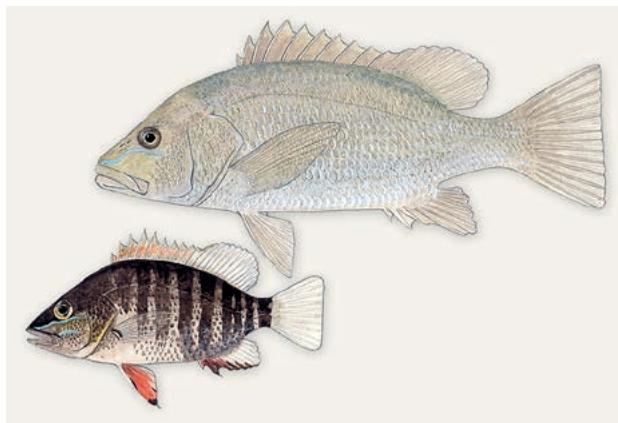
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## Family LUTJANIDAE, Snappers



*Lutjanus argentimaculatus*, mangrove red snapper, 43 cm TL (Mozambique).

O Alvhheim © IMR



*Lutjanus argentimaculatus*, mangrove red snapper, 55 cm TL, adult; 6 cm TL, juvenile (South Africa).

Source: CFSA



*Lutjanus bengalensis*, Bengal snapper, 9 cm TL (N Mozambique).

O Alvhheim © IMR



*Lutjanus biguttatus*, twospot banded snapper (Sri Lanka).

© JE Randall, Bishop Museum



*Lutjanus ehrenbergii*, blackspot snapper, 20 cm SL (Aldabra).

A Northrop © NRF-SAIAB



*Lutjanus fulviflamma*, dory snapper, ~17 cm TL (South Africa).

P Heemstra © NRF-SAIAB



*Lutjanus fulviflamma*, dory snapper, 9 cm SL (Seychelles).

P Heemstra © NRF-SAIAB



*Lutjanus fulviflamma*, dory snapper (Gulf of Oman).

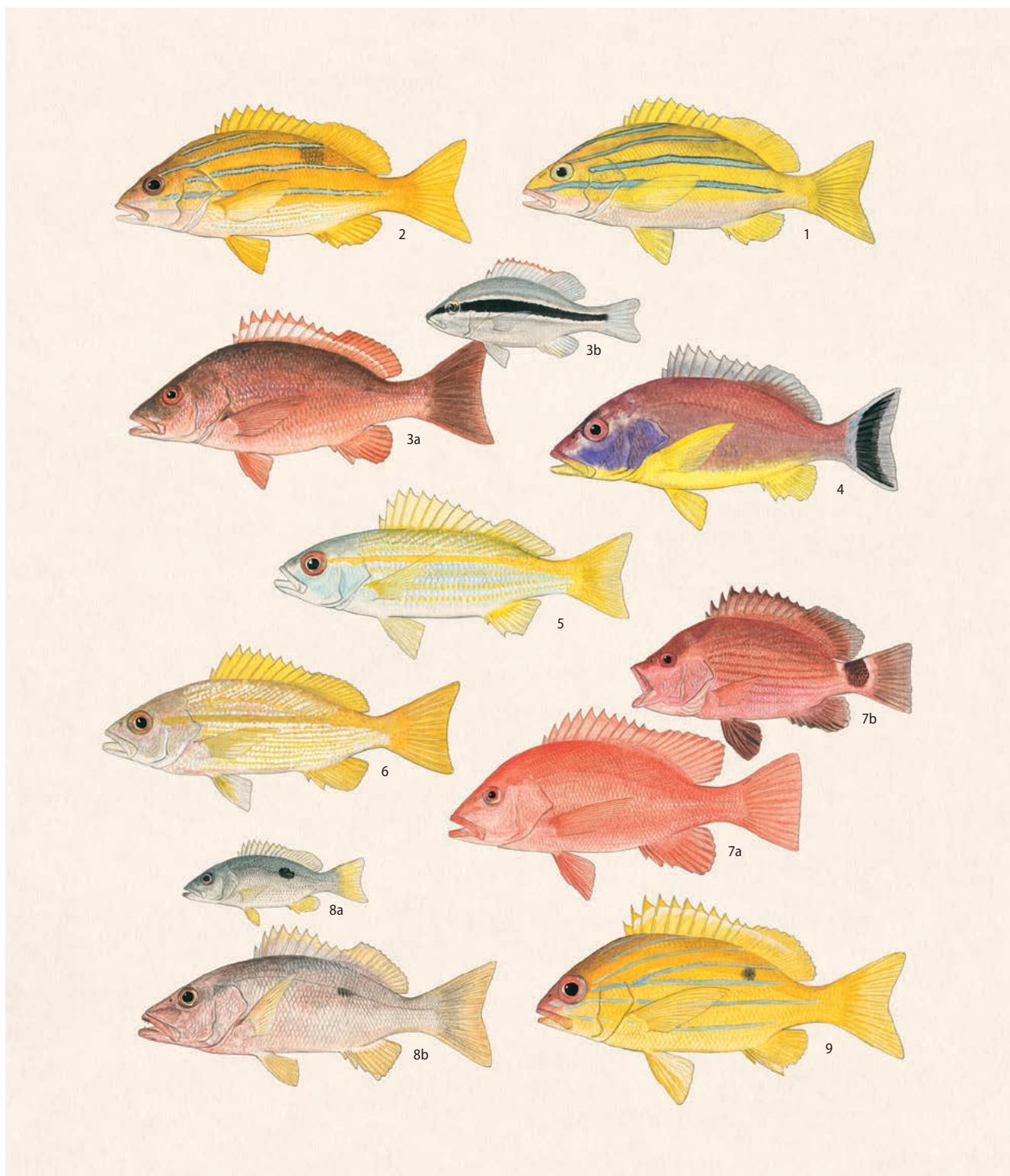
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## Family LUTJANIDAE, Snappers



- 1** *Lutjanus biguttatus*, twospot banded snapper, ~15 cm TL (Sri Lanka). **2** *Lutjanus bohar*, twinspot snapper, 25 cm SL (Seychelles).  
**3** *Lutjanus coeruleolineatus*, bluelined snapper, 26 cm SL (Indian Ocean). **4** *Lutjanus decussatus*, chequered snapper, 20 cm SL (Indian Ocean).  
**5** *Lutjanus ehrenbergii*, blackspot snapper, 18 cm SL (Red Sea). **6** *Lutjanus erythropterus*, crimson snapper, (a) 30 cm SL, (b) 5 cm SL, juvenile (both Indian Ocean). **7** *Lutjanus fulviflamma*, dory snapper, (a) 10 cm SL (Taiwan), (b) 22 cm SL (Seychelles). **8** *Lutjanus fulvus*, blacktail snapper, (a) 22 cm SL (South Africa), (b) 5 cm SL (Japan). **9** *Lutjanus gibbus*, humpback snapper, (a) 9 cm SL, juvenile (Japan), (b) 24 cm SL (Comoros).  
**10** *Lutjanus guilcheri*, yellowfin red snapper (WIO). **11** *Lutjanus johnii*, silver snapper, (a) 12 cm SL (Japan), (b) 23 cm SL (India).

## Family LUTJANIDAE, Snappers



- 1** *Lutjanus bengalensis*, Bengal snapper, ~23 cm TL (South Africa). **2** *Lutjanus kasmira*, bluestriped snapper, 22 cm SL (South Africa).  
**3** *Lutjanus lemniscatus*, yellowstreak snapper, **(a)** 21 cm SL (India), **(b)** juvenile (Thailand). **4** *Lutjanus lunulatus*, lunartail snapper, 27 cm SL (Sri Lanka).  
**5** *Lutjanus lutjanus*, bigeye yellowstriped snapper, 18 cm SL (South Africa). **6** *Lutjanus madras*, Madras snapper, 21 cm SL (Seychelles).  
**7** *Lutjanus malabaricus*, Malabar snapper, **(a)** 33 cm SL (Indonesia), **(b)** 21 cm SL (South Africa).\* **8** *Lutjanus monostigma*, onespot snapper, **(a)** 5 cm SL (Japan), **(b)** 25 cm SL (Solomon Is.). **9** *Lutjanus notatus*, southern blue-striped snapper, 14 cm SL (South Africa).

\* unconfirmed from South Africa

## Family LUTJANIDAE, Snappers



**1** *Lutjanus indicus*, Indian snapper, 22 cm SL (Sri Lanka). **2** *Lutjanus russelli*, Russell's snapper, 5 cm SL (Indonesia). # **3** *Lutjanus sanguineus*, blood snapper, (a) 60 cm SL (Kenya), (b) 15 cm SL, juvenile (South Africa). **4** *Lutjanus sebae*, emperor snapper, (a) 40 cm SL (Kenya), (b) 8 cm SL, juvenile (Japan). **5** *Lutjanus vitta*, brownstripe snapper, (a) 5 cm SL, juvenile (Thailand), (b) adult (Australia). **6** *Macolor macularis*, midnight snapper, (a) adult (Australia), (b) 2 cm SL (Indonesia). **7** *Macolor niger*, black and white snapper, (a) 3 cm SL, small juvenile (Japan), (b) 35 cm TL, juvenile (Mozambique), (c) 40 cm TL (Indian Ocean). **8** *Pinjalo lewisi*, slender pinjalo, 27 cm SL (Philippines). **9** *Pinjalo pinjalo*, pinjalo, 45 cm SL (Oman).

# = no species account

## Family LUTJANIDAE, Snappers



- 1** *Aphareus furca*, smalltooth jobfish, 25 cm SL (South Africa). **2** *Aphareus rutilans*, rusty jobfish, 47 cm SL (Mozambique). **3** *Aprion virescens*, green jobfish, 27 cm TL (Mauritius). **4** *Etelis carbunculus*, ruby snapper, 25 cm SL (South Africa). **5** *Etelis coruscans*, flame snapper, 37 cm SL (Mauritius). **6** *Pristipomoides argyrogrammicus*, ornate jobfish, 25 cm SL (Comoros). **7** *Pristipomoides auricilla*, goldflag jobfish, 24 cm SL, male (Comoros). **8** *Pristipomoides filamentosus*, rosy jobfish, 25 cm SL (South Africa). **9** *Pristipomoides multidens*, goldbanded jobfish, 25 cm SL (Kenya). **10** *Pristipomoides sieboldii*, lavender jobfish, 30 cm SL (Kenya). **11** *Pristipomoides typus*, sharptooth jobfish, 30 cm SL (Comoros). **12** *Pristipomoides zonatus*, obliquebanded snapper, 17 cm SL (Mauritius).

## Family LUTJANIDAE, Snappers



R Bills © NFR-SAJAB

*Lutjanus fulvus*, blacktail snapper, 2 cm SL (N Mozambique).

© A Lund

*Lutjanus gibbus*, humpback snapper, ~10 cm TL, juvenile (S Mozambique).

PC Heemstra © NFR-SAJAB

*Lutjanus guilcheri*, yellowfin red snapper, 25 cm SL (Mozambique).

© JE Randall, Bishop Museum

*Lutjanus indicus*, Indian snapper, 23 cm SL, holotype (Sri Lanka).

© JE Randall, Bishop Museum

*Lutjanus kasmira*, bluestriped snapper (Oman).

O Alveheim © IMR

*Lutjanus lutjanus*, bigeye yellowstriped snapper, 17 cm SL (top);  
*L. madras*, Madras snapper, 27 cm SL (bottom) (both Seychelles Bank).

© FTanaka, MUFS

*Lutjanus madras*, Madras snapper, 22 cm SL (Sri Lanka).

A Northrop © NFR-SAJAB

*Lutjanus monostigma*, onespot snapper, 19 cm SL (Aldabra).

## Family LUTJANIDAE, Snappers



*Lutjanus monostigma*, onespot snapper (South Africa).

© J Denehy



*Lutjanus notatus*, southern bluestriped snapper, 16 cm TL (N Mozambique).

© Alvheim © IMR



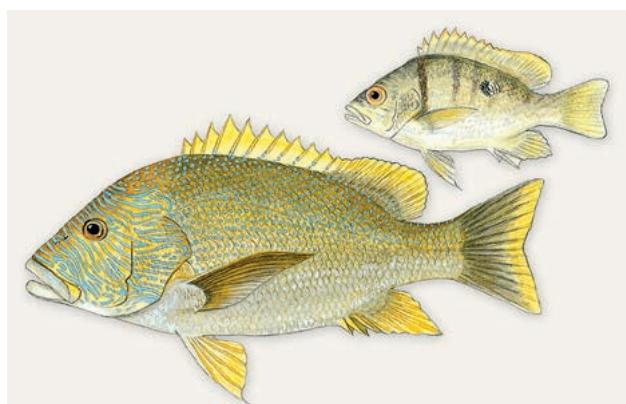
*Lutjanus octolineatus*, whitebelly snapper (Réunion).

© A Dringier



*Lutjanus quinquelineatus*,五 stripe snapper (Sri Lanka).

© JE Randall, Bishop Museum



Source: CFSA

*Lutjanus rivulatus*, speckled snapper, 62 cm TL, adult; 11 cm TL juvenile (South Africa).



*Lutjanus rufolineatus*, yellowstriped snapper, 11 cm SL (Indonesia).

© JE Randall, Bishop Museum



© B Ring

*Lutjanus sanguineus*, blood snapper (South Africa).



*Lutjanus sanguineus*, blood snapper, subadult (South Africa).

© DR King

## Family LUTJANIDAE, Snappers



*Lutjanus sapphirolineatus*, Arabian bluestriped snapper, 15 cm SL, holotype (Oman).

© Y Iwatsuki, MUFS



*Lutjanus sebae*, emperor snapper, 45 cm SL (Red Sea).

© SV Bogorodsky



*Lutjanus xanthopinnis*, yellowfin snapper, 16 cm SL, holotype (Japan).

© F Tanaka, MUFS



*Macolor macularis*, midnight snapper, adult (Indonesia).

S Chater © ORI/SAMBR



*Macolor macularis*, midnight snapper, ~6 cm TL, juvenile (Indonesia).

© DA Pollock



*Macolor niger*, black and white snapper, 35 cm TL (Maldives).

© JF Randal, Bishop Museum



*Macolor niger*, black and white snapper, subadult (South Africa).

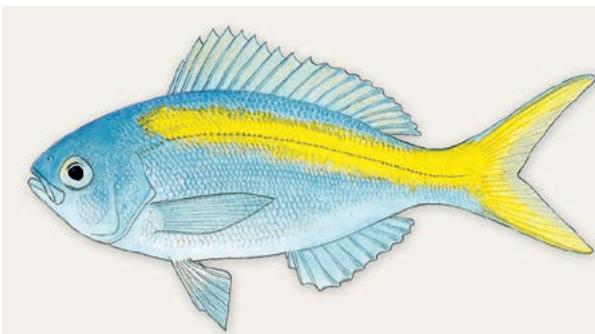
© J Denech



*Paracaesio sordida*, rustyfin snapper, 27 cm SL (South Africa).

PC Heemstra © NRF-SAIB

## Family LUTJANIDAE, Snappers



*Paracaeo xanthura*, yellowtail blue snapper, 19 cm TL (South Africa).

Source: CFSA



*Paracaeo xanthura*, yellowtail blue snapper, 55 cm TL (Walters Shoals).

A Dyer © NRF-SAAAB



*Pinjalo lewisi*, slender pinjalo (New Guinea).

© K Honeycutt



*Pinjalo pinjalo*, pinjalo, 21 cm SL (Qatar).

© SV Bogorodsky



*Pristipomoides auricilla*, goldflag jobfish, 11 cm SL, juvenile (Mascarene Ridge).

© Aulheim © IMR/ASCLME



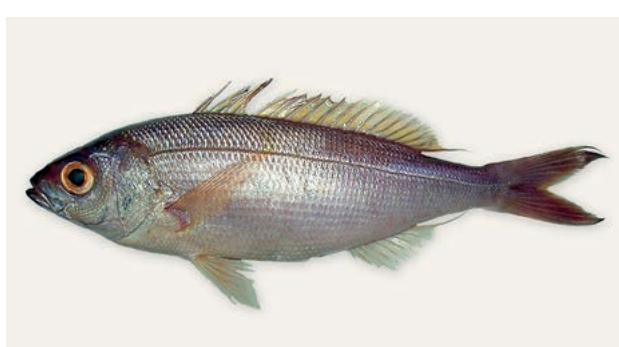
*Pristipomoides auricilla*, goldflag jobfish, 24 cm SL (Comoros).

PC Heemstra © NRF-SAAAB



*Pristipomoides multidens*, goldbanded jobfish, 31 cm SL (Red Sea).

© SV Bogorodsky



*Pristipomoides sieboldii*, lavender jobfish, 18 cm SL (South Africa).

AD Connell © NRF-SAAAB

## Family LUTJANIDAE, Snappers



© JE Randall, Bishop Museum

*Pristipomoides typus*, sharptooth jobfish, 30 cm SL (Philippines).

## Family CAESIONIDAE, Fusiliers



© A Sunstrop

*Caesio caerulaurea*, blue and gold fusiliers (Madagascar).

© SY Bogorodsky

*Caesio lunaris*, lunar fusilier (Red Sea).

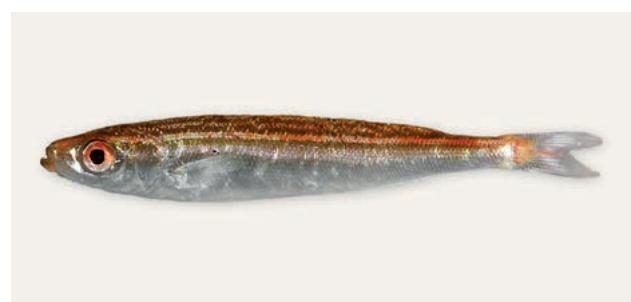
© DA Peckar

*Caesio teres*, yellow-and-blueback fusilier (South Africa).

© SY Bogorodsky

*Caesio varilineata*, variable-lined fusiliers (Red Sea).

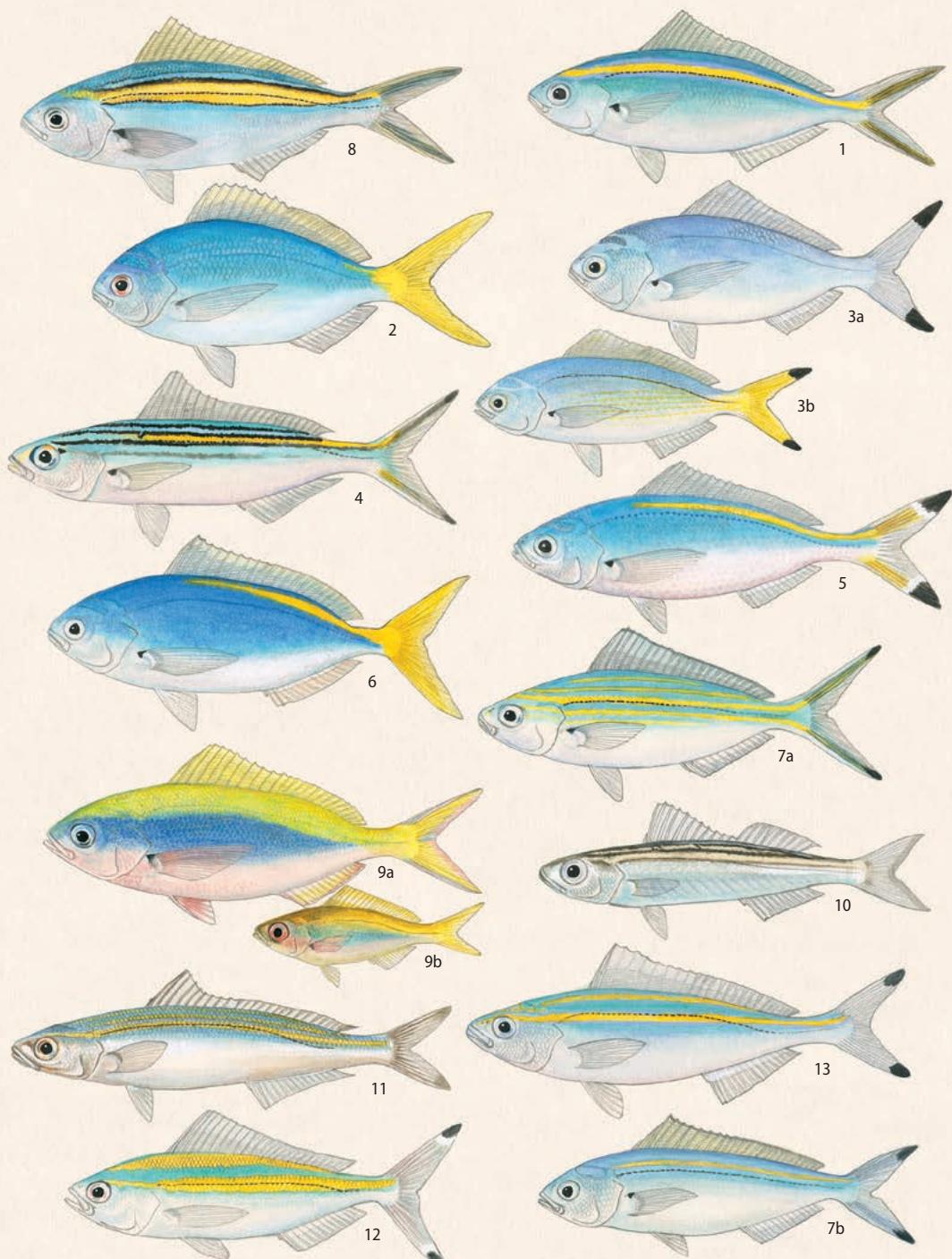
E Heemstra © NRF-SAIAB

*Caesio xanthalytos*, goldsash fusilier, 9 cm SL, juvenile, paratype (Madagascar).

PC Heemstra © NRF-SAIAB

*Dipterygonotus balteatus*, mottled fusilier, 8 cm SL (Mozambique).

## Family CAESIONIDAE, Fusiliers



**1** *Caesio caerulaurea*, blue and gold fusilier, 21 cm SL (Maldives). **2** *Caesio cuning*, redbelly yellowtail fusilier, 16 cm SL (Japan). **3** *Caesio lunaris*, lunar fusilier, (a) 20 cm SL (Oman), (b) no size (Red Sea). **4** *Caesio striata*, striped fusilier, 13 cm SL (Red Sea). **5** *Caesio suevica*, Suez fusilier, 18 cm SL (Red Sea). **6** *Caesio teres*, yellow-and-blueback fusilier, 24 cm SL (Mauritius). **7** *Caesio varilineata*, variable-lined fusilier, (a) 17 cm SL (Oman), (b) 19 cm SL (South Africa). **8** *Caesio xanthalytos*, goldsash fusilier, ~13 cm SL (South Africa).\* **9** *Caesio xanthonota*, yellowback fusilier, (a) 12 cm TL, subadult (Comoros), (b) 7 cm TL, juvenile (South Africa).\* **10** *Dipterygonotus balteatus*, mottled fusilier, 8 cm TL (Oman). **11** *Gymnoaesio gymnoptera*, slender fusilier, 11 cm SL (Maldives). **12** *Pterocaesio flavifasciatus*, yellowstripe fusilier, ~20 cm TL (Indonesia). **13** *Pterocaesio marri*, Marr's fusilier, 20 cm SL (South Africa).

\* Source: CFSA

## Family CAESIONIDAE, Fusiliers



**1** *Pterocaesio chrysozona*, goldband fusilier, 11 cm SL (Maldives). **2** *Pterocaesio lativittata*, wideband fusilier, 11 cm SL (Indian Ocean).  
**3** *Pterocaesio pisang*, banana fusilier, 11 cm SL (South Africa). **4** *Pterocaesio tessellata*, one-stripe fusilier, 10 cm SL (Indonesia). **5** *Pterocaesio tile*, dark-banded fusilier, (a) 17 cm SL (Marshall Is.), (b) 17 cm SL (South Africa). **6** *Pterocaesio trilineata*, three-stripe fusilier, 10 cm SL (Maldives).



*Caesio cuning*, redbelly yellowtail fusilier (Indonesia).



*Caesio xanthonota*, yellowback fusilier (Indonesia).

© W Osborn

## Family CAESIONIDAE, Fusiliers



© SV Bogorodsky

*Gymnoaesio gymnoptera*, slender fusilier (Red Sea).

© R Winterbottom, ROM

*Pterocaesio capricornis*, Capricorn fusilier, 16 cm SL (Comoros).

© SV Bogorodsky

*Pterocaesio chrysozona*, goldband fusilier (Red Sea).

© RH Kuiter

*Pterocaesio flavifasciata*, yellowstripe fusilier (Indonesia).

© DA Polack

*Pterocaesio marri*, Marr's fusilier (South Africa).

© DA Polack

*Pterocaesio pisang*, banana fusilier (Indonesia).

© S Polack

*Pterocaesio tessellata*, one-stripe fusilier, ~10 cm TL (South Africa).

© DA Polack

*Pterocaesio trilineata*, three-stripe fusilier (Indonesia).

## Family SYMPHYSANODONTIDAE, Slopefishes



© MV Chesalin

*Symphysanodon andersoni*, bucktooth slopefish, 20 cm SL (Oman).

© A Baranes

*Symphysanodon disii*, Disi's slopefish, 16 cm SL (Gulf of Aqaba).

© A Barrière

*Symphysanodon piton delaournaisi*, Réunion slopefish, 10 cm SL (Réunion).

O Alvhelm © IMR/ASCLME

*Symphysanodon ?rhab*, Maldives slopefish (Nazareth Bank).

O Alvhelm © IMR/ASCLME

*Symphysanodon* sp. 1 (Nazareth Bank). #

R Palmer © NPF/ASCLME

*Symphysanodon* sp. 2 (South Africa). #

KK Binnesh © CMFRI

*Symphysanodon xanthopterygion*, Indian slopefish, 15 cm SL (SW India).

# = no species account

## Family HAEMULIDAE, Grunters, rubberlips



*Diagramma centurio*, sailfin rubberlips, ~70 cm TL (South Africa).

© DA Pollock



*Diagramma centurio*, sailfin rubberlips, 9 cm TL, juvenile (N Mozambique).

© Alvheim © IMR



*Diagramma centurio*, sailfin rubberlips, 45 cm SL (Seychelles).

© C Heemstra © NPF SAIBAB



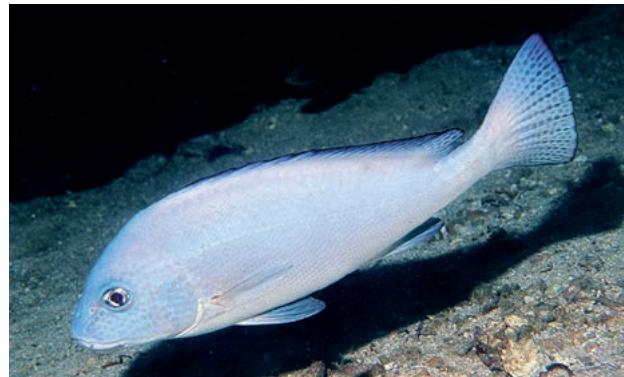
*Diagramma cinerascens*, ashen rubberlips, ~17 cm TL, juvenile (Arabian Sea).

© R Field



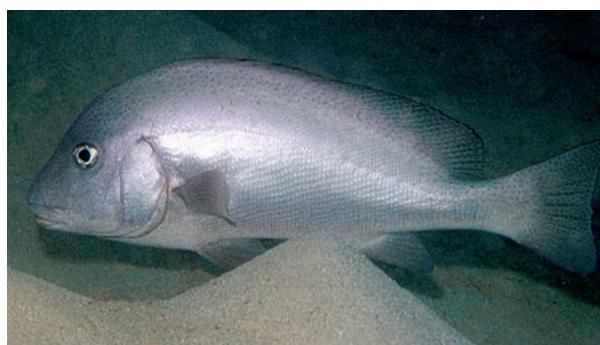
*Diagramma cinerascens*, ashen rubberlips, ~18 cm TL (Arabian Sea).

© R Field



*Diagramma cinerascens*, ashen rubberlips, ~24 cm TL (Gulf of Oman).

© R Field



*Diagramma punctatum*, spotted rubberlips (Red Sea).

© R Field



*Diagramma punctatum*, spotted rubberlips (Red Sea).

© R Field

## Family HAEMULIDAE, Grunters, rubberlips



**1** *Diagramma cinerascens*, ashen rubberlips, **(a)** juvenile (Oman), **(b)** 15 cm TL, subadult (Persian/Arabian Gulf), **(c)** adult (Oman).

**2** *Diagramma punctatum*, spotted rubberlips, **(a)** 23 cm SL, **(b)** 18 cm SL, subadult, **(c)** juvenile (all Red Sea). **3** *Plectorhinchus albovittatus*, giant rubberlips, **(a)** 21 cm SL (Sri Lanka), **(b)** 9 cm TL, juvenile, **(c)** 52 cm TL (both Mozambique). **4** *Plectorhinchus chubbi*, dusky rubberlips, 39 cm SL (South Africa). **5** *Plectorhinchus flavomaculatus*, lemon rubberlips, **(a)** 8 cm SL, juvenile, **(b)** 46 cm SL (both South Africa). **6** *Plectorhinchus gaterinus*, blackspotted rubberlips, **(a)** 5 cm SL, juvenile, **(b)** 12 cm SL, subadult (both Red Sea), **(c)** ~35 cm SL (South Africa). **7** *Plectorhinchus gibbosus*, Harry hotlips, **(a)** ~5 cm TL (Madagascar), **(b)** 3 cm SL (Red Sea). **8** *Plectorhinchus lessonii*, striped rubberlips (Indian Ocean). **9** *Plectorhinchus sordidus*, sombre rubberlips, **(a)** 6 cm SL, juvenile (Oman), **(b)** 18 cm SL (Persian/Arabian Gulf).

## Family HAEMULIDAE, Grunters, rubberlips



**1** *Plectrinchus chaetodonoides*, harlequin rubberlips, **(a)** ~5cm TL, juvenile (Indonesia), **(b)** 19 cm SL, subadult (Palau), **(c)** 40+ cm TL (Maldives).

**2** *Plectrinchus griseus*, grey rubberlips, 21 cm SL (India). **3** *Plectrinchus paulayi*, slantstriped rubberlips, ~40 cm TL (Seychelles). **4** *Plectrinchus pictus*, dorsal-spotted rubberlips, **(a)** 14 cm SL, juvenile, **(b)** 32 cm SL (both Persian/Arabian Gulf). **5** *Plectrinchus picus*, spotted rubberlips, **(a)** 54 cm SL (Australia), **(b)** ~2 cm TL, juvenile (Mauritius), **(c)** 33 cm SL (Mauritius). **6** *Plectrinchus plagiodesmus*, obliquebarred rubberlips, 31 cm TL (South Africa).

**7** *Plectrinchus playfari*, whitebarred rubberlips, 48 cm TL, adult (South Africa). **8** *Plectrinchus polytaenia*, ribboned rubberlips, 31 cm SL (Indian Ocean). **9** *Plectrinchus schotaf*, minstrel rubberlips, 25 cm TL (Oman). **10** *Plectrinchus vittatus*, oriental rubberlips, **(a)** 2 cm SL, juvenile (Seychelles), **(b)** 14 cm SL, subadult (Comoros), **(c)** 36 cm SL (Seychelles). **11** *Pomadasys aheneus*, yellowback grunter, ~1 cm TL, juvenile (Oman).

## Family HAEMULIDAE, Grunters, rubberlips



- 1** *Pomadasys argenteus*, silver grunter, 22 cm TL (Oman). **2** *Pomadasys commersonii*, spotted grunter, (a) 79 cm TL, adult, (b) 8 cm TL, juvenile (both South Africa).\* **3** *Pomadasys furcatus*, banded grunter, 22 cm SL (Mozambique). **4** *Pomadasys guoraca*, blacktail grunter, 17 cm SL (Sri Lanka). **5** *Pomadasys kaakan*, javelin grunter, (a) 45 cm SL, adult, (b) 24 cm TL, juvenile (both South Africa).\* **6** *Pomadasys maculatus*, saddle grunter, 14 cm SL (Mozambique). **7** *Pomadasys multimaculatus*, cock grunter, 60 cm TL (Kenya). **8** *Pomadasys olivaceus*, olive grunter, (a) 7 cm TL, juvenile, (b) 15 cm TL, adult (both South Africa).\* **9** *Pomadasys punctulatus*, lined grunter, 18 cm TL (Oman). **10** *Pomadasys striatus*, striped grunter, (a) 15 cm TL, dark form, (b) 11 cm TL, pale form (both South Africa).\* **11** *Pomadasys taeniatus*, bronzestriped grunter, 14 cm SL (Oman).

\* Source: CFSA

## Family HAEMULIDAE, Grunters, rubberlips



*Plectrohinus albovittatus*, giant rubberlips (Red Sea).

© R Field



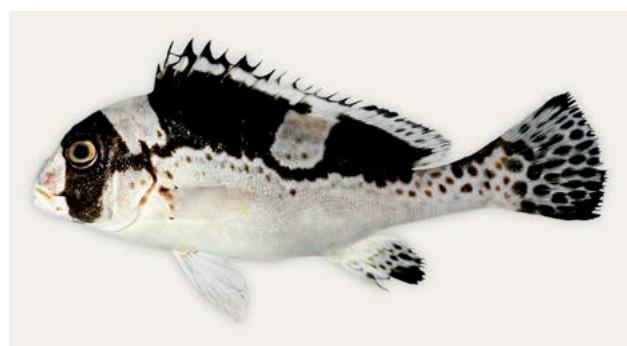
*Plectrohinus flavomaculatus*, lemon rubberlips (South Africa).

© N Ayifffe



*Plectrohinus gaterinus*, blackspotted rubberlips, subadult (Red Sea).

© SV Bogorodsky



*Plectrohinus picus*, spotted rubberlips, 23 cm SL, juvenile (Mauritius).

PC Heemstra © NRF-SAIB



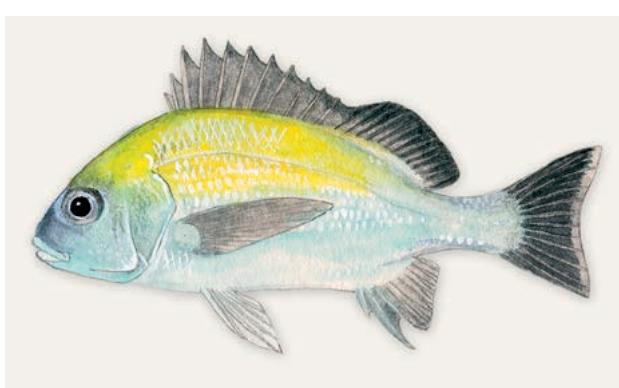
*Plectrohinus plagiodesmus*, obliquebarred rubberlips (South Africa).

© J Dench



*Plectrohinus schotaf*, minstrel rubberlips (South Africa).

© J Dench



*Pomadasys aheneus*, yellowback grunter, 17 cm SL (Oman).

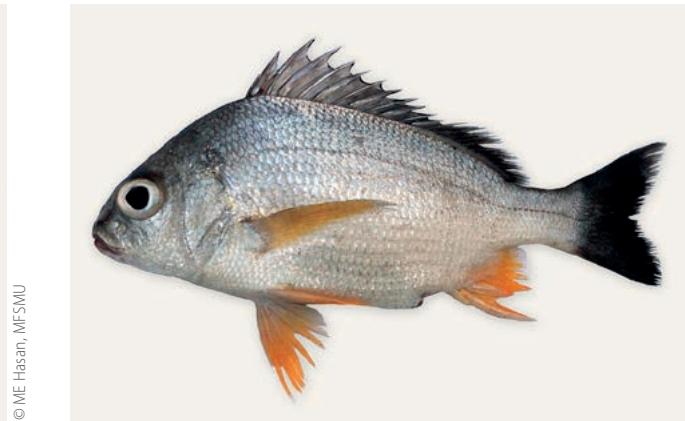
© SV Bogorodsky



*Pomadasys argenteus*, silver grunter, 25 cm SL (Red Sea).

Family **HAEMULIDAE**, Grunters, rubberlips

Pomadasys argyreus, white grunter, 13 cm SL (Bangladesh).



Pomadasys guoraca, blacktail grunter, 18 cm SL (Bangladesh).



Pomadasys laurentino, manylined grunter (Madagascar).



Pomadasys stridens, tripleline grunter, 14 cm SL (Gulf of Suez).

© ME Hasan, MFSMU

© SV Bogorodsky

Family **DINOPERCIDAE**, Cavebasses

Source: CFSA

Dinoperca petersi, cavebass, 5 cm TL, juvenile; 19 cm TL, subadult (both South Africa).

## Family SPARIDAE, Seabreams, porgies



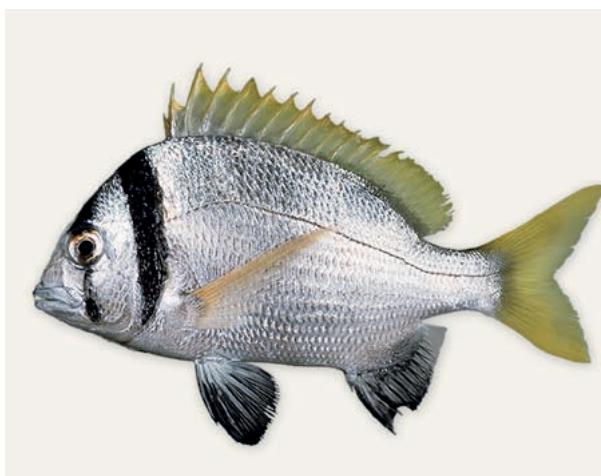
*Acanthopagrus arabicus*, Arabian yellowfin seabream, 17 cm SL, holotype (Persian/Arabian Gulf).

© Y. Iwatsuki, MUFFS



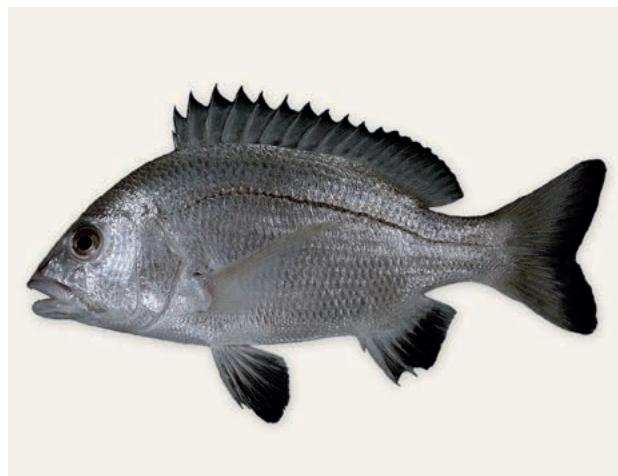
*Acanthopagrus berda*, riverbream, 20 cm SL (Sri Lanka).

© JE Randall, Bishop Museum



*Acanthopagrus bifasciatus*, twobar seabream, 16 cm SL (Red Sea).

© JE Randall, Bishop Museum



*Acanthopagrus omanensis*, black-margined seabream, 15 cm SL (Oman).

© JE Randall, Bishop Museum



*Acanthopagrus randalli*, Middle East black seabream, 33 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum



*Acanthopagrus sheim*, spotted yellowfin seabream, 11 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

## Family SPARIDAE, Seabreams, porgies



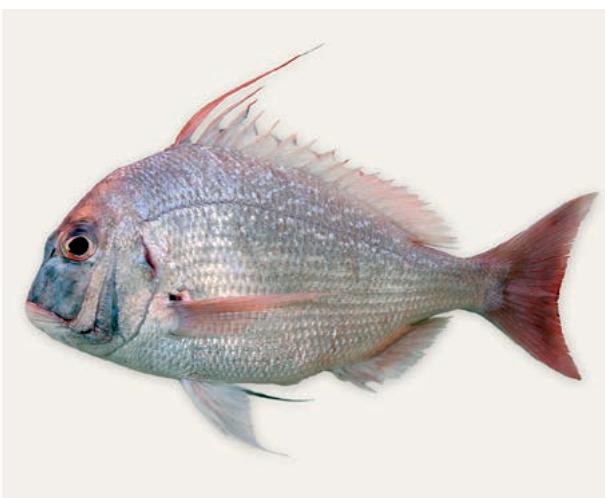
*Acanthopagrus sheim*, spotted yellowfin seabream, 17 cm SL, holotype (Persian/Arabian Gulf).

© Y Iwatsuki, MUFS



*Acanthopagrus vagus*, wandering seabream, 28 cm SL (South Africa).

PC Heemstra © NRF-SANBI



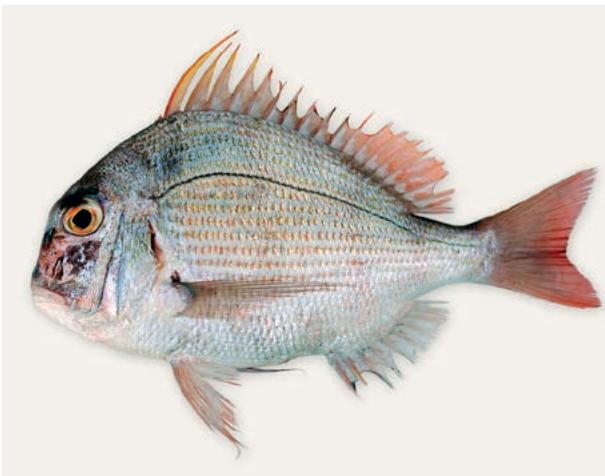
*Argyrops caeruleops*, bluesnout soldierbream, 26 cm SL (Oman). #

© Y Iwatsuki, MUFS



*Argyrops filamentosus*, soldierbream, 13 cm SL (Mozambique).

O Aulheim © IMR



*Argyrops flavops*, yellowsnout soldierbream, 20 cm SL (Oman). #

© Y Iwatsuki, MUFS



*Argyrops megalommatus*, Red Sea soldierbream, 17 cm SL (Red Sea). #

© JE Randal, Bishop Museum

# = no species account

## Family SPARIDAE, Seabreams, porgies



*Argyrops spinifer*, king soldierbream, 33 cm SL (Red Sea).

© JF Randall, Bishop Museum



*Argyrops spinifer*, king soldierbream, 18 cm SL (Mozambique).

PC Heemstra © NRF-SAIAB



*Argyrozona argyrozona*, carpenter (South Africa).

© RW Leslie



*Boops lineatus*, striped boga, 9 cm SL (Oman).

© D Stevens, OMMFC



*Boops lineatus*, striped boga (centre) with *Mulloidichthys ayliffe* (Oman).

© R Field



*Boopoidea inornata*, Transmadam (South Africa).

D Warmerdam © Two Oceans Aquarium

## Family SPARIDAE, Seabreams, porgies



© J.F.Randall, Bishop Museum

*Cheimerius nufar*, santer seabream, 25 cm SL (South Africa).

© J.F.Randall, Bishop Museum

*Chrysoblephus anglicus*, Englishman seabream, 25 cm SL (South Africa).

© C Fouré

*Chrysoblephus cristiceps*, daggerhead seabream (South Africa).

D Warmerdam © Two Oceans Aquarium

*Chrysoblephus gibbiceps*, red stumpnose (South Africa).

A Götz © NRI-SAFON

*Chrysoblephus gibbiceps*, red stumpnose (South Africa).

D Warmerdam © Two Oceans Aquarium

*Chrysoblephus laticeps*, Roman (South Africa).

## Family SPARIDAE, Seabreams, porgies



*Chrysoblephus laticeps*, Roman, juvenile (South Africa).

© G Ziliavez, SURG



*Chrysoblephus lophus*, false Englishman seabream (South Africa).

R Palmer © NRF-SALAB



*Chrysoblephus puniceus*, slinger seabream, juvenile (South Africa).

© DR King



*Chrysoblephus puniceus*, slinger seabream, 19 cm SL (South Africa).

© JE Randall, Bishop Museum



*Crenidens crenidens*, karanteen seabream, 15 cm SL (Red Sea).

© JE Randall, Bishop Museum



*Crenidens indicus*, Day's karanteen seabream, 17 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

## Family SPARIDAE, Seabreams, porgies



*Crenidens indicus*, Day's karanteen seabream, 15 cm SL  
(Persian/Arabian Gulf).

© Y Iwatsuki, MUFS



*Cymatoceps nasutus*, black musselcracker (South Africa).

© G Spilby



*Diplodus capensis*, blacktail seabream, 16 cm SL (Oman).

© Y Iwatsuki, MUFS



*Diplodus hottentotus*, zebra (South Africa).

© B Mann, OR/SAAMBR



*Diplodus kotschy*, one-spot seabream, 11 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum



*Diplodus noct*, Red Sea seabream (Red Sea).

© SV Bogorodsky

## Family SPARIDAE, Seabreams, porgies



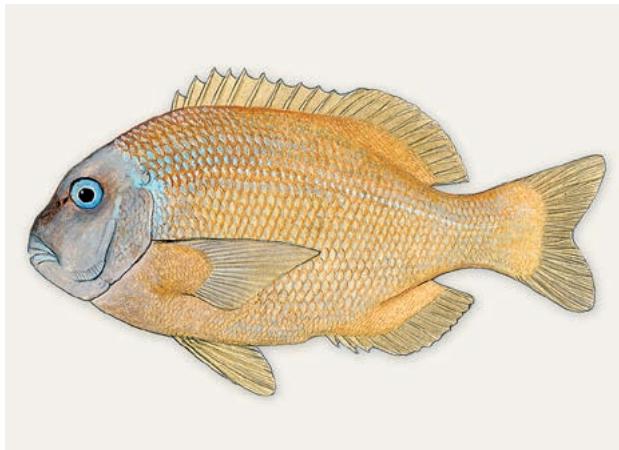
*Diplodus noct*, Red Sea seabream, 10 cm SL (Red Sea).

© JE Randall, Bishop Museum



*Diplodus omanensis*, Oman porgy, 30 cm TL (Oman).

© Y Iwatsuki, MUFS



*Gymnocrataphus curvidens*, Janbruin, 26 cm TL (South Africa).

Source: CFSA



*Gymnocrataphus curvidens*, Janbruin (South Africa).

© DR King



*Lithognathus lithognathus*, white steenbras, ~1 m TL (South Africa).

© DA Reiback



*Lithognathus mormyrus*, sand steenbras, 14 cm SL (South Africa).

© JE Randall, Bishop Museum

## Family SPARIDAE, Seabreams, porgies

*Pachymetopon aeneum*, blue hottentot (South Africa).

© B Mann, ORI/SAAMBR

*Pachymetopon aeneum*, blue hottentot (South Africa).

DWarmerdam © Two Oceans Aquarium

*Pachymetopon blochii*, hottentot (South Africa).

© M Farquhar, Two Oceans Aquarium

*Pachymetopon grande*, bronze seabream (South Africa).

© B Mann, ORI/SAAMBR

*Pagellus affinis*, Arabian pandora, 21 cm SL (Oman).

© Y Iwatsuki, MUFS

*Pagellus natalensis*, Natal pandora (South Africa).

AD Connell © NRF-SAIB

*Petrus rupestris*, red steenbras, 1.5 m TL, adult; 29 cm TL, juvenile (South Africa).

Source: CFS

*Petrus rupestris*, red steenbras (South Africa).

© G Spiby

## Family SPARIDAE, Seabreams, porgies



*Polyamblyodon germanum*, German seabream, 26 cm SL (South Africa).

© B Mann, ORI/SAMBR



*Polyamblyodon gibbosum*, knifeback seabream, ~35 cm SL (South Africa).

© DA Pollock



*Polysteganus baissaci*, Frenchman seabream, 28 cm SL (Mauritius).

© JE Randall, Bishop Museum



*Polysteganus cerasinus*, cherry seabream, 13 cm SL (Saya de Malha Bank).

O Alvhheim © IMR



*Polysteganus coeruleopunctatus*, blueskin seabream, 17 cm SL (Red Sea).

© JE Randall, Bishop Museum



*Polysteganus flavodorsalis*, yellowfin seabream, 25 cm SL, paratype (Nazareth Bank).

O Alvhheim © IMR



*Polysteganus lineopunctatus*, bluespotted seabream, 28 cm TL (Mozambique).

O Alvhheim © IMR



*Polysteganus mascarenensis*, Mascarene red seabream, 60 cm SL, holotype (Nazareth Bank).

O Alvhheim © IMR/ASCLME

## Family SPARIDAE, Seabreams, porgies



© B Mann, OPI/SAA/MBI

*Polysteganus praeorbitalis*, Scotsman seabream (South Africa).

© DR King

*Polysteganus praeorbitalis*, Scotsman seabream, juvenile (South Africa).

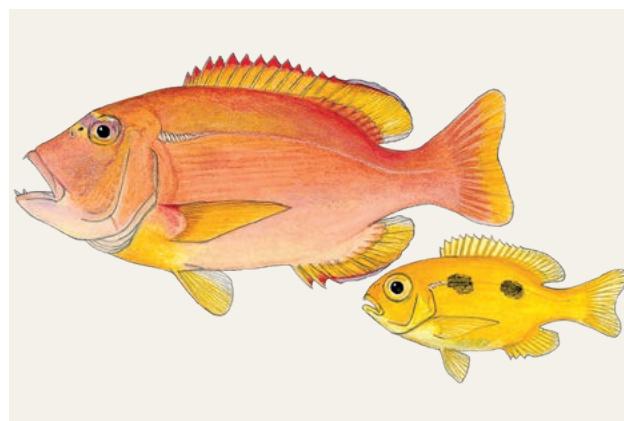
© DR King

*Polysteganus praeorbitalis*, Scotsman seabream, subadult (South Africa).

D Warmerdam © Two Oceans Aquarium

*Polysteganus undulosus*, seventy-four seabream (South Africa).

© V Fraser

*Porcostoma dentata*, Dane seabream (South Africa).

Source: CFSA

*Porcostoma dentata*, Dane seabream, 42 cm TL, adult; 6 cm TL, juvenile (South Africa).

## Family SPARIDAE, Seabreams, porgies

*Pterogymnus laniarius*, panga seabream (South Africa).

© C.Caine

*Rhabdosargus globiceps*, white stumpnose, 23 cm SL (South Africa).

© PC Heemstra © NRF-SANAB

*Rhabdosargus globiceps*, white stumpnose (South Africa).

© PC Heemstra © NRF-SANAB

*Rhabdosargus haffara*, Haffara stumpnose, 19 cm SL (Red Sea).

© JE Randall, Bishop Museum

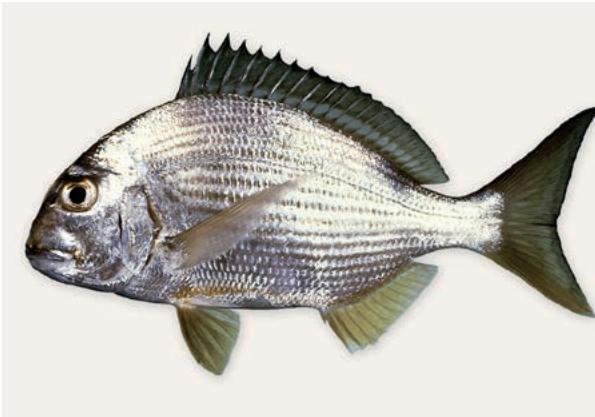
*Rhabdosargus haffara*, Haffara stumpnose (Red Sea).

© SV Bogorodsky

*Rhabdosargus holubi*, Cape stumpnose, 13 cm SL (South Africa).

© PC Heemstra © NRF-SANAB

## Family SPARIDAE, Seabreams, porgies



*Rhabdosargus sarba*, goldlined seabream, 19 cm SL (Red Sea).

© JE Randall, Bishop Museum



*Rhabdosargus thorpei*, bigeye stumpnose, ~18 cm TL (South Africa).

© DA Pollock



*Rhabdosargus thorpei*, bigeye stumpnose, 12 cm SL (South Africa).

PC Heemstra © NRE-SAB



*Sarpa salpa*, strepie, 11 cm TL (South Africa).

Source: CSFA



*Sarpa salpa*, strepies (South Africa).

© E Booyse



*Sparidentex hasta*, Sobaity seabream, 29 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum

## Family SPARIDAE, Seabreams, porgies



*Sparidentex jamalensis*, fanged seabream, 24 cm SL (Pakistan). #

© Y Iwatsuki / MUFFS



*Sparodon durbanensis*, musselcracker, 80 cm TL (South Africa).

© L Swart



*Spicara australis*, southern picarel, 19 cm TL (Mozambique).

O Alyheim © IMR



*Spicara axillaris*, windtory, 21 cm SL (South Africa).

PC Heemstra © NRF-SAIAB



*Spicara axillaris*, windtory, ~30 cm TL (South Africa).

O Alyheim © IMR



*Spondyliosoma emarginatum*, steentjie seabream, 14 cm TL (South Africa).

PC Heemstra © NRF-SAIAB

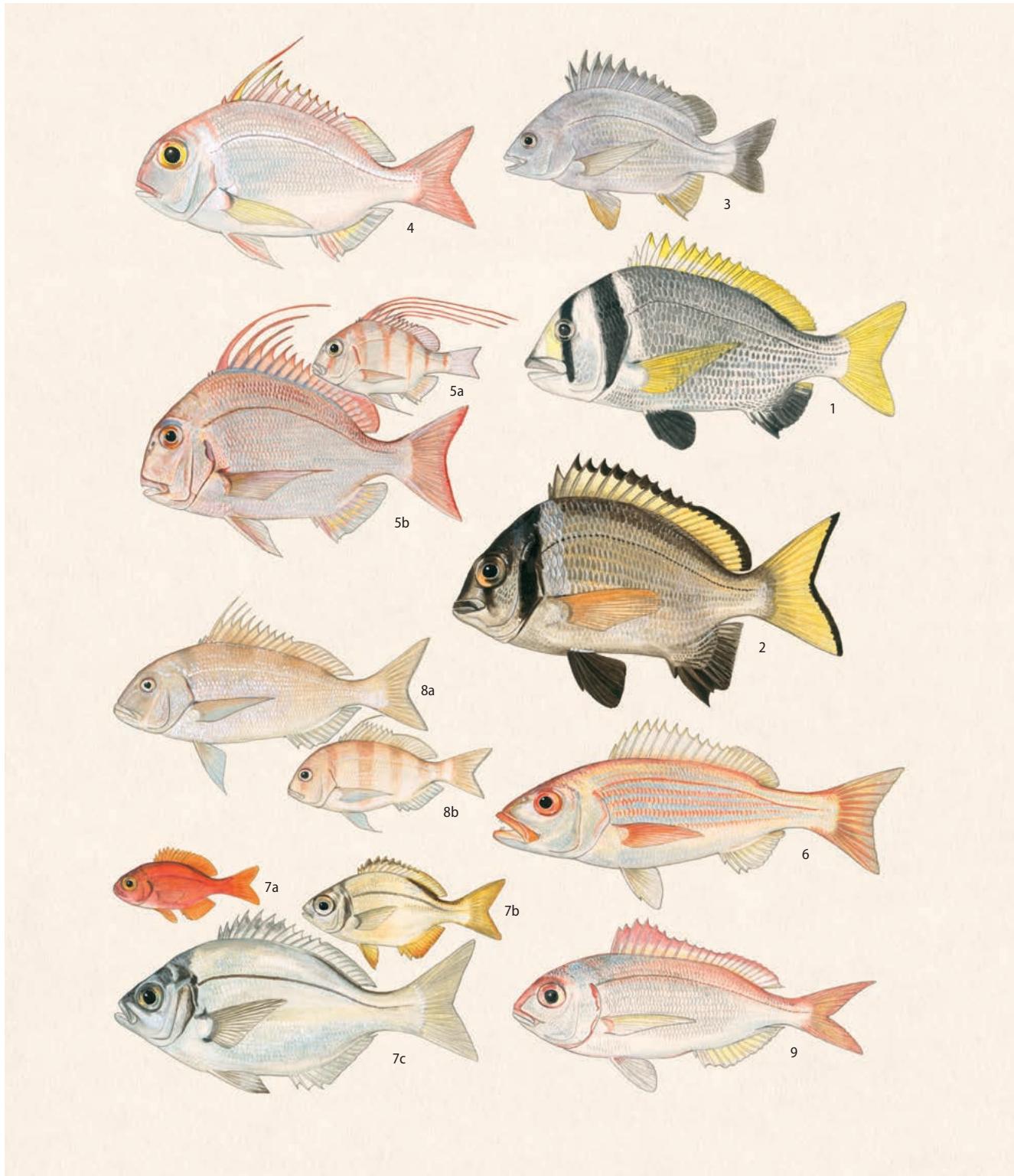


*Spondyliosoma emarginatum*, steentjie seabream, 22 cm SL (South Africa).

PC Heemstra © NRF-SAIAB

# = no species account

## Family SPARIDAE, Seabreams, porgies



- 1** *Acanthopagrus bifasciatus*, twobar seabream, 25 cm SL (Persian/Arabian Gulf). **2** *Acanthopagrus catenula*, bridled seabream, 14 cm SL (South Africa).\*  
**3** *Acanthopagrus sheim*, spotted yellowfin seabream, 17 cm TL (Oman). **4** *Argyrops filamentosus*, soldierbream, 16 cm TL (Mozambique).  
**5** *Argyrops spinifer*, king soldierbream, (a) 6 cm SL, juvenile (Mozambique), (b) 22 cm TL (South Africa).\* **6** *Argyrozonza argyrozona*, carpenter, 37 cm TL (South Africa).\* **7** *Boopoidea inornata*, Fransmadam, (a) 6 cm SL, juvenile, (b) 11 cm TL, juvenile, (c) 19 cm SL (all South Africa).\* **8** *Cheimerius nufar*, santer seabream, (a) 51 cm SL (Mozambique), (b) 8 cm SL, juvenile (South Africa).\* **9** *Pagellus natalensis*, Natal pandora, 18 cm TL (South Africa).

\* Source: CFSA

## Family SPARIDAE, Seabreams, porgies



**1** *Chrysoblephus anglicus*, Englishman seabream, 33 cm SL (South Africa).\* **2** *Chrysoblephus cristiceps*, daggerhead seabream, (a) 36 cm SL, adult, (b) 7 cm FL, juvenile (both South Africa).\* **3** *Chrysoblephus gibbiceps*, red stumpnose, (a) 46 cm SL, adult, (b) 2 cm TL, juvenile, (c) 20 cm SL, subadult (all South Africa).\* **4** *Chrysoblephus laticeps*, Roman, (a) 30 cm SL, (b) 4 cm SL, juvenile (both South Africa).\* **5** *Chrysoblephus lophus*, false Englishman seabream, 35 cm SL (South Africa).\* **6** *Chrysoblephus puniceus*, slinger seabream, (a) 18 cm SL, subadult,\* (b) excitement/stress pattern (both South Africa). **7** *Cymatoceps nasutus*, black musselcracker, (a) 10 cm FL, juvenile,\* (b) ~70 cm TL, (c) ~30 cm TL (all South Africa). **8** *Diplodus noct*, Red Sea seabream, 10 cm SL (Red Sea).

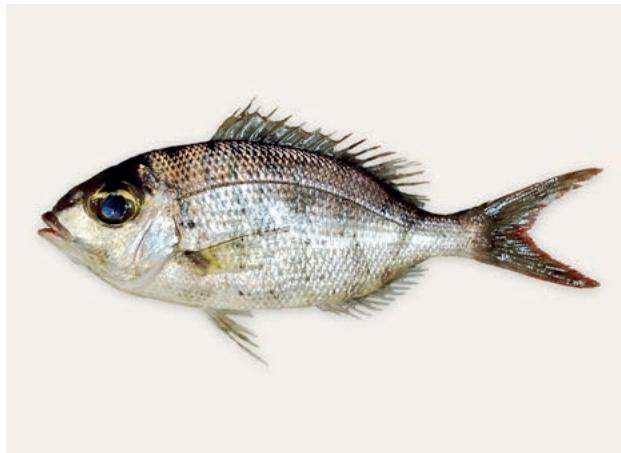
\* Source: CFSA

## Family LETHRINIDAE, Emperors, emperor snappers, large-eye breams



*Gnathodentex aureolineatus*, striped large-eye bream, 10 cm TL (Comoros).

Source: CFSA



*Gymnocranius elongatus*, forktail large-eye bream, 20 cm SL (Mozambique).

© Alveheim © IMR



*Gymnocranius grandoculis*, bluelined large-eye bream, 38 cm SL (Mauritius).

© J.F.Randall, Bishop Museum



*Gymnocranius* sp., juvenile (S Mozambique). #

© V Frazer



*Lethrinus borbonicus*, snubnose emperor, 22 cm SL (Oman).

© J.F.Randall, Bishop Museum



*Lethrinus borbonicus*, snubnose emperor (Red Sea).

© S.Y.Bogorodsky

# = no species account

## Family LETHRINIDAE, Emperors, emperor snappers, large-eye breams

*Lethrinus conchylatus*, redaxil emperor, 50 cm TL (NW Madagascar).

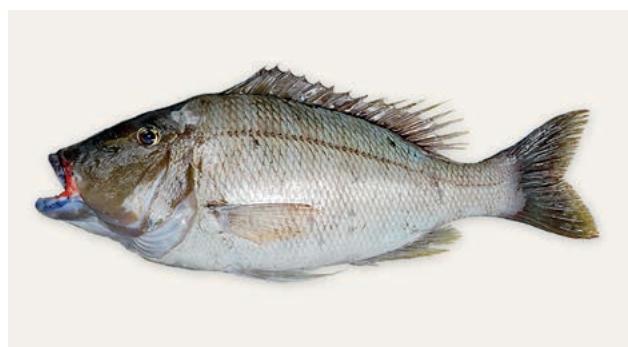
© G Bianchi, FAO

*Lethrinus crocineus*, yellowtail emperor, 16 cm SL (South Africa).

© JF Randall, Bishop Museum

*Lethrinus crocineus*, yellowtail emperor (South Africa).

© S Polack

*Lethrinus enigmaticus*, blackeye emperor, 42 cm SL, (Saya de Malha Bank).

© Alvheim © IMR/ASCLME

*Lethrinus enigmaticus*, blackeye emperor, juvenile (South Africa).

© G Macauley

*Lethrinus erythracanthus*, orange-spotted emperor, 55 cm TL (Maldives).

© JF Randall, Bishop Museum

*Lethrinus erythracanthus*, orange-spotted emperor, 35 cm SL (Marshall Is.).

© JF Randall, Bishop Museum

*Lethrinus erythracanthus*, orange-spotted emperor, juvenile, ~10 cm TL (Solomon Is.).

© S Polack

Family LETHRINIDAE, Emperors, emperor snappers, large-eye breams



© JE Randall, Bishop Museum

*Lethrinus erythropterus*, longfin emperor, 24 cm SL (Palau).



© JE Randall, Bishop Museum

*Lethrinus harak*, thumbprint emperor, 21 cm SL (Red Sea).



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*Lethrinus harak*, thumbprint emperor, subadult (Red Sea).



© JE Randall, Bishop Museum

*Lethrinus lentjan*, redspot emperor, 14 cm SL (Bahrain).



© JE Randall, Bishop Museum

*Lethrinus mahsena*, sky emperor, 25 cm SL (Mauritius).



PC Heemstra © NFR-SAIAB

*Lethrinus mahsena*, sky emperor, 5 cm SL, juvenile (Red Sea).



© SV Bogorodsky

*Lethrinus mahsena*, sky emperor (Red Sea).



© JE Randall, Bishop Museum

*Lethrinus microdon*, smalltooth emperor, 30 cm SL (Persian/Arabian Gulf).

## Family LETHRINIDAE, Emperors, emperor snappers, large-eye breams



*Lethrinus microdon*, smalltooth emperor (Gulf of Oman).

© R Field



*Lethrinus microdon*, smalltooth emperor (Red Sea).

© SV Bogorodsky



*Lethrinus nebulosus*, spangled emperor (Red Sea).

© SV Bogorodsky



*Lethrinus nebulosus*, spangled emperor, 29 cm SL (S Mozambique).

PC Heemstra © NRF-SAIAB



*Lethrinus obsoletus*, orange-striped emperor (Red Sea).

© R Field



*Lethrinus obsoletus*, orange-striped emperor (Red Sea).

© SV Bogorodsky



*Lethrinus obsoletus*, orange-striped emperor (Seychelles).

© DA Polack



*Lethrinus olivaceus*, longface emperor, 43 cm SL (Marshall Is.).

© JE Randall, Bishop Museum

## Family LETHRINIDAE, Emperors, emperor snappers, large-eye breams

*Lethrinus ornatus*, ornate emperor, ~40 cm TL (Indonesia).

© DA Polack

*Lethrinus ornatus*, ornate emperor, 20 cm SL (Sri Lanka).

© JE Randal, Bishop Museum

*Lethrinus reticulatus*, redsnout emperor (Rodrigues).

J Neech © SCP

*Lethrinus rubrioperculatus*, spotcheek emperor, ~32 cm TL (South Africa).

© DA Polack

*Lethrinus rubrioperculatus*, spotcheek emperor (South Africa).

© DR King

*Lethrinus scoparius* (South Africa). #

© DR King

*Lethrinus scoparius*, ~26 cm SL (South Africa). #

© B Mann, ORV/SAAMBR

*Lethrinus semicinctus*, blackblotch emperor, 20 cm SL (Japan).

© JE Randal, Bishop Museum

# = no species account

## Family LETHRINIDAE, Emperors, emperor snappers, large-eye breams



Lethrinus sp., Maldives emperor, 29 cm SL (Maldives).

© JE Randall, Bishop Museum



Lethrinus variegatus, slender emperor, 15 cm SL (Red Sea).

© JE Randall, Bishop Museum



Lethrinus xanthochilus, yellowlip emperor, 20 cm SL (Red Sea).

© SV Bogorodsky



Lethrinus xanthochilus, yellowlip emperor, 19 cm SL (Sudan).

© JE Randall, Bishop Museum



Lethrinus xanthochilus, yellowlip emperor (Seychelles).

© GR Allen



Monotaxis grandoculis, humpnose bigeye bream, small juvenile (Red Sea).

© R Field



Monotaxis grandoculis, humpnose bigeye bream, juvenile (South Africa).

© DR King



Monotaxis grandoculis, humpnose bigeye bream (Red Sea).

© SV Bogorodsky

Family **LETHRINIDAE**, Emperors, emperor snappers, large-eye breams



© JE Randall, Bishop Museum

*Wattsia mossambica*, Mozambique large-eye bream, 40 cm SL (Maldives).

Family **NEMIPTERIDAE**, Threadfin breams, monocle breams



PC Heemstra © NPF-SAB

*Nemipterus bipunctatus*, Delagoa threadfin bream, 18 cm SL (Mozambique).



O Alvhem © IMRASCLME

*Nemipterus flavomandibularis*, yellow-lip threadfin bream, 20 cm SL (Seychelles).



KV Akhilesh © CMFRI

*Nemipterus japonicus*, Japanese threadfin bream, 15 cm SL (SW India).



© S Kimura, FRLM

*Nemipterus peronii*, notchedfin threadfin bream, 13 cm SL (Thailand).



© SV Bogorodsky

*Nemipterus peronii*, notchedfin threadfin bream, 17 cm SL (Qatar).



© SV Bogorodsky

*Nemipterus randalli*, Randall's threadfin bream, 5 cm SL (Red Sea).

## Family NEMIPTERIDAE, Threadfin breams, monocle breams



- 1** *Nemipterus bipunctatus*, Delagoa threadfin bream, 22 cm TL (Mozambique). **2** *Nemipterus furcosus*, forktail threadfin bream, 20 cm SL (India; not present in WIO). # **3** *Nemipterus peronii*, notchfin threadfin bream (India). **4** *Nemipterus randalli*, Randall's threadfin bream, 16 cm SL (Oman). **5** *Nemipterus zysron*, slender threadfin bream, 15 cm SL (Mozambique). **6** *Parascolopsis aspinosa*, smooth dwarf monocle bream, 11 cm SL (Oman). **7** *Parascolopsis baranesi*, Baranes's dwarf monocle bream, 11 cm SL (Red Sea). **8** *Parascolopsis eriomma*, rosy dwarf monocle bream, 17 cm SL (Tanzania). **9** *Scolopsis aurata*, yellowstripe monocle bream, 21 cm SL (Maldives). **10** *Scolopsis bilineata*, two-lined monocle bream, 15 cm SL (Maldives). **11** *Scolopsis bimaculata*, thumbprint monocle bream, 18 cm SL (SW India). **12** *Scolopsis frenata*, bridled monocle bream, (a) 16 cm SL, (b) 3 cm SL, juvenile (both Seychelles). **13** *Nemipterus elaine*, ~14 cm SL (Mozambique). #

# = no species account

## Family NEMIPTERIDAE, Threadfin breams, monocle breams



© Alvhheim © IMR

*Nemipterus zysron*, slender threadfin bream, 15 cm TL; 11 cm TL (Mozambique).



© SV Bogorodsky

*Parascolopsis aspinosa*, smooth dwarf monocle bream, 7 cm TL (Red Sea).



KK Bineesh © CMFR

*Parascolopsis boesemani*, redfin dwarf monocle bream, 11 cm TL (SW India).



© B Russell, MAGNT

*Parascolopsis capitinis*, large-head threadfin bream, 17 cm SL, paratype (Sri Lanka).



© SV Bogorodsky

*Parascolopsis eriomma*, rosy dwarf monocle bream, 23 cm SL (Red Sea).



© JFRandall, Bishop Museum

*Parascolopsis inermis*, unarmed dwarf monocle bream, 15 cm SL (Japan).



© JE Randall, Bishop Museum

*Scolopsis aurata*, yellowstripe monocle bream, 21 cm SL (Maldives).



© Alvhheim © IMR

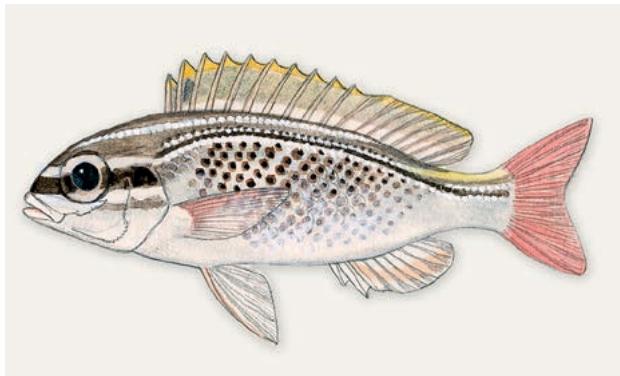
*Scolopsis bimaculata*, thumbprint monocle bream, 14 cm TL, subadult (Mozambique).

## Family NEMIPTERIDAE, Threadfin breams, monocle breams



*Scolopsis bimaculata*, thumbprint monocle bream, 18 cm SL (SE India).

© JE Randall, Bishop Museum



*Scolopsis ghanam*, Arabian monocle bream, 15 cm SL (Tanzania).



*Scolopsis bilineata*, two-lined monocle bream (Indonesia).

© W Osborn



*Scolopsis bilineata*, two-lined monocle bream, juvenile (Indonesia).



*Scolopsis kurite*, collared monocle bream, 12 cm SL (Red Sea).

© SV Bogorodsky



*Scolopsis taeniata*, black-streaked monocle bream, 15 cm SL (Red Sea).

© SV Bogorodsky



*Scolopsis vosmeri*, Vosmer's monocle bream, 13 cm SL (Taiwan).

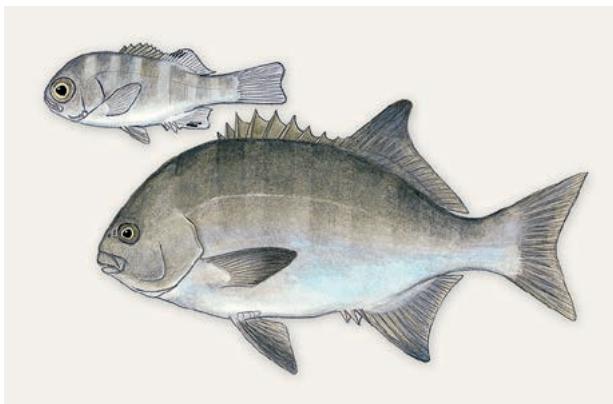
PC Heemstra © INPE-SAIAB



*Scolopsis xenochrous*, oblique-barred monocle bream, ~18 cm TL (Indonesia).

© DA Pollock

## Family DICHISTIIDAE, Galjoen



*Dichistius capensis*, galjoen, 3 cm TL, juvenile; 51 cm TL, adult (South Africa).

Source: CSFA



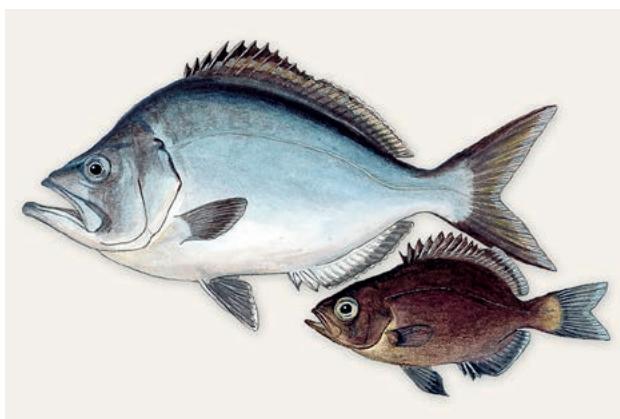
*Dichistius multifasciatus*, banded galjoen, 31 cm TL (South Africa).

## Family PARASCORPIDIDAE, Jutjaw



*Parascorpis typus*, jutjaw, small juvenile (South Africa).

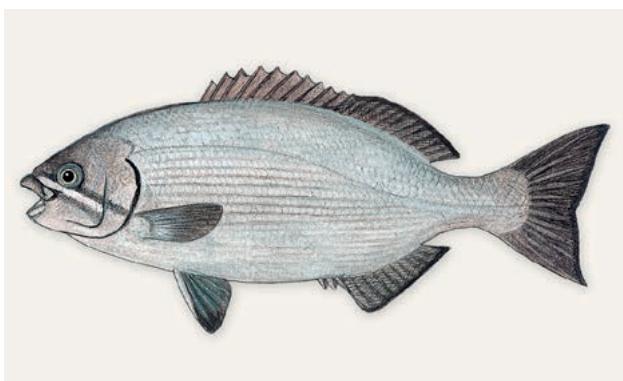
© G.Zelhevcez SURG



*Parascorpis typus*, jutjaw, 46 cm TL, adult; 9 cm TL, juvenile (South Africa).

Source: CSFA

## Family KYPHOSIDAE, Sea chubs, rudderfishes



*Kyphosus bigibbus*, darkfin chub, 60 cm TL (Oman).

Source: CSFA



*Kyphosus cinerascens*, highfin chub, 22 cm FL (Madagascar).

© ORV/ASCLME

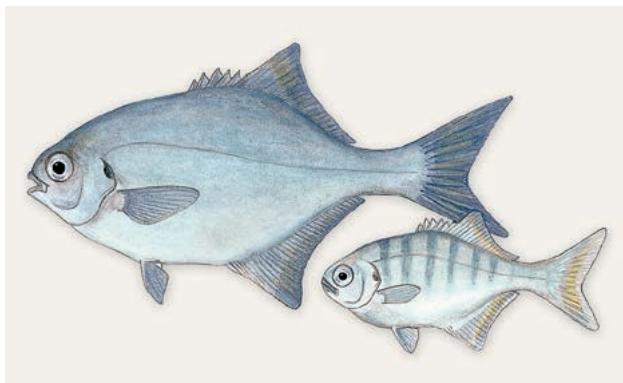
## Family KYPHOSIDAE, Sea chubs, rudderfishes

*Kyphosus cinerascens*, highfin chub (Red Sea).

© SV Bogorodsky

*Kyphosus vaigiensis*, brassy chub, 17 cm SL (Red Sea).

© JE Randall, Bishop Museum

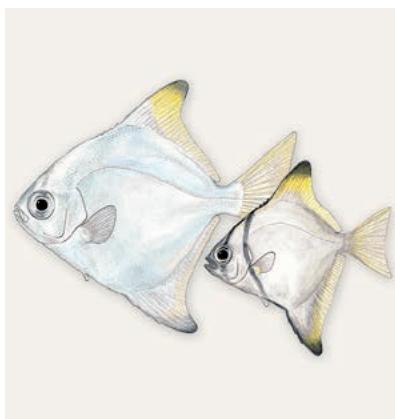
*Neoscoporis lithophilus*, stonebream, 21 cm SL, subadult; 6 cm SL, juvenile (both South Africa).

Source: CFSA

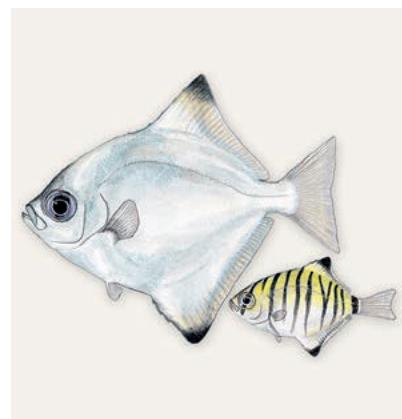
*Neoscoporis lithophilus*, stonebream, 33 cm FL (South Africa).

G Gouws © NRF-SALAB

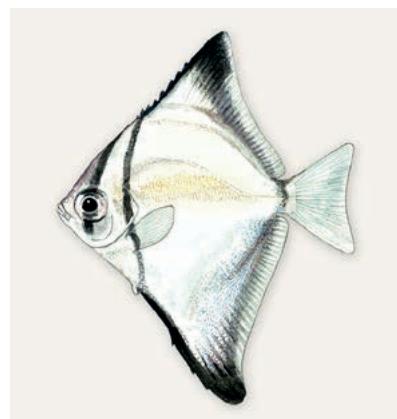
## Family MONODACTYLIDAE, Moonies

*Monodactylus argenteus*, round moony, ~15 cm SL, adult; 5 cm SL, juvenile (both South Africa).

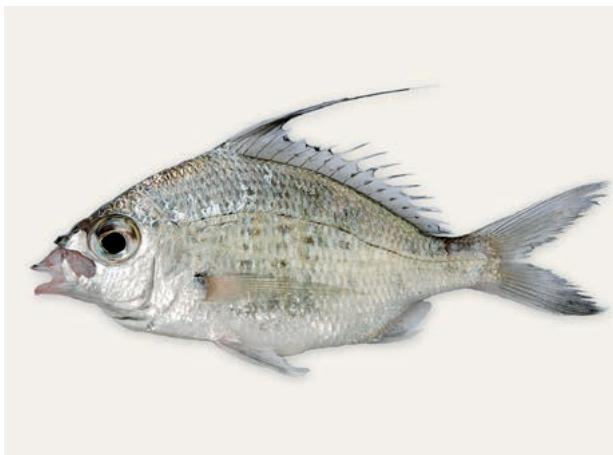
Source: CFSA

*Monodactylus falciformis*, oval moony, 11 cm SL, subadult; 4 cm SL, juvenile (both South Africa).

Source: CFSA

*Monodactylus kottelati*, high moony, 7 cm SL (Sri Lanka).

## Family GERREIDAE, Silverbiddies



*Gerres filamentosus*, whipfin silverbiddy, 16 cm TL (N Mozambique).



*Gerres infasciatus*, nonbanded whipfin silverbiddy, 9 cm SL (Red Sea).



*Gerres limbatus*, saddleback silverbiddy, 7 cm SL (SW India).



*Gerres longirostris*, longtail silverbiddy, 10 cm SL (Seychelles).



*Gerres longirostris*, longtail silverbiddy (Red Sea).



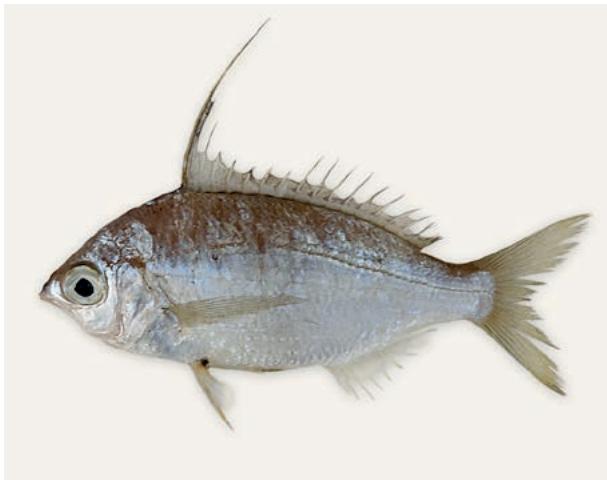
*Gerres macracanthus*, longspine silverbiddy, 6 cm SL (Persian/Arabian Gulf).

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© JE Randall, Bishop Museum

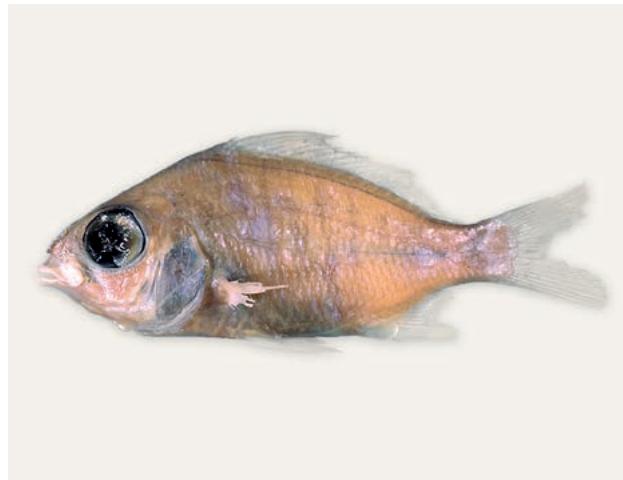
© JE Randall, Bishop Museum

## Family GERREIDAE, Silverbiddies



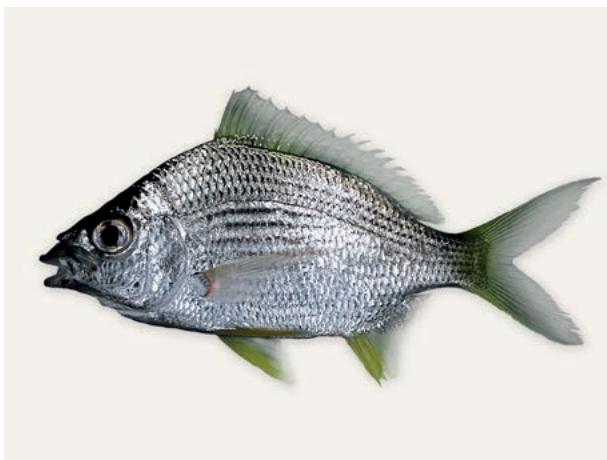
*Gerres macracanthus*, longspine silverbiddy, 10 cm SL (Oman).

© Y Iwatsuki, MUFS



*Gerres maldivensis*, Maldives silverbiddy, 7 cm SL, holotype (Maldives).

© Y Iwatsuki, MUFS



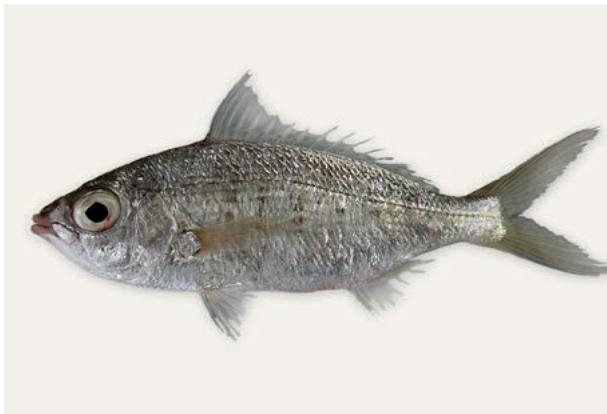
*Gerres methueni*, striped silverbiddy (South Africa).

© PC Heemstra © NPF-SABAB



*Gerres mozambiquensis*, Mozambique silverbiddy, 21 cm SL (N Mozambique).

O Alvhem © IMR



*Gerres oblongus*, slender silverbiddy, 16 cm SL (Red Sea).

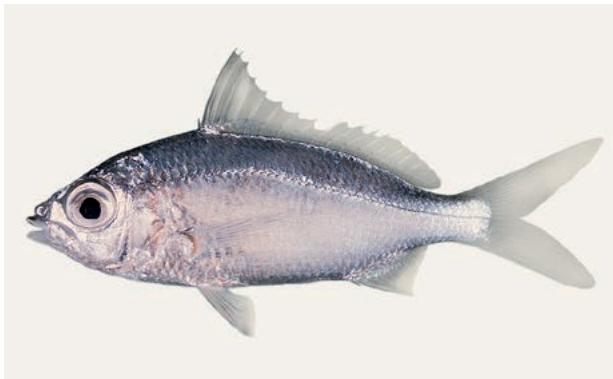
© SV Bogorodsky



*Gerres oblongus*, slender silverbiddy, 17 cm SL (Japan).

© Y Iwatsuki, MUFS

## Family GERREIDAE, Silverbiddies



*Gerres oyena*, common silverbiddy, 9 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum



*Gerres oyena*, common silverbiddy (Red Sea).

© SV Bogorodsky



*Gerres phaiya*, strong-spined silverbiddy, 12 cm SL, holotype (India).

© Y Iwatsuki, MUFS



*Pentaprion longimanus*, longfin silverbiddy, 12 cm SL (S Japan).

© Y Iwatsuki, MUFS

## Family DREPANEIDAE, Sicklefishes



*Drepene longimana*, sicklefish, 12 cm SL (N Mozambique).



*Drepene longimana*, sicklefish, 31 cm TL (N Mozambique).

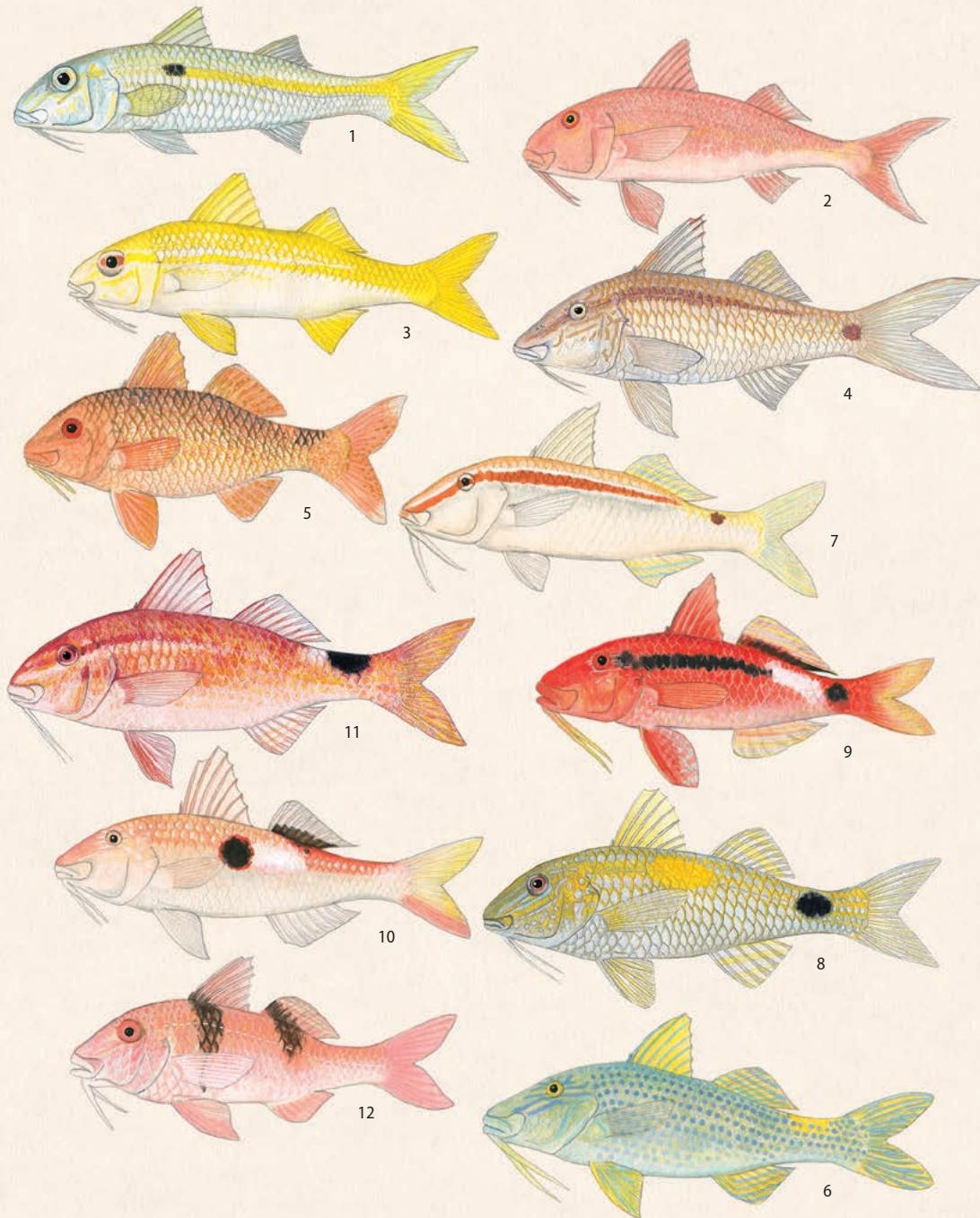


*Drepene punctata*, spotted sicklefish, 16 cm SL (SW India).

O Alvheim © IMR

O Alvheim © IMR

## Family MULLIDAE, Goatfishes



- 1** *Mulloidichthys flavolineatus*, yellowstripe goatfish, 18 cm TL (South Africa).\* **2** *Mulloidichthys pfluegeri*, Pflueger's goatfish, 37 cm TL (Rodrigues).\*  
**3** *Mulloidichthys vanicolensis*, yellowfin goatfish, 20 cm TL (South Africa). **4** *Parupeneus barberinus*, dot-dash goatfish, 21 cm SL (Comoros).\*  
**5** *Parupeneus ciliatus*, whitesaddle goatfish, 24 cm SL (Rodrigues). **6** *Parupeneus cyclostomus*, goldsaddle goatfish, 22 cm SL (South Africa).  
**7** *Parupeneus forsskali*, Red Sea goatfish, 22 cm SL (Red Sea). **8** *Parupeneus indicus*, Indian goatfish, 12 cm SL (South Africa). **9** *Parupeneus macronemus*, long-barbel goatfish, 18 cm SL (South Africa). **10** *Parupeneus pleurostigma*, side-spot goatfish, 23 cm TL (South Africa). **11** *Parupeneus rubescens*, rosy goatfish, 21 cm SL (South Africa).\* **12** *Parupeneus trifasciatus*, doublebar goatfish, 27 cm SL (Rodrigues).

\* Source: CFSN

## Family MULLIDAE, Goatfishes



*Mulloidichthys ayliffe*, Ayliffe's goatfish, holotype, 18 cm SL (South Africa).

PC Heemstra © NFR-SAVAB



*Mulloidichthys ayliffe*, Ayliffe's goatfish (Tanzania).

© A Sutton



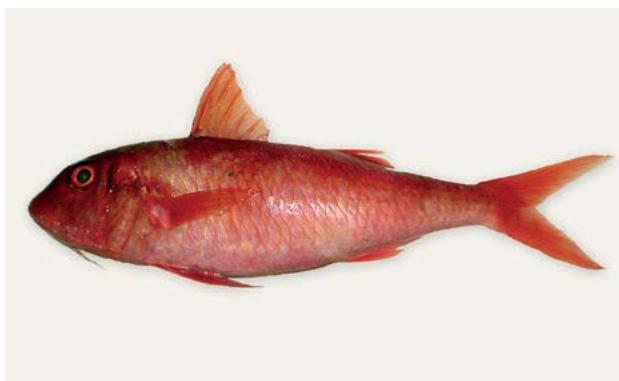
*Mulloidichthys flavolineatus*, yellowstripe goatfish, 25 cm SL (South Africa).

PC Heemstra © NFR-SAVAB



*Mulloidichthys flavolineatus*, yellowstripe goatfish, ~22 cm SL, night pattern (Maldives).

© JE Randall, Bishop Museum



*Mulloidichthys pfluegeri*, Pflueger's goatfish, 28 cm TL (Réunion).

© MJ Smale



*Mulloidichthys vanicolensis*, yellowfin goatfish (Red Sea).

© SV Bogorodsky



*Parupeneus barberinus*, dot-dash goatfish (Maldives).

© JE Randall, Bishop Museum



*Parupeneus ciliatus*, whitesaddle goatfish (Seychelles).

© JE Randall, Bishop Museum

## Family MULLIDAE, Goatfishes



© A Sutton

*Parupeneus cyclostomus*, goldsaddle goatfish (Tanzania).

© DR King

*Parupeneus cyclostomus*, goldsaddle goatfish (South Africa).

© A Dieringer

*Parupeneus diagonalis*, slant-stripe goatfish (Réunion).

© JE Randall, Bishop Museum

*Parupeneus forsskali*, Red Sea goatfish, 22 cm SL (Red Sea).

© DR King

*Parupeneus fraserorum*, Fraser's goatfish, 17 cm SL, holotype (South Africa).

© DR King

*Parupeneus fraserorum*, Fraser's goatfish (South Africa).

© V Fraser

*Parupeneus fraserorum*, Fraser's goatfish (South Africa).

© JE Randall, Bishop Museum

*Parupeneus heptacanthus*, cinnabar goatfish, 23 cm SL (Red Sea).

## Family MULLIDAE, Goatfishes



*Parupeneus heptacanthus*, cinnabar goatfish (South Africa).

© DA Pollock



*Parupeneus indicus*, Indian goatfish, 25 cm SL (New Guinea).

© JE Randall, Bishop Museum



*Parupeneus macronemus*, long-barbel goatfish (Oman).

© JE Randall, Bishop Museum



*Parupeneus macronemus*, long-barbel goatfish (Oman).

© JE Randall, Bishop Museum



*Parupeneus margaritatus*, pearly goatfish (Oman).

© JE Randall, Bishop Museum



*Parupeneus margaritatus*, pearly goatfish (Oman).

© JE Randall, Bishop Museum



*Parupeneus minys*, dwarf goatfish, 8 cm SL (India).

© JE Randall, Bishop Museum



*Parupeneus nansen*, Nansen goatfish, 13 cm SL, holotype (S Mozambique).

PC Heemstra © NFR-SAIAB

## Family MULLIDAE, Goatfishes



*Parupeneus pleurostigma*, side-spot goatfish (Seychelles).

© JE Randall, Bishop Museum



*Parupeneus procerigena*, deep-cheek goatfish, 8 cm SL (Seychelles).

© JE Randall, Bishop Museum



*Parupeneus procerigena*, deep-cheek goatfish, 11 cm SL (Nazareth Bank).

O Albreht © IMRASCLME



*Parupeneus rubescens*, rosy goatfish, 21 cm SL (Red Sea).

© JE Randall, Bishop Museum



*Parupeneus rubescens*, rosy goatfish (Gulf of Aqaba).

© JE Randall, Bishop Museum



*Parupeneus seychellensis*, Seychelles goatfish, 17 cm SL (Seychelles).

PC Heemstra © NRF-SAIAB



*Parupeneus trifasciatus*, doublebar goatfish (South Africa).

© V Fraser



*Parupeneus trifasciatus*, doublebar goatfish (South Africa).

© JE Randall, Bishop Museum

## Family MULLIDAE, Goatfishes



© JE Randall, Bishop Museum

*Upeneus davidaromi*, Darom's goatfish, 17 cm SL (Gulf of Aqaba).



© JE Randall, Bishop Museum

*Upeneus doriae*, gilded goatfish, 11 cm SL (Persian/Arabian Gulf).



PC Heemstra © NPF-SAIAB

*Upeneus guttatus*, two-tone goatfish, 10 cm SL (Kenya).



PC Heemstra © NPF-SAIAB

*Upeneus heemstra*, Heemstra's goatfish, 12 cm SL, holotype (Kenya).



© V Fraser

*Upeneus heemstra*, Heemstra's goatfish (S Mozambique).



© JE Randall, Bishop Museum

*Upeneus indicus*, Cochin goatfish, holotype (SW India).



PC Heemstra © NPF-SAIAB

*Upeneus margaretha*, Margaretha's goatfish, 8 cm SL, holotype (Mozambique).



PC Heemstra © NPF-SAIAB

*Upeneus mascareensis*, Mascarene goatfish, 16 cm SL (Mozambique).

## Family MULLIDAE, Goatfishes



*Upeneus moluccensis*, goldband goatfish, 16 cm TL (N Mozambique).

© A. Alvhheim © IMR



*Upeneus niebuhrri*, Niebuhr's goatfish, 8 cm SL (Gulf of Suez).

© SV Begerovskiy



*Upeneus oligospilus*, short-fin goatfish, 12 cm SL (Persian/Arabian Gulf).

© J.E Randall, Bishop Museum



*Upeneus pori*, Por's goatfish (Red Sea).

© J.E Randall, Bishop Museum



*Upeneus pori*, Por's goatfish, 11 cm SL (Red Sea).

© J.E Randall, Bishop Museum



*Upeneus randalli*, Randall's goatfish, 11 cm SL (Persian/Arabian Gulf).

© J.E Randall, Bishop Museum



*Upeneus saiab*, SAIAB goatfish, 10 cm SL, holotype (N Mozambique).

M. Lither © NPF-SAIAB



*Upeneus seychellensis*, tailstripe goatfish, 10–12 cm SL (Seychelles).

© A. Alvhheim © IMR/ASCLME

## Family MULLIDAE, Goatfishes



*Upeneus seychellensis*, tailstripe goatfish, 13 cm TL (Seychelles).

O Alvhem © IMR/ASCLME



*Upeneus suahelicus*, Swahili goatfish, 10 cm SL (Madagascar).

E Heemstra © NRI-SALAB



*Upeneus suahelicus*, Swahili goatfish, 10 cm SL, holotype (Kenya).

PC Heemstra © NRI-SALAB



*Upeneus sulphureus*, sulphur goatfish, 9 cm SL (W Australia).

© CSIRO Australian National Fish Collection



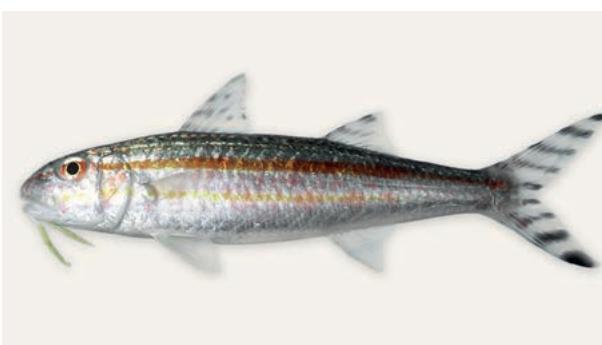
*Upeneus sundaicus*, ochre-banded goatfish, 8 cm SL (Persian/Arabian Gulf).

© JE Randall, Bishop Museum



*Upeneus supravittatus*, longfin goatfish, 12 cm SL (India).

© JE Randall, Bishop Museum



*Upeneus taeniopterus*, bandtail goatfish, 13 cm SL (Rodrigues).

PC Heemstra © NRI-SALAB



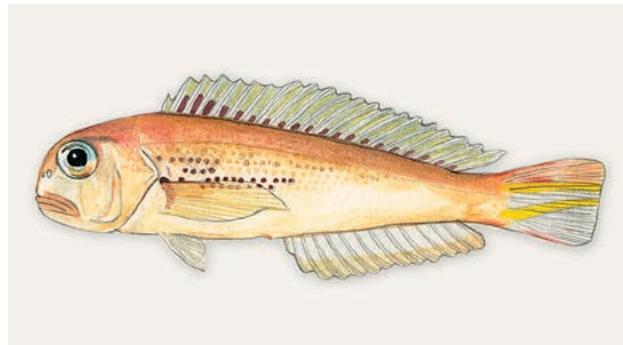
*Upeneus vittatus*, yellow-striped goatfish, 15 cm SL (Mozambique).

PC Heemstra © NRI-SALAB

## Family BRANCHIOSTEGIDAE, Tilefishes, sand-tilefishes



*Branchiostegus doliatus*, ribbed tilefish, 28 cm SL (South Africa).



*Branchiostegus sawakinensis*, freckled tilefish, 14 cm SL (Gulf of Aqaba).



*Hoplolatilus chlupatyi*, chameleon sand-tilefish, 8 cm TL (S Mozambique).

© Albrecht © IMR



*Hoplolatilus cuniculus*, dusky tilefish, 9 cm SL (Mauritius).

© JE Randal, Bishop Museum



*Hoplolatilus cuniculus*, dusky tilefish (South Africa).

© DR King



*Hoplolatilus fronticinctus*, pastel tilefish (South Africa).

© AD Connell © NRIF-SALAB



© P Timm

*Hoplolatilus fronticinctus*, pastel tilefish, with shell grit and rubble mound (South Africa).



*Hoplolatilus oreni*, ~15 cm TL (South Africa).

© M Robertson

## Family BRANCHIOSTEGIDAE, Tilefishes, sand-tilefishes



*Malacanthus brevirostris*, quakerfish (Red Sea).



*Malacanthus brevirostris*, quakerfish, juvenile (Mozambique).



*Malacanthus latovittatus*, blue tilefish (Red Sea).

© Alvheim © IMR

## Family SILLAGINIDAE, Sillagos



*Sillaginopodus chondropus*, clubfoot sillago, 18 cm SL (Kenya).



*Sillago aeola*, oriental sillago, 12 cm SL (Thailand).

© S Kimura, FRLM

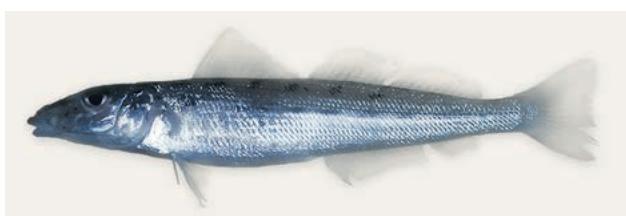


*Sillago aeola*, oriental sillago, 12 cm TL (China).



*Sillago arabica*, Arabian sillago, 18 cm SL (N Mozambique).

PC Heemstra © NRF-SAIAB/AV2010



*Sillago attenuata*, slender sillago, 10 cm SL (Oman).



*Sillago caudicula*, spotted sillago, 14 cm SL (SE Madagascar).

E Heemstra © NRF-SAIAB/AV2010

## Family SILLAGINIDAE, Sillagos

*Sillago indica*, Indian sillago, 17 cm SL (Vietnam).

© H-C Ho, NMMB P

*Sillago ingenuua*, bay sillago, ~12 cm SL (Australia).

© C Dowling, DPIRD

*Sillago intermedia*, blotchy sillago (India).

© P Devarapalli, MNDC

*Sillago lutea*, mud sillago (Australia).

© C Dowling, DPIRD

*Sillago sihama*, silver sillago, 21 cm TL (S Mozambique).

PC Heemstra © NRE SAIB

*Sillago suezensis*, Suez sillago, 16 cm SL (Gulf of Suez).

© SY Bogorodsky

*Sillago vincenti*, spottyfin sillago, 21 cm SL (SW India).

© JE Randall Bishop Museum

Family **SCIAENIDAE**, Croakers, drums, kob

Argyrosomus heinii, Arabian Sea meagre, 20 cm SL (Oman).

© J.F. Randall, Bishop Museum



Argyrosomus hololepidotus, Madagascar meagre, 43 cm SL (Madagascar).

P.C. Heemstra © NRI-SAIAB



Argyrosomus inodorus, silver kob, 50 cm TL (South Africa).

O. Alvhheim © IMR



Argyrosomus japonicus, Japanese meagre, 59 cm SL (Oman).

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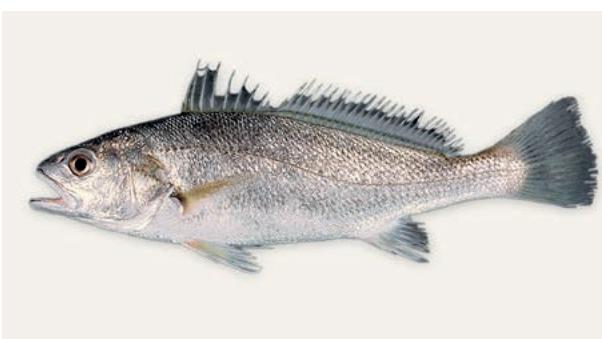
Argyrosomus regius, meagre, 135 cm TL (Morocco).

O. Alvhheim © IMR



Argyrosomus thorpei, squaretail kob, 13 cm SL (S Mozambique).

O. Alvhheim © IMR



Argyrosomus thorpei, squaretail kob, 21 cm SL (S Mozambique).

P.C. Heemstra © NRI-SAIAB



Atractoscion aequidens, geelbek, 41 cm TL (South Africa).

© R.W. Leslie

## Family SCIAENIDAE, Croakers, drums, kob



*Atractoscion aequidens*, geelbek, ~1 m (South Africa).

© DA Pollock



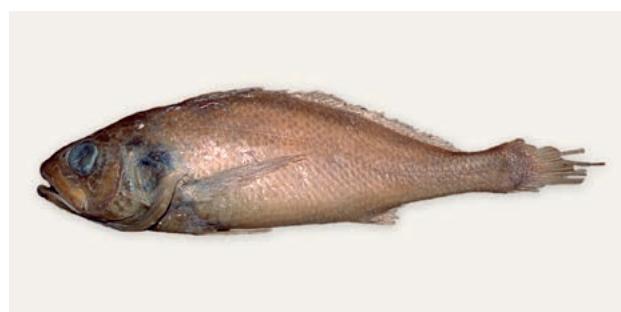
*Atrobucca alcocki*, largehead croaker (Oman).

© L.A. Jawad, OMMFSC



*Atrobucca bengalensis*, Bengal blackmouth croaker, 27 cm SL (Sri Lanka).

© J.E. Randall, Bishop Museum



*Atrobucca geniae*, Aqaba blackmouth croaker, 27 cm SL preserved paratype (Red Sea).

© K. Sasaki, BSUK



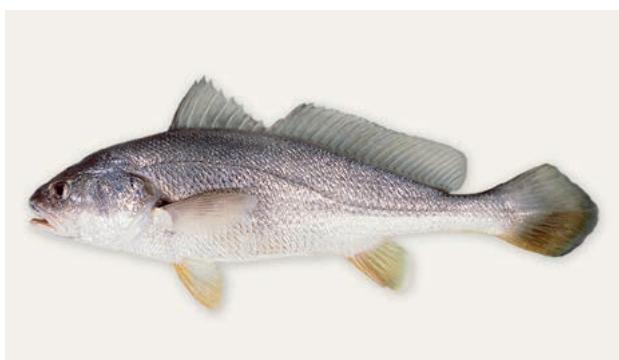
*Atrobucca nibe*, Japanese blackmouth croaker, 32 cm SL (S Mozambique).

© Alvheim © IMR



*Atrobucca nibe*, Japanese blackmouth croaker, 26 cm TL (Japan).

© K. Sasaki, BSUK



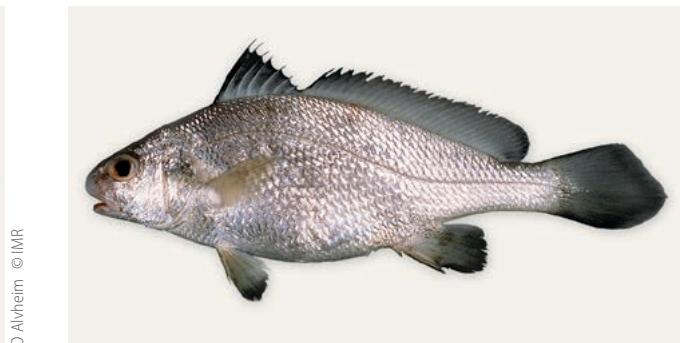
*Daysciaena albida*, two-bearded croaker, 40 cm SL (SW India).

© J.E. Randall, Bishop Museum



*Dendrophysa russelii*, goatee croaker, 14 cm SL (SW India).

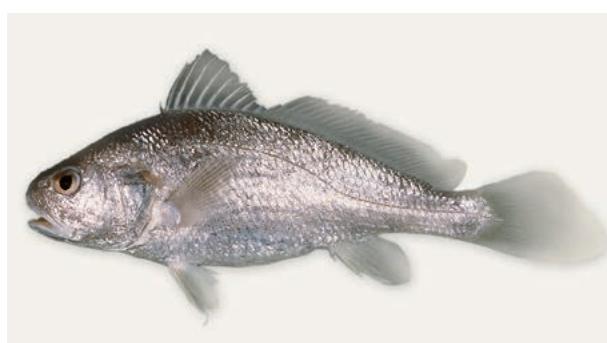
© J.E. Randall, Bishop Museum

Family **SCIAENIDAE**, Croakers, drums, kob*Johnius amblycephalus*, bearded croaker (Mozambique).*Johnius belangerii*, Belanger's croaker, 11 cm SL (Kuwait).*Johnius borneensis*, sharpnose hammer croaker, 20 cm SL (Kuwait).

© Alvheim © IMR

*Johnius carouna*, Caroun croaker, 15 cm SL (SW India).*Johnius carouna*, Caroun croaker, 16 cm TL (Myanmar).

© JF Randall, Bishop Museum

*Johnius dorsalis*, African croaker (Mozambique).*Johnius dussumieri*, bare-fin croaker, 10 cm SL (SW India).

© JF Randall, Bishop Museum

*Johnius elongatus*, spindle croaker (Pakistan).

© JF Randall, Bishop Museum

© JF Randall, Bishop Museum

© Alvheim © IMR

© MM Khan, WWF

Family **SCIAENIDAE**, Croakers, drums, kob*Johnius macrorhynus*, bigsnout croaker, 15 cm SL (Pakistan).

© HB Ormsby

*Johnius majan*, Majan croaker, 16 cm SL, holotype (Oman).

© Y Iwatsuki, MUFS

*Kathala axillaris*, Kathala croaker, ~15 cm TL (Bangladesh).

© ME Hasan, IMST-CU

*Macrospinosoma cuja*, Cuja croaker (Bangladesh).

© ME Hasan, IMST-CU

*Megaloniabea diacantha*, spotted croaker, 16 cm SL (Bangladesh).

© ME Hasan, IMST-CU

*Nibea soldado*, soldier croaker, 24 cm SL (Sri Lanka).

© JE Randall, Bishop Museum

*Otolithes ruber*, tigertooth croaker, 31 cm TL (Mozambique).

© Alvheim © IMR

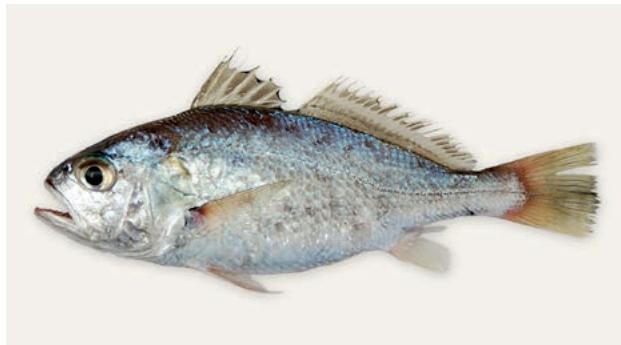
*Otolithoides pama*, Pama croaker, 29 cm TL (Myanmar).

© Alvheim, IMR © FAO

## Family SCIAENIDAE, Croakers, drums, kob

*Pennahia anea*, bigeye croaker, 19 cm SL (Indonesia).

© J.E.Randall, Bishop Museum

*Pennahia ovata*, big-head pennah croaker, 18 cm TL (Myanmar). #

© Alvheim, IMR © FAO

*Umbrina canariensis*, Canary drum, 21 cm SL (South Africa).

© Alvheim © IMR

*Umbrina canariensis*, Canary drum, 13 cm SL, juvenile (Oman).

© J.E.Randall, Bishop Museum

*Umbrina canariensis*, Canary drum, juvenile (South Africa).

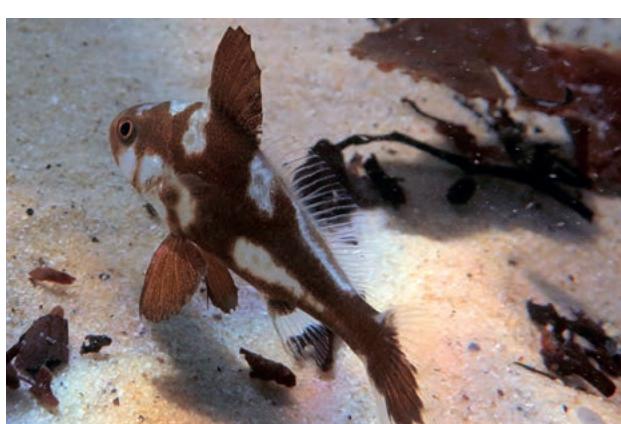
© G.Zilavetz, SURG

*Umbrina cirrosa*, shi drum, 37 cm SL (Black Sea).

© SV Bogorodsky

*Umbrina robinsoni*, longtail drum, 46 cm SL (Oman).

© J.E.Randall, Bishop Museum

*Umbrina robinsoni*, longtail drum, juvenile (South Africa).

© C.van der Coff

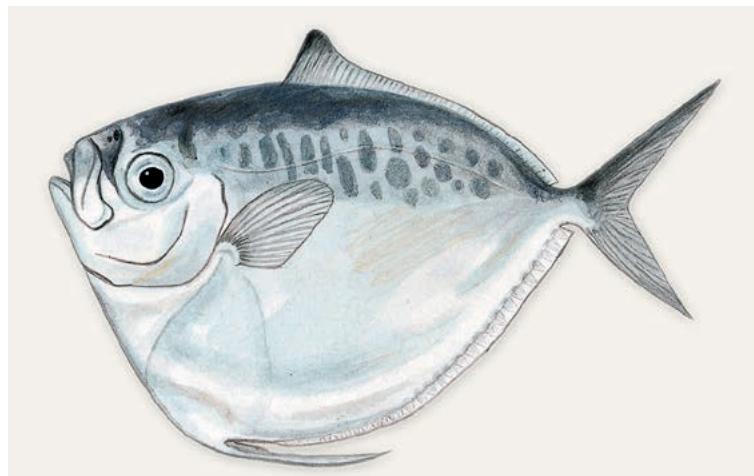
# = no species account

Family **SCIAENIDAE**, Croakers, drums, kob*Umbrina robinsoni*, longtail drum, ~1 m (South Africa).

© DA Pollock

*Umbrina robinsoni*, longtail drum, subadult (South Africa).

© DR King

Family **MENIDAE**, Moonfish*Mene maculata*, moonfish, 22 cm TL (Indonesia).

Source: CFSA

Family **LEIOGNATHIDAE**, Ponyfishes*Aurigequula fasciata*, striped ponyfish, 10 cm SL (Red Sea).*Aurigequula longispina*, longspine ponyfish, 24 cm TL (Seychelles).

O Avhheim © IMR/ASCLME

## Family LEIognathidae, Ponyfishes



*Aurigequula striata*, striated ponyfish, 17 cm SL (Singapore).



*Deveximentum insidiator*, slender soapy, 7 cm SL (Sri Lanka).

© P Chakrabarty, LSU



*Deveximentum mazavasaoka*, translucent-chinned ponyfish, 7 cm SL (SE Madagascar).



*Deveximentum mazavasaoka*, translucent-chinned ponyfish, 10 cm SL (Mozambique).

O Alvhem © IMR



*Deveximentum ruconius*, deep-pugnose ponyfish, 7 cm SL (Sri Lanka).



*Equulites* cf. *elongatus*, 9 cm SL (Mozambique). #

PC Heemstra © NRM-SAIAB



*Equulites kyunzingeri*, Klunzinger's ponyfish, 11 cm SL, male (Gulf of Suez).



*Equulites laterofenestra*, 10 cm SL (Indonesia).

© P Chakrabarty, LSU

# = no species account

## Family LEIognathidae, Ponyfishes

*Equulites leuciscus*, whipfin ponyfish, 13 cm TL (Seychelles).

© O Alvheim © IMR/ASCLME

*Equulites leuciscus*, whipfin ponyfish, 9 cm SL (Indonesia).

© S Kimura, FRLM

*Eubleekeria jonesi*, Jones's ponyfish, 9 cm SL (Indonesia).

© S Kimura, FRLM

*Eubleekeria splendens*, splendid ponyfish, 6 cm SL (Indonesia).

© S Kimura, FRLM

*Gazza achlamys*, smalltoothed ponyfish, 13 cm SL (Indonesia).

© J.E Randall, Bishop Museum

*Gazza dentex*, ovoid toothpony, 9 cm SL, lectotype (Mauritius).

© P Chakrabarty, LSU



© M Lishner © NFR-SMAB

*Gazza minuta*, toothed ponyfish, 10 cm SL (N Mozambique).

© P Chakrabarty, LSU

*Karalla daura*, goldstripe ponyfish, 10 cm SL (Sri Lanka).

## Family LEIognathidae, Ponyfishes



*Karalla dussumieri*, Dussumier's ponyfish, 9 cm SL, holotype (E India).

© P Chakrabarty, LSU



*Leiognathus equula*, common ponyfish, 13 cm SL (Mozambique).

PC Heemstra © NBF-SALAB



*Leiognathus equula*, common ponyfish, 18 cm SL (Singapore).

© P Chakrabarty, LSU



*Leiognathus robustus*, robust ponyfish, 18 cm SL, holotype (Singapore).

© P Chakrabarty, LSU



*Nuchequula blochii*, two-blotch ponyfish, 4 cm SL (Malaysia).

© S Kimura, FRIM



*Nuchequula gerreoides*, decorated ponyfish, 10 cm SL (Thailand).

© P Chakrabarty, LSU

## Family LEIognathidae, Ponyfishes

*Photolateralis antongil*, 9 cm SL (Madagascar).

JS Sparks © AMNH

*Photolateralis polyfenestrus*, 7 cm SL, male holotype, with field tag on posterior flank (Gulf of Oman). #

JS Sparks © AMNH

*Photopectoralis bindus*, orangefin ponyfish, 7 cm SL (Oman).

© JE Randall, Bishop Museum

*Photopectoralis bindus*, orangefin ponyfish, 9 cm SL (Red Sea).

© SY Bogorodsky

## Family LOBOTIDAE, Tripletails

*Lobotes surinamensis*, tripletail, 63 cm TL, adult (Japan); 4 cm TL, juvenile (Indonesia).

Source: CFS

*Lobotes surinamensis*, tripletail (USA).

© RF Myers

# = no species account

## Family PENTACEROTIDAE, Armourheads



*Histiopterus typus*, sailfin armourhead, 7 cm SL, juvenile (S Mozambique).

PC Heemstra © NPF-SALAB



*Histiopterus typus*, sailfin armourhead, 20 cm SL (SW India).

KV Akhilesh © CMFRI



*Pentaceros capensis*, Cape armourhead, 11 cm TL (Mozambique).

O Alvhheim © IMR



*Pentaceros richardsoni*, pelagic armourhead, 44 cm TL (South Africa).

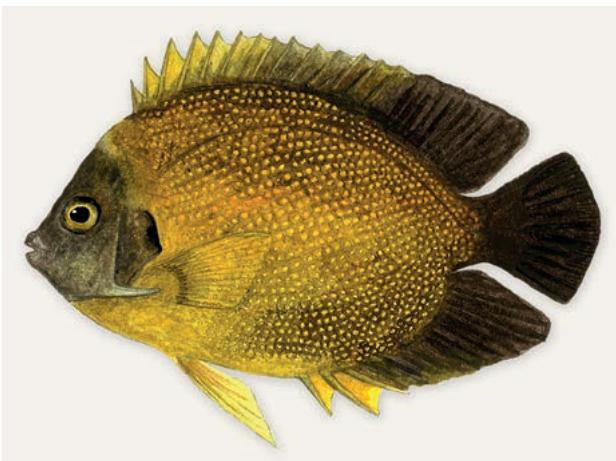
O Alvhheim © IMR



*Pentaceros richardsoni*, 59 cm TL (Atlantis Seamount).

O Alvhheim © IMR/ASCLME

## Family POMACANTHIDAE, Angelfishes



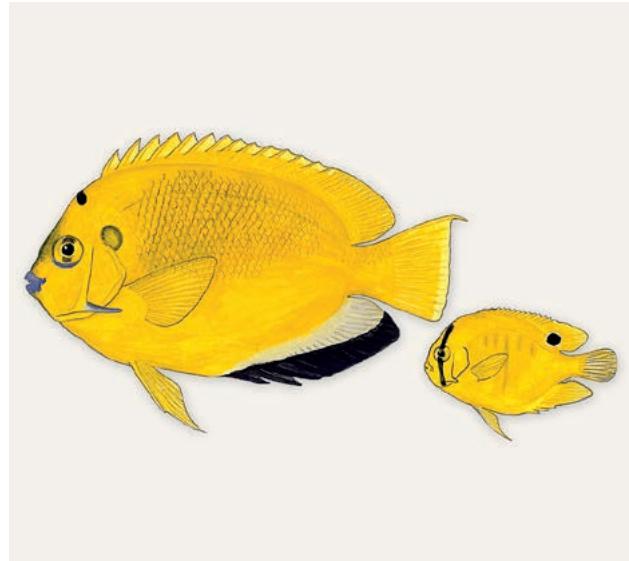
*Apolemichthys guezei*, Réunion angelfish, 12 cm TL (Réunion).



*Apolemichthys kingi*, tiger angelfish, adult (South Africa). © DR King



*Apolemichthys kingi*, tiger angelfish, 2 cm TL and 5 cm TL, juveniles (South Africa). Source: CFSA



*Apolemichthys trimaculatus*, threespot angelfish, 16 cm TL, adult; 4 cm TL, juvenile (Mauritius). Source: CFSA



*Apolemichthys xanthotis*, yellow-ear angelfish, juvenile (Gulf of Oman). © R Field



*Apolemichthys xanthotis*, yellow-ear angelfish (Gulf of Oman). © R Field

## Family POMACANTHIDAE, Angelfishes



© J.E. Randall, Bishop Museum

*Apolemichthys xanthurus*, Indian yellowtail angelfish, 3 cm SL, juvenile (Maldives).



© J.E. Randall, Bishop Museum

*Apolemichthys xanthurus*, Indian yellowtail angelfish (Sri Lanka).



© A. Sutton

*Centropyge acanthops*, jumping bean (Tanzania).



© S. Polack

*Centropyge bispinosa*, coral beauty, ~9 cm SL (South Africa).



© M. Parentier

*Centropyge bispinosa*, coral beauty (Madagascar).



© H. Vitry

*Centropyge debelius*, blue Mauritius angelfish (Réunion).

## Family POMACANTHIDAE, Angelfishes



*Centropyge eibli*, blacktail angelfish (Indonesia).

© RF Myers



*Centropyge flavipectoralis*, yellowfin angelfish (Sri Lanka).

© JE Randall, Bishop Museum



*Centropyge multispinis*, dusky cherub, ~8 cm SL (Mozambique).

© DA Pe劳ck



*Centropyge multispinis*, dusky cherub, 11 cm TL, adult; 3 cm TL, juvenile (South Africa).

Source: CFSA



*Genicanthus caudovittatus*, swallowtail angelfish, ~11 cm TL, female (Red Sea).

© DA Pe劳ck



*Genicanthus caudovittatus*, swallowtail angelfish, male (Red Sea).

© SY Bogorodsky

## Family POMACANTHIDAE, Angelfishes

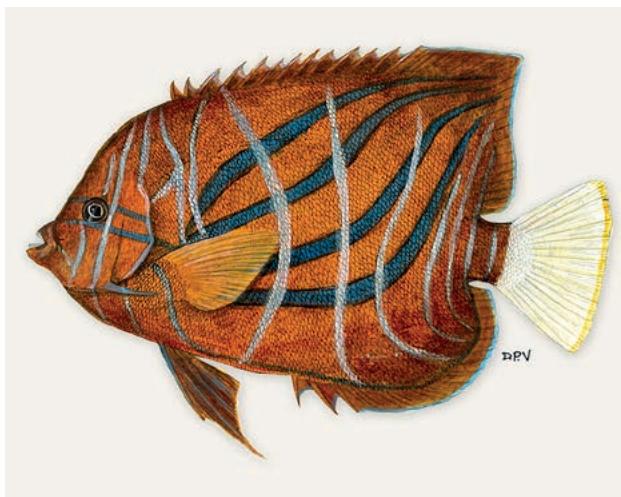


*Pomacanthus annularis*, blue-ring angelfish, 31 cm TL (Thailand).

© J.E.Randall, Bishop Museum



*Pomacanthus annularis*, blue-ring angelfish, 7 cm TL, juvenile (WIO).



*Pomacanthus annularis*, blue-ring angelfish, intermediate phase (WIO).

Source: SSF



*Pomacanthus asfur*, Arabian angelfish, 5 cm SL, juvenile (Red Sea).

© J.E.Randall, Bishop Museum



*Pomacanthus asfur*, Arabian angelfish (Red Sea).

© R.Friedl



*Pomacanthus chrysurus*, dark earspot angelfish, ~23 cm TL (Aldabra).

© A.Townsend

## Family POMACANTHIDAE, Angelfishes



*Pomacanthus chrysurus*, dark earspot angelfish, 8 cm TL, juvenile (South Africa).



*Pomacanthus imperator*, emperor angelfish, 8 cm TL, juvenile (Mauritius). © JE Randall, Bishop Museum



*Pomacanthus imperator*, emperor angelfish, ~35 cm TL (South Africa). © DA Polack



*Pomacanthus maculosus*, yellowbar angelfish, juvenile (Red Sea). © SV Bogorodsky



*Pomacanthus maculosus*, yellowbar angelfish (Red Sea). © SV Bogorodsky



*Pomacanthus rhomboides*, old woman angelfish, ~35 cm SL, adult (South Africa). © DA Polack

## Family POMACANTHIDAE, Angelfishes



*Pomacanthus rhomboides*, old woman angelfish, 9 cm TL, juvenile (South Africa).

© JE Randall, Bishop Museum



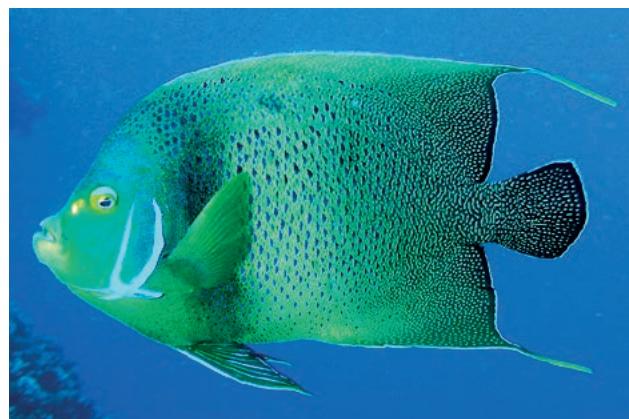
*Pomacanthus semicirculatus*, semicircle angelfish, ~4 cm SL, juvenile (Kenya).

© JE Randall, Bishop Museum



*Pomacanthus semicirculatus*, semicircle angelfish, ~20 cm SL (Solomon Is.).

© DA Polack



*Pomacanthus semicirculatus*, semicircle angelfish, ~30 cm SL (South Africa).

© DA Polack



*Pomacanthus xanthometopon*, blueface angelfish, ~30 cm TL, adult (Maldives).

© JE Randall, Bishop Museum



*Pomacanthus xanthometopon*, blueface angelfish, juvenile (Bali).

© RF Myers

## Family POMACANTHIDAE, Angelfishes

*Pygoplites diacanthus*, regal angelfish, ~4 cm SL, juvenile (Maldives).*Pygoplites diacanthus*, regal angelfish (Maldives).

© JE Randall, Bishop Museum

## Family CHAETODONTIDAE, Butterflyfishes

*Chaetodon andamanensis*, Andaman butterflyfish (Similan Is.).*Chaetodon austriacus*, blacktail butterflyfish, juvenile (Red Sea).

© RF Myers

*Chaetodon austriacus*, blacktail butterflyfish (Red Sea).*Chaetodon bennetti*, archer butterflyfish (South Africa).

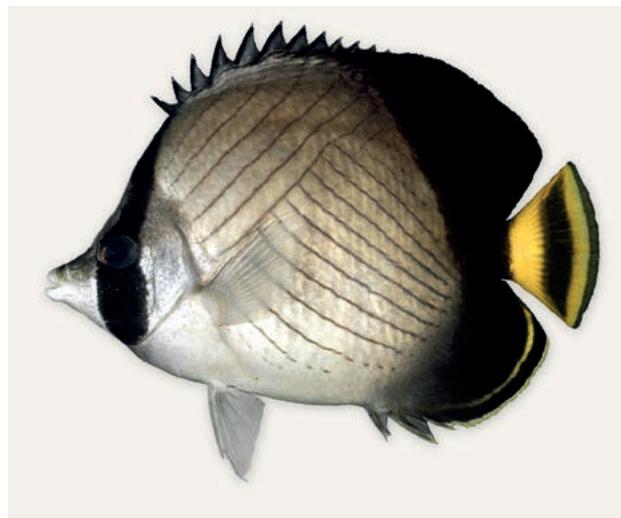
© J Dench

## Family CHAETODONTIDAE, Butterflyfishes



*Chaetodon citrinellus*, speckled butterflyfish (Palau).

© RF Myers



*Chaetodon decussatus*, Indian vagabond butterflyfish, 12 cm SL (Sri Lanka).

© JE Randall, Bishop Museum



*Chaetodon gardineri*, Gardiner's butterflyfish (Arabian Sea).

© RF Myers



*Chaetodon interruptus*, teardrop butterflyfish, ~7 cm TL, juvenile (South Africa).

© S Pollock



© SV Bogodovsky

*Chaetodon larvatus*, orangeface butterflyfish (Red Sea).



© RF Myers

*Chaetodon leucopleura*, Somali butterflyfish (Kenya).

## Family CHAETODONTIDAE, Butterflyfishes



*Chaetodon lineolatus*, lined butterflyfish, 21 cm SL (Maldives); 7 cm TL juvenile (aquarium).



*Chaetodon lunula*, halfmoon butterflyfish, 5 cm TL, juvenile (South Africa); 18 cm TL (S Mozambique).

Source: CFSA



*Chaetodon marleyi*, doublesash butterflyfish (SW Madagascar).

S.Ribes © AV2010



*Chaetodon melannotus*, blackback butterflyfish (Red Sea).

© SV Bogorodsky



*Chaetodon mesoleucos*, whiteface butterflyfish (Red Sea).

© SV Bogorodsky



*Chaetodon mitratus*, obliquebanded butterflyfish, 9 cm SL (S Mozambique).

AD Connell © NRF-SALAB

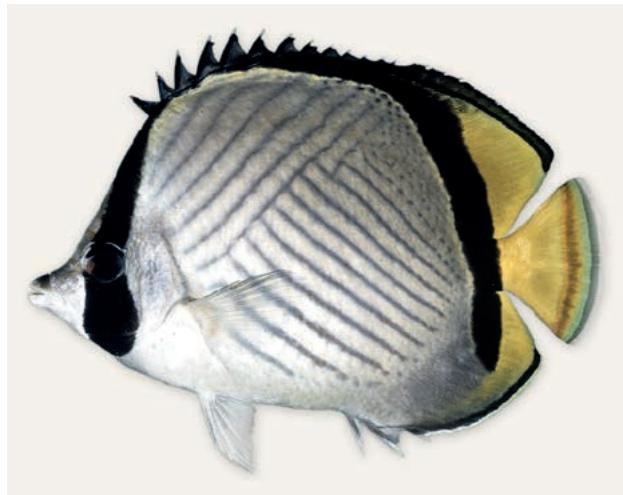
## Family CHAETODONTIDAE, Butterflyfishes



*Chaetodon mitratus*, obliquebanded butterflyfish, ~12 cm TL (Seychelles).



*Chaetodon nigropunctatus*, blackspotted butterflyfish, juvenile (Gulf of Oman).



*Chaetodon pictus*, horseshoe butterflyfish, 14 cm SL (Oman).



*Chaetodon rafflesii*, lattice butterflyfish, ~15 cm TL (Indonesia).



*Chaetodon semeion*, dotted butterflyfish (Palau).



*Chaetodon semilarvatus*, bluecheek butterflyfish (Red Sea).

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## Family CHAETODONTIDAE, Butterflyfishes



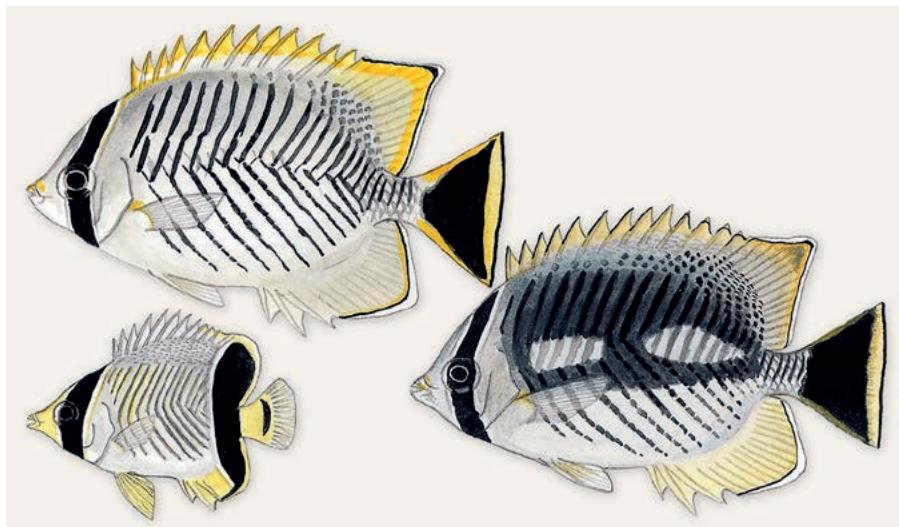
*Chaetodon triangulum*, triangle butterflyfish, 3 cm SL, juvenile (Thailand).

© R.Winterbottom, ROM



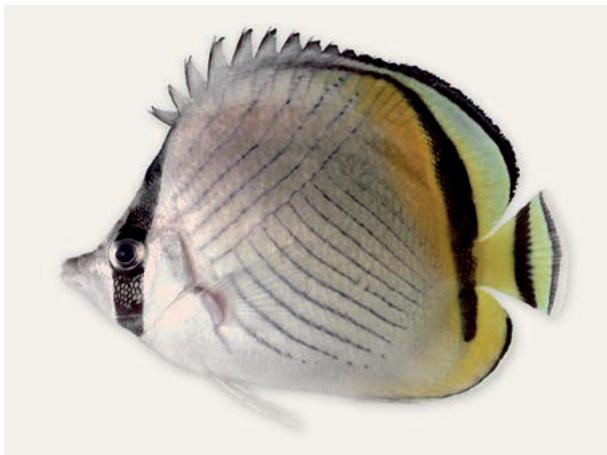
*Chaetodon triangulum*, triangle butterflyfish (Andaman Sea).

© R.F. Myers



*Chaetodon trifascialis*, chevron butterflyfish, 13 cm TL, day pattern (Comoros); 5 cm TL juvenile (Red Sea); 13 cm TL, night/fright pattern (W Pacific).

Source: CFSI.



*Chaetodon vagabundus*, vagabond butterflyfish, 9 cm SL (Mauritius).

PC Heemstra © NRF-SAIAB



*Chaetodon zanzibarensis*, Zanzibar butterflyfish, 12 cm SL (Seychelles).

PC Heemstra © NRF-SAIAB

## Family CHAETODONTIDAE, Butterflyfishes



- 1** *Chaetodon auriga*, threadfin butterflyfish, **(a)** 11 cm SL, **(b)** 2 cm SL, juvenile (both South Africa). **2** *Chaetodon bennetti*, archer butterflyfish, 13 cm SL (Seychelles). **3** *Chaetodon blackburnii*, blackburnie, 11 cm SL (South Africa). **4** *Chaetodon citrinellus*, speckled butterflyfish, 10 cm SL (Maldives). **5** *Chaetodon collare*, redtail butterflyfish, **(a)** 5 cm SL, juvenile (Indian Ocean), **(b)** 16 cm TL (Maldives). **6** *Chaetodon decussatus*, Indian vagabond butterflyfish, 18 cm TL (Sri Lanka). **7** *Chaetodon dolosus*, African blackedged butterflyfish, **(a)** 14 cm SL (South Africa), **(b)** subadult (Kenya). **8** *Chaetodon falcula*, saddled butterflyfish, 12 cm SL (Maldives). **9** *Chaetodon guttatissimus*, peppered butterflyfish, 13 cm SL (Comoros). **10** *Chaetodon kleinii*, whitespotted butterflyfish, 13 cm TL (Mauritius). **11** *Chaetodon leucopleura*, Somali butterflyfish, 12 cm TL (Kenya). **12** *Prognathodes guezei*, Guezé's butterflyfish, ~8 cm SL (Réunion).

## Family CHAETODONTIDAE, Butterflyfishes



**1** *Chaetodon dialeucus*, Oman butterflyfish, 12 cm SL (Oman). **2** *Chaetodon madagascariensis*, pearly butterflyfish, 8 cm SL (South Africa).

**3** *Chaetodon marleyi*, doublesash butterflyfish, **(a)** 7 cm SL, juvenile, **(b)** 15 cm SL (both South Africa). **4** *Chaetodon melannotus*, blackback butterflyfish, 13 cm SL (Maldives). **5** *Chaetodon melapterus*, Arabian butterflyfish, **(a)** 11 cm SL (Oman), **(b)** 3 cm SL, juvenile (aquarium).

**6** *Chaetodon meyeri*, maypole butterflyfish, **(a)** 12 cm SL, **(b)** 7 cm SL (both Comoros). **7** *Chaetodon mitratus*, obliquebanded butterflyfish, 4 cm SL (Maldives). **8** *Chaetodon nigropunctatus*, blackspotted butterflyfish, ~10 cm TL (Persian/Arabian Gulf). **9** *Chaetodon octofasciatus*, eightbar butterflyfish, **(a)** 8 cm SL (New Guinea), **(b)** ~4 cm TL, juvenile (Thailand). **10** *Chaetodon oxycephalus*, napespot butterflyfish, 18 cm SL (Maldives).

**11** *Chaetodon triangulum*, triangle butterflyfish, 8 cm SL (Indonesia). **12** *Roa modesta*, brownbanded butterflyfish (Philippines). #

# = no species account

## Family CHAETODONTIDAE, Butterflyfishes



**1** *Chaetodon austriacus*, blacktail butterflyfish, **(a)** adult, **(b)** 4 cm TL (both Red Sea). **2** *Chaetodon fasciatus*, diagonal butterflyfish, **(a)** 19 cm TL, **(b)** 5 cm SL, juvenile, **(c)** night colouration (all Red Sea). **3** *Chaetodon gardineri*, Gardiner's butterflyfish, 12 cm SL (Sri Lanka). **4** *Chaetodon larvatus*, orangeface butterflyfish, 9 cm TL (Red Sea). **5** *Chaetodon mesoleucus*, whiteface butterflyfish, 11 cm TL (Red Sea). **6** *Chaetodon ornatus*, ornate butterflyfish, **(a)** ~14 cm TL (Cocos [Keeling] Is.), **(b)** night colouration (Cocos [Keeling] Is.), **(c)** 5 cm TL, juvenile (Indian Ocean). **7** *Chaetodon paucifasciatus*, Eritrean butterflyfish, **(a)** 13 cm SL, **(b)** 8 cm SL, juvenile (both Red Sea). **8** *Chaetodon plebius*, **(a)** 10 cm SL (Christmas I.), **(b)** 5 cm SL, juvenile. #

# = no species account

## Family CHAETODONTIDAE, Butterflyfishes



**1** *Chaetodon interruptus*, teardrop butterflyfish, 10 cm SL (South Africa). **2** *Chaetodon trifasciatus*, purple butterflyfish, **(a)** juvenile (Mozambique), **(b)** 11 cm SL (Comoros). **3** *Chaetodon vagabundus*, vagabond butterflyfish, **(a)** 11 cm SL (South Africa), **(b)** 3 cm SL (Kenya). **4** *Chaetodon xanthocephalus*, yellowhead butterflyfish, **(a)** 5 cm SL, juvenile, **(b)** 14 cm TL (both South Africa), **(c)** 7 cm SL (Sri Lanka). **5** *Chaetodon zanzibarensis*, Zanzibar butterflyfish, 12 cm SL (Seychelles). **6** *Heniochus acuminatus*, coachman, 15 cm SL (Japan). **7** *Heniochus diphreutes*, schooling coachman, 10 cm SL (South Africa). **8** *Heniochus monoceros*, masked coachman, 20 cm TL (Maldives). **9** *Heniochus pleurotaenia*, phantom bannerfish, **(a)** juvenile (Maldives), **(b)** 7 cm SL (Sri Lanka). **10** *Heniochus singularis*, singular bannerfish, 20 cm SL (Maldives).

## Family CHAETODONTIDAE, Butterflyfishes



PC Heemstra © NRI-SAIAB

*Forcipiger flavissimus*, forceps butterflyfish, 9 cm SL (Comoros).

© JE Randall, Bishop Museum

*Forcipiger longirostris*, longnose butterflyfish, 11 cm TL (Maldives).*Forcipiger longirostris*, longnose butterflyfish, 17 cm SL (both Comoros).

Source: CFSA

*Hemitaurichthys zoster*, belted butterflyfish, 17 cm TL (South Africa).

© SV Bogorodsky

*Heniochus intermedius*, Red Sea bannerfish (Red Sea).

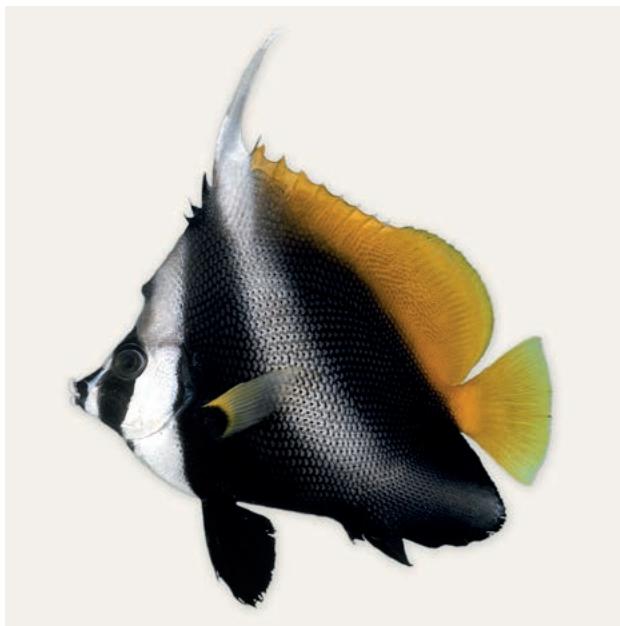
© J Dench

*Heniochus monoceros*, masked coachman (South Africa).

## Family CHAETODONTIDAE, Butterflyfishes



© JE Randall, Bishop Museum

*Heniochus pleurotaenia*, phantom bannerfish, 15 cm SL (Maldives).

© JE Randall, Bishop Museum

*Heniochus singularis*, singular bannerfish, 13 cm SL (Sri Lanka).

© P Timm

*Prognathodes guezei*, Guezé's butterflyfish (South Africa).

Composite

*Prognathodes guyotensis*, guyot butterflyfish, 12 cm SL (W Pacific).

© JE Randall, Bishop Museum

*Roa jayakari*, Indian goldbarred butterflyfish (Red Sea).

PC Heemstra © NRF-SAIAB

?Roa sp., 11 cm SL (Mozambique). #