

Catalog of Fishes December 2015 Errata

Please note that I no longer actively search for errors – Dennis Polack FishWise

saxatilis, *Chauliocheilos* Martins [F. O.], Andrade [B. N.], Rosa [A. C.] & Langeani [F.] 2014:195, Figs. 1-3 [Ichthyological Exploration of Freshwaters v. 25 (no. 3); ref. [33629](#)] Minas Gerais State, Itamarandiba, stream of headwaters of rio Itamarandiba, rio Jequitinhonha drainage, 18°05'48"S, 43°00'19 W, Brazil. Holotype: DZSJRP 19157. Paratypes: AMNH, DZSJRP, MCP, MZUEL, MZUSP. •Valid as *Chauliocheilos saxatilis*

Martins, Andrade, Rosa & Langeani 2014. **Current status: Valid**

as *Chauliocheilos*. Loricariidae: Hypoptopomatinae. Distribution: Rio Itamarandiba River, southern Brazil. Habitat: freshwater.

Valid as *Chauliocheilos saxatilis* Martins, Andrade, Rosa & Langeani 2014

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orientalis, *Coregonus sardinella* Kirillov [F. N.] 1972:100 [Fishes of Yakutia; ref. [7259](#)] Holotype. Reference not seen. •Synonym of *Coregonus*

sardinella **Valencienned** 1848 -- (Parin et al. 2014:124 [ref. [33547](#)]). **Current status:** Synonym of *Coregonus sardinella* Valenciennes 1848. Salmonidae: Coregoninae. Distribution: Oleneck, Lena, Yana, Indigirka and Kolyma, Russia. Habitat: freshwater.

Valenciennes

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cephalus, *Gobiesox* Lacepède [B. G. E.] (ex Plumier) 1800:595, 596, Pl. 19 (fig. 1) [Histoire naturelle des poissons (Lacepède) v. 2; ref. [2709](#)] Amérique méridionale [Central America]. No types known. Based on the 'Cephalus fluviatilis major' in manuscript description of Plumier (Charles Plumier, 1646-1704, French explorer and botanist). Also appeared in Sonnini 1803:279, 280 (vol. 7) [ref. [30473](#)]. See account of *Cyclopterus nudus* Linnaeus 1758. •Wrongly a synonym of *Gobiesox nudus* (Linnaeus 1758) based on misapplication by Briggs -- (Briggs 1955:94 [ref. [637](#)], Ferraris in Reis et al. 2003:512 [ref. [27061](#)]). •**Valid** as *Gobiesox cephalus* Lacepède 1800 -- (Frerholm & Wheeler 1983:271 [ref. [20707](#)]). **Current status:** Valid as *Gobiesox cephalus* Lacepède 1800. Gobiesocidae: Gobiesocinae. Distribution: Caribbean drainages of South America: Colombia, Costa Rica, Cuba, Dominica, Honduras, Jamaica, Panama, Venezuela; islands of the Caribbean. Habitat: freshwater.

Valid

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cotnog, *Hemirhamphus* Smith [H. M.] 1902:170 [Bulletin of the U. S. Fish Commission v. 21 [1901]; ref. [10225](#)] Lake Buhi, Camarines Sur Province, Luzon Island, Philippines. Holotype: USNM 50537. Type catalog: Collette et al. 1992:9 [ref. [19410](#)]. Original genus is correctly *Hemiramphus*. •Status uncertain -- (Collette 1982:266 [ref. [5497](#)], Collette et al. 1992:9 [ref. [19410](#)]). •Incertae sedis -- (Collette 2004:28 [ref. [27583](#)]). • **Valid** as *Zenarchopterus cotnog* (Smith 1902) -- (Kottelat 2013:296 [ref. [32989](#)]). **Current status:** Valid as *Zenarchopterus cotnog* (Smith 1902). Zenarchopteridae. Distribution: Philippines. Habitat: freshwater.

Valid

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ornata, Okamejei Weigmann [S.], Stehmann [M. F. W.] & Thiel [R.] 2015:19, Figs. 1-15, S1-S10 [Deep-Sea research II v. 115; ref. [33795](#)] Off Socotra Islands, 12°16'06"N. 53°08'02"E to 12°14'07"N, 53°06'02"E, depth 375-380 meters. Holotype: ZMH 25885.

Paratypes: ZMH, CSIRO, MNHN. • **Valid** as *Okamejei ornata* Weigmann, Stehmann & Thiel 2015. **Current status:** Valid as *Okamejei ornata* Weigmann, Stehmann & Thiel 2015. Rajidae. Distribution: Indian Ocean, off Socotra Islands. Habitat: marine.

Valid

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pinnauratus, Cyclocheilichthys Day [F.] 1865:300 [Proceedings of the Zoological Society of London 1865 (pt 1); ref. [5295](#)] Small pond, Cochin, India. Holotype (unique): ?ZSI 2728. Day specimens: BMNH 1889.2.1.4332-33 (2), FMNH 2309 (2), NMW 54468-70 (3), RMNH 2582 (1), ZIN 8216 (2). Type catalog: Whitehead & Talwar 1976:156 [ref. [23762](#)]. Also appeared in Day 1865:209, Pl. 15, fig. 2 [ref. [1074](#)]. •Mention under *Puntius sarana* (Hamilton 1822), subspecies *subnasutus* (Valenciennes 1842) -- (Talwar & Jhingran 1991:285 [ref. [20764](#)], Indra 1993:184 [ref. [24009](#)], Indra 1994:416 [ref. [24015](#)]). •Synonym of *Barbodes sarana* (Hamilton 1822), subspecies *subnasutus* (Valenciennes 1842) -- (Menon 1999:72 [ref. [24904](#)]). •Synonym of *Puntius sarana* (Hamilton 1822). •Synonym of *Systomus sarana* (Hamilton 1822) -- (Kottelat 2013:167 [ref. [32989](#)]). • **Valid** as *Puntius pinnauratus* (Day 1865) as *pinnauratus* -- (Plamootti 2014:145 [ref. [33650](#)]). **Current status:** Valid as *Puntius pinnauratus* (Day 1865). Cyprinidae: Cyprininae. Distribution: India. Habitat: freshwater, brackish.

Valid

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pitanga, Pseudacanthicus Chamon [C. C.] 2015:310, Figs. 1-3 [Zootaxa 3973 (no. 2); ref. [33851](#)] Serra dos Carajás, bedrock at rio Itacaiunas, Serra dos Carajás, Pará, Brazil, 05032'00"W, 0552'00"S. Holotype: MZUSP 34296. Paratypes: INPA, MZUSP, UNT. Plus non-type material. • **Valid** as *Pseudacanthicus pitanga* Chamon 2015. **Current status:** Valid as *Pseudacanthicus pitanga* Chamon 2015. Loricariidae: Hypostominae. Distribution: Rio Tocantins, Brazil. Habitat: freshwater.

Valid

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wheeleri, Carcharhinus Garrick [J. A. F.] 1982:111, Figs. 50-51 [NOAA (National Oceanic and Atmospheric Administration) Technical Report NMFS (National Marine Fisheries Service) Circular No. 445; ref. [5454](#)] Red Sea. Holotype: USNM 197418. Paratypes: BMNH 1925.7.20.7-8 (2); ISZZ 10687 (1); MNHN 0000-8001 (1); MSNG 34564 (1); NMW 61-431 (1), 61.441 (3), 61-446 (1), 61-448 (3), uncat. (1); SMF 4363 (dry, mounted skin) (1); USNM 197675 (1). •Valid as *Carcharhinus wheeleri* Garrick 1982 -- (Compagno 1984:501 [ref. [6846](#)], Bass et al. 1986:77 [ref. [5638](#)], Winterbottom et al. 1989:4 [ref. [13251](#)], Goren & Dor 1994:3 [ref. [25356](#)], Voigt & Weber 2011:101 [ref. [31424](#)]). •Synonym of *Carcharhinus amblyrhynchos* (Bleeker 1856) -- (Randall 1995:29 [ref. [22896](#)], Compagno & Niem 1998:1328 [ref. [23787](#)] with question, Fricke 1999:21 [ref. [24106](#)], Bonfil & Abdallah 2004:26 [ref. [27735](#)], Randall 2005:9 [ref. [28239](#)], Randall 2007:29 [ref. [30952](#)], Moore et al. 2012:7 [ref. [31771](#)]). •Status needs study -- (White 2012:3 [ref. [31843](#)]). **Current status:** Synonym of *Carcharhinus amblyrhynchos* (Bleeker 1856). Carcharhinidae. Distribution: Red Sea and western Indian Ocean [if **Valid**]. Habitat: marine.

Valid

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wokamensis, Melanotaenia Allen [G. R.], Hadiaty [R. K.], Unmack [P. J.] & Erdmann [M. V.] 2015:99, Figs. 29-30 [aqua, International Journal of Ichthyology v. 21 (no. 2); ref. [33750](#)] Sungai Torbol, 5°47.945'S, 134°30.365'E, tributary of Sungai Tunguwatu, Wokam Island, Aru Islands, Maluku Province, Indonesia. Holotype: MZB 22254.

Paratypes: MZB, USNM, WAM. • **Valid** as *Melanotaenia wokamensis* Allen, Hadiaty, Unmack & Erdmann 2015. **Current status:** Valid as *Melanotaenia wokamensis* Allen, Hadiaty, Unmack & Erdmann 2015. Melanotaeniidae. Distribution: Aru Islands, Indonesia. Habitat: freshwater.

Valid

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ischyognatha, Moenkhausia Petrolli [M. G.] & Benine [R. C.] 2015:404, Figs. 2-3, 9c [Zootaxa 3986 (no. 4); ref. [33887](#)] Mato Grosso, Gaúcha do Norte; Rio Curisevo, afluyente rio Xingu, Porto Vitória, next ribeirão Kevuaieli, 13°02'05"S, 53°25'19"W, Brazil. Holotype: MZUSP 117140. Paratypes: LBP 15948 (37), MZUSP 91182 (1). •Valid as *Moenkhausia ischyognatha* Petrolli & Benine 2015. **Current status:** Valid as *Moenkhausia ischyognatha* Petrolli & Benine **20151**. Characidae: Pristellinae. Distribution: Rio Curisevo, Brazil. Habitat: freshwater.:

2015

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meridionalis, Schizothorax (Schizothorax) molesworthi Tsao [W.-H.] 1964:147, Fig. 4-7 [The cyprinid fishes of China v. 1; ref. [13501](#)] Lung-Chuan-Jiang River, Yunnan Province, China. Syntypes: IHB (3). •Valid as *Schizothorax meridionalis* Tsao 1964 -- (Mo in Chu & Chen 1989:288 [ref. [13584](#)], Wu & Wu 1992:400 [ref. [21205](#)], Zhu 1995:87 [ref. [25213](#)], Chen & Huang in Chen 1998:189 [ref. [23556](#)], Chen & Cao et al. in Yue 2000:283 [ref. [25272](#)], Yang et al. 2009:38 [ref. [30052](#)], Yang et al. 2013:365 [ref. [32818](#)]). •Valid as *Oreinus meridionalis* (**Tsau** 1964) -- (Kottelat 2013:133 [ref. [32989](#)]). **Current status:** Valid as *Oreinus meridionalis* (Tsao 1964). Cyprinidae: Barbinae. Distribution: China. Habitat: freshwater.

Tsao

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ponticus, Spicara flexuoda Shcherbukha 1982:184 Black Sea. •Synonym of *Spicara flexuosa* Rafinesque 1810 -- (Parin et al. 2014:372 [ref. [33547](#)]). **Current status:** Synonym of *Spicara flexuosa* Rafinesque 1810. Centracanthidae.

Shcherbuka

:

arunachalensis, Barilius Nath [D.], Dam [D.] & Anil Kumar 2010:19, Figs. 5-9 [Records of the Zoological Survey of India 110 (Part 3); ref. [33488](#)] Agari River mouth, D'Ering Memorial Wildlife Sanctuary, near Pasighat, East Siang District, Arunachal Pradesh, India. Holotype: APFS/ZSI/P-502. Paratypes: APFS/ZSI/P-503 (11). •Valid as *Barilius arunachalensis* Nath, Dam & Anil Kumar 2010. **Current status:** Valid as *Barilius arunachalensis* Nath, Dam & Anil Kumar 2010. Cyprinidae: Danioninae. Distribution: Arunachal Pradesh, India. Habitat: freshwater.

Nath [P.]

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cristatus, Oxyurichthys Seale [A.] 1914:39 [The Philippine Journal of Science, Section D v. 9 (no. 1); ref. [14174](#)] •**Valid as Oxyurichthys microlepis** add (Pers. comm. Frank Pezold, Aug, 4, 2015). **Current status: Valid as Oxyurichthys microlepis Seale 1914**. Gobiidae.

Where does *microlepis* come from?

:

nigramembrana*, *Eviota Greenfield [D. W.] & Suzuki [T.] 2013:169, Figs. 1-7 [Zootaxa 3357 (no. 2); ref. [32582](#)] Uehara, Iriomote-jima Islands, 24°43'25"N, 123.8148'E, Ryukyu Islands, Okinawa Prefecture, Japan, depth 3-5 meters. Holotype: OMNH-P 35642. Paratypes: Many form CAS 234537, OMNH-P, USNM 406763 (1). Plus non-type specimens. •Valid as *Eviota* ***nigrimembrana*** Greenfield & Suzuki 2013 -- (Greenfield et al. 2014:487 [ref. [33193](#)], Greenfield & Jewett 2014:58 [ref. [33326](#)]). **Current status:** Valid as *Eviota nigrimembrana* Greenfield & Suzuki 2013. Gobiidae: Gobiinae. Distribution: Northwestern Pacific: Japan (Okinawa Prefecture) and Philippines. Habitat: marine.

***nigramembrana* / *nigrimembrana* which is correct?**

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cantoris*, *Apogon Bleeker [P.] 1851:479 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 2; ref. [16898](#)] Rio [Rhio or Riouw], Indonesia. Syntypes: (2) RMNH 5599 (2 of 3). •Valid as *Apogonichthyoides cantor* (**Bleker** 1851) -- (Fraser & Allen 2010:44 [ref. [30717](#)], Fraser & Allen 2011:67 [ref. [31605](#)], Mabuchi et al. 2014:202 [ref. [33426](#)]). **Current status:** Valid as *Apogonichthyoides cantor* (Bleeker 1851). Apogonidae: Apogoninae. Distribution: Western Pacific. Habitat: marine.

Bleeker

:

erythrura*, *Rohita Valenciennes [A.] in Cuvier & Valenciennes 1842:268 [Histoire naturelle des poissons v. 16; ref. [1009](#)] Bogor, Java, Indonesia. Holotype (unique): whereabouts unknown. Type information: Roberts 1993:20 [ref. [21799](#)]. Simultaneous subjective synonym of *vittatus*; first revisor **Bleker** 1860:180 gave precedence to *vittatus*. •Synonym of *Osteochilus hasseltii* (Valenciennes 1842) -- (Roberts 1993:19 [ref. [21799](#)] as *hasselti*). •Mention with status uncertain -- (Guibé & Spillmann 1958:463 [ref. [26589](#)]). •Mention -- (Kottelat & Tan 2009:5 [ref. [30259](#)]). •Synonym of *Osteochilus vittatus* (Valenciennes 1842) -- (Kottelat 2013:136 [ref. [32989](#)]). **Current status:** Synonym of *Osteochilus vittatus* (Valenciennes 1842). Cyprinidae: Labeoninae. Habitat: freshwater.

Bleeker

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macracanthus*, *Barbus Bleeker [P.] 1854:516 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 5; ref. [5965](#)] Palembang, Sumatra, Indonesia. Syntypes: (2) ?BMNH 1866.5.2.136 (1); RMNH 7011 (1), 10478 (1). •Synonym of *Cyclocheilichthys enoplos* (Bleeker 1849) -- (Roberts 1989:35 [ref. [6439](#)]). •Synonym of *Cyclocheilos enoplus* (**Bleker** 1849) -- (Kottelat 2013:93 [ref. [32989](#)]). **Current status:** Synonym of *Cyclocheilos enoplos* (Bleeker 1849). Cyprinidae: Cyprininae. Habitat: freshwater.

Bleeker

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fasciatus*, *Barbus Bleeker [P.] 1853:190 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 5; ref. [16902](#)] Marawang, Bangka, Indonesia. Lectotype: RMNH 4015. Paralectotypes: ?BMNH 1866.5.2.191 (1, poor condition). Subjectively invalid; secondarily preoccupied by *Cirrhinus fasciatus* Jerdon 1849, replaced by *Puntius eugrammus* Silas 1956. Lectotype designated by Kottelat 1996:307 [ref. [22841](#)]. •Synonym of *Puntius eugrammus* Silas 1956 -- (Kottelat et al. 1993:43 [ref. [23448](#)]). •Synonym of *Puntius johorensis* (Duncker 1904) -- (Kottelat 1996:307 [ref. [22841](#)]). **Current status:** Synonym of *Puntius eugrammus* **Silar** 1956.

Cyprinidae: Cyprininae. Habitat: freshwater.

Silas

basilewskii, Silurichthys Bleeker [P.] 1858:256 [Acta Societatis Regiae Scientiarum Indo-Neêrlandicae v. 4; ref. [365](#)] Northern China. No types known. Type catalog: Ferraris 2007:381 [ref. [29155](#)]. Available as "*Silurichthys ? Basilewskii* Blkr. = *Silurus asotus* Basilewski (nec CV.) Hab. China borealis." •Species inquirenda in Siluridae -- (Ferraris 2007:381 [ref. [29155](#)]). •**Questionably** a synonym of *Silurus asotus* Linnaeus 1758 -- (Kottelat 2013:239 [ref. [32989](#)]). **Current status:** Uncertain as *Silurus asotus* Linnaeus 1758. Siluridae. Habitat: freshwater.

Questionably

:

tetraspilus, Barbus Günther [A.] 1868:142 [Catalogue of the fishes in the British Museum v. 7; ref. [1990](#)] Sri Lanka. No types known. Replacement name for *Leuciscus binotatus* Blyth 1858, secondarily preoccupied in *Barbus* by *Barbus binotatus* Valenciennes 1842 (see Pethiyagoda et al. 2008:212 [ref. [29986](#)]). •Synonym of *Puntius dorsalis* (Jerdon 1849) -- (Menon 1999:91 [ref. [24904](#)]). •Species inquirenda -- (Pethiyagoda et al. 2008:202, 212 [ref. [29986](#)]). **Current status:** Synonym of *Puntius* **????? ????? ????? ?????**. Cyprinidae: Cyprininae. Habitat: freshwater.

dorsalis (Jerdon 1849)

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cruciensis, Scarus Forster [J. R.] 1795:16 [Zoologia Indica, sistens descriptiones animalium selectorum; ref. [18091](#)] India. Name only. Based on *Scarus cruciensis* Bloch 1790. •Synonym of *Scarus croicensis* Bloch 1790. **Current status:** Synonym of *Scarus coicensis* Bloch 1790. Scaridae: Scarinae.

croicensis

:

intermedius, Scoliodon Garman [S.] 1913:115 [Memoirs of the Museum of Comparative Zoology v. 36; ref. [1545](#)] East Indies. Lectotype: MCZ 485-S. Paralectotypes: MCZ 484-S (1). Type catalog: Hartel & Dingerkus 1997:xxxix [ref. [23119](#)]. Lectotype designated by Springer 1964:621 [ref. [3494](#)]. •Synonym of *Rhizoprionodon lalandii* (Müller & Henle 1839) -- (Compagno 1984:527 [ref. [6846](#)]).

•Valid as **Scoliodon intermedius** Garman 1913 -- (Last et al. 2010:129

[ref. [32461](#)]). **Current status:** **Synonym of Scoliodon**

intermedius (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

Scoliodon

Synonym of Rhizoprionodon lalandii (Müller & Henle 1839).

or

Valid as Scoliodon intermedius Garman 1913.

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sebae, Bodianus Bloch [M. E.] & Schneider [J. G.] 1801:335 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] No locality. Based on Seba, 1759: pl. 27 (fig. 16). •Synonym of *Parapercis cylindrica* (Bloch 1792) -- (Cantwell 1964:262 [ref. [23974](#)]). •Synonym of *Parapercis tetracanthus* (**Lecepède** 1800) -- (Randall 2003:2

[ref. [27690](#)]). **Current status:** Synonym of *Parapercis tetracanthus* (**Lecepède** 1800). Pinguipedidae. Habitat: marine.

Lacepède

:

fusca, Poecilia Bloch & **Schneider** (ex Forster) 1801:453 [M. E. Blochii, Systema Ichthyologiae; ref. [471](#)] Pacific islands [is Oriadea = Raiatea, Society Islands, French Polynesia, South Pacific]. No types known. Based on description in manuscript by Forster (Johann Reinhold Forster, 1729-1798, German explorer and naturalist of Cook's second voyage). Forster manuscript reproduced as *Cobitis pacifica* in Lichtenstein 1844:235-236 [ref. [17531](#)]. •Valid as *Eleotris fusca* (Bloch & Schneider 1801) [sometimes authorship given as Forster] -- (Roberts 1978:65 [ref. [8886](#)], Akihito in Masuda et al. 1984:240 [ref. [6441](#)], Maugé 1986:392 [ref. [6218](#)], Hoese 1986:809 [ref. [5670](#)], Aatur Rahman 1989:287 [ref. [24860](#)], Kawanabe & Mizuno 1989:554 [ref. [25598](#)], Zheng 1989:334 [ref. [21202](#)], Pethiyagoda 1991:240 [ref. [20075](#)], Allen 1991:155 [ref. [21090](#)], Talwar & Jhingran 1991:975 [ref. [20764](#)], Wu in Pan et al. 1991:434 [ref. [23876](#)], Allen et al. 1992:302 [ref. [21400](#)], Skelton 1993:360 [ref. [24071](#)], Roberts 1993:42 [ref. [21799](#)], Kottelat et al. 1993:134 [ref. [23448](#)], Zhu 1995:175 [ref. [25213](#)], Rainboth 1996:195 [ref. [22772](#)], Miller 1998:289 [ref. [24950](#)], Marquet et al. 1999:43 [ref. [23934](#)], Fricke 1999:494 [ref. [24106](#)] with note on locality, Keith et al. 1999:104 [ref. [24548](#)], Mishra et al. 1999:88 [ref. [25315](#)], Larson in Randall & Lim 2000:637 [ref. [25122](#)], Nakabo 2000:1150 [ref. [25182](#)] with authors as Bloch & Schneider, Laboute & Grandperrin 2000:60 [ref. [25191](#)], Freyhof et al. 2000:97 [ref. [25184](#)], Stiassny & Harrison 2000:150 [ref. [25252](#)], Bijukumar & Sushama 2000:187 [ref. [25703](#)], Kottelat 2001:60 [ref. [25482](#)], Larson & Murdy 2001:3577 [ref. [26293](#)] with authors as Bloch & Schneider, Sakai et al. 2001:107 [ref. [25693](#)], Skelton 2001:360 [ref. [27406](#)] with author as Schneider, Allen et al. 2002:319 [ref. [25930](#)], Keith et al. 2002:120 [ref. [31473](#)], Nakabo 2002:1150 [ref. [26193](#)] with authors as Bloch & Schneider, Manilo & Bogorodsky 2003:S117 [ref. [27377](#)] with Bloch & Schneider as authors, Aatur Rahman 2003:312 [ref. [31338](#)] with authors as Bloch & Schneider, Randall et al. 2004:29 [ref. [27624](#)] with Bloch & Schneider as authors, Heemstra et al. 2004:3330, 3338 [ref. [27945](#)], Seegers et al. 2003:46 [ref. [28087](#)], Larson & Pidgeon 2004:197 [ref. [28107](#)], Hoese 2006:1599 [ref. [28998](#)] with authorship as Bloch & Schneider, Larson et al. 2008:138 [ref. [29532](#)], Allen et al. 2008:151 [ref. [30265](#)], Fricke et al. 2009:98 [ref. [30213](#)], Yonezawa et al. 2010:253 [ref. [30902](#)], Schliewen 2011:209 [ref. [31738](#)], Maeda et al. 2011:257 [ref. [32003](#)], Kottelat 2013:392 [ref. [32989](#)]., Fricke et al. 2014:156 [ref. [33932](#)] **Current status:** Valid as *Eleotris fusca* (Bloch & Schneider 1801). Eleotridae: Eleotrinae. Distribution: Indo-West Pacific: Transkei (South Africa), East Africa, Seychelles, Madagascar and Mascarenes east to Gambier Islands and Marquesas Islands, north to Ryukyu Islands, south to New Caledonia and Rapa. Habitat: freshwater, brackish, marine.

Schneider

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variegatus, Squalus (Scyliorhinus) Blainville [H. de] 1816:121 [Bulletin de la Société Philomathique de Paris v. 8; ref. [306](#)] Not available, name only (see Dingerkus & DeFino 1983:56 [ref. [5386](#)]). •Questionably in the synonymy of *Chiloscyllium colax* Fowler 1941 -- (Kharin 1987:367 [ref. [6227](#)] with author as Meuschen). **Current**

status: **Synonym of *Chiloscyllium colax* Fowler 1941.**

Hemiscylliidae.

Synonym of *Chiloscyllium indicum* (Gmelin 1789)

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altera, Lyra Plumier [C.] in Bloch 1793:125 [Naturgeschichte der ausländischen Fische v. 7; ref. [4868](#)] Not available, manuscript name in the synonymy of ***Trigla***

***punctata* Bloch 1793.** Triglididae.

Prionotus punctatus (Bloch 1793)

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furcifer, Serranus fur Valenciennes [A.] in Cuvier & Valenciennes 1828:264 [Histoire naturelle des poissons v. 2; ref. [997](#)] Brazil. Holotype (unique): MNHN 0000-0131. Type catalog: Bauchot et al. 1984:28 [ref. [19232](#)]. •Valid as *Paranthias furcifer* (Valenciennes 1828) -- (Robins & Ray 1986:136 [ref. [23100](#)], Smith 1990:702 [ref. [18227](#)], Heemstra 1991:57 [ref. [19323](#)], Cervigón 1991:354 [ref. [24472](#)], Boschung 1992:109 [ref. [23239](#)], Cervigón 1992:433 [ref. [23827](#)], Heemstra & Randall 1993:284 [ref. [21042](#)], Grace et al. 1994:44 [ref. [25512](#)], Evseenko 1996:727 [ref. [24666](#)] as *fuscifer*, Grove & Lavenberg 1997:329 [ref. [24023](#)], Aguilera 1998:48 [ref. [24221](#)], Smith-Vaniz et al. 1999:216 [ref. [25013](#)], Afonso et al. 1999:72 [ref. [25466](#)], Thomson et al. 2000:97 [ref. [25640](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Bostrom et al. 2002:655 [ref. [26722](#)], Collette et al. 2003:107 [ref. [26784](#)], Heemstra et al. 2003:1362 [ref. [27060](#)], Moura & Menezes in Menezes et al. 2003:77 [ref. [27192](#)], Nelson et al. 2004:129 [ref. [27807](#)], McEachran & Fechhelm 2005:172 [ref. [28815](#)], Wirtz et al. 2007:30 [ref. [30263](#)], Craig et al. 2011:328 [ref. [31786](#)], Smith-Vaniz & Collette 2013:171 [ref. [32953](#)], Smith-Vaniz & Jelks 2014:42 [ref. [33341](#)], Wirtz et al. 2014:6 [ref. [33516](#)]. •Valid as *Cephalopholis furcifer* (Valenciennes 1828) -- (Page et al. 2013:131 [ref. [32708](#)]). **Current status:** Valid as *Paranthias furcifer* (Valenciennes 1828). Serranidae: Epinephelinae. Distribution: Western Atlantic: Bermuda and Gulf of Mexico, eastern and southeastern Caribbean Sea and south to Brazil; central and eastern Atlantic: Ascension Island and islands of the Gulf of Guinea. Habitat: marine.

Is this a typo or is it the original species ???

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flavicycla, Pempheris flavicycla Randall [J. E.], Satapoomin [U.] & Alpermann [T. J.] in Randall, Bogorodsky, Alpermann, Satapoomin, **Moori & Mai** 2014:4, Figs. 3-6 [Journal of the Ocean Science Foundation 2013 (v. 9); ref. [33103](#)] Mafia Island, Chole Islands, Chole Bay, Tanzania, depth 0-2 meters, Holotype: BPBM 17633. Paratypes: BPBM, SAIAB, USNM, ZSI/CLT. •Valid as *Pempheris flavicycla*, subspecies *flavicycla* Randall, Bogorodsky & Alpermann, et al. 2014. •Valid as *Pempheris flavicycla* Randall, Bogorodsky & Alpermann 2014 -- (Mooi & Randall 2014:389, 395 [ref. [33215](#)]). •Valid as *Pempheris flavicycla* Randall, Satapoomin & Alpermann 2014 -- (Randall & Bineesh 2014:25 [ref. [33266](#)], Randall et al. 2014:377 [ref. [33585](#)], Randall & Victor 2014:82 [ref. [33616](#)]). •Synonym of *Pempheris adusta* Bleeker 1877 -- (Koeda et al. 2014:303 [ref. [33297](#)]). **Current status:** Synonym of *Pempheris adusta* Bleeker 1877. Pempheridae. Distribution: Red Sea, Gulf of Aden, Kenya, Tanzania, Seychelles, Chagos Archipelago to Thailand (if valid). Habitat: marine.

Mooi & Mal

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marisrubri, Pempheris flavicycla Randall [J. E.], Bogorodsky [S. V.] & **Alpermann [T.]** in Randall, Bogorodsky, Alpermann, Satapoomin, Mooi & Mal 2014:9, Figs. 7-9 [Journal of the Ocean Science Foundation 2013 (v. 9); ref. [33103](#)] Saudi Arabia, Raghigh, Red Sea, 22°42'35"N, 39°01'19"E, depth 10-12 meters. Holotype: ZMF 33630. Paratypes: BPBM, CAS, KAUMM, SMF, USNM (if valid). •Valid as *Pempheris flavicycla*, subspecies *marisrubri* Randall, Bogorodsky & Alpermann 2014. •Synonym of *Pempheris flavicycla* Randall, Bogorodsky & Alpermann 2013 -- (Randall, & Bineesh 2014: 25 [rec, 33266]). •Synonym of *Pempheris adusta* Bleeker 1788 -- (Koeda

et al. 2014:303 [ref. [33297](#)]). **Current status:** Synonym of *Pempheris adusta* Bleeker 1877. Pempheridae. Habitat: marine.

Alpermann [T. J.]

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daduheensis, Sinogastromyzon Guo [Y.-S.] & Yang [J.] in **Yang & Goa** 2013:895, Figs. 1-8 [Acta Zootaxonomica Sinica v. 38 (no. 4); ref. [32962](#)] Dadu River, Xiaoshunicun, China, 29°15'N, 102°19'E, altitude 900 meters. Holotype: 201203001. Paratypes: 201203001 -08 (8), 201203002-13 (12). •Valid as *Sinogastromyzon daduheensis* Guo & Yang 2013. **Current status:** Valid as *Sinogastromyzon daduheensis* Guo & Yang 2013. Balitoridae. Distribution: Sichuan Province, China. Habitat: freshwater.

Yang & Guo

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andriashevi, Bathyraja Dolganov [V. N.] 1983:**add, add** [Rukovodstvo po opredeleniyu khryashchevykh ryb dal'nevostochnykh morei SSSR i sopredel'nykh vod.; ref. [27960](#)] Western Pacific, Pacific coast of Honshu, Japan, 36°24'N, 141°29'E, depth 1470-1480 meters or 1390-1480 meters (p. 123 in ref. 8163). Holotype: ZIN 46191. Supplementary material: (1). The original spelling in 1985 was *andriyashevi*; Andriashev has at least 17 species of fishes named after him, all as *andriashevi*; so we suggest adopting that spelling which is in prevailing usage. Also appeared as new in Dolganov 1985:415, Fig. 1 [ref. [8163](#)] as *andriashevi*. Types are from ref. 8163. •Valid as *Bathyraja andriashevi* Dolganov 1983 -- (McEachran & Dunn 1998:286 [ref. [23312](#)], Dolganov 1999:429 [ref. [24873](#)], Compagno 1999:488 [ref. [25589](#)], Nakabo 2000:167 [ref. [25086](#)], Nakabo 2002:167 [ref. [26001](#)], Fedorov et al. 2003:16 [ref. [27579](#)], Stevenson et al. 2004:312 [ref. [27688](#)], Parin et al. 2014:30 [ref. [33547](#)]). **Current status:** Valid as *Bathyraja andriashevi* Dolganov 1983. Arhynchobatidae. Distribution: Western Pacific. Habitat: marine.

What does this mean?

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leucopygus, Chaetodon Ahl [E.] 1923:72, Pl. 2 (fig. 12) [Archiv für Naturgeschichte Berlin (N.F.) v. 89 Abt. A, Heft 5; ref. [5113](#)] **Dar-es-salem**, Tanzania. Holotype (unique): ZMB 13610. Types mentioned: Paepke 1995:96 [ref. [21847](#)]. •Synonym of *Chaetodon leucopleura* Playfair 1867 -- (Burgess 1978:628 [ref. [700](#)], Allen 1980:161 [ref. [22764](#)]). **Current status:** Synonym of *Chaetodon leucopleura* Playfair 1867. Chaetodontidae. Habitat: marine.

Dar es salaam

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madagaskariensis, Chaetodon chrysurus Ahl [E.] 1923:163 [Archiv für Naturgeschichte Berlin (N.F.) v. 89 Abt. A, Heft 5; ref. [5113](#)] Madagascar, southwestern Indian Ocean. ZMB (not found). Usually seen as *madagascariensis* but probably should not be emended; authors however may wish to evoke a **prevailing** usage argument. Types mentioned: Paepke 1995:96 [ref. [21847](#)] as *madagascariensis*. •Synonym of *Chaetodon mertensii* Cuvier 1831 -- (Randall 2005:316 [ref. [28239](#)]). •Valid as *Chaetodon madagaskariensis* Ahl 1923 -- (Burgess 1978:398 [ref. [700](#)], Allen 1980:161 [ref. [22764](#)], Heemstra 1986:629 [ref. [5660](#)], Winterbottom et al. 1989:42 [ref. [13251](#)] *asmadagascariensis*, Chen et al. 1997:119 [ref. [26476](#)] as *madagascariensis*, Myers 1999:164 [ref. [23965](#)], Fricke 1999:333 [ref. [24106](#)], Allen & Adrim 2003:42 [ref. [26830](#)], Smith et al. 2003:304 [ref. [27125](#)] as *madagascariensis*, Heemstra et al. 2004:3323 [ref. [27945](#)], Heemstra & Heemstra 2004:290 [ref. [28072](#)], Fricke et al. 2009:72 [ref. [30213](#)], Allen & Erdmann 2012:525 [ref. [31980](#)], Fricke et al. 2013:262 [ref. [32706](#)]). **Current status:** Valid as *Chaetodon madagaskariensis* Ahl

1923. Chaetodontidae. Distribution: Indian Ocean: South Africa, East Africa, Mozambique Channel, Seychelles, Madagascar and Mascarenes east to Cocos-Keeling and Christmas islands (Indian Ocean), Sri Lanka to Andaman Sea. Habitat: marine.

prevailing

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agulha, *Hyphessobrycon* Fowler [H. W.] 1913:549, Fig. 15 [Proceedings of the Academy of Natural Sciences of Philadelphia v. 65; ref. [1389](#)] Madeira River, about 200 miles east of 62°20'W, Brazil. Holotype: ANSP 39232. Paratypes: ANSP 39233-83 (51), 39287 (1, c&s) 39284-86 (3, missing), 39288-89 (2, missing). Type catalog: Böhlke 1984:42 [ref. [13621](#)]. •Valid as *Hyphessobrycon agulha* Fowler 1913 -- (Ortega & Vari 1986:8 [ref. [9708](#)], Zarske & Géry 1998:25 [ref. [23983](#)], Lima & Malabarba in Reis et al. 2003:134 [ref. [27061](#)], Zarske & Géry 2004:36 [ref. [28039](#)], García-Alzate et al.

2011:709 [ref. [31266](#)], García- **Alzati** et al. 2013:860 [ref. [32692](#)], Lima et al.

2014:177 [ref. [33535](#)], Ohara & Lima 2015:570 [ref. [33846](#)], Zarske 2015:295 [ref. [34028](#)]). **Current status:** Valid as *Hyphessobrycon agulha* Fowler 1913.

Characidae: Pristellinae. Distribution: Brazil, Colombia and Peru. Habitat: freshwater.

Alzate

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amaronensis, *Hyphessobrycon* García-Alzate [C. A.], Román-Valencia [C.] & Taphorn [D. C.] 2010:36, Figs. 1-3 [Brenesia No. 70; ref. [30724](#)] Putumayo, 0°11'02'S, 74°53'14"W, Caño Amaron, tributary of Río Putumayo, Puerto Leguizama municipio, Departamento Amazonia, Colombia. Holotype: IUQ. Paratypes: AUM 50026 (10); IAvHP 11239 (6); IUQ 2162 (1), 2166 (95), 2287 (4, c&s). •Valid as *Hyphessobrycon amaronensis* García-Alzate, Román-Valencia & Taphorn 2010 -- (García-Alzate et al.

2011:709 [ref. [31266](#)], García- **Alzati** et al. 2013:861 [ref. [32692](#)], Carvalho & Langeani 2013:526 [ref. [32913](#)], García-Alzate et al. 2015:222 [ref. [33855](#)]). **Current status:** Valid as *Hyphessobrycon amaronensis* García-Alzate, Román-Valencia & Taphorn 2010. Characidae: Pristellinae. Distribution: Tributaries of the Río Putumayo, Amazonia, Colombia. Habitat: freshwater.

Alzate

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compressus, *Hemigrammus* Meek [S. E.] 1904:87, Fig. 25 [Field Columbian Museum, Zoological Series v. 5; ref. [2958](#)] Río Papaloapam basin at El Hule, Oaxaca, Mexico. Holotype: FMNH 4641. Paratypes: BMNH 1905.12.6.4-5 (2); FMNH 4642 (17), 4662 (11) 105930 [ex FMNH 4642] (2); MCZ 29911 [ex IU 11126] (2); USNM 55728 [ex FMNH] (2). Type catalog: Ibarra & Stewart 1987:44 [ref. [12367](#)], Vari & Howe 1991:24 [ref. [19022](#)]. •Valid as *Hyphessobrycon compressus* (Meek 1904) -- (Espinosa Pérez et al. 1993:25 [ref. [22290](#)], Greenfield & Thomerson 1997:77 [ref. [22947](#)], Weitzman & Palmer 1997:225 [ref. [22743](#)], Zarske & Géry 1997:310 [ref. [23715](#)], Almirón & Casciotta 1999:344 [ref. [24405](#)], Lima & Malabarba in Reis et al. 2003:135 [ref. [27061](#)], Nelson et al. 2004:81 [ref. [27807](#)], Miller 2006:157 [ref. [28615](#)], García-Alzate et al. 2008:48 [ref. [29671](#)], García-Alzate & Román-Valencia 2008:13 [ref. [30008](#)], Malabarba et al. 2012:49 [ref. [31810](#)], García-Alzate et al. 2013:183 [ref. [32440](#)], García-Alzati et al. 2013:861 [ref. [32692](#)], Page et al. 2013:81 [ref. [32708](#)], Dagosta et al. 2014:366 [ref. [33382](#)], Carvalho & Malabarba 2015:514 [ref. [34032](#)]). **Current status:** Valid as *Hyphessobrycon compressus* (Meek 1904). Characidae: Pristellinae. Distribution: Atlantic slope rivers and streams of southern Mexico, Belize and Guatemala. Habitat: freshwater.

Alzate

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nigricinctus, *Hyphessobrycon* Zarske [A.] & Géry [J.] 2004:33, Figs. 1-3 [Zoologische Abhandlungen; Staatliches Museum für Tierkunde in Dresden v. 54; ref. [28039](#)] Río Madre de Dios, Peru. Holotype: MTD F 28465. Paratypes: Géry coll. 1065.1.2004 (1), 1065.2.2004 (1); MTD F 28457-59 (3), 28460-61 (2); ZFMK 39847 (1). Type catalog: Herder et al. 2010:116 [ref. [31087](#)]. •Valid as *Hyphessobrycon nigricinctus* Zarske &

Géry 2004 -- (Zarske & Géry 2006:48 [ref. [28750](#)], García- **Alzati** et al. 2013:861 [ref. [32692](#)]). **Current status:** Valid as *Hyphessobrycon nigricinctus* Zarske & Géry 2004. Characidae: Pristellinae. Distribution: Peru. Habitat: freshwater.

Alzate

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eschwartzae, Hyphessobrycon García-**Alzati** [C. A.], Román-Valencia [C.] & Ortega [H.] 2013:865, Figs. 3-5 [Revista de Biología Tropical v. 61 (no. 2); ref. [32692](#)] La Cachuela, Río Madre de Dios, Tambopata, Río das Dios, 12°16'38.2"S, 69°09'8.12"W, Peru. Holotype: MUSM 42392. Paratypes: Many at AUM, IUM, MUSM. •Valid

as *Hyphessobrycon eschwartzae* García- **Alzati**, Román-Valencia & Ortega 2013 -- (Lima et al. 2014:177 [ref. [33535](#)]). **Current status:** Valid as *Hyphessobrycon eschwartzae* García- **Alzati**, Román-Valencia & Ortega 2013. Characidae: Pristellinae. Distribution: Río Madre de Dios, Peru. Habitat: freshwater.

Alzate

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fernandezii, Hyphessobrycon Fernández-Yépez [A.] 1972:20, Pl. 20 [Análisis ictiológico del complejo hidrográfico; ref. [19696](#)] Cerca a Aroa en la vía a Duaca, 10°29'50"N, 68°52'20"W, finca de Atria, Quebrada Cupa, Venezuela. Neotype: MBUCV-V 34105. Neotype designated by García-Alzate, Román-Valencia & Taphorn 2008:149 [ref. [29919](#)]; originally a holotype and 61 paratypes (apparently lost) from Río Yaracuy drainage, Venezuela. •Valid as *Hyphessobrycon fernandezii* Fernández-Yépez 1972 -- (Lima & Malabarba in Reis et al. 2003:136 [ref. [27061](#)], García-Alzate et al. 2008:145 [ref. [29919](#)], García-Alzate & Román-Valencia 2008:15 [ref. [30008](#)], García-Alzate et al. 2010:801 [ref. [30824](#)], García- **Alzati** et al. 2013:861 [ref. [32692](#)], Marinho et al. 2014:263 [ref. [33372](#)], Lima et al. 2014:177 [ref. [33535](#)]). **Current status:** Valid as *Hyphessobrycon fernandezii* Fernández-Yépez 1972. Characidae: Pristellinae.

Distribution: Coastal Caribbean **drainages** of Venezuela and the Orinoco River basin: Colombia and Venezuela. Habitat: freshwater.

Alzate - drainages

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heterorhabdus, Tetragonopterus Ulrey [A. B.] 1894:610 [American Naturalist v. 28 (no. 331); ref. [12356](#)] Pará, Brazil. Syntypes: (several) CAS 44415 [ex IU 5496] (9), 44416 [ex IU 5500] (6); CAS-SU 2174 (1). Type catalog: Böhlke 1953:27 [ref. [12291](#)]. Species was also described as new in Ulrey 1895:286 [ref. [12371](#)]. •Valid as *Hyphessobrycon heterorhabdus* (Ulrey 1894) -- (Zarske & Géry 1998:20 [ref. [23983](#)], Lasso et al. 2001:95 [ref. [25928](#)] as cf. *heterorhabdus*, Lima & Malabarba in Reis et al. 2003:137 [ref. [27061](#)], Zarske & Géry 2004:36 [ref. [28039](#)], García-Alzate et al. 2008:48 [ref. [29671](#)], García-Alzate et al. 2008:140 [ref. [29919](#)], García-Alzate & Román-Valencia 2008:15 [ref. [30008](#)], García-Alzate et al. 2010:39 [ref. [30724](#)], García-Alzate et al. 2010:55 [ref. [30716](#)], García-Alzate et al. 2010:801 [ref. [30824](#)], García-Alzate et al. 2011:709 [ref. [31266](#)], García- **Alzati** et al. 2013:861 [ref. [32692](#)], Marinho et al. 2014:263 [ref. [33372](#)], Lima et al. 2014:177 [ref. [33535](#)], García-Alzate et al. 2015:223 [ref. [33855](#)]). **Current status:** Valid as *Hyphessobrycon heterorhabdus* (Ulrey 1894). Characidae: Pristellinae. Distribution: Amazon River basin, Brazil and Colombia. Habitat: freshwater.

Alzate

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taphorni, Hyphessobrycon García- **Alzati** [C. A.], Román-Valencia [C.] & Ortega [H.] 2013:862, Fig. 1-2 [Revista de Biología Tropical v. 61 (no. 2); ref. [32692](#)] Aquajal pozo Paiche, Río Tambopata, cuenca del río Madre de Dios, 12°29'04.2"S, 68°57'09.09"W, Peru. Holotype: MUSM 42391. Paratypes: Many at AUM, IUQ, MUSM.

•Valid as *Hyphessobrycon taphorni* García- **Alzati**, Román-Valencia & Ortega

2013. **Current status:** Valid as *Hyphessobrycon taphorni* García- **Alzati**, Román-Valencia & Ortega 2013. Characidae: Pristellinae. Distribution: Madre de Dios River drainage, Peru. Habitat: freshwater.

Alzate

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melanostichos, *Hyphessobrycon* Carvalho [T. P.] & Bertaco [V. A.] 2006:302, Figs. 1-3 [Neotropical Ichthyology v. 4 (no. 3); ref. [28812](#)] Rio Doze de Outubro on road BR 364 between Comorodo and Vilhena, 12°58'39"S, 60°00'30"W, Comodoro, Mato Grosso, Brazil. Holotype: MCP 39510. Paratypes: MCP 38396 (203, 3 c&s), MZUSP 89646 (25). Plus non-type material. •Valid as *Hyphessobrycon melanostichos* Carvalho & Bertaco 2006 -- (Bertaco et al. 2007:248 [ref. [29277](#)], García-Alzate et al. 2008:48 [ref. [29671](#)] as *malanostichos*, García- **Alzati** et al. 2013:861 [ref. [32692](#)], Carvalho & Langeani 2013:526 [ref. [32913](#)], Marinho et al. 2014:263 [ref. [33372](#)]). **Current status:** Valid as *Hyphessobrycon melanostichos* Carvalho & Bertaco 2006. Characidae: Pristellinae. Distribution: Doze de Outubro River, headwaters of Tapajós River basin, Brazil. Habitat: freshwater.

Alzate

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notidanos, *Hyphessobrycon* Carvalho [T. P.] & Bertaco [V. A.] 2006:304, Figs. 4-6 [Neotropical Ichthyology v. 4 (no. 3); ref. [28812](#)] Rio Doze de Outubro on road BR 364 between Comorodo and Vilhena, 12°58'39"S, 60°00'30"W, Comodoro, Mato Grosso, Brazil. Holotype: MCP 39511. Paratypes: MCP 38676 (70), MZUSP 89645 (15). •Valid as *Hyphessobrycon notidanos* Carvalho & Bertaco 2006 -- (García-Alzate et al. 2008:49 [ref. [29671](#)], García- **Alzati** et al. 2013:862 [ref. [32692](#)], Carvalho & Langeani 2013:526 [ref. [32913](#)]). **Current status:** Valid as *Hyphessobrycon notidanos* Carvalho & Bertaco 2006. Characidae: Pristellinae. Distribution: Doze de Outubro River, headwaters of Tapajós River basin, Brazil. Habitat: freshwater.

Alzate

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oritoensis, *Hyphessobrycon* García-Alzate [C. A.], Román-Valencia [C.] & Taphorn [D. C.] 2008:43, Figs. 1-2 [Zootaxa No. 1813; ref. [29671](#)] Río Putumayo, Orito, Quebrada La Palma, finca La Palma, Vereda Calimonte, ca. 0°41'N, 75°52'W. Holotype: IUQ 1574. Paratypes: IUQ 129 (6), 1575 (2, c&s); MBUCV-V 33737 (2); MCGN 55844 (2) •Valid as *Hyphessobrycon oritoensis* García-Alzate, Román-Valencia & Taphorn 2008 -- (García-Alzate et al. 2010:39 [ref. [30724](#)], García-Alzate et al. 2010:55 [ref. [30716](#)], García-Alzate et al. 2011:709 [ref. [31266](#)], García- **Alzati** et al. 2013:862 [ref. [32692](#)], García-Alzate et al. 2015:223 [ref. [33855](#)]). **Current status:** Valid as *Hyphessobrycon oritoensis* García-Alzate, Román-Valencia & Taphorn 2008. Characidae: Pristellinae. Distribution: Putumayo River drainage, Colombia. Habitat: freshwater.

Alzate

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paucilepis, *Hyphessobrycon* García-Alzate [C. A.], Román-Valencia [C.] & Taphorn [D. C.] 2008:149, Figs. 7, 10A, 11A [Vertebrate Zoology v. 58 (no. 2); ref. [29919](#)] Los Quediches Reservoir, overflow channel, Lara state, Venezuela. Holotype: IUQ 1897. Paratypes: CPUCLA A 532 (5); IUQ 1898 (1, c&s); MBUCV-V 903 (4, c&s), V-6933 (6), V-23706 (42), V-23710 (3). •Valid as *Hyphessobrycon paucilepis* García-Alzate, Román-Valencia & Taphorn 2008 -- (García-Alzate et al. 2010:801 [ref. [30824](#)], García-Alzate et al. 2010:456 [ref. [31066](#)], García- **Alzati** et al. 2013:862 [ref. [32692](#)]). **Current status:** Valid as *Hyphessobrycon paucilepis* García-Alzate, Román-Valencia & Taphorn 2008. Characidae: Pristellinae. Distribution: Lara state, northern Venezuela. Habitat: freshwater.

Alzate

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taguae, *Hyphessobrycon* García-Alzate [C. A.], Román-Valencia [C.] & Taphorn [D. C.] 2010:37, Figs. 4-5 [Brenesia No. 70; ref. [30724](#)] Creek about two kilometers from Puerto Luguizamo on road to La Tagua, Puerto Leguizamo, Putumayo, 0°10'15"S, 74°46'23"W, tributary of river Irinda, upper Amazon basin, Colombia, elevation 189 meters. Holotype: IUQ 2288. Paratypes: many at AUM, IAvHP, IUQ and MPUJ. Plus non-type specimens. •Valid as *Hyphessobrycon taguae* García-Alzate, Román-Valencia & Taphorn 2010 -- (García-Alzate et al. 2010:456 [ref. [31066](#)], García-Alzate et al.

2011:709 [ref. [31266](#)], García- **Alzati** et al. 2013:862 [ref. [32692](#)], García-Alzate et al. 2015:223 [ref. [33855](#)]). **Current status:** Valid as *Hyphessobrycon taguae* García-Alzate, Román-Valencia & Taphorn 2010. Characidae: Pristellinae. Distribution: Tributaries of Río Putumayo, tributary of river Irinda, upper Amazon basin, Colombia. Habitat: freshwater.

Alzate

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tortuguerae, *Hyphessobrycon* Böhlke [J. E.] 1958:173, Fig. 1 [Bulletin of the Florida State Museum, Biological Sciences v. 3 (no. 4); ref. [12051](#)] Río Tortugero (Lagoon), 2 miles from ocean inlet, Costa Rica. Holotype: UF 5741. Paratypes: ANSP 80986 (2), 80987 (1, stained); UF 5836 (3). Type catalog: Gilbert 1974:114 [ref. [21035](#)], Böhlke 1984:55 [ref. [13621](#)]. •Valid as *Hyphessobrycon tortuguerae* Böhlke 1958 -- (Bussing 1987:88 [ref. [22927](#)], Zarske & Géry 1997:310 [ref. [23715](#)], Bussing 1998:110 [ref. [24179](#)], Lima & Malabarba in Reis et al. 2003:141 [ref. [27061](#)], Matamoros et al. 2009:9 [ref. [31241](#)], García-Alzate et al. 2013:184 [ref. [32440](#)], García- **Alzati** et al. 2013:862 [ref. [32692](#)], Angulo et al. 2013:992 [ref. [33194](#)], Carvalho et al. 2014:248 [ref. [33371](#)]). **Current status:** Valid as *Hyphessobrycon tortuguerae* Böhlke 1958. Characidae: Pristellinae. Distribution: Atlantic versant between the Patuca River in Honduras and rivers San Juan and Tortugero in northern Costa Rica: Costa Rica and Honduras. Habitat: freshwater.

Alzate

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tuyensis, *Hyphessobrycon* García-Alzate [C. A.], Román-Valencia [C.] & Taphorn [D. C.] 2008:151, Figs. 9, 10B, 11B, 12 [Vertebrate Zoology v. 58 (no. 2); ref. [29919](#)] Miranda, 10°19'20"N, 66°15'12"W, río Tuy drainage, río Capaya, Venezuela. Holotype: IUQ 1914. Paratypes: MBUCV-V 901 (2), V 908 (2 c&s), V 3661 (6), V 3665 (3), V 27964 (5); MHNLS 9207 (17) •Valid as *Hyphessobrycon tuyensis* García-Alzate, Román-Valencia & Taphorn 2008 -- (García-Alzate et al. 2010:801 [ref. [30824](#)], García- **Alzati** et al. 2013:862 [ref. [32692](#)]). **Current status:** Valid as *Hyphessobrycon tuyensis* García-Alzate, Román-Valencia & Taphorn 2008. Characidae: Pristellinae. Distribution: Tuy River drainage, northern Venezuela. Habitat: freshwater.

Alzate

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vilmae, *Hyphessobrycon* Géry [J.] 1966:64, Fig. 1 [Ichthyologica, the Aquarium Journal v. 37 (no. 2, Feb.); ref. [9630](#)] Upper Arinos-Juruena basin, Brazil. Holotype: MHNG 2229.04 [ex Géry coll. M.380.1]. Paratypes: (7) MNHN 1980-1440 (1), USNM 198137 (1), ZMA 113825 (1). Type catalog: Nijssen et al. 1982:21 [ref. [19236](#)], Vari & Howe 1991:28 [ref. [19022](#)], Weber 1998:8 [ref. [23532](#)]. •Valid as *Hyphessobrycon vilmae* Géry 1966 -- (Lima & Malabarba in Reis et al. 2003:141 [ref. [27061](#)], Lucena 2003:95 [ref. [27437](#)], Zarske & Géry 2004:36 [ref. [28039](#)], García-Alzate et al. 2008:48 [ref. [29671](#)], García- **Alzati** et al. 2013:862 [ref. [32692](#)], Marinho et al. 2014:263 [ref. [33372](#)], Lima et al. 2014:177 [ref. [33535](#)]). **Current status:** Valid

as *Hyphessobrycon vilmae* Géry 1966. Characidae: Pristellinae. Distribution: Upper Tapajós River basin, Brazil. Habitat: freshwater.

Alzate

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mibangi, *Glyptothorax* Darshan [A.], Dutta [R.], Kachari [A.], **Gogoi [M.]** & Das [D. N.] 2015:116, Fig. 1 [Zootaxa 3962 (no. 1); ref. [33810](#)] Arunachal Pradesh State, Tisa River near Longding, Brahmaputra River basin, India, 26°52'N, 95°21'E. Holotype: RGUMF 243. Paratypes: RGUMF 244-245 (2). •Valid as *Glyptothorax mibangi* Darshan, Dutta, Kachari, Gogoi & Das 2015. **Current status:** Valid as *Glyptothorax mibangi* Darshan, Dutta, Kachari, Gogoi & Das 2015. Sisoridae: Sisorinae. Distribution: Tisa River, India. Habitat: freshwater.

Gogoi [B.]

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clavatus, *Glyptothorax* **Remeshori [Y.]** & Vishwanath [W.] 2014:186, Figs. 1-3 [Ichthyological Exploration of Freshwaters v. 25 (no. 2); ref. [33511](#)] Headwaters of Barak River at Maram Khullen, 25°23'N, 94°04'E, Manipur, northeastern India, elevation 982 meters. Holotype. •Valid as *Glyptothorax clavatus* **Remeshori** & Vishwanath 2014 -- (Premananda et al. 2015:328 [ref. 33759]). **Current status:** Valid as *Glyptothorax clavatus* **Remeshori** & Vishwanath 2014. Sisoridae: Sisorinae. Distribution: Barak-Meghna-Surma River drainage, Manipur, India. Habitat: freshwater.

Yumnam [R.]

Yumnam

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monoculus, *Cychna* Agassiz [L.] in Spix & Agassiz 1831:100, Pl. 63 [Reise nach Griechenland und der Türkei; ref. [13](#)] Brazilian seas. Syntypes or possible holotype: ?MHNN 2188 (1). Type catalog: Kottelat 1984:150 [ref. [21784](#)]. Type information: Kottelat 1988:84 [ref. [13380](#)]. As *Cichla monoculus* on plate. Type of status of MHNN doubtful -- see Kullander & Ferreira 2006:321, 324 [ref. [28883](#)]. •Valid as *Cichla monoculus* Agassiz 1831 -- (Kullander 1986:51 [ref. [12439](#)], Ortega & Vari 1986:20 [ref. [9708](#)], Kullander 1986:51 [ref. [12439](#)], Keith et al. 2000:162 [ref. [24547](#)], Lasso & Machado-Allison 2000:72 [ref. [27968](#)] with author as Spix, Lasso et al. 2001:101 [ref. [25928](#)], Kullander in Reis et al. 2003:620 [ref. [27061](#)], Staeck 2005:5 [ref. [28482](#)], Kullander & Ferreira 2006:319 [ref. [28883](#)], Reiss et al. 2012:61 [ref. [31910](#)]). **Current status:** Valid as *Cichla monoculus* **Spix & Agassiz** 1831. Cichlidae: Cichlinae. Distribution: Amazon River basin and Oyapock River basin: Brazil, Colombia, French Guiana, and Peru. Habitat: freshwater.

Agassiz

:

khawbungji, *Garra* Arunachalam [M.], **Nangagopal [S.]** & Mayden [R. L.] 2014:59, Figs. 3-4 [Species v. 10 (no. 24); ref. [33404](#)] Tuipui River, Khawbung Village, Champhai District, Mizoram, India, 22°38'14.8"N, 94°07'44.0"E. Holotype: ZSI/SRI F8625. Paratypes: MSUMNH 63 (4), CMA 21 (3). •Valid as *Garra khawbungji* Arunachalam, **Nangagopal** & Mayden 2014. **Current status:** Valid as *Garra khawbungji* Arunachalam, **Nangagopal** & Mayden 2014. Cyprinidae: Labeoninae. Distribution: Mizoram, India Habitat: freshwater.

Nandagopal

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fuscoruber, Gobiodon Herder [J.], Bogorodsky [S. V.] & Suzuki [T.] 2013:318, Figs. 7-8 [Zootaxa 3709 (no. 4); ref. [32889](#)] Gulf of Aqaba, Dahab, "Islands" (28°28'38.50"N, 34°30'47.10"E), Egypt, depth 15 meters. Holotype: NMW 95079. Paratypes: BMNH 1951.1.16.555 (1), 1951.1.16.556 (1); MNHN 2006-1700 (1); NMW 95080 (1); OMNH 39984 (1), 39986 (1), 39990 (1); Plus additional non-type specimens.

•Valid as *Gobiodon fuscoruber* **Herder**, Bogorodsky & Suzuki 2013. **Current**

status: Valid as *Gobiodon fuscoruber* **Herder**, Bogorodski & Suzuki 2013. Gobiidae: Gobiinae. Distribution: Red Sea, central Indian Ocean and western Pacific. Habitat: marine.

Herler

:

nethravathiensis, Garra Arunachalam [M.] & **Nangagopal** [S.] 2014:44, Figs. 1-2A [Species v. 10 (no. 24); ref. [33405](#)] Kannikaya Village, where two rivers (Addahole and Kuaradhara), tributaries to Nethravathi River basin, Karnataka, south India, 12°41'35.3"N, 75°38'21.1"E. Holotype: ZSI/SRS F7542. Paratypes: MSUMNH 65 (5),

CMA 23 (4). •Valid as *Garra nethravathiensis* Arunachalam & **Nangagopal**

2014. **Current status:** Valid as *Garra nethravathiensis* Arunachalam &

Nangagopal 2014. Cyprinidae: Labeoninae. Distribution: Karnataka, India.

Habitat: freshwater.

Nandagopal

:

tyao, Garra Arunachalam [M.], **Nangagopal** [S.] & Mayden [R. L.] 2014:60, Figs. 5-6 [Species v. 10 (no. 24); ref. [33404](#)] Tyao River, Tyao Village, Champhai District, Mizoram, India, 23°27'25.5"N, 93°04'35.6"N. Holotype: ZSI/SRS F8626. Paratypes:

MSUMNH 64 (8), CMA 22 (10). •Valid as *Garra tyao* Arunachalam, **Nangagopal** &

Mayden 2014. **Current status:** Valid as *Garra tyao* Arunachalam, **Nangagopal** &

Mayden 2014. Cyprinidae: Labeoninae. Distribution: Mizoram, India. Habitat: freshwater.

Nandagopal

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cephaloides, Leuciscus Battagil [F.] 1942:298, Fig. 8 [Revue de la Faculté des Sciences de l'Université d'Istanbul, Série B: Sciences Naturelles v. 7 (no. 4);

ref. [13190](#)] Armutlu, near Mudanya, northwestern Turkey. •Synonym of *Leuciscus*

cephalus (Linnaeus 1758) -- (Bogutskaya 1997:173 [ref. [23566](#)]). •Synonym of *Squalius*

cephalus (Linnaeus 1758). •Valid as *Squalius cephaloides* (**Battagil** 1942) -- (Özuluğ

& Freyhof 2011:127 [ref. [31360](#)], Turan et al. 2013:322 [ref. [32584](#)]). **Current**

status: Valid as *Squalius cephaloides* (**Battagil** 1942). Cyprinidae: Leuciscinae.

Distribution: Northwestern Turkey. Habitat: freshwater, brackish.

Battalgil

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oculatus, Bostrychoides Lacepède [B. G. E.] 1801:144, 145 [Histoire naturelle des poissons (Lacepède) v. 3; ref. [2710](#)] No locality stated [People's Republic of China: probably Canton/Guangzhou]. No types preserved. Based on a Chinese drawing received via The Netherlands. Figured on Pl. 14 (fig. 3) of Lacepède 1800 [ref. [2709](#)], but with vernacular name. Also appeared in Sonnini 1803:164, 165 (vol. 8) [ref. [30473](#)]. See Bauchot et al. 1991:52 [ref. [19958](#)] who suggest that *oculatus* is probably a senior synonym of a species of *Channa*. •Synonym of *Channa asiaticus* (Linnaeus 1758) -- (Kottelat 2013:459 [ref. [32989](#)] with question). **Current status:** Uncertain as *Channa asiaticus* (Linnaeus 1758). Channidae. Habitat: freshwater.

asiatica

:

sibiricus, Nemacheilus Gratzianov [V. I.] 1907:164, 168 [Trudy Otdela Ichtiologii Imperatorskago Russkago Obshchestva Akklimatizacii Zivotnych' i Rastanii. v. 4; ref. [1871](#)] Biya River near Biysk [Biysk], Altai, Russia. Syntypes: ZMMU P-2532 (3). Type catalog: Vasil'eva et al. 2001:25 [ref. [25714](#)]. •Synonym of *Nemacheilus barbatulus* (Linnaeus 1758) -- (Berg 1949:869 [ref. [20661](#)] as *Nemachilus*). •Synonym of *Nemacheilus toni* (Dybowski 1869) -- (Bogutskaya & Naseka 1996:47 [ref. [22798](#)]). •Synonym of *Barbatula toni* (Dybowski 1869) -- (Vasil'eva 1998:95 [ref. [23591](#)], Sideleva 2001:54 [ref. [26181](#)], Sideleva 2003:11 [ref. [27815](#)], Kottelat 2006:53 [ref. [28831](#)]). •Synonym of *Orthrias barbatulus* (Linnaeus 1758), subspecies *toni* (Dybowski 1869) -- (Prokofiev 2007:17 [ref. [30343](#)]). •Synonym of *Barbatula barbatula* (Linnaeus 1758) -- (based on status of *Barbatula*). •Questionably the same as *Nemacheilus tominus* Ruzssky 1920 -- (Kottelat 2012:80 [ref. [32367](#)]). **Current status:** Uncertain as *Barbatula tomiana* (Ruzsky 1920). Nemacheilidae. Habitat: freshwater, brackish.

tomianus

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robustus, Mugil Günther [A.] 1861:432 [Catalogue of the fishes in the British Museum v. 3; ref. [1964](#)] Coast of Madagascar. Holotype (unique): BMNH 1972.11.27.2. •Valid as *Valamugil robustus* (Günther 1861) -- (Smith & Smith 1986:719 [ref. [5717](#)], Reinthal & Stiassny 1997:354 [ref. [22780](#)], Thomson 1997:504 [ref. [23428](#)], Fricke 1999:362 [ref. [24106](#)], Keith et al. 1999:88 [ref. [24548](#)], Heemstra et al. 2004:3327 [ref. [27945](#)], Heemstra & Heemstra 2004:368 [ref. [28072](#)]). •Valid as *Moolgarda robusta* (Günther 1861) -- (Fricke et al. 2009:30 [ref. [30213](#)]). **Current status:** Valid as *Osteomugil robustus* (Günther 1861). Mugilidae. Distribution: Western Indian Ocean: southeastern Africa, Madagascar, Mascarenes (Réunion, Mauritius, Rodrigues). Habitat: freshwater, brackish, marine.

Where does *Osteomugil robustus* (Günther 1861) suddenly come from – Is there a reference? - Maybe Durand et al. 2012:694 [ref. [32366](#)]?

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akame, Liza Tanaka [S.] 1916:395 [Dobutsugaku Zasshi = Zoological Magazine Tokyo v. 28; ref. [15080](#)] Urado, near Kochi City, Japan. Holotype (unique): ZUMT (lost).

•Synonym of *Liza macrolepis* (Smith 1846) -- (Thomson 1997:525 [ref. [23428](#)]).
•Synonym of *Chelon macrolepis* (Smith 1846). •Synonym of *Moolgarda perusii* (**Valenciennes** 1836) -- (Kottelat 2013:280 [ref. [32989](#)]). **Current status:** Synonym of *Osteomugil perusii* (Valenciennes 1836). Mugilidae. Habitat: freshwater, brackish, marine.

Valenciennes –

Synonym of *Osteomugil perusii* (Valenciennes 1836) without comment or reference:

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atherinoides, Mugil Duncker [G.] & Mohr [E.] 1926:133, Figs. 7-8 [Mitteilungen aus dem Zoologischen Staatsinstitut und Zoologischen Museum in Hamburg. v. 42; ref. [15585](#)] New Britain Island, Bismarck Archipelago. Lectotype: ZMH H163. Paralectotypes: ZMH H164 (16), H165 (120), H166 (8), H167 (2), H168 (2), H169 (27). Type catalog: Ladiges et al. 1958:162 [ref. [19181](#)], Wilkens & Dohse 1993:405 [ref. [21161](#)] as syntypes. Lectotype designated by Ladiges et al. 1958:162 [ref. [19181](#)]. •Synonym of *Valamugil cunnesius* (Valenciennes 1836) -- (Thomson 1997:502 [ref. [23428](#)]). •Synonym of *Moolgarda cunnesius* (Valenciennes 1836) -- (Kottelat 2013:279 [ref. [32989](#)]). **Current status:** Synonym of *Osteomugil cunnesius* (Valenciennes 1836). Mugilidae. Habitat: freshwater, brackish, marine.

Synonym of *Osteomugil cunnesius* (Valenciennes 1836) without comment or reference:

:

birarae, Agonostoma Duncker [G.] & Mohr [E.] 1926:134, Fig. 9 [Mitteilungen aus dem Zoologischen Staatsinstitut und Zoologischen Museum in Hamburg. v. 42; ref. [15585](#)] Liebliche Islands [Bismarck Archipelago], Mowe Harbor, Vangoi, New Pommerania, South Seas. Lectotype: ZMH H155. Paralectotypes: ZMH H154 (1), H156 (1), H157 (2). Type catalog: Ladiges et al. 1958:162 [ref. [19181](#)], Wilkens & Dohse 1993:405 [ref. [21161](#)] as syntypes, Lectotype designated by Ladiges et al. 1958:162 [ref. [19181](#)]. •Synonym of *Valamugil engeli* (Bleeker 1858) -- (Thomson 1997:503 [ref. [23428](#)]). •Synonym of *Moolgarda engeli* (Bleeker 1858) -- (Kottelat 2013:279 [ref. [32989](#)]). **Current status:** Synonym of *Osteomugil engeli* (Bleeker 1858). Mugilidae. Habitat: freshwater, brackish, marine.

Synonym of *Osteomugil engeli* (Bleeker 1858) without comment or reference:

There are many others that have been moved to *Osteomugil* without any history, comment or reference

:

malabaricus, Mullus Shaw [G.] 1804:137 [General zoology or systematic natural history; ref. [4015](#)] Indian Seas. No types known. Based on literature sources (e.g., Russell, Pl. 182). The name *malabarica* has not been used as a valid name since the early 1800's (R. Fricke 2014). •Questionably a synonym of *Valamugil seheli* (Forsskål 1775) -- (Thomson 1997:505 [ref. [23428](#)]). •Synonym of *Moolgarda malabarica* (Shaw 1804) -- (Kottelat 2013:279 [ref. [32989](#)]). **Current status:** Synonym of *Crenimugil buchanani* (Bleeker 1853). Mugilidae. Habitat: brackish, marine.

Where does *Crenimugil buchanani* suddenly come from. No History, no Comment and no Reference !!!!

ophuysenii*, *Mugil Bleeker [P.] 1858:279 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 16; ref. [13993](#)] Sumatra, Indonesia. Syntypes: RMNH 6394 (2). •Valid as *Valamugil ophuysenii* (Bleeker 1858) -- (Kottelat et al. 1993:126 [ref. [23448](#)]). •Synonym of *Valamugil cunnesius* (Valenciennes 1836) -- (Thomson 1997:501 [ref. [23428](#)], Harrison & Senou 1999:2103 [ref. [24780](#)]). •Valid as *Mugil ophuysenii* Bleeker 1858 -- (Wu & Lu in Kuang et al. 1986:204 [ref. [26639](#)], Zhu 1995:166 [ref. [25213](#)]). •Valid as *Osteomugil ophuyseni* (Bleeker 1858) -- (Chen et al. 1997:37 [ref. [26476](#)]). •Synonym of *Moolgarda cunnensius* (Valenciennes 1836) -- (Kottelat 2013:278 [ref. [32989](#)]). **Current status: Synonym of *Osteomugil cunnesius* (Valenciennes 1836)**. Mugilidae. Habitat: freshwater, brackish, marine.

Where does this statement come from? No History, no Comment, no Reference.

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parva*, *Liza Oshima [M.] 1922:253, Pl. 11 (fig. 2) [Annals of the Carnegie Museum v. 13 (nos 3-4); ref. [15322](#)] Anpin near Tainan, Taiwan. Holotype: FMNH 59146 [ex CM 8284]. Paratypes: (5 + many). Type catalog: Henn 1928:89 [ref. [12305](#)], Ibarra & Stewart 1987:53 [ref. [12367](#)], Ho & Shao 2011:38 [ref. [31432](#)]. •Synonym of *Chelon macrolepis* (Smith 1846) -- (Liu & Shen 1991:273 [ref. [19215](#)], Ho & Shao 2011:38 [ref. [31432](#)]). •Status uncertain -- (Thomson 1997:545 [ref. [23428](#)] but types not examined). •Synonym of *Moolgarda perusii* (**V valenciennes** 1836) -- (Kottelat 2013:280 [ref. [32989](#)]). **Current status: Synonym of *Osteomugil perusii* (Valenciennes 1836)**. Mugilidae. Habitat: freshwater, brackish, marine.

Valenciennes

Where does this statement come from? No History, no Comment, no Reference.

:

pedaraki*, *Mugil Valenciennes [A.] in Cuvier & Valenciennes 1836:137 [Histoire naturelle des poissons v. 11; ref. [1005](#)] Visakhapatnam, India. No types known. Type catalog: Blanc & Hureau 1972:721 [ref. [21541](#)]. Based on Russell 1802:66, Pl. 182. See *Mugil peradak* Cuvier 1829. The name *malabarica* has not been used as a valid name since the early 1800's (R. Fricke 2014). •Valid as *Moolgarda pedaraki* (Valenciennes 1836) -- (Randall 1995:236 [ref. [22896](#)], Nakabo 2000:541 [ref. [25086](#)], Senou in Randall & Lim 2000:625 [ref. [25122](#)], Sakai et al. 2001:104 [ref. [25693](#)], Nakabo 2002:541 [ref. [26001](#)], Allen & Adrim 2003:44 [ref. [26830](#)] with genus as *Moolgardia*, Manilo & Bogorodsky 2003:S113 [ref. [27377](#)], Kimura et al. in Kimura & Matsuura 2003:23 [ref. [27510](#)], Shibukawa 2009:44 [ref. [30449](#)]). •Questionably a synonym of *Valamugil seheli* (Forsskål 1775) -- (Thomson 1997:505 [ref. [23428](#)] as *pederaki*). •Valid as *Valamugil pedaraki* (Valenciennes 1836) -- (Carpenter et al. 1997:205 [ref. [23922](#)]). •Synonym of *Moolgarda malabarica* (Shaw 1894) -- (Kottelat 2013:279 [ref. [32989](#)]). **Current status: Valid as *Osteomugil pedaraki* (Valenciennes 1836)**. Mugilidae. Distribution: Indo-West Pacific. Habitat: marine.

Where does this statement come from? No History, no Comment, no Reference.

The names *Osteomugil perusii*, *Osteomugil robustus*, *Osteomugil cunnesius* and *Osteomugil engeli* were proposed by Durand et al. in 2012.

Where do *Osteomugil pedaraki* and *Osteomugil speigleri* come from?

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sordidus, Mugil Duncker [G.] & Mohr [E.] 1926:132, Fig. 6 [Mitteilungen aus dem Zoologischen Staatsinstitut und Zoologischen Museum in Hamburg. v. 42; ref. [15585](#)] New Britain Island, Bismarck Archipelago. Lectotype: ZMH H158. Paralectotypes: ZMH H159 (1) H160 (1), H161 (3), H162 (2). Type catalog: Ladiges et al. 1958:162 [ref. [19181](#)], Wilkens & Dohse 1993:405 [ref. [21161](#)] as syntypes. Lectotype designated by Ladiges et al. 1958:162 [ref. [19181](#)]. •Questionably a synonym of *Valamugil speigleri* (Bleeker 1858) -- (Thomson 1997:507 [ref. [23428](#)]). • Questionably a synonym of *Moolgarda speigleri* (Bleeker 1858) -- (Kottelat 2013:280 [ref. [32989](#)]). **Current status:** Uncertain as *Osteomugil speigleri* (Bleeker 1858). Mugilidae. Habitat: brackish, marine.

Where does this statement come from? No History, no Comment, no Reference.

:

strongylocephalus, Mugil Richardson [J.] 1846:249 [Report of the British Association for the Advancement of Science 15th meeting [1845]; ref. [3742](#)] Hong Kong. Holotype (unique): BMNH 1972.11.27.1. •Valid as *Mugil strongylocephalus* Richardson 1846 -- (Liang in Pan et al. 1991:347 [ref. [23876](#)], Zhu 1995:166 [ref. [25213](#)]). •Synonym of *Valamugil cunnesius* (Valenciennes 1836) -- (Thomson 1997:501 [ref. [23428](#)]). •Synonym of *Valamugil perusii* (Valenciennes 1836) -- (Harrison & Senou 1999:2106 [ref. [24780](#)]). •Synonym of *Moolgarda perusii* (Valenciennes 1836) -- (Kottelat 2013:280 [ref. [32989](#)]). **Current status:** Synonym of *Osteomugil perusii* (Valenciennes 1836). Mugilidae. Habitat: marine.

Where does this statement come from? No History, no Comment, no Reference.

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tehu, Mugil Curtiss [A.] 1938:46 [A short zoology of Tahiti in the Society islands; ref. [18057](#)] Lagoon near Tautira, Tahiti, Society Islands. No types known. Also appeared in Curtiss 1944:4 [ref. [12574](#)]. •Synonym but status uncertain -- (Thomson 1997:545 [ref. [23428](#)]). •Questionably a synonym of *Moolgarda cunnesius* (Valenciennes 1836) -- (Kottelat 2013:279 [ref. [32989](#)]). **Current status:** Synonym of *Osteomugil cunnesius* (Valenciennes 1836). Mugilidae.

Where does this statement come from? No History, no Comment, no Reference.

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fukuii, Apogon Hayashi [M.] 1990:8, Figs. 1, 2a, 4a [Science Report of the Yokosuka City Museum No. 38; ref. [20040](#)] Coastal water off Ukui, Nachikatsuura Town, Mugi County, Wakayama Prefecture, Japan, depth 40 meters. Holotype: YCM P9539. Paratypes: NSMT-P 34103 (1); ROM 60703 (1); IORD 83-446 (1); YCM P6504 (1), P25102-03 (1, 1). Type catalog: Shibata et al. 2011:14 [ref. [31469](#)]. •Valid as *Apogon fukuii* Hayashi 1990 -- (Hayashi et al. 1997:57 [ref. [24613](#)], Nakabo 2000:769 [ref. [25086](#)], Randall et al. 2002:157 [ref. [26192](#)], Nakabo 2002:769 [ref. [26001](#)], Shibata et al. 2011:14 [ref. [31469](#)]). •Valid as *Ostorhinchus tukuii* (Hayashi 1990) -- (Mabuchi et al. 2014:200 [ref. [33426](#)]). **Current status:** Valid as *Ostorhinchus fukuii* (Hayashi 1990). Apogonidae: Apogoninae. Distribution: Indo-West Pacific. Habitat: marine.

fukuii

:

affinis, Mugil Günther [A.] 1861:433, Fig. [Catalogue of the fishes in the British Museum v. 3; ref. [1964](#)] Amoy, China. Holotype (unique): BMNH 1860.7.20.11. •Valid as *Chelon affinis* (Günther 1861) -- (Randall 1995:235 [ref. [22896](#)], Takahashi et al. 1997:46 [ref. [24971](#)], Sato et al. 1998:40 [ref. [24972](#)], Kim & Kim 1998:251 [ref. [25740](#)], Chang et al. 1999:39 [ref. [24091](#)], Mizuno et al. 1999:10 [ref. [25311](#)], Nakabo 2000:538 [ref. [25086](#)], Senou in Randall & Lim 2000:625 [ref. [25122](#)], Sakai et al. 2001:103 [ref. [25693](#)], Shimizu 2001:34 [ref. [25799](#)], Kim & Park 2002:296 [ref. [25913](#)], Nakabo 2002:538 [ref. [26001](#)], Youn 2002:362, 630 [ref. [26218](#)]). •Valid as *Liza affinis*(Günther 1861) -- (Senou et al. 1987:312 [ref. [24301](#)], Kawanabe & Mizuno 1989:461 [ref. [25598](#)], Liu & Shen 1991:275 [ref. [19215](#)], Thomson 1997:514 [ref. [23428](#)], Harrison & Senou 1999:2085 [ref. [24780](#)], Ho & Shao 2011:39 [ref. [31432](#)]). •Synonym of *Liza lauvergii* (Eydoux & Souleyet 1850) -- (Kottelat 2013:276 [ref. [32989](#)]). **Current status:** **Synonym of *Planiliza lauvernii* (Eydoux & Souleyet 1850).** Mugilidae. Distribution: Western North Pacific (if valid). Habitat: brackish, marine.

Where does this statement come from? No History, no Comment, no Reference.

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carinatus, Mugil Valenciennes [A.] (ex Ehrenberg) in Cuvier & Valenciennes 1836:148 [Histoire naturelle des poissons v. 11; ref. [1005](#)] Red Sea. Lectotype: MNHN A-3643. Paralectotypes: MNHN A-3619 (1) Mumbai, A-03629 (1) Guam, A-3631 (2) Puducherry, A-3820 (4) Seychelles, 1987-1322 [ex MNHN A-3643] (1); ZMB 1842 (4). Type catalog: Blanc & Hureau 1972:684-685 [ref. [21541](#)]. Lectotype designated by Thomson 1997:518 [ref. [23428](#)]. Original description also from 'Séchelles' (Seychelles, Western Indian Ocean), 'Côte malabare' (Malabar coast, India), 'île Guam' (Guam, Western Pacific Ocean) and 'Pondichéry' (Pondicherry/Puducherry, India). •Valid as *Chelon carinata*(Valenciennes 1836) -- (Randall 1995:235 [ref. [22896](#)], Manilo & Bogorodsky 2003:S112 [ref. [27377](#)]). •Valid as *Liza carinata* (Valenciennes 1836) -- (Trewavas 1973:572 [ref. [7201](#)], Dor 1984:191 [ref. [29757](#)], Yoshino & Senou in Masuda et al. 1984:119 [ref. [6441](#)], Ben-Tuvia in Whitehead et al. 1986:1200 [ref. [13677](#)], Wu & Lu in Kuang et al. 1986:206 [ref. [26639](#)] as *carinatus*, with authors as Cuvier & Valenciennes, Senou et al. 1987:306 [ref. [24301](#)], Zheng 1989:299 [ref. [21202](#)], Liang in Pan et al. 1991:349 [ref. [23876](#)] as *carinatus*, Goren & Dor 1994:51 [ref. [25356](#)], Zhu 1995:166 [ref. [25213](#)], Coad 1996:86 [ref. [25304](#)], Thomson 1997:518 [ref. [23428](#)], Kim 1997:374 [ref. [24032](#)], Golani 1998:97 [ref. [27567](#)], Koutrakis & Economidis 2000:299 [ref. [25056](#)], Bilecenoglu et al. 2002:105 [ref. [26753](#)], Fricke et al. 2007:67 [ref. [29533](#)]). •Synonym of *Chelon affinis* (Günther 1861) -- (Youn 2002:630 [ref. [26218](#)]). **Current status:** **Valid as *Planiliza carinata* (Valenciennes 1836).** Mugilidae. Distribution: Red Sea, Indo-West Pacific; Mediterranean Sea (Red Sea immigrant). Habitat: brackish, marine.

Where does this statement come from? No History, no Comment, no Reference.

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productus, Mugil Fischer [J. G.] 1885:69 [Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten v. 2; ref. [18083](#)] Eloby, West Africa. Holotype (unique): ZMH 3874. •Synonym of *Chelon affinis* (Günther 1861) -- (Kim & Kim 1998:251 [ref. [25740](#)]). •Synonym of *Liza grandisquamis* (Valenciennes 1836) -- (Thomson 1990:857 [ref. [19180](#)], Thomson 1997:521 [ref. [23428](#)]). **Current status:** **Synonym of *Parachelon grandisquamis* (Valenciennes 1836).** Mugilidae. Habitat: freshwater, brackish, marine.

Where does this statement come from? No History, no Comment, no Reference.

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profugus, Myxus Mohr [E.] 1927:184, Fig. 6 [Zoologische Jahrbücher, Abteilung für Systematik, Geographie und Biologie der Tiere (Jena) v. 54; ref. [15800](#)] Japan and Taiwan. Syntypes: ?ZMB 20287 (2). Type catalog: Ho & Shao 2011:39 [ref. [31432](#)].

•Synonym of *Chelon affinis* Günther 1861 -- (Kottelat 2013:276 [ref. [32989](#)]).
•Synonym of *Liza affinis* (Günther 1861) -- (Liu & Shen 1991:275 [ref. [19215](#)], Thomson 1997:514 [ref. [23428](#)], Senou et al. 1987:312 [ref. [24301](#)], Ho & Shao 2011:39 [ref. [31432](#)]). •Synonym of *Liza lauvergnii* Mohr 1927 -- (Kottelat 2013:276 [ref. [32989](#)]). **Current status:** Synonym of *Planiliza lauvergnii* (Eydoux & Souleyet 1850). Mugilidae. Habitat: brackish, marine.

Where does this statement come from? No History, no Comment, no Reference.

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thyrsoides, Muraena Richardson [J.] 1845:111 [Ichthyology.--Part 3. The zoology of the voyage of H. M. S. Sulphur.; ref. [20575](#)] [Canton] Guangdong Province, China, South China Sea, western Pacific. Lectotype: BMNH 2008.4.21.1. Paralectotypes: AMS I.100 (1), BMNH (1, lost or now AMS I.100). Type catalog: Böhlke & Smith 2002:150-151 [ref. [26380](#)]. Not the same as *Mureana thyrsoides* Richardson 1843, Pl. 49 (fig. 1) which was published first but not treated as valid; see Böhlke 1995:463 [ref. [21738](#)]. Lectotype designated by Böhlke 1995:463 [ref. [21738](#)]. •Valid as *Siderea thyrsoides* (Richardson 1845) -- (Paxton et al. 1989:133 [ref. [12442](#)]). •Valid as *Siderea thyrsoides* (Richardson 1845) -- (Allen & Swainston 1988:32 [ref. [25477](#)], Kuitert 1993:33 [ref. [23929](#)], Chen et al. 1994:54 [ref. [22258](#)], Böhlke 1995:463 [ref. [21738](#)], Allen 1997:52 [ref. [23977](#)], Kuitert 1997:30 [ref. [25488](#)], Randall et al. 1997:42 [ref. [25919](#)], Myers 1999:51 [ref. [23965](#)], Laboute & Grandperrin 2000:115 [ref. [25191](#)], Sadovy & Cornish 2000:35 [ref. [25480](#)], Hutchins 2001:17 [ref. [25847](#)], Zhang et al. 2010:249 [ref. [31511](#)]). •Valid as *Gymnothorax thyrsoides* (Richardson 1845) -- (Hatooka in Masuda et al. 1984:25 [ref. [6441](#)], Chen et al. 1997:22 [ref. [26476](#)], Böhlke & Randall 1999:553 [ref. [24552](#)], Böhlke et al. 1999:1657 [ref. [24692](#)], Compagno in Randall & Lim 2000:585 [ref. [25122](#)], Shinohara et al. 2000:176 [ref. [25987](#)], Randall & Earle 2000:7 [ref. [25806](#)], Nakabo 2000:202 [ref. [25086](#)], Böhlke & McCosker 2001:73 [ref. [25226](#)], Nakabo 2002:202 [ref. [26001](#)], Böhlke & Smith 2002:151 [ref. [26380](#)], Allen & Adrim 2003:23 [ref. [26830](#)], Myers & Donaldson 2003:611 [ref. [27495](#)] as *thyrsoides*, Randall et al. 2004:7 [ref. [27624](#)], Randall 2005:48 [ref. [28239](#)], Allen et al. 2006:256 [ref. [29005](#)], Imamura 2009:20 [ref. [30434](#)], Motomura et al. 2010:73 [ref. [31256](#)], Fricke et al. 2011:351 [ref. [31242](#)], Allen & Erdmann 2012:94 [ref. [31980](#)], Smith 2012:28 [ref. [32155](#)], Larson et al. 2013:26 [ref. [32988](#)], Delrieu-Trottin et al. 2015:4 [ref. [33988](#)]). **Current status:** Valid as *Gymnothorax thyrsoides* (Richardson 1845). Muraenidae: Muraeninae. Distribution: Indo-West Pacific: western Indian Ocean (Maldives) east to the Line Islands and Tuamotu Islands; Ryukyu and Ogasawara islands to northern Australia. Habitat: marine.

Gymnothorax thyrsoides

:

trewavasai, Garra Monod [T.] 1950:979, Figs. 1, 4, 8 [Bulletin de l'Institut Français d'Afrique Noire v. 12 (no. 4); ref. [12902](#)] Bargesh, Bautchi Plateau, Nigeria, elevation about 1200 meters. Holotype: MNHN 1950-0075. Paratypes: BMNH 1950.5.1.265 (1), IFAN (1). Type catalog: Blanc 1961:269 [ref. [20870](#)]. Apparently named for Ethelyn Trewavas in which case name would be *trewavasae*, but since no derivation was given the name does not need to be corrected. Correction a year later **by by** Monod (1951) indicates a lapsus, and *trewavasae* has been accepted. •Valid as *Garra trewavasai* Monod 1950 -- (as *trewavasae* Lévêque & Daget 1984:305 [ref. [6186](#)], Lévêque in Lévêque et al. 1990:285 [ref. [21589](#)]). **Current status:** Valid as *Garra trewavasae* Monod 1950. Cyprinidae: Labeoninae. Distribution: West Africa. Habitat: freshwater.

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Cheloniger Plumier [C.] in Lacepède 1801:542 (footnote) [ref. [2710](#)]. Masc. Not available; **nonbinominal** name mentioned in passing under *Cheilodipterus chrysopterus*. See remarks under Opinion 89 in Appendix B in Eschmeyer et al. 1990 [ref. [26735](#)].
Haemulidae: Haemulinae.

What does nonbinominal name mean when referring to a genus name?

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aberrans, Hypoplectrus Poey [F.] 1868:291 [Repertorio Fisico-Natural de la Isla de Cuba v. 2; ref. [3505](#)] Havana, Cuba. Holotype (unique): whereabouts unknown. •See Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)]. •Valid as *Hypoplectrus aberrans* Poey 1868 -- (Cervigón 1992:435 [ref. [23827](#)], Domeier 1994:104 [ref. [21359](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1365 [ref. [27060](#)], Smith et al. 2003:22 [ref. [27621](#)], Nelson et al. 2004:128 [ref. [27807](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Victor 2012:15 [ref. [32153](#)], Page et al. 2013:132 [ref. [32708](#)], Smith-Vaniz & Jelks 2014:39 [ref. [33341](#)]). **Current status:** Valid as *Hypoplectrus aberrans* Poey 1868. Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

castroaguirrei, Hypoplectrus Del Moral Flores [L. F.], Tello-Musi [J. L.] & Martínez-Pérez [J. A.] 2012:2, Figs. 1-4 [Revista de Zoología, Universidad Nacional Autónoma de México v. 22 (for 2011); ref. [31860](#)] Arrecife de Isla Verde, 19°12'00.0"N, 96°04'04.4"W, Veracruz Reef System, Mexico, Gulf of Mexico, depth 3 meters. Holotype: CNIP-IBUNAM 16846. Paratypes: CNIP-IBUNAM 16847 (1). •Valid as *Hypoplectrus castroaguirrei* Del Moral-Flores, Tello-Musi & Martínez-Pérez 2012 -- (Tavera & Acero P. 2013:33 [ref. [32434](#)], Page et al. 2013:132 [ref. [32708](#)]). **Current status:** Valid as *Hypoplectrus castroaguirrei* Del Moral-Flores, Tello-Musi & Martínez-Pérez 2012. Serranidae: Serraninae. Distribution: Mexico, Gulf of Mexico. Habitat: marine.

Moral Flores

:

chlorurum, Plectropoma Cuvier [G.] in Cuvier & Valenciennes 1828:406 [Histoire naturelle des poissons v. 2; ref. [997](#)] Caribbean Sea. Syntypes: MNHN 0000-7785 (1) Martinique, 0000-7586 (1) Antilles, 0000-7787 (1) Martinique. •Valid as *Hypoplectrus chlorurus* (Cuvier 1828) -- (Cervigón 1992:435 [ref. [23827](#)], Domeier 1994:104 [ref. [21359](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1365 [ref. [27060](#)], Smith et al. 2003:22 [ref. [27621](#)], McEachran & Feckhelm 2005:157 [ref. [28815](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Tavera & Acero P. 2013:33 [ref. [32434](#)], Page et al. 2013:132 [ref. [32708](#)], Smith-Vaniz & Jelks 2014:40 [ref. [33341](#)]). **Current status:** Valid as *Hypoplectrus chlorurus* (Cuvier 1828). Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

maya, Hypoplectrus Lobel [P. S.] 2011:4, Figs. 1, 2, 4 [Zootaxa No. 3096; ref. [31606](#)] Tunicate Cove, Pelican Cays, 16°39.6'N, 88°11.1'W, depth 3 meters. Holotype: MCZ 169196. Paratypes: MCZ 166194 (1), 169195 (1), 169197 (1), 169198 (1), 169199 (1), 169200 (1), 169201 (1), 169202 (1). •Valid as *Hypoplectrus maya* Lobel 2011 -- (**Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Tavera & Acero P. 2013:37 [ref. [32434](#)]). **Current status:** Valid as *Hypoplectrus maya* Lobel 2011. Serranidae: Serraninae. Distribution: Western Caribbean Sea: Belize. Habitat: marine.

Moral Flores

:

gemma, Hypoplectrus Goode [G. B.] & Bean [T. H.] 1882:428 [Proceedings of the United States National Museum v. 5 (no. 297); ref. [1840](#)] Garden Key, Dry Tortugas, Florida, U.S.A. Holotype (unique): USNM 3422. •See Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)]. •Valid as *Hypoplectrus gemma* Goode & Bean 1882 -- (Cervigón 1992:435 [ref. [23827](#)], Domeier 1994:104 [ref. [21359](#)], Musick et al. 2000:16 [ref. [24959](#)], Claro et al. 2000:22 [ref. [26458](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1365 [ref. [27060](#)], Nelson et al. 2004:128 [ref. [27807](#)], McEachran & Fechhelm 2005:158 [ref. [28815](#)], Aguilar-Perera & Tuz-Sulub 2010:143 [ref. [31684](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Tavera & Acero P. 2013:33 [ref. [32434](#)], Page et al. 2013:132 [ref. [32708](#)]). **Current status:** Valid as *Hypoplectrus gemma* Goode & Bean 1882. Serranidae: Serraninae. Distribution: Western Atlantic: Florida and Bahamas, also Yucatan Peninsula, Mexico. Habitat: marine.

Moral Flores

:

gummigutta, Plectropoma Poey [F.] 1851:[70, 75], Pl. 3 (fig. 2) [Memorias sobre la historia natural de la Isla de Cuba v. 1; ref. [3497](#)] Havana, Cuba. Holotype (?): USNM 2667. Originally *gummi-gutta*. Name dates from plate: Nov. 1851; text published Apr. 1852. •Valid as *Hypoplectrus gummigutta* (Poey 1851) -- (Cervigón 1992:435 [ref. [23827](#)], Domeier 1994:104 [ref. [21359](#)], Acero P. & Garzón-Ferreira 1994:13 [ref. [22090](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1366 [ref. [27060](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)]). **Current status:** Valid as *Hypoplectrus gummigutta* (Poey 1851). Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

guttavarium, Plectropoma Poey [F.] 1852:70 [Memorias sobre la historia natural de la Isla de Cuba v. 1; ref. [3497](#)] Havana, Cuba. Syntypes: MCZ 9781 (2). Type catalog: Howell Rivero 1938:194 [ref. [22926](#)]. •Valid as *Hypoplectrus guttavarium* (Poey 1852) -- (Cervigón 1992:435 [ref. [23827](#)], Domeier 1994:104 [ref. [21359](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Collette et al. 2003:107 [ref. [26784](#)], Heemstra et al. 2003:1366 [ref. [27060](#)], Nelson et al. 2004:128 [ref. [27807](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Page et al. 2013:132 [ref. [32708](#)], Smith-Vaniz & Jelks 2014:40 [ref. [33341](#)]). **Current status:** Valid as *Hypoplectrus guttavarium* (Poey 1852). Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

indigo, Plectropoma Poey [F.] 1851:[69, 75], Pl. 3 (fig. 1) [Memorias sobre la historia natural de la Isla de Cuba v. 1; ref. [3497](#)] Havana, Cuba. Poey specimens: ZMB 5960 (1). Name dates from plate: Nov. 1851; text published Apr. 1852. •Valid as *Hypoplectrus indigo* (Poey 1851) -- (Cervigón 1992:435 [ref. [23827](#)], Domeier 1994:104 [ref. [21359](#)], Acero P. & Garzón-Ferreira 1994:13 [ref. [22090](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1366 [ref. [27060](#)], Smith et al. 2003:22 [ref. [27621](#)], Nelson et al. 2004:128 [ref. [27807](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Victor 2012:3 [ref. [32153](#)], Page et al. 2013:132 [ref. [32708](#)], Smith-Vaniz & Jelks 2014:40 [ref. [33341](#)]). **Current status:** Valid as *Hypoplectrus indigo* (Poey 1851). Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

maculiferus, Hypoplectrus Poey [F.] 1871:78, Pl. 1 (bottom) [Annals of the Lyceum of Natural History of New York v. 10 (no. 1-3) (3); ref. [3506](#)] Havana, Cuba. Holotype: MCZ 9783 or USNM 24783. Type catalog: Howell Rivero 1938:194 [ref. [22926](#)].

•Questionably a synonym of *Hypoplectrus aberrans* (Poey 1868) -- (Domeier 1994:105 [ref. [21359](#)]). •Valid as *Hypoplectrus maculiferus* Poey 1871 -- (Heemstra et al. 2003:1367 [ref. [27060](#)] as cf.*maculiferus*, Lobel 2011:11 [ref. [31606](#)], Del Moral Flores et al. 2012:4 [ref. [31860](#)]). **Current status:** Valid as *Hypoplectrus maculiferus* Poey 1871. Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

maya, Hypoplectrus Lobel [P. S.] 2011:4, Figs. 1, 2, 4 [Zootaxa No. 3096; ref. [31606](#)] Tunicate Cove, Pelican Cays, 16°39.6'N, 88°11.1'W, depth 3 meters. Holotype: MCZ 169196. Paratypes: MCZ 166194 (1), 169195 (1), 169197 (1), 169198 (1), 169199 (1), 169200 (1), 169201 (1), 169202 (1). •Valid as *Hypoplectrus maya* Lobel 2011 -- (**Del**

Moral Flores et al. 2012:4 [ref. [31860](#)], Tavera & Acero P. 2013:37 [ref. [32434](#)]). **Current status:** Valid as *Hypoplectrus maya* Lobel 2011. Serranidae: Serraninae. Distribution: Western Caribbean Sea: Belize. Habitat: marine.

Moral Flores

:

nigricans, Plectropoma Poey [F.] 1852:71, 75 [Memorias sobre la historia natural de la Isla de Cuba v. 1; ref. [3497](#)] Havana, Cuba. Holotype: MCZ 34036. Type catalog: Howell Rivero 1938:194-195 [ref. [22926](#)]. •Valid as *Hypoplectrus nigricans* (Poey 1852) -- (Cervigón 1992:435 [ref. [23827](#)], Domeier 1994:104 [ref. [21359](#)], Acero P. & Garzón-Ferreira 1994:11 [ref. [22090](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1367 [ref. [27060](#)], Smith et al. 2003:23 [ref. [27621](#)], Nelson et al. 2004:128 [ref. [27807](#)], McEachran & Fechhelm 2005:159 [ref. [28815](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Victor 2012:15 [ref. [32153](#)], Tavera & Acero P. 2013:33 [ref. [32434](#)], Page et al. 2013:132 [ref. [32708](#)], Smith-Vaniz & Jelks 2014:40 [ref. [33341](#)]), **Current status:** Valid as *Hypoplectrus nigricans* (Poey 1852). Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

providencianus, Hypoplectrus Acero P. [A.] & Garzón-Ferreira [J.] 1994:6, Figs. 1-2 [Anales del Instituto de Investigaciones Marinas de Punta de Betín No. 23; ref. [22090](#)] Near Lawrence Reef, Isla Providencia, Colombia, Caribbean Sea, depth 10 meters. Holotype: INVEMAR-P 0450. Paratypes: USNM (1). •Valid as *Hypoplectrus providencianus* Acero P. & Garzón-Ferreira 1994 -- (Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1367 [ref. [27060](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Page et al. 2013:132 [ref. [32708](#)]). **Current status:** Valid as *Hypoplectrus providencianus* Acero P. & Garzón-Ferreira 1994. Serranidae: Serraninae. Distribution: Caribbean Sea. Habitat: marine.

Moral Flores

:

randallorum, Hypoplectrus Lobel [P. S.] 2011:7, Figs. 5-7 [Zootaxa No. 3096; ref. [31606](#)] Carrie Bow Cay, ridge east of cay, 16°48.2'N, 88°04.5'W, Belize, depth 18 meters. Holotype: MCZ 169250. Paratypes: BPBM 35766 (1); MCZ 169203 (1), 169204 (1). •Valid as *Hypoplectrus randallorum* Lobel 2011 -- (**Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Page et al. 2013:132 [ref. [32708](#)]). **Current status:** Valid as *Hypoplectrus randallorum* Lobel 2011. Serranidae: Serraninae. Distribution: Southern Florida (U.S.A.) and Caribbean Sea. Habitat: marine.

Moral Flores

puella, *Plectropoma* Cuvier [G.] in Cuvier & Valenciennes 1828:405, Pl. 37 [Histoire naturelle des poissons v. 2; ref. [997](#)] Martinique Island, West Indies. Holotype: MNHN 0000-5404. Non-types or possible syntypes: ZMB 356 [ex MNHN] (1). Type catalog: Bauchot et al. 1984:21 [ref. [19232](#)]. •Valid as *Hypoplectrus puella* (Cuvier 1828) -- (Cervigón 1991:340 [ref. [24472](#)], Cervigón 1992:435 [ref. [23827](#)], Acero P. & Garzón-Ferreira 1994:12 [ref. [22090](#)], Domeier 1994:104 [ref. [21359](#)], Aguilera 1998:48 [ref. [24221](#)], Smith-Vaniz et al. 1999:212 [ref. [25013](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Collette et al. 2003:107 [ref. [26784](#)], Heemstra et al. 2003:1368 [ref. [27060](#)], Smith et al. 2003:23 [ref. [27621](#)], Nelson et al. 2004:128 [ref. [27807](#)], McEachran & Fechhelm 2005:160 [ref. [28815](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Victor 2012:3 [ref. [32153](#)], Tavera & Acero P. 2013:33 [ref. [32434](#)], Page et al. 2013:132 [ref. [32708](#)], Smith-Vaniz & Collette 2013:172 [ref. [32953](#)], Smith-Vaniz & Jelks 2014:40 [ref. [33341](#)]). **Current status:** Valid as *Hypoplectrus puella* (Cuvier 1828). Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

:

unicolor, *Perca* Walbaum [J. J.] 1792:352 [Petri Arredi sueci genera piscium Part 3; ref. [4572](#)] No locality stated. No types known. Spelled *unicolor* in main heading, as *unicolor* in description and in index; *unicolor* regarded as a misspelling. •Valid as *Hypoplectrus unicolor* (Walbaum 1792) -- (Robins & Ray 1986:141 [ref. [23100](#)], Cervigón 1991:339 [ref. [24472](#)], Cervigón 1992:435 [ref. [23827](#)], Acero P. & Garzón-Ferreira 1994:12 [ref. [22090](#)], Domeier 1994:104 [ref. [21359](#)], Schmitter-Soto et al. 2000:157 [ref. [27754](#)], Heemstra et al. 2003:1369 [ref. [27060](#)], Smith et al. 2003:23 [ref. [27621](#)], Nelson et al. 2004:128 [ref. [27807](#)], McEachran & Fechhelm 2005:162 [ref. [28815](#)], Aguilar-Perera & González-Salas 2010:377 [ref. [30878](#)], Lobel 2011:11 [ref. [31606](#)], **Del Moral Flores** et al. 2012:4 [ref. [31860](#)], Victor 2012:8 [ref. [32153](#)] as a possible hybrid, Page et al. 2013:132 [ref. [32708](#)], Smith-Vaniz & Jelks 2014:40 [ref. [33341](#)]). **Current status:** Valid as *Hypoplectrus unicolor* (Walbaum 1792). Serranidae: Serraninae. Distribution: Western Atlantic. Habitat: marine.

Moral Flores

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tentaculata, *Aetoplatea Valenciennes* [A.] in Muller & Henle 1841:175 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Red Sea? (probably erroneous). Lectotype: MNHN 0000-2330. Paralectotypes: (4) MNHN 0000-2329 (2). Type catalog: Bertin 1939:88 [ref. [20739](#)], Séret & McEachran 1986:23 [ref. [9312](#)]. Appeared as *Aëtoplatea tentaculata*. Lectotype established by Dor 1984:224 [ref. [29757](#)] if not designated earlier. Authorship changed to Valenciennes 1841 -- Jones et al. 2015:570 [ref. [34086](#)]. •Valid as *Aetoplatea tentaculata* Valenciennes 1841 -- (Vossoughi & Vosoughi 1999:305 [ref. [25467](#)], Compagno 1999:497 [ref. [25589](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)]). •Valid as *Gymnura tentaculata* (Valenciennes 1841) -- (Goren & Dor 1994:5 [ref. [25356](#)], Jacobsen & Bennett 2009:21 [ref. [30470](#)]). **Current status:** Valid as *Gymnura tentaculata* (Valenciennes 1841). Gymnuridae. Distribution: Western Pacific. **in M** Habitat: marine.

Valenciennes

:

cyanopareja, Cyrene Heckel [J. J.] 1843:1025 [35] [Ichthyologie [von Syrien].. In Russegger v. 1 (pt 2); ref. [2066](#)] Philippines (doubtful says Kottelat 2013). Holotype (unique): NMW 10814. On p. 35 of separate [ref. [2067](#)]. •Questionably a synonym of *Osteochilus vittatus* (**Valenciennes** 1842) -- (Kottelat 2013:136 [ref. [32989](#)]). **Current status:** Synonym of *Osteochilus vittatus* (Valenciennes 1842). Cyprinidae: Labeoninae. Habitat: freshwater.

Valenciennes

:

brevipinna, Carcharias (Aprion) Valenciennes [A.] in Müller & Henle 1839:31, [Pl. 9] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Java, Indonesia. Holotype (unique): RMNH D2525 (mounted skin). •Valid as *Carcharhinus brevipinna* (**Valenciennes** 1839) -- (Compagno 1973:23 [ref. [7163](#)], Garrick 1982:41 [ref. [5454](#)], Uyeno & Sasaki in Uyeno et al. 1983:54 [ref. [14275](#)], Branstetter in Whitehead et al. 1984:104 [ref. [13675](#)], Dor 1984:5 [ref. [29757](#)], Compagno 1984:466 [ref. [6846](#)], Nakaya in Masuda et al. 1984:6 [ref. [6441](#)], Bass et al. 1986:71 [ref. [5638](#)], Robins & Ray 1986:27 [ref. [23100](#)], Allen & Swainston 1988:22 [ref. [25477](#)], Paxton et al. 1989:76 [ref. [12442](#)], Springer 1990:103 [ref. [19320](#)], Randall et al. 1990:19 [ref. [15987](#)], Boschung 1992:20 [ref. [23239](#)], Cervigón 1992:170 [ref. [23827](#)], Last & Stevens 1994:237 [ref. [23873](#)], Goren & Dor 1994:2 [ref. [25356](#)], Randall 1995:30 [ref. [22896](#)], Allen 1997:42 [ref. [23977](#)], Arruda 1997:17 [ref. [24952](#)], Randall et al. 1997:19 [ref. [25919](#)], Compagno & Niem 1998:1332 [ref. [23787](#)], McEachran & Fehhelm 1998:76 [ref. [23897](#)], Fricke 1999:19 [ref. [24106](#)], Morón et al. 1999:146 [ref. [24253](#)], Cervigón & Alcalá 1999:55 [ref. [24490](#)], Johnson 1999:719 [ref. [25471](#)], Compagno 1999:483 [ref. [25589](#)], Nakabo 2000:138 [ref. [25086](#)], Compagno in Randall & Lim 2000:579 [ref. [25122](#)], Grace 2001:23 [ref. [25694](#)], Hutchins 2001:14 [ref. [25847](#)], Soto 2001:64, 76 [ref. [26637](#)], Nakabo 2002:138 [ref. [26001](#)], Bilecenoglu et al. 2002:14 [ref. [26753](#)] dated 1841, Gadig & Gomes in Menezes et al. 2003:23 [ref. [27192](#)], Compagno 2003:478 [ref. [26984](#)], Manilo & Bogorodsky 2003:S92 [ref. [27377](#)], Espinosa Pérez et al. 2004:51 [ref. [27705](#)] dated to 1841, Bonfil & Abdallah 2004:28 [ref. [27735](#)], Nelson et al. 2004:53 [ref. [27807](#)], Heemstra & Heemstra 2004:58 [ref. [28072](#)], Compagno et al. 2005:36 [ref. [29145](#)], Hoese et al. 2006:99 [ref. [29001](#)], Fricke et al. 2007:14 [ref. [29533](#)], White 2008:67 [ref. [30617](#)], Fricke et al. 2009:9 [ref. [30213](#)], Fricke et al. 2011:345 [ref. [31242](#)], Voigt & Weber 2011:53 [ref. [31424](#)], Castro 2011:407 [ref. [31457](#)], Moore et al. 2012:8 [ref. [31771](#)], White 2012:3 [ref. [31843](#)], Page et al. 2013:51 [ref. [32708](#)], Wirtz et al. 2013:115 [ref. [32972](#)], Larson et al. 2013:8 [ref. [32988](#)], Ebert et al. 2013:330 [ref. [33045](#)], Psomadakis et al. 2015:80 [ref. [34104](#)]). **Current status:** Valid as *Carcharhinus brevipinna* (Valenciennes 1839). Carcharhinidae. Distribution: Circumglobal in tropical through warm temperate seas (including Mediterranean Sea, Red Sea), but not in the eastern Pacific. Habitat: marine.

Valenciennes

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hasseltii, Gobius Bleeker [P.] 1851:250 [Natuurkundig Tijdschrift voor Nederlandsch Indië v. 1; ref. [16890](#)] Tjisekat, Bantam Province [western Java Province], Java, Indonesia. Holotype (unique): whereabouts unknown. Type information: Roberts 1993:43 [ref. [21799](#)]. •In *Sicyopterus*, status uncertain -- (Roberts 1993:43 [ref. [21799](#)]). •Synonym of *Sicyopterus cynocephalus* (**Valenciennes** 1837) -- (Kottelat 2013:427 [ref. [32989](#)]). **Current status:** Synonym of *Sicyopterus cynocephalus* (Valenciennes 1837). Gobiidae: Sicydiinae. Distribution: Indo-West Pacific. Habitat: freshwater, brackish, marine.

Valenciennes

:

macrolepidotus, Brycinus Valenciennes [A.] in Cuvier & Valenciennes 1850:157, Pl. 639 [Histoire naturelle des poissons v. 22; ref. [1014](#)] Senegal. Holotype (unique): MNHN 0000-6335. Type catalog: Bertin 1948:11 [ref. [19577](#)]. •Valid as *Brycinus*

macrolepidotus Valenciennes 1850. **Current status:** Valid as *Brycinus macrolepidotus* Valenciennes 1850. Alestidae. Distribution: Africa. Habitat: freshwater.

Valenciennes

:

hemiodon, Carcharias (Hypoprion) Valenciennes [A.] in Müller & Henle 1839:35, [Pl. 19 (teeth)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Puducherry, India. Lectotype: MNHN 0000-1040. Paralectotypes: (3) MNHN 0000-1042 (1), A-7774 (1). Type catalog: Bertin 1939:70 [ref. [20739](#)] as holotype (MNHN 1040, measured and figured) and paratypes; MNHN 1040 designated lectotype by Eschmeyer 1998:718 [ref. [23416](#)]. Evidently Müller & Henle alone were responsible for the description, so authorship is regarded as Müller & Henle (ex Valenciennes). •Valid as *Carcharhinus hemiodon* (Valenciennes 1839) -- (Compagno 1984:475 [ref. [6846](#)], Garrick 1985:13 [ref. [5654](#)], Paxton et al. 1989:77 [ref. [12442](#)], Talwar & Jhingran 1991:15 [ref. [20764](#)], Randall 1995:31 [ref. [22896](#)], Compagno & Niem 1998:1338 [ref. [23787](#)], Morón et al. 1999:147 [ref. [24253](#)], Compagno 1999:483 [ref. [25589](#)], Compagno in Randall & Lim 2000:580 [ref. [25122](#)], Manilo & Bogorodsky 2003:S92 [ref. [27377](#)], Compagno et al. 2005:38 [ref. [29145](#)] with author as Valenciennes, Voigt & Weber 2011:66 [ref. [31424](#)] with author as Valenciennes, White 2012:3 [ref. [31843](#)], Kottelat 2013:21 [ref. [32989](#)], Psomadakis et al. 2015:81 [ref. [34104](#)]). **Current status:** Valid as *Carcharhinus hemiodon* (Müller & Henle 1839). Carcharhinidae. Distribution: Indo-West Pacific: southern Iran east to Papua New Guinea, north to South China Sea, south to northern Queensland (Australia). Habitat: marine.

Valenciennes

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menisorrah, Carcharias (Prionodon) Valenciennes [A.] in Müller & Henle 1839:46, [Pl. 17; Pl. 19 (teeth)] [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Red Sea. Lectotype: ZMB 4476. Paralectotypes: BMNH uncat. (1, whereabouts unknown), MNHN A-9662 (1), RMNH uncat. (2, mounted skins, whereabouts unknown), RNHG uncat. (1, whereabouts unknown), ZSL uncat. (1, embryo, whereabouts unknown), ZMB 4476 (mounted skin). Type catalog: Bertin 1939:72 [ref. [20739](#)], Paepke & Schmidt 1988:166 [ref. [21041](#)]. Evidently Müller & Henle alone were responsible for the description, so authorship is regarded as Müller & Henle (ex Valenciennes). Lectotype designated by Garrick 1982:160 [ref. [5454](#)]. •Valid as *Carcharhinus menisorrah* (Valenciennes 1839) -- (Dor 1984:6 [ref. [29757](#)], Paxton et al. 1989:77 [ref. [12442](#)], Goren & Dor 1994:3 [ref. [25356](#)], Cheng & Zhou 1997:32 [ref. [26385](#)] dated 1841, Wang et al. 2001: [ref. [26566](#)] dated 1841). •Synonym of *Carcharhinus falciformis* (Valenciennes 1839) [after lectotype designation] -- (Garrick 1982:159 [ref. [5454](#)], Compagno 1984:470 [ref. [6846](#)], Randall et al. 1990:18 [ref. [15987](#)], Randall 1995:31 [ref. [22896](#)], Randall 2005:11 [ref. [28239](#)], Hoese et al. 2006:100 [ref. [29001](#)], Castro 2011:413 [ref. [31457](#)]). •Listed in the synonymy of *Carcharhinus amblyrhynchos* (Bleeker 1856), *C. dussumieri* (Müller & Henle 1839), and *Carcharhinus sealei* (Pietschmann 1916) (Compagno & Niem 1998:1328, 1334, and 1346 [ref. [23787](#)], Bonfil & Abdallah 2004:26, 30, 31 [ref. [27735](#)], Voigt & Weber 2011:60 [ref. [31424](#)]). •Synonym of *Carcharhinus amblyrhynchos* (Bleeker 1856) -- (Bonfil & Abdallah 2004:26 [ref. [27735](#)]). **Current status:** Synonym of *Carcharhinus falciformis* (Müller & Henle 1839). Carcharhinidae. Habitat: marine.

Valenciennes

:

milvus*, *Myliobatis Valenciennse [A.] in Müller & Henle 1841:178 [Systematische Beschreibung der Plagiostomen; ref. [3069](#)] Red Sea; Indian Ocean. Syntypes: MNHN 0000-2338 to 2339 (1 dry, 2 dry), 0000-3480 (1 dry). Type catalog: Bertin 1939:90 [ref. [20739](#)], Séret & McEachran 1986:24 [ref. [9312](#)]. •Questionably valid as *Aetomylaeus milvus* (Valenciennes 1841) -- (Compagno 1999:497 [ref. [25589](#)]). •Valid as *Aetomylaeus milvus* (Valenciennes 1841) -- (Dor 1984:21 [ref. [29757](#)] as *Aetomylus*, Goren & Dor 1994:6 [ref. [25356](#)], Compagno & Last 1999:1517 [ref. [24637](#)], Compagno in Randall & Lim 2000:583 [ref. [25122](#)], Sujatha 2002:157 [ref. [26899](#)], Manilo & Bogorodsky 2003:S94 [ref. [27377](#)], Bonfil & Abdallah 2004:54 [ref. [27735](#)], Compagno et al. 2005:78 [ref. [29145](#)], Ebert et al. 2013:366 [ref. [33045](#)], White et al. 2015:[15] [ref. [33897](#)], Psomadakis et al. 2015:106 [ref. [34104](#)]). **Current status:** Valid as *Aetomylaeus milvus* (**Valenciennes** 1841). Myliobatidae: Myliobatinae. Distribution: Red Sea, Indo-West Pacific: Pakistan and India east to Philippines, north to Taiwan (probably confined to Western Indian Ocean on ref. 33045). Habitat: marine.

Valenciennes

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treurensis*, *Barbus Groenewald [A. A. von J.] 1958:322, Fig. 3 [Annals of the Transvaal Museum v. 23 (pt 3); ref. [12069](#)] Treur River, a tributary of the Blyde River, near Bourkes Luck mine, Transvaal [now Gauteng], South Africa. Holotype: SAIAB [formerly RUSI] 30026 [ex TMP 24869]. Paratypes: SAIAB [formerly RUSI] 30025 [ex TMP 24870-99] (30). •Valid as *Barbus treurensis* Groenewald 1958 -- (Lévêque & Daget 1984:292 [ref. [6186](#)], Skelton 1993:135 [ref. [24071](#)], Skelton 2001:135 [ref. [27406](#)]). •Valid as *Enteromius treurensis* (Groenewald 1958) -- (Yang et al. 2015:112 [ref. [33694](#)]). **Current status:** Valid as *Enteromius treurensis* (Groenewald 1958). Cyprinidae: Cyprininae. Distribution: Southern Africa. Habitat: freshwater.

Groenewald [A. A. v J.]

:

umbeluziensis*, *Barbus Groenewald [A. A. van J.] 1958:315, Fig. 2 [Annals of the Transvaal Museum v. 23 (pt 3); ref. [12069](#)] Mpamputo River, tributary of Black Umbeluzi River, Namaacha, Mozambique. Holotype: SAIAB [formerly RUSI] 30032 [ex TMP 24900]. Paratypes: SAIAB [formerly RUSI] 30033 [ex TMP 24901-08] (8). •Synonym of *Barbus toppini* Boulenger 1916 -- (Lévêque & Daget 1984:291 [ref. [6186](#)], P **xxx,xxx** H. Skelton, pers. comm. 4 Apr. 2011). •Synonym of *Enteromius toppini* (Boulenger 1916) based on placement of *toppini*. **Current status:** Synonym of *Enteromius toppini* (Boulenger 1916). Cyprinidae: Cyprininae. Habitat: freshwater.

P. H. Skelton

Groenewald [A. A. v J.]

