

Catalogue of Fishes – Discrepancies, Typos, Errors and Queries.

List Produced by Dennis Polack August 2015

Background:

From early 2001 I worked very closely with Bill Eschmeyer on his amazing fish database. He provided me with copies of his latest data in Access and I created procedures to find errors and discrepancies. In the more than 10 years that we worked together, I supplied him with lists and reports from which he then updated his live data. Over this period I pointed out many tens of thousands of discrepancies. Bill appointed me as his data analyser. In April 2012 Bill became extremely concerned about errors being introduced into his data and seemed to believe that even though I had never had access to his live data and had only sent lists to him, that I was introducing errors. He believed that he could prevent these errors by not sending me his Access Data anymore. He has subsequently informed me that very few errors are now being created and that the few that are introduced, are quickly found by either himself or a proof reader that works with him.

I no longer actively look for errors and discrepancies but continue to encounter some while working on my data base. (My data base is based entirely on Bill's work and because "Catalogue of Fishes" is such an outstanding piece of work, I use it as my prime source of information)

He has indicated that he no longer wants to know about these discrepancies and that he no longer needs my emails. It seems a pity that my input is no longer being used and that Bill is happy to believe that his data base is error free.

I decided to make my lists available so that hopefully one of his team or a successor can take advantage of the information and update the data in the Catalog of Fishes.

I am really hoping someone will get rid of the errors as it is distressing to encounter the same errors over and over.

There will be some duplicates as I may find them at different times under different circumstances. Duplicates will generally indicate that the error has been around for a period of time.

I have different lists of errors in Access, Excel and Word.

At this stage I will only provide the list of those created in Word. This list was started in August 2015.

To reduce the number of pages generated, I have set the width of the margins to the minimum. This reduces the number of pages by about 25%.

Key:

Bold red indicates an Error

Bold green indicates the correct data

Bold black indicates a comment

Other Bold colours indicate a query or a comment.

On Code recommendation 51D, the anonymous author is listed in square brackets. To avoid confusion Bill also decided to precede the Author with the word Anonymous. Eg.

Anonymous [Bennett].

abramioides, Cyprinus Sykes [W. H.] 1839:158 [Proceedings of the Zoological Society of London 1838 (pt 6); ref. [18720](#)] Deccan, India. No types known. Appeared first as above, then in Sykes 1839:55 [ref. [4306](#)]; more complete treatment in Sykes 1841:353, Pl. 61 (fig. 2) [ref. [18868](#)]. •Synonym of *Catla catla* (Hamilton 1822) -- (Menon 1999:119 [ref. [24904](#)], Bănărescu in **Bănărescu** & Paepke 2002:183 [ref. [25856](#)]). •Synonym of *Gibelion catla* (Hamilton 1822). **Current status:** Synonym of *Gibelion catla* (Hamilton 1822). Cyprinidae: Labeoninae. Habitat: freshwater, brackish.

Bănărescu

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albinna, Pogonophryne Eakin [R. R.] 1981:153, Figs. 4-5 [Antarctic Research Series, Washington DC. v. 31; ref. [8610](#)] Ross Sea, Antarctica, 71°16'S, 171°45'W to 71°16'S, 171°35'W, depth 1565-1674 meters. Holotype (unique): LACM 11353-1. •Valid as *Pogonophryne albinna* Eakin 1981 -- (Eakin 1988:437 [ref. [6573](#)], Eakin 1990:340 [ref. [21697](#)], Miller 1993:327 [ref. [21297](#)], Balushkin & Eakin 1998:602 [ref. [24165](#)], Eastman & Eakin 2000:16 [ref. [24631](#)], Balushkin 2000:S97 [ref. [29555](#)], **Eaken** et al. 2009:710 [ref. [30610](#)], Balushkin & Spodareva 2013:1 [ref. [32680](#)], Shandikov & Eakin 2013:73 [ref. [32695](#)], Balushkin 2013:123 [ref. [32909](#)]). **Current status:** Valid as *Pogonophryne albinna* Eakin 1981. Artedidraconidae. Distribution: Antarctica: Ross Sea. Habitat: marine.

Possibly could be Eakin needs checking

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immaculata, Pogonophryne Eakin [R. R.] 1981:158, Figs. 3-4 [Antarctic Research Series, Washington DC. v. 31 (no. 5); ref. [8609](#)] South Orkney Islands, 60°43.4'S, 48°16.1'W to 60°48.2'S, 48°13.5'W, depth 2473-2542 meters. Holotype (unique): USNM 218370. •Valid as *Pogonophryne immaculata* Eakin 1981 -- (Eakin 1988:437 [ref. [6573](#)], Eakin 1990:345 [ref. [21697](#)], Miller 1993:329 [ref. [21297](#)], Balushkin & Eakin 1998:602 [ref. [24165](#)], Eastman & Eakin 2000:16 [ref. [24631](#)], Balushkin 2000:S97 [ref. [29555](#)], **Eaken** et al. 2009:710 [ref. [30610](#)], Shandikov & Eakin 2013:74 [ref. [32695](#)], Balushkin 2013:123 [ref. [32909](#)]). **Current status:** Valid as *Pogonophryne immaculata* Eakin 1981. Artedidraconidae. Distribution: Southern Atlantic: South Orkney Islands. Habitat: marine.

Possibly could be Eakin needs checking

longibarbatus, Artedidraco Eaken [R. R.], Riginella [E.] & La Mesa [M.] 2015 [Polar Biology; ref. [33845](#)] Weddell Sea, Antarctica. Holotype: MNA 7073. Paratype: Not yet available. •Valid as *Artedidraco longibarbatus* **Eaken**, Riginella & La Mesa 2015. **Current status:** Valid as *Artedidraco longibarbatus* Eaken, Riginella & La Mesa 2015. Artedidraconidae. Distribution: Weddell Sea, Antarctica. Habitat: marine.

Possibly could be Eakin needs checking

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longibarbatus, Artedidraco Eaken [R. R.], Riginella [E.] & La Mesa [M.] 2015 [Polar Biology; ref. [33845](#)] Weddell Sea, Antarctica. Holotype: MNA 7073. Paratype: Not yet **available**. •Valid as *Artedidraco longibarbatus* Eaken, Riginella & La Mesa 2015. **Current status:** Valid as *Artedidraco longibarbatus* Eaken, Riginella & La Mesa 2015. Artedidraconidae. Distribution: Weddell Sea, Antarctica. Habitat: marine.

available

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annieae, Stiphodon Keith [M.] & Hadiaty [R. K.] 2015:268, Figs. 1-2 [Cybium v. 38 (no. 4) (for 2014); ref. [33653](#)] South Wosea, DS. Sawai, Weda Tengah, Halmahera,

Malaku, Indonesia. Holotype: MZB 18930. Paratypes: MNHN. •Valid as *Stiphodon annieae* Keith & Hadiaty 2015. **Current status:** Valid as *Stiphodon annieae* Keith & Hadiaty 2015. Gobiidae: Gobiinae. Distribution: Halmahera, Indonesia. Habitat: freshwater.

Keith [P.]

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dissensus, *Astyanax* Lucena [C. A. S.] & Thofehrn in Lucena, Castro & Bertaco 2013:538, Figs. 1-2 [Neotropical Ichthyology v. 11 (no. 3); ref. [32914](#)] Rio Grande do Sul, Candiota, arroio Candiota, downstream of Thermoelectric Power Plant, rio Jaguarão drainage, 31°34'36"S, 53°40'22"W, Brazil. Holotype: MCP 47000. Paratypes: many at MCN, MCP, UFRGS, •Valid as *Astyanax dissensus* Lucena & Thofehrn 2013 -- (Bertaco 2014:498 [ref. [33320](#)], Bertaco & Vigo 2015:[3] [ref. [33857](#)]). **Current status:** Valid as *Astyanax dissensus* Lucena & Thofehrn 2013. Characidae: Astyanax clade. Distribution: Laguna dos Patos system and rio Uruguay drainage, Brazil. Habitat: freshwater.

Lucena [C. A. S. de], Castro [J. B.] & Bertaco [V. A.] – according to Reference 32914

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stigmatosum, *Characidium* Melo [M. R. S. de] & Buckup [P. A.] 2002:988, Fig. 1 [Copeia 2002 (no. 4); ref. [26508](#)] Small stream tributary of córrego Ave Maria, near Santo Antônio farm headquarters, 14 kilometers north of Cavalcante, mun. Cavalcante, Goiás, 13°47'S, 47°30'W, Brazil. Holotype: MZUSP 40804. Paratypes: MCP 21715 (15); MNRJ 21974 (4, 1 c&s), MZUSP 70221 (15, 1 c&s), 40797 (2), 40810 (11), 40813 (6); USNM 36832 (2). •Valid as *Characidium stigmatosum* Melo & Buckup 2002 -- (Buckup in Reis et al. 2003:91 [ref. [27061](#)], Peixoto & Wosiacki 2013:56 [ref. [32558](#)], Netto-Ferreira et al. 2013:366 [ref. [32717](#)], Zanata & Camelier 2014:341 [ref. [33380](#)], Melo & Oyakawa 2015:288 [ref. [33788](#)]). **Current status:** Valid as *Characidium stigmatosum* Melo & Buckup 2002. Crenuchidae: Characidiinae. Distribution: Paranã River basin in upper Tocantins River drainage, Brazil. Habitat: freshwater.

Melo [M. R. S.] – normally shown without the “de”

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obscurus, *Semilabeo* Lin in Zheng 1981:106, Fig. 82 [Freshwater fishes of Guangxi Province 1981; ref. [23151](#)] Youjiang, Guangxi Province, Yangxu in Bose, China. Holotype: ASIZB [now NZMC] 60285 [ex 750609]. Paratypes: ASIZB [now NZMC] (19) 74488, 74614, 750265, 750267, 750610, 750611, deposited in ASIZB, Acad. Sin. Res. Inst. Aquat. Biol., and Fish. Res. Inst., Guangxi Zhuangzu Autonomous Region. Type catalog: He et al. 2015:41 [ref. [33808](#)] •Valid as *Semilabeo obscurus* Lin 1981 -- (Chu & Cui in Chu & Chen 1989:241 [ref. [13584](#)], Zheng et al. 1989:211 [ref. [21202](#)], Zhu 1995:68 [ref. [25213](#)], Yue & Chen 1998:129 [ref. [26415](#)], Zhang et al. in Yue 2000:225 [ref. [25272](#)], Kottelat 2013:162 [ref. [32989](#)], He et al. 2015:41 [ref. [33808](#)]). **Current status:** Valid as *Semilabeo obscurus* Lin 1981. Cyprinidae: Labeoninae. Distribution: Guangxi, China. Habitat: freshwater.

Lin [no initials] in Zheng

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aculeatus, *Eumicrotremus andriashevi* Vosboboinkova [O. S.] & Nazarkin [M. V.] 2015:142, Figs. 1c, 2b-, 3b, 4b-c, 5b, 6b, [Voprosy Ikhtiologii v. 55 (no. 2); ref. [33760](#)] Bering Sea, Litke Strait, 59°39'N, 164°01'E, depth 5 meters. Holotype: ZIN 53876. Paratypes: ZIN. •Synonym of *Eumicrotremus andriashevi* Perminov 1936, but a valid subspecies *aculeatus* Vosboboinkova & Nazarkin 2015. **Current status:** **Valid**

as *Eumicrotremus andriashevi* Perminov 1936. Cyclopteridae. Distribution: Bering Sea. Habitat: marine.

Synonym of

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concatenatus, **Valid** Kullander [S. O.] 2015:367, Fig. 3b [Ichthyological Exploration of Freshwaters v. 25 (no. 4); ref. [33743](#)] Rakhine State, Comepyo Chaung near Gwa, 17°40'57"N, 94°38'25"E, Myanmar. Holotype: BMNH 2011.3.24.50. Paratypes: BMNH. •Valid as *Danio concatenatus* Kullander 2015 -- (Kullander & Britz 2015:246 [ref. [33764](#)]). **Current status:** Valid as *Danio concatenatus* Kullander 2015. Cyprinidae: Danioninae. Distribution: Myanmar. Habitat: freshwater.

Danio

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caesifrons, **Chrysiptera** Allen [G. R.], Erdmann [M. V.] & **Kurniasih** 2015:20, Figs. 1-2 & 7a [Journal of the Ocean Science Foundation v. 15; ref. [33797](#)] Ayau Kecil Island, 00°21.342'S, 103°58.648'W, Ayau Atoll, Raja Ampat Islands, West Papua Province, Indonesia, depth 1.5-2.0 meters. Holotype: MZB 22260. Paratypes: MZB, WAM. Plus non-type specimens. •Valid as *Chrysiptera caesifrons* Allen, Erdmann & Kurniasih 2015. **Current status:** Valid as *Chrysiptera caesifrons* Allen, Erdmann & Kurniasih 2015. Pomacentridae. Distribution: Raja Ampat Islands, Indonesia Habitat: marine.

Kurniasih [E.]

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krongnoensis, **Onychostoma** Hoang [H. D.], **Pham [H, M.]** & Tran [N. T.] 2015:125, Figs. 2-3a-c [Zootaxa 3962 (no. 1); ref. [33811](#)] Upper Ea Krong No drainage: upper Mekong River in montane evergreen forest in Bidoup-Nui Ba National Park, Lam Dong Province, Vietnam (12°15'17.36"N, 108°40'29.15"E), altitude 1077 meters. Holotype: UNS 00805. Paratypes: NSMT-P, UNS. Valid as *Onychostoma krongnoensis* Hoang, Pham & Tran 2015. **Current status:** Valid as *Onychostoma krongnoensis* Hoang, Pham & Tran 2015. Cyprinidae: Cyprininae. Distribution: Lam Dong Province, Vietnam. Habitat: freshwater.

Pham [H. M.]

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kaladanensis, **Psilorhynchus** Lalramliana, **Lalnuntluaga** & Lalronunga [S.] 2015:173, Figs. 1-2 [Zootaxa 3962 (no. 1); ref. [33814](#)] Mizoram, Tuisi River, a tributary of Kaladan River in the vicinity of Khopai village, 22°11'51"N, 92°02'16"E, India. Holotype: PUCFM 14008. Paratypes: PUCFM, MZUBM/F. •Valid as *Psilorhynchus kaladanensis* Lalramliana, **Lalnuntluaga** & Lalronunga 2015. **Current status:** Valid as *Psilorhynchus kaladanensis* Lalramliana, **Lalnuntluaga** & Lalronunga 2015. Psilorhynchidae. Distribution: Tuisi River, India. Habitat: freshwater.

Lalnuntluaga

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margaritae, **Mugil** Menezes [N. A.], Nirchio [M.], **Olivera** [C.] & Siccharamirez [R.] 2015:26, Fig. 10 [Zootaxa 3918 (no. 1); ref. [33678](#)] Boca de Río/Nova Esparta, Isla Margarita, 10°58'14"N, 64°10'13"W, Venezuela. Holotype: MBUCV-V-35725. Paratypes: MBUCV, MZUSP, LBP. •Valid as *Mugil margaritae* Menezes, Nirchio, **Olivera** & Siccharamirez 2015. **Current status:** Valid as *Mugil margaritae* Menezes, Nirchio, **Olivera** & Siccharamirez 2015. Mugilidae. Distribution: Venezuela. Habitat: marine.

Oliveira

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vittatus, Chaetostomus Steindachner [F.] 1881:115 [15], Pl. 2 (figs. 5-5a) [Denkschriften der Kaiserlichen Akademie der Wissenschaften in Wien, Mathematisch-Naturwissenschaftliche Classe. v. 43; ref. [14290](#)] Amazon River, Tajapouru, Xingú near Moz Port, Rio Madeira, Brazil. Syntypes: (several) MCZ 7999 (1), 8017 (1); NMW 47225-28 (1, 1, 1, 2). Type catalog: Ferraris 2007:285 [ref. [29155](#)]. Original genus is correctly *Chaetostoma*. On p. 15 of separate. •Valid as *Peckoltia vittata* (Steindachner 1881) -- (Isbrücker 1980:57 [ref. [2303](#)], Burgess 1989:435 [ref. [12860](#)], Montoya-Burgos et al. 1998:367 [ref. [23850](#)], Isbrücker 2001:26, 31 [ref. [25653](#)], Isbrücker 2002:25 [ref. [27178](#)], Fisch-Muller in Reis et al. 2003:393 [ref. [27061](#)], López et al. 2003:53 [ref. [27366](#)], Armbruster & Werneke 2005:2 [ref. [28101](#)], Menni 2004:81 [ref. [28131](#)], Ferraris 2007:285 [ref. [29155](#)], Armbruster 2008:40 [ref. [29740](#)], Zawadzki et al. 2010:724 [ref. [31074](#)], de **Oliveira** et al. 2010:54 [ref. [30929](#)], de Oliveira et al. 2012:548 [ref. [32202](#)], Armbruster et al. 2015:99 [ref. [33670](#)]). **Current status:** Valid as *Peckoltia vittata* (Steindachner 1881). Loricariidae: Hypostominae. Distribution: Middle and lower Amazon River basin: Bolivia, Colombia, Brazil and Venezuela. Habitat: freshwater.

Oliveira

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cryptus, Eptatretus Roberts [C. D.] & Stewart [A. L.] Zintzen et al. 2015:371, Figs. 1-2, 4-5 [Zoological Journal of the Linnean Society 174; ref. [33803](#)] Off Great Barrier Island, New Zealand, 35°30.679'S, 175°33.356'E, depth 681 meters. Holotype: NMNZ P.44217. Paratypes: CSIRO, NMNZ, NRM, USNM. •Valid as *Eptatretus cryptus* **Roberts & Stewart** 2015. **Current status:** Valid as *Eptatretus cryptus* **Roberts & Stewart** 2015. Myxinidae: Eptatretinae. Distribution: New Zealand. Habitat: marine.

Zintzen [V.], Roberts [C. D.], Shepherd [L.], Stewart [A. L.] et al.

or

Zintzen [V.], Roberts [C. D.], Shepherd [L.], Stewart [A. L.], Struthers [C. D.], Anderson [M. J.], McVeagh [M.], Norén [M.] & Fernholm [B.]

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maekhlongensis, Paracanthocobitis Sinder [R. A.] & Page [L. M.] 2015:392, Figs. 6, 16 [Copeia v. 103 (no 2); ref. [33823](#)] Kanchanaburi Province, Thong Pha Phum, Ban Rai, NW Huai Khayeng, close to SW side of reservoir, off road 327, 14°41'25"N, 98°31'16"E, Thailand. Holotype: NIFI 4853. Paratypes: UF, UMMZ. •Valid as *Paracanthocobitis maekhlongensis* Singer & Page 2015. **Current status:** Valid as *Paracanthocobitis maekhlongensis* Singer & Page 2015. Nemacheilidae. Distribution: Mae Khlong River basin, Thailand. Habitat: freshwater.

Singer

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aculeatus*, *Eumicrotremus andriashevi Vosboboinikova [O. S.] & Nazarkin [M. V.] 2015:142, Figs. 1c, 2b-, 3b, 4b-c, 5b, 6b, [Voprosy Ikhtiologii v. 55 (no. 2); ref. [33760](#)] Bering Sea, Litke Strait, 59°39'N, 164°01'E, depth 5 meters. Holotype: ZIN 53876. Paratypes: ZIN. •Synonym of *Eumicrotremus andriashevi* Perminov 1936, but a valid subspecies ***aculeatus Vosboboinikova*** & Nazarkin 2015. **Current status:** Valid as *Eumicrotremus andriashevi* Perminov 1936. Cyclopteridae. Distribution: Bering Sea. Habitat: marine.

Voskoboinikova – reference 33760 is probably wrong

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andriashevi*, *Eumicrotremus orbis forma Perminov [G. N.] 1936:118 [Vestnik Dal'nevostocnogo Filiala Akademii Nauk SSSR = Bulletin of the Far Eastern Branch of the Academy of Sciences of the USSR No. 19; ref. [22804](#)] Bering Sea, 63°05'N, 171°47'W, southern of St. Lawrence Island, Alaska, U.S.A., depth 55-65 meters. Lectotype: ZIN 25378. Paralectotypes: ZIN 52862 (2) [ex ZIN 25378]; 70 specimens, Gulf of Anadyr, 65 m, 1 Aug. 1933, collected by K. Panin [lost?]. Described as a new forma but treated like a subspecies; regarded as available (Art. 45.6.4). Also appeared as Perminov in Taranetz 1937:126 [ref. [13384](#)]. See Mecklenburg & Sheiko 2003:6 [ref. [27295](#)] for clarification of types, misidentifications, and lectotype designation (by Lindberg & Legeza 1955:409, fig. 11 [ref. [2785](#)]). •Synonym of *Eumicrotremus schmidtii* Lindberg & Legeza 1955 -- (Lindberg & Krasnyukova 1987:358 [ref. [15964](#)]). •Valid as *Eumicrotremus andriashevi* Perminov 1936 -- (Lindberg & Legeza 1955:408 [ref. [2785](#)], Ueno 1970:80 [ref. [26199](#)], Robins & Ray 1986:285 [ref. [23100](#)], Sheiko & Fedorov 2000:31 [ref. [25650](#)], Mecklenburg et al. 2002:568 [ref. [25968](#)], Parin et al. 2002:S106 [ref. [28300](#)], Mecklenburg & Sheiko 2003:6 [ref. [27295](#)], Nelson et al. 2004:123 [ref. [27807](#)], Mecklenburg et al. 2011:127 [ref. [31212](#)], Page et al. 2013:127 [ref. [32708](#)], Parin et al. 2014:308 [ref. [33547](#)]). •Valid as *Eumicrotremus andriashevi* Perminov 1936, subspecies *andriashevi* -- (***Vosboboinikova*** & Nazarkin 2015:139 [ref. [33760](#)]). **Current status:** Valid as *Eumicrotremus andriashevi* Perminov 1936. Cyclopteridae. Distribution: North Pacific and adjacent Arctic: northeastern Chukchi Sea to eastern Bering Sea at least as far south as St. Matthew Island and western Bering Sea to Karaginskiy Bay. Habitat: marine.

Voskoboinikova – reference 33760 is probably wrong

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schmidtii*, *Eumicrotremus Lindberg [G. U.] & Legeza [M. I.] 1955:406, Fig. 9 [Trudy Zoologicheskogo Instituta, Akademii Nauk SSSR v. 18; ref. [2785](#)] Penzhinskaya Bay, Okhotsk Sea, Russia. Lectotype: ZIN 22009. Paralectotypes: 10 adults: UW 42941 (1) [ex UBC 62-404, ex ZIN 22010], ZIN 12917 (2) 12919 (1), 18024 (1), 22009-10 (1, 3 now 2), 24253 (1), 25384 (1), 33673 (1); 6 juveniles: ZIN 12918 (2), 12920 (3), 12957 (1). Described specimen regarded as holotype by Russian Academy of Sciences; technically it was designated the lectotype by Eschmeyer 1998:1518 [ref. [23416](#)]. Mecklenburg & Sheiko 2003:10 [ref. [27295](#)] examined type series and clarified status. •Valid as *Eumicrotremus schmidtii* Lindberg & Legeza 1955 -- (Ueno 1970:76 [ref. [26199](#)], Kido in Masuda et al. 1984:336 [ref. [6441](#)], Lindberg & Krasnyukova 1987:358 [ref. [15964](#)], Nakabo 2000:663 [ref. [25086](#)], Sheiko & Fedorov 2000:31 [ref. [25650](#)], Nakabo 2002:663 [ref. [26001](#)], Parin et al. 2002:S108 [ref. [28300](#)], Mecklenburg & Sheiko 2003:10 [ref. [27295](#)], Fedorov et al. 2003:95 [ref. [27579](#)], Parin et al. 2014:311 [ref. [33547](#)], ? ***Vosboboinikova*** & Nazarkin 2015:144 [ref. [33760](#)]). **Current status:** Valid as *Eumicrotremus schmidtii* Lindberg & Legeza 1955. Cyclopteridae. Distribution: Western North Pacific. Habitat: marine.

Voskoboinikova – reference 33760 is probably wrong

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rubrostriatus, Hemigrammus Zarske [M.] 2015:66, Figs. 1-5 [Vertebrate Zoology v. 65 (no. 1); ref. [33782](#)] Grenzgebiet Kolumbien Venezuela, Import Firma Glaser, 2013. Holotype: MTD F 33435. Paratypes: MTD F 33436-33445 (10). •Valid as *Hemigrammus rubrostriatus* (Zarske 2015) -- (Zarske 2015:2 [ref. [33782](#)]). **Current status:** Valid as *Hemigrammus rubrostriatus* Zarske 2015. Characidae: Pristellinae. Distribution: Colombia. Habitat: freshwater.

Zarske [A.]

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uchidai, Pseudorasbora parva Okada [Y.] & Kubota [S. S.] 1957 [Journal of the Faculty of Science Hokkaido University Series VI Zoology v. 13 (1-4); ref. [33756](#)] Ise Bay area. Japan. Holotype. •Synonym of *Pseudorasbora pumila* Miyadi 1930, but a **void** subspecies *uchidai* Okada & Kubota 1957 -- (Kawase & **Hodoya** 2015:286 [ref. [33756](#)], Kawase & Hosoya 2015:315 [ref. [33756](#)]). **Current status:** Synonym of *Pseudorasbora pumila* **Okada & Kubota 2015**. Cyprinidae: Gobioninae. Habitat: freshwater.

valid

Hosoya

[33755](#)

[33755](#)

Miyadi 1930

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arabicus, Acanthopagrus Iwatsuki [Y.] 2013:83, Fig. 4 (b) [Journal of Fish Biology v. 83 (no. 1); ref. [32744](#)] Western Coast of Qatar (market specimen). Holotype: MUFS 33840. Paratypes: MUFS 19109 (1), 19123-24 (2), 19568 (1), 27226 (1), 25800-805 (6), 33839 (1). Plus non-type specimens. •Valid as *Acanthopagrus arabicus* **Iwatsuki** 2013 -- (Saddiqui et al. 2014:73 [ref. [33479](#)]). **Current status:** Valid as *Acanthopagrus arabicus* Iwatsuki 2013. Sparidae. Distribution: Oman east to Kuwait to Pakistan and India. Habitat: marine.

Iwatsuki

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atlanticus, Hapalogenys Reichenow [A.] in Peters 1877:621 [Monatsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1877; ref. [18613](#)] Chinchoxo [Chichoua], Gabon, West Africa. Holotype (unique): ZMB 10179. •Valid as *Centrarchops atlanticus* (Reichenow 1877) -- (Heemstra & Heemstra 2004:194 [ref. [28072](#)]). •Senior synonym of *Centrarchops chapini* Fowler 1923, on ms by Heemstra & **Iwatsuki** in press -- (Iwatsuki & Russell 2006:43 [ref. [28928](#)]). **Current status:** Synonym of *Centrarchops chapini* Fowler 1923. Dinopercidae. Distribution: Angola [if valid]. Habitat: marine.

Iwatsuki

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auriventris, Sargus Peters [W. (C. H.)] 1855:435 [Monatsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1855; ref. [3449](#)] Mozambique. No types known. Also described as new in Peters 1855:243 [ref. [13448](#)]. •Synonym of *Rhabdosargus sarba* (Forsskål 1775) -- (Smith & Smith 1986:593 [ref. [5710](#)], Bauchot & Skelton 1986:332 [ref. [6210](#)], Bray et al. 2006:1230 [ref. [29091](#)], Tanaka & **Iwatsuki** 2013:9 [ref. [32775](#)], Siddiqui et al. 2014:87 [ref. [33479](#)]). **Current status:** Synonym of *Rhabdosargus sarba* (Forsskål 1775). Sparidae. Habitat: brackish,

marine.

Iwatsuki

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bufonites, Sparus Lacepède [B. G. E.] 1802:47, 141, Pl. 2 (fig. 3) [Histoire naturelle des poissons (Lacepède) v. 4; ref. [4929](#)] Indo-Pacific. No types known. Type catalog: Bauchot & Daget 1972:70 [ref. [20898](#)]. •Synonym of *Rhabdosargus sarba* (Forsskål 1775) -- (Bauchot & Skelton 1986:332 [ref. [6210](#)], Tanaka & **Iwasuki** 2013:9 [ref. [32775](#)], Siddiqui et al. 2014:87 [ref. [33479](#)]). **Current status:** Synonym of *Rhabdosargus sarba* (Forsskål 1775). Sparidae. Habitat: brackish, marine.

Iwatsuki

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carpenteri, Dentex Iwatsuki [Y.], Newman [S. J.] & Russell [B. C.] 2015:111, Figs. 1A-B, 2, 5A [Zootaxa 3957 (no. 1); ref. [33802](#)] Off Ningaloo Reef near Exmouth, Western Australia (22°10.02'S, 113°46.21'E), depth 200-210 meters. Holotype: WAM P.33486-001. Paratypes: WAM. •Valid as *Dentex carpenteri* Iwatsuki, Newman & Russell 2015. **Current status:** Valid as *Dentex carpenteri* **Iwasuki**, Newman & Russell 2015. Sparidae. Distribution: Western Australia. Habitat: marine.

Iwatsuki

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chrysargyra, Chrysophris Cuvier [G.] 1829:182 [Le Règne Animal (Edition 2) v. 2; ref. [995](#)] India. No types known. Available from footnote as, "*Chr. chrysargyra*, N., *Chitchillée*, Russel, 91." •Synonym of *Rhabdosargus sarba* (Forsskål 1775) -- (Bauchot & Skelton 1986:332 [ref. [6210](#)] but dating to Valenciennes 1830, Tanaka & **Iwasuki** 2013:9 [ref. [32775](#)], Siddiqui et al. 2014:87 [ref. [33479](#)]). **Current status:** Synonym of *Rhabdosargus sarba* (Forsskål 1775). Sparidae. Habitat: brackish, marine.

Iwatsuki

:

:

chrysargyra, Chrysophris Valenciennes [A.] in Cuvier & Valenciennes 1830:107 [Histoire naturelle des poissons v. 6; ref. [996](#)] Vizagapatam, India. No types known. Type catalog: Bauchot & Daget 1972:65 [ref. [20898](#)]. Based on Russell 1803:73, Pl. 91 [ref. [13862](#)]. •Objective synonym of *Chrysophris chrysargyra* Cuvier 1829. •Synonym of *Rhabdosargus sarba* (Forsskål 1775) based on placement of *chrysargyra* Cuvier 1829. •Synonym of *Rhabdosargus sarba* (Forsskål 1775) -- (Tanaka & **Iwasuki** 2013:9 [ref. [32775](#)], Siddiqui et al. 2014:87 [ref. [33479](#)]). **Current status:** Synonym of *Rhabdosargus sarba* (Forsskål 1775). Sparidae. Habitat: brackish, marine.

:

globiceps, Chrysophris Valenciennes [A.] in Cuvier & Valenciennes 1830:100 [Histoire naturelle des poissons v. 6; ref. [996](#)] Cape of Good Hope, South Africa. Syntypes: MNHN A-8159 (1, dry), A-8160 (1, dry), A-8161 (1, dry), A-8163 (1, dry). Type catalog: Bauchot & Daget 1972:45 [ref. [20898](#)]. •Valid as *Rhabdosargus globiceps* (Valenciennes 1830) -- (Smith & Smith 1986:592 [ref. [5710](#)], Bauchot & Hureau 1990:809 [ref. [18793](#)], Bianchi & Carpenter in Bianchi et al. 1993:163 [ref. [25472](#)] with Cuvier 1830 as author, Heemstra & Heemstra 2004:235 [ref. [28072](#)], Tanaka & **Iwasuki**

2013:2 [ref. [32775](#)]). **Current status:** Valid as *Rhabdosargus globiceps* (Valenciennes 1830). Sparidae. Distribution: Southeastern Atlantic and southwestern Indian Ocean. Habitat: brackish, marine.

Iwatsuki

:

haffara, Sparus Forsskål [P. S.] 1775:33, xi [Descriptiones animalium (Forsskål); ref. [1351](#)] No locality stated (Red Sea). No types known. •Valid as *Rhabdosargus haffara* (Forsskål 1775) -- (Dor 1984:160 [ref. [29757](#)], Goren & Dor 1994:44 [ref. [25356](#)], Randall 1995:227 [ref. [22896](#)], Carpenter et al. 1997:182 [ref. [23922](#)], Golani 1998:97 [ref. [27567](#)], Manilo & Bogorodsky 2003:S109 [ref. [27377](#)], Tanaka &

Iwasuki 2013:2 [ref. [32775](#)], Siddiqui et al. 2014:88 [ref. [33479](#)]). **Current status:** Valid as *Rhabdosargus haffara* (Forsskål 1775). Sparidae. Distribution: Red Sea, western Indian Ocean; Mediterranean Sea (Red Sea immigrant). Habitat: marine.

Iwatsuki

:

holubi, Sargus Steindachner [F.] 1881:208 [30], Pl. 3 [Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Classe v. 83 (1. Abth.); ref. [4231](#)] Algoa Bay, South Africa, southwestern Indian Ocean. Syntypes: NMW 60953 (1), 60955 (1). On p. 30 of separate. •Valid as *Rhabdosargus holubi* (Steindachner 1881) -- (Smith & Smith 1986:592 [ref. [5710](#)], Bauchot & Skelton 1986:332 [ref. [6210](#)], Heemstra & Heemstra 2004:236 [ref. [28072](#)], Tanaka &

Iwasuki 2013:2 [ref. [32775](#)]). **Current status:** Valid as *Rhabdosargus holubi* (Steindachner 1881). Sparidae. Distribution: Southeastern Atlantic and southwestern Indian Ocean: southern Africa. Habitat: brackish, marine.

Iwatsuki

::

nigrofasciatus, Sargus Regan [C. T.] 1908:253, Pl. 41 [Annals of the Natal Museum v. 1 (pt 3); ref. [14355](#)] 16 miles northeast of Bird Island, Algoa Bay, KwaZulu-Natal, South Africa, southwestern Indian Ocean, depth 40 fathoms. Syntypes: BMNH 1905.6.8.37-38 (2). •Synonym of *Rhabdosargus globiceps* (Valenciennes 1830) -- (Smith & Smith 1986:592 [ref. [5710](#)] with author as Cuvier 1830, Bauchot & Hureau 1990:809

[ref. [18793](#)], Tanaka & **Iwasuki** 2013:2 [ref. [32775](#)]). **Current status:** Synonym of *Rhabdosargus globiceps* (Valenciennes 1830). Sparidae. Habitat: brackish, marine.

Iwatsuki

:

psittacus, Sparus Lacepède [B. G. E.] 1802:47, 141 [Histoire naturelle des poissons (Lacepède) v. 4; ref. [4929](#)] Indian seas. Holotype (unique): MNHN A-3847 (dry). Type catalog: Bauchot & Daget 1972:62 [ref. [20898](#)]. Figured on Pl. 26 (fig. 3) of Lacepède 1801 [ref. [2710](#)]. •Synonym of *Rhabdosargus sarba* (Forsskål 1775) -- (Bauchot & Skelton 1986:332 [ref. [6210](#)], Fricke 1999:294 [ref. [24106](#)], Tanaka & **Iwasuki** 2013:9 [ref. [32775](#)], Siddiqui et al. 2014:87 [ref. [33479](#)]). **Current status:** Synonym of *Rhabdosargus sarba* (Forsskål 1775). Sparidae. Habitat: brackish, marine.

Iwatsuki

:

tarwhine, Roughleyia Whitley [G. P.] 1931:319 [Australian Zoologist v. 6 (pt 4); ref. [4672](#)] Batchelor, Macleay River, New South Wales, Australia. Holotype: AMS I.15267. Specimens illustrated in Stead 1908:78, Pl. 47 [ref. [18743](#)]. •Synonym of *Rhabdosargus sarba* (Forsskål 1775) -- (Bray et al. 2006:1230 [ref. [29091](#)], Tanaka &

Iwasuki 2013:9 [ref. [32775](#)], Siddiqui et al. 2014:87 [ref. [33479](#)]). **Current status:** Synonym of *Rhabdosargus sarba* (Forsskål 1775). Sparidae. Habitat: brackish, marine.

Iwatsuki

:

thorpei, *Argyrosomus* Smith [M. M.] 1977:562, Pls. 1 (fig. C), 2 [Journal of Zoology (London) v. 181 (no. 4); ref. [7284](#)] Off KwaZulu-Natal, South Africa, southwestern Indian Ocean. Holotype: SAIAB [formerly RUSI] 674. Paratypes: BMNH 1976.10.18.1 (10); RUSI 675-680 (1, 1, 1, 1, 1, 1), 2587 (1), 2651 (2). •Valid as *Argyrosomus thorpei* Smith 1977 -- (Trewavas 1977:337 [ref. [4459](#)], Heemstra 1986:617 [ref. [5660](#)], Griffiths & Heemstra 1995:19 [ref. [22038](#)], Sasaki 1996:86 [ref. [22156](#)], Heemstra & Heemstra 2004:270 [ref. [28072](#)], Tanaka & **Iwasuki** 2013:2 [ref. [32775](#)]). **Current status:** Valid as *Argyrosomus thorpei* Smith 1977. Sciaenidae. Distribution: Southwestern Indian Ocean. Habitat: marine.

Iwatsuki

:

tricuspidens, *Austrosparus* Smith [J. L. B.] 1942:282 [Transactions of the Royal Society of South Africa v. 29 (pt 4); ref. [4070](#)] Knysna, Cape Province, South Africa. Syntypes: SAIAB [formerly RUSI] 57 [ex AMG] (1). •Synonym of *Rhabdosargus holubi* (Steindachner 1881) -- (Smith & Smith 1986:592 [ref. [5710](#)], Tanaka & **Iwasuki** 2013:8 [ref. [32775](#)]). **Current status:** Synonym of *Rhabdosargus holubi* (Steindachner 1881). Sparidae. Habitat: brackish, marine.

Iwatsuki

:

latus, *Sparus* Houttuyn [M.] 1782:322 [Verhandelingen der Hollandsche Maatschappij der Wetenschappen, Haarlem v. 20 (pt 2); ref. [2220](#)] Hirado Bay, Nagasaki, Japan (new locality). Neotype: MUSF 36814. See Boeseman 1995:6 [ref. [21811](#)]. Neotype selected by **Iwasuki** 2013:73 [ref. [32744](#)]. •Valid as *Sparus latus* Houttuyn 1782 -- (Yu & Zhou in Kuang et al. 1986:243 [ref. [26639](#)], Ye in Pan et al. 1991:404 [ref. [23876](#)]). •Valid as *Acanthopagrus latus* (Houttuyn 1782) -- (Akazaki in Masuda et al. 1984:178 [ref. [6441](#)], Dor 1984:157 [ref. [29757](#)], Allen & Swainston 1988:84 [ref. [25477](#)], Kawanabe & Mizuno 1989:531 [ref. [25598](#)], Zheng 1989:326 [ref. [21202](#)], Talwar & Jhingran 1991:847 [ref. [20764](#)], Kottelat et al. 1993:116 [ref. [23448](#)], Goren & Dor 1994:43 [ref. [25356](#)], Randall 1995:223 [ref. [22896](#)], Allen 1997:132 [ref. [23977](#)], Carpenter et al. 1997:180 [ref. [23922](#)], Chen et al. 1997:94 [ref. [26476](#)], Takahashi et al. 1997:45 [ref. [24971](#)], Coad 1998:103 [ref. [23869](#)], Mizuno et al. 1999:9 [ref. [25311](#)], Nakabo 2000:857 [ref. [25086](#)], Carpenter in Randall & Lim 2000:619 [ref. [25122](#)], Sadovy & Cornish 2000:136 [ref. [25480](#)], Shimizu 2001:31 [ref. [25799](#)], Hutchins 2001:35 [ref. [25847](#)], Carpenter 2001:2997 [ref. [26104](#)], Allen et al. 2002:344 [ref. [25930](#)], Nakabo 2002:857 [ref. [26001](#)], Youn 2002:342, 615 [ref. [26218](#)], Manilo & Bogorodsky 2003:S109 [ref. [27377](#)], Khan 2003:9 [ref. [27710](#)], Aatur Rahman 2003:352 [ref. [31338](#)], Bray et al. 2006:1227 [ref. [29091](#)], Kume & Yoshino 2008:53 [ref. [29572](#)], Iwatsuki & Carpenter 2009:44 [ref. [30528](#)], Iwatsuki et al. 2010:115 [ref. [31106](#)], Esmaili et al. 2010:375 [ref. [33391](#)], Larson et al. 2013:139 [ref. [32988](#)], Iwatsuki 2013:67 [ref. [32744](#)] (and limited to localities below), Kottelat 2013:352 [ref. [32989](#)], Siddiqui et al. 2014:74 [ref. [33479](#)]). **Current status:** Valid as *Acanthopagrus latus* (Houttuyn 1782). Sparidae. Distribution: Japan, Korea, Taiwan, China to northern Vietnam [or ref. [32744](#)], introduced elsewhere. Habitat: freshwater, brackish, marine.

Iwatsuki

:

avicennae, *Cobitis* Mousavi-Sabet [H.], Vatandoust [S.], Esmaili [H. R.], Geiger [A. F.] & Freyhof [J.] 2015:562, Figs. 3-7 [Zootaxa 3914 (no. 5); ref. [33668](#)] Hamedan Province, Gamasiab River at Dehno, a tributary to Karkheh, 34°10'15"N, 48°22'19"E, Iran, altitude 1610 meters. Holotype: GUIC CC1462MA. Paratypes: CUIC CC1462M (6). Plus additional on-type material. •Valid as *Cobitis avicennae* Mousavi-**Savet**, Vatandoust, Esmaili, Geiger & Freyhof 2015. **Current status:** Valid as *Cobitis avicennae* Mousavi-**Savet**, Vatandoust, Esmaili, Geiger & Freyhof 2015. Cobitidae:

Cobitinae. Distribution: Gamasiab River, Tigris River drainage, Iran. Habitat: freshwater.

Savet

:

aculeatus, *Eumicrotremus andriashevi* Vosboboinkova [O. S.] & Nazarkin [M. V.] 2015:142, Figs. 1c, 2b-, 3b, 4b-c, 5b, 6b, [Voprosy Ikhtiologii v. 55 (no. 2); ref. [33760](#)] Bering Sea, Litke Strait, 59°39'N, 164°01'E, depth 5 meters. Holotype: ZIN 53876. Paratypes: ZIN. •Synonym of *Eumicrotremus andriashevi* Perminov 1936, but a valid subspecies *aculeatus* Vosboboinkova & Nazarkin 2015. **Current status: Valid**

as *Eumicrotremus andriashevi* Perminov 1936. Cyclopteridae. Distribution: Bering Sea. Habitat: marine.

Synonym of

:

maekhlongensis, *Paracanthocobitis Sinder* [R. A.] & Page [L. M.] 2015:392, Figs. 6, 16 [Copeia v. 103 (no 2); ref. [33823](#)] Kanchanaburi Province, Thong Pha Phum, Ban Rai, NW Huai Khayeng, close to SW side of reservoir, off road 327, 14°41'25"N, 98°31'16"E, Thailand. Holotype: NIFI 4853. Paratypes: UF, UMMZ. •Valid as *Paracanthocobitis maekhlongensis* Singer & Page 2015. **Current status: Valid** as *Paracanthocobitis maekhlongensis* Singer & Page 2015. Nemacheilidae. Distribution: Mae Klong River basin, Thailand. Habitat: freshwater.

Singer

:

atrakensis, *Paracobitis* Esmaeili [H. R.], Mousavi-Sabet [H.], Sayyadzadeh [G.], Vatandoust [S.] **XXX**, **XXX** & Freyhof [J.] 2014:238 [Ichthyological Exploration of Freshwaters v. 25 (no. 3); ref. [33625](#)] Atrak and Bidvaz River, northeastern Iran. Holotype. From a listing. •Valid as *Paracobitis atrakensis* Esmaeili, Mousavi-Sabet, Sayyadzadeh, Vatandoust & Freyhof 2014 -- (Mousavi-Sabet et al. 2015:340 [ref. [33744](#)]). **Current status: Valid** as *Paracobitis atrakensis* Esmaeili, Mousavi-Sabet, Sayyadzadeh, Vatandoust & Freyhof 2014. Nemacheilidae. Distribution: Atrak and Bidvaz River, northeastern Iran. Habitat: freshwater.

Remove comma

:

greedoi, *Peckoltia* Armbruster [J. W.], Werneke [D. C.] & Tan [M.] 2015:107, Fig. 4 [ZooKeys v. 480; ref. [33670](#)] Pará, río Gurupi on BR 316 at border of Pará and Maranhão, -01.8003°, -046.3167°, Brazil. Holotype: MCP 21972. Paratypes: ANSP, AUM, MCP, MNRJ. •Valid as *Peckoltia greedoi* Armbruster, Werneke & Tan 2015. **Current**

status: Valid as *Peckoltia greedoi* **Armbruster**, Werneke & Tan 2015. Loricariidae: Hypostominae. Distribution: Gurupi drainage, Brazil. Habitat: freshwater.

Armbruster

:

striata, *Pethia* Atkore [V. M.], Knight [J. D. M.], Remi Devi [K. R.] & Krishnaswamy [J.] 2015:291, Figs. 1-2 [Copeia v. 103 (no. 2); ref. [33789](#)] Karataka, Chikmagalur Distrit, Tunga River basin, Balipehalla, Mudba stream, 13°18'2.2674"N, 75°06'32.448"E, India, altitude 735 meters. Holotype: ZSI/SRC F8728. Paratypes: ZSI/SRC. •Valid as *Pethia striata* Atkore, Knight, Remi Devi & Krishnaswamy 2015. **Current status: Valid** as *Pethia striata* Atkore, Knight, **Rema** Devi & Krishnaswamy 2015. Cyprinidae: Cyprininae. Distribution: Tunga River System, India. Habitat: freshwater.

Remi

:

acherontos, *Retroculus* Landim [M. I.], Mareira [C. A.] & Figueiredo [C. A.] 2015:371, Figs. 1-8 [Zootaxa 3973 (no. 2); ref. [33850](#)] Goiás, Rio Tocantins basin, Rio das Almas,

tributary of left margin of Rio Maranhão, 14° 37'51.2"S, 49° 1'56.6"W, Brazil. Holotype: MZUSP 85824. Paratypes: AMNH, MZUSP, NRM. •Valid as *Retroculus*

acherontos **Landin**, Mareira & Figueiredo 2015. **Current status:** Valid as *Retroculus*

acherontos **Landin**, Mareira & Figueiredo 2015. Cichlidae: Cichlinae. Distribution:

Goiás, Brazil. Habitat: freshwater.

Landim

:

langsonensis, *Silurus* Nguyen [V. H.], Vu [T. H. N.] & Nguyen [T. D. P.] 2015:68, Fig. 2 [Journal of Science and Development v. 13 (no. 1); ref. [33790](#)] Ky Cung River, **Lang Son Province**, Vietnam. Holotype: L.S.09.04.001. Paratypes: L. S. •Valid as *Silurus*

langsonensis **Nguyes**, Vu & Nguyen 2015. **Current status:** Valid as *Silurus*

langsonensis **Nguyes**, Vu & Nguyen 2015. Siluridae. Distribution: Northern Vietnam. Habitat: freshwater.

Lang Son Province

Nguyen

:

mossambica, *Spottobrotula* **Nielsen [J. G.] Schwarzhans [W.] & Uiblein [F.]** 2014:17 [129], Figs. 7-9 [Marine Biology Research v. 11 (no. 2) (for 2015); ref. [33532](#)] Mozambique Channel, 19°35'S,

36°15'E, depth 45 meters. Holotype: ZMUC P771715. Paratypes: LACM, SAIAB, USNM, ZMUC, ZMMSU. •Valid as *Spottobrotula*

mossambica Nielsen, Schwarzhans & Uiblein 2014. **Current status:** Valid as *Spottobrotula mossambica* Nielsen, Schwarzhans & Uiblein 2014.

Ophidiidae: Neobythitinae. Distribution: Western Indian Ocean: Oman to Mozambique Channel. Habitat: marine.

Nielsen [J. G.], Schwarzhans [W.] & Uiblein [F.]

Needs a comma after Nielsen [J. G.]

:

rubrivittata, *Melanotaenia* Allen [G. R.], Unmack [P. J.] & Hadiaty [R. K.]

2015:851, Figs. 1-4 [Fishes of Sahul, Journal of the Australia New Guinea Fisheries Association v. 29 (no. 1); ref. [33735](#)] Small pond, beside Tirawiwa River, 3°01.970'S,

136°22.231'E, Wapoga River **syseam**, Papua Province, Indonesia, depth 0.3 meters.

Holotype: MZB 22261. Paratypes: MZB, WAM, USNM. •Valid as *Melanotaenia rubrivittata* Allen, Unmack & Hadiaty 2015. **Current status:** Valid as *Melanotaenia rubrivittata* Allen, Unmack & Hadiaty 2015. Melanotaeniidae. Distribution: Papua Province, Indonesia. Habitat: freshwater.

Melanotaenia

system

:

Dawkinsia Pethiyagoda [R.], Meegaskumbura [M.] & Maduwage [K.] 2012 **xxx** :

page xxx [ref. [32071](#)]. *Leuciscus filamentosus* Valenciennes 1844. Type by original

designation. •Valid as *Dawkinsia* Pethiyagoda, Meegaskumbura & Maduwage 2012 -- (Pethiyagoda 2013:199 [ref. [32691](#)], Raghavan et al. 2013:4936 [ref. [32992](#)], Yang et al. 2015:99 [ref. [33694](#)] in Cyprininae, tribe Smiliogastrini). **Current status:** Valid as *Dawkinsia* Pethiyagoda, Meegaskumbura & Maduwage 2012. Cyprinidae: Cyprininae.

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:

Nosferatu De la Maza-Benignos [M.], Ornelas-Garcia [C. P.], Lozano-Vilano [M. d. L.], García-Ramírez et al. 2015:210 [ref. [33310](#)]. Masc. *Herichthys pame* De la Maza-Benignos & Lozano-Vilano **xxx insert xxx** Type by original designation. •Valid as *Nosferatu* De la Maza-Benignos, Ornelas-García, Lozano-Vilano, García-Ramírez and Doadria 2015. •Synonym of *Herichthys* Baird & Girard 1854 -- (Mejía et al. 2015:71 [ref. [33860](#)]). **Current status:** Synonym of *Herichthys* Baird & **Grard** 1854. Cichlidae: Cichlinae.

2013.

Girard

:

Branderius Rafinesque [C. S.] 1815:93 [ref. [3584](#)]. Masc. *Cecilia branderiana* Lacepède 1800 (= *Muraena caeca* Linnaeus 1758). Type by being a replacement name. As "*Branderius* R. [Rafinesque] *Cecilia* Lac. [Lacepède]." Available replacement for *Caecilia* Lacepède 1800 (preoccupied by *Caecilia* Linnaeus 1758 in Amphibia); earlier replaced by *Typhlotes* Fischer von Waldheim 1813. •Synonym of *Apterichtus* Duméril **1806**-- (Blache et al. 1973:248 [ref. [7185](#)], McCosker 1977:65 [ref. [6836](#)], McCosker et al. 1989:318 [ref. [13288](#)], McCosker & Hibino 2015:50 [ref. [33725](#)]). **Current status:** Synonym of *Apterichtus* Duméril **1806**. Ophichthidae: Ophichthinae.

1805

:

Caecilia Lacepède [B. G. E.] 1800:134 [ref. [2709](#)]. Fem. *Caecilia branderiana* Lacepède 1800 (= *Muraena caeca* Linnaeus 1758). Type by monotypy. Objectively invalid; preoccupied by *Caecilia* Linnaeus 1758 in Amphibia; replaced by *Typhlotes* Fischer von Waldheim 1813 and by *Branderius* Rafinesque 1815. •Synonym of *Apterichtus* Duméril **1806**-- (Blache et al. 1973:248 [ref. [7185](#)], McCosker 1977:65 [ref. [6836](#)], McCosker et al. 1989:317 [ref. [13288](#)], McCosker et al. 2006:266 [ref. [29006](#)], McCosker & Hibino 2015:50 [ref. [33725](#)]). **Current status:** Synonym of *Apterichtus* Duméril **1806**. Ophichthidae: Ophichthinae.

1805

:

Ophisurapus Kaup [J. J.] 1856:52 [ref. [2572](#)]. Masc. *Ophisurapus gracilis* Kaup 1856. Type by monotypy. Also in Kaup 1856:29 [ref. [2573](#)] as *Ophisuraphis* and as name only in Kaup in Duméril 1856:199 [ref. [1154](#)]. •Synonym of *Apterichtus* Duméril **1806**-- (Blache et al. 1973:248 [ref. [7185](#)], McCosker 1977:65 [ref. [6836](#)], McCosker et al. 1989:318 [ref. [13288](#)], McCosker & Hibino 2015:50 [ref. [33725](#)]). **Current status:** Synonym of *Apterichtus* Duméril **1806**. Ophichthidae: Ophichthinae.

1805

:

Typhlotes Fischer [G.] 1813:75 [ref. [1331](#)]. Fem. *Caecilia branderiana* Lacepède 1800 (= *Muraena coeca* Linnaeus 1758). Type by being a replacement name. Replacement

for *Caecilia* Lacepède 1800, preoccupied by *Caecilia* Linnaeus 1758 in Amphibia.

•Synonym of *Apterichtus* Duméril **1806**-- (Blache et al. 1973:248 [ref. [7185](#)], McCosker 1977:65 [ref. [6836](#)], McCosker et al. 1989:318 [ref. [13288](#)], McCosker & Hibino 2015:50 [ref. [33725](#)]). **Current status:** Synonym of *Apterichtus* Duméril

1806. Ophichthidae: Ophichthinae.

1805

:

Verma Jordan [D. S.] & Evermann [B. W.] 1896:372, 374 [ref. [2443](#)].

Fem. *Sphagebranchus kendalli* Gilbert 1891. Type by original designation (also monotypic). •Valid as *Verma* Jordan & Evermann 1896 -- (Blache et al. 1973:250

[ref. [7185](#)], McCosker 1977:65 [ref. [6836](#)]). •Synonym of *Apterichtus* Duméril **1806**-- (McCosker et al. 1989:318 [ref. [13288](#)], McCosker & Hibino 2015:50

[ref. [33725](#)]). **Current status:** Synonym of *Apterichtus* Duméril **1806**. Ophichthidae: Ophichthinae.

1805

:

Hara Blyth [E.] 1860:152 [ref. [477](#)]. Fem. *Hara buchanani* Blyth 1860 (= *Pimelodus hara* Hamilton 1822). Type by original designation. Treated by author as feminine. Type designated as *H. buchanani*, nobis; *Pimelodus hara*, B.H."; Blyth's new name *buchanani* is an unneeded substitute for *P. hara*. •Possibly a synonym of *Erethistes* Müller & Troschel 1849 [?1845] -- (Kottelat 1983:74 [ref. [5289](#)]).

•Synonym of *Erethistes* Müller & Troschel 1849 -- (Thomson & Page 2006:13 [ref. [28859](#)]). •Valid as *Hara* Blyth 1860 -- (Jayaram 1981:245 [ref. [6497](#)], Burgess 1989:132 [ref. [12860](#)], Rahman 1989:225 [ref. [24860](#)], de Pinna 1996:65 [ref. [24146](#)], Vishwanath & Kosygin 2000:143 [ref. [25659](#)], Aatur Rahman 2003:248 [ref. [31338](#)], Ng & Kottelat 2005:20 [ref. [28207](#)], Jayaram 2006:286 [ref. [28762](#)], Ng & Kottelat 2007:471 [ref. [29351](#)], Ferraris 2007:395 [ref. [29155](#)], Anganthoibi & Vishwanath 2009:466 [ref. [30480](#)], Ng 2010:271 [ref. [31110](#)], **Kottelat** 2013:227 [ref. [32989](#)], Mahapatra & Kar 2015:31 [ref. [33837](#)]). **Current status:** Valid as *Hara* Blyth 1860. Erethistidae.

Kottelat

:

Chauliocheilos Martins [F. O.], Andrade [B. N.], Rosa [A. C.] & Langeani [F.] 2014:194 [ref. [33629](#)]. Masc. *Chauliocheilos saxatilis* Martins, Andrade, Rosa & Langeani 2014.

Tye by original designation (also monotypic). •Valid as *Chauliocheilos* Martins, Andrade, Rosa & Langeani 2014. **Current status:** Valid as *Chauliocheilos* Martins, Andrade, Rosa & Langeani 2014. Loricariidae: Hypoptopomatinae.

Type

:

Lepidocharax Ferreira [K. M.], Menezes [N. A.] & Quagio-Grassiotto [I.] 2011:283 [ref. [31387](#)]. Fem. *Lepidocharax diamantina* Ferreira, Menezes & Quagio-Grassiotto

2011. **Tye** by original designation. •Valid as *Lepidocharax* Ferreira, Menezes & Quagio-Grassiotto 2011. **Current status:** Valid as *Lepidocharax* Ferreira, Menezes & Quagio-Grassiotto 2011. Characidae: Stevardiinae.

Type

:

Pseudoscarus Bleeker [P.] 1861:230 [ref. [381](#)]. Masc. *Scarus microrhinos* Bleeker 1854. Type by subsequent designation. Appeared first in Bleeker 1861:70 [ref. [12601](#)] as "*Pseudoscarus psittacus* Blkr." name only; apparently Bleeker was referring to *Scarus*

psittacus" of earlier authors. In 1861:240 [ref. [381](#)] Bleeker referred to *Scarus psittacus* Cantor, while including 41 species in *Pseudoscarus*. If *Pseudoscarus* 1861:70 is regarded as available, then the type is *psittacus* by monotypy; otherwise, type designated by Jordan & Evermann 1898:1655 [ref. [2444](#)]. But Kottelat (2013) states the species is misidentified, and the **Tye** is *Pseudoscarus cantori* Bleeker 1861. •Synonym of *Chlorurus* Swainson 1839 -- (Bellwood 1994:66 [ref. [19116](#)], Parenti & Randall 2000:52 [ref. [24943](#)]). •Synonym of *Scarus* Forsskål 1775 -- (Kottelat 2013:381 [ref. [32989](#)]). **Current status:** Synonym of *Scarus* Forsskål 1775. Scaridae: Scarinae.

Type

:

Eleotris Scopoli [J. A.] 1777:456 [ref. [3990](#)]. Fem. *Gobious pisonis* Gmelin 1789.

Tyoe by subsequent designation. A petition to the ICZN probably is needed to continue the use of *Eleotris* Bloch & Schneider 1801, over the use of Scopoli 1777 (see Kottelat 2013:391 [ref. [32989](#)] after a neotype designation and its use before 1961). •A senior synonym of *Eleotris* Bloch & Schneider 1801 -- (Kottelat 2013:390 [ref. [32989](#)]). **Current status:** Synonym of *Eleotris* Bloch & Schneider 1801. Eleotridae: Eleotrinae.

Type

:

Pseudogobius Popta [C. M. L.] 1922:36 [ref. [3550](#)]. Masc. *Gobius javanicus* Bleeker

1856. **Tyoe** by subsequent designation. Popta included two species, *penango* (described as new) and *javanicus* Bleeker -- neither designated as type. Aurich 1938 independently described *Pseudogobius* (actually he made available *Pseudogobius* Koumans), and Aurich's designation of a type (*javanicus*) does not apply to *Pseudogobius* Popta. If Popta's *javanicus* is not misidentified, then it should be designated type of Popta's genus. *Pseudogobius* Popta should be recognized as valid. See Appendix A in Eschmeyer 1990 [ref. [20647](#)]. •Valid as *Pseudogobius* Popta 1922 -- (Larson 2001:200 [ref. [25522](#)], Larson & Murdy 2001:3591 [ref. [26293](#)], Hoese & Larson 2006:1680 [ref. [29097](#)], Hoese & Larson 2008:768 [ref. [30660](#)], Pezold 2011:95 [ref. [31727](#)], Larson 2011:237 [ref. [31740](#)], Kottelat 2013:422 [ref. [32989](#)], Huang et al. 2014:106 [ref. [33161](#)], Chen et al. 2014:130 [ref. [33159](#)]). **Current status:** Valid as *Pseudogobius* Popta 1922. Gobiidae: Gobionellinae.

Type

:

Mystacoleucus Günther [A.] 1868:206 [ref. [1990](#)]. Masc. *Capoeta padangensis* Bleeker

1852. Type by **monotypic**; as "... of type of the genus agres...". •Valid as *Mystacoleucus* Günther 1868 -- (Wu et al. 1977:272 [ref. [4807](#)], Jayaram 1981:111 [ref. [6497](#)], Kottelat 1985:264 [ref. [11441](#)], Chu & Kottelat 1989:1 [ref. [12575](#)], Roberts 1989:45 [ref. [6439](#)], Chu & Cui in Chu & Chen 1989:225 [ref. [13584](#)], Kottelat 1989:9 [ref. [13605](#)], Shan et al. in Yue et al. 2000:167 [ref. [25272](#)], Kottelat 2013:125 [ref. [32989](#)], Yang et al. 2015:99 [ref. [33694](#)] in Cyprininae, tribe Poropuntiini). **Current status:** Valid as *Mystacoleucus* Günther 1868. Cyprinidae: Cyprininae.

monotypy

:

:

nawaga, Gadus Walbaum [J. J.] (ex Koelreuter) 1792:128 [Petri Artedi sueci genera piscium Part 3; ref. [4572](#)] In mari albo [White Sea, Russia]. Sometimes dated to Koelreuter 1779, Pallas 1811 or Pallas 1814. Listed by Bonnaterre 1788:46 [ref. [4940](#)]

as a synonym of *Gadus callarias* **with with** the vernacular name 'Navaga'. Appeared as *Gadus callarias* var. *nowaga* in Bloch & Schneider 1801:7 [ref. [471](#)]. Walbaum 1792 is the earliest validation of *Gadus nawaga* of Koelreuter (unavailable) that we [RF] can find. •In the genus *Microgadus* -- (Carr et al. 1999:25 [ref. [24219](#)]). •Valid as *Eleginus nawaga* [sic] (Koelreuter 1770) [but sometimes with authorship as Pallas] -- (Berg 1949:956 [ref. [20662](#)], Svetovidov 1973:305 [ref. [7169](#)], Svetovidov in Whitehead et al. 1986:684 [ref. [13676](#)], Cohen in Cohen et al. 1990:36 [ref. [18936](#)], Vasil'eva 1997:791 [ref. [24703](#)], Reshetnikov et al. 1997:747 [ref. [24702](#)], Bogutskaya 1998:110 [ref. [23589](#)], Mecklenburg et al. 2002:293 [ref. [25968](#)]). •Valid as *Eleginus nawaga* (Walbaum 1792) -- (Bogutskaya & Naseka 2004:168 [ref. [28183](#)] with author as Koelreuter 1770, Dolgov 2013:917 [ref. [33112](#)], Parin et al. 2014:173 [ref. [33547](#)]). **Current status:** Valid as *Eleginus nawaga* (Walbaum 1792). Gadidae. Distribution: Arctic and adjacent regions. Habitat: brackish, marine.

with

:

Rubicundus Fernholm [B.], Norén [M.], Kullander [S. O.], Quattrini [A. M.], Zintzen [V.] (**etc.**) 2013:7 [ref. [32793](#)]. *Eptatremus rubicundus* Kuo, Lee & Mok 2010. Type by original designation. •Valid as *Rubicundus* Fernholm, Norén, Kullander, Quattrini, Zintzen, Roberts, Mok, Kuo 2013 -- (Zintzen et al. 2015:376 [ref. [33803](#)]). **Current status:** Valid as *Rubicundus* Fernholm, Norén, Kullander, Quattrini, Zintzen (**etc.**). Myxinidae: Eptatretinae.

et al. – would be better and more consistent.

:

kubanicus, Alburnoides bipunctatus rossicus natio **Bănărescu [P.]** 1964:150 [Zoogeographica, Jena v. 1 (no. 2); ref. [21141](#)] Kuban River drainages. Syntypes: [not listed originally] ZIN 15289 (6), 15292 (1), 15306 (12), 15307 (4), 15307a (1). Also in Berg 1933:803 [ref. [5569](#)] where localities and specimens are given. Not available as above, infrasubspecific; from Laba R. and Kuban River, s. Russia; but treated as available by Coad & Bogutskaya 2009:72 [ref. [30264](#)]. The name actually dates to Bănărescu 1964 -- see Šanda & Mlíkovský 2012:87 [ref. [32221](#)]. •In the synonymy of *Alburnoides bipunctatus* (Bloch 1782) subspecies *rossicus* Berg 1924 -- (Berg 1949:757 [ref. [20661](#)]). •In the synonymy of *Alburnoides bipunctatus* (Bloch 1782) -- (Kottelat 1997:44 [ref. [22952](#)], Bogutskaya 1998:56 [ref. [23589](#)]). •Valid as *Alburnoides kubanicus* Berg 1932 [sic] -- (Coad & Bogutskaya 2009:72 [ref. [30264](#)], Bogutskaya & Coad 2009:138 [ref. [30270](#)], Bogutskaya et al. 2010:467 [ref. [31109](#)]). •Valid as *Alburnoides kubanicus* Bănărescu 1964 -- (Šanda & Mlíkovský 2012:87 [ref. [32221](#)], Turan et al. 2014:101 [ref. [33119](#)]). **Current status:** Valid as *Alburnoides kubanicus* Bănărescu 1964. Cyprinidae: Alburninae. Distribution: Kuban River and its tributaries (Labá, Labenok), Krasnodar Krai, South Federal District, Russia. Habitat: freshwater.

Bănărescu [P. M.]

:

Rubicundus Fernholm [B.], Norén [M.], Kullander [S. O.], Quattrini [A. M.], Zintzen [V.] (**etc.**) 2013:7 [ref. [32793](#)]. *Eptatremus rubicundus* Kuo, Lee & Mok 2010. Type by original designation. •Valid as *Rubicundus* Fernholm, Norén, Kullander, Quattrini, Zintzen, Roberts, Mok, Kuo 2013 -- (Zintzen et al. 2015:376 [ref. [33803](#)]). **Current status:** **Valid as *Rubicundus* Fernholm, Norén, Kullander, Quattrini, Zintzen (etc.). Myxinidae: Eptatretinae.**

, et al.

Valid as *Rubicundus* Fernholm, Norén, Kullander, Quattrini, Zintzen et al. 2013. Myxinidae: Eptatretinae.

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:

Peckoltichthys Miranda Ribeiro [A. de] 1917:49 [ref. [5742](#)]. Masc. *Peckoltichthys filicaudatus* Miranda Ribeiro 1917. Type by monotypy. Regarded by Isbrücker 1980:53 [ref. [2303](#)] as an unneeded replacement for and objective synonym of *Peckoltia* Miranda Ribeiro 1912 with type as *vittatus*, but there is no evidence in the proposal in 1917 that this was a replacement name; type is apparently *filicaudatus* by being a replacement name (by monotypy). •Synonym of *Peckoltia* Miranda Ribeiro 1912 -- (Isbrücker 2002:25 [ref. [27178](#)], Fisch-Muller in Reis et al. 2003:392 [ref. [27061](#)], Armbruster 2004:53 [ref. [27644](#)], Ferraris 2007:283 [ref. [29155](#)], Armbruster 2008:5 [ref. [29740](#)], de Oliveira et al. 2012:548 [ref. [32202](#)]). •Valid as *Peckoltichthys* Miranda Ribeiro 1917 --- (Armbruster et al. 2015:99 [ref. [33670](#)]). **Current status:** Valid as *Peckoltichthys* Miranda Ribeiro **917**. Loricariidae: Hypostominae.

1917

:

Duringlanis (subgenus of *Centromochlus*) Grant [S.] 2015:1 [ref. [33806](#)]. Masc. *Centromochlus perugiaae* Steindachner 1882. Type by original designation.

•**Valid as *Centromochlus* Kner 1858**, but a valid

subgenus *Duringlanis* Grant 2015. **Current status: Valid**

as *Centromochlus* Grant 2015. Auchenipteridae: Centromochlinae.

Synonym of *Centromochlus* Kner 1858

Synonym of *Centromochlus* Kner 1858

:

Balroglanis (subgenus of *Centromochlus*) Grant [S.] 2015:2 [ref. [33806](#)].

Masc. *Centromochlus schultzi* Rössel 1962. Type by original designation. •**Valid**

as *Centromochlus* Kner 1858, but a valid subgenus *Balroglanis* Grant 2015. **Current status:** Synonym of *Centromochlus* Kner 1858. Auchenipteridae:

Centromochlinae.

Synonym of *Centromochlus* Kner 1858

:

Duringlanis (subgenus of *Centromochlus*) Grant [S.] 2015:1 [ref. [33806](#)].

Masc. *Centromochlus perugiaae* Steindachner 1882. Type by original designation.

•**Valid as *Centromochlus* Kner 1858**, but a valid

subgenus *Duringlanis* Grant 2015. **Current status: Valid**

as *Centromochlus* Grant 2015. Auchenipteridae: Centromochlinae.

Synonym of *Centromochlus* Kner 1858

Synonym of *Centromochlus* Kner 1858

:

Ferrarissoaresia (subgenus of *Centromochlus*) Grant [S.] 2015:3 [ref. [33806](#)].

Fem. ***Centromuchlus* meridionalis** Sarmento-Soares, Cabeceira, Carvalho, Zuanon & Akama 2013. Type by original designation (also monotypic). •**Valid**

as *Centromochlus* Kner 1858, but a valid

subgenus *Ferrarissoaresia* Grant 2015. **Current status: Valid**

as *Centromochlus Kner 1858*. Auchenipteridae: Centromochlinae.

Centromochlus

Synonym of *Centromochlus Kner 1858*

Synonym of *Centromochlus Kner 1858*

:

buchanani, Catla Valenciennes [A.] in Cuvier & Valenciennes 1844:411, Pl. 515 [Histoire naturelle des poissons v. 17; ref. [1010](#)] Calcutta, India; Ganges. Valenciennes types: MNHN 0000-2747 (2), 0000-3850 (1), 0000-5414 (2). Type catalog: Bertin & Estève 1948:12 [ref. [19574](#)], but if regarded as a replacement name then the Bertin & Estève specimens are not types. Unneeded new name for *Cyprinus catla* Hamilton 1822. •Synonym of *Catla catla* (Hamilton 1822) -- (Talwar & Jhingran 1991:163 [ref. [20764](#)], Menon 1999:119 [ref. [24904](#)], Bănărescu in **Bănărescu** & Paepke 2002:183 [ref. [25856](#)], Aatur Rahman 2003:157 [ref. [31338](#)]). •Synonym of *Gibelion catala* (Hamilton 1822) -- (Mirza 2003:6 [ref. [27265](#)], Kottelat 2013:107 [ref. [32989](#)]). **Current status:** Synonym of *Gibelion catla* (Hamilton 1822). Cyprinidae: Labeoninae. Habitat: freshwater, brackish.

Bănărescu

:

catla, Cyprinus Hamilton [F.] 1822:287, 387, Pl. 13 (fig. 81) [An account of the fishes found in the river Ganges; ref. [2031](#)] Rivers and tanks of Bengal. No types known. •Valid as *Catla catla* (Hamilton 1822) -- (Shrestha 1978:35 [ref. [15970](#)], Aatur Rahman 1989:138 [ref. [24860](#)], Talwar & Jhingran 1991:163 [ref. [20764](#)], Pethiyagoda 1991:58 [ref. [20075](#)], Indra 1991:236 [ref. [24005](#)], Sen 1995:501 [ref. [23778](#)], Coad 1996:84 [ref. [25304](#)], Banik & Choudhury 1996:579 [ref. [24736](#)], Rema Devi & Raghunathan 1999:150 [ref. [24759](#)], Rema Devi & Raghunathan 1999:168 [ref. [24760](#)], Rema Devi et al. 1999:155 [ref. [24758](#)], Menon 1999:119 [ref. [24904](#)], Raju Thomas et al. 2000:444 [ref. [25319](#)], Karmakar 2000:28 [ref. [25662](#)], Bănărescu in **Bănărescu** & Paepke 2002:183 [ref. [25856](#)], Raju Thomas et al. 2002:49 [ref. [26359](#)], Yadav 2003:9 [ref. [27711](#)], Aatur Rahman 2003:157 [ref. [31338](#)], Shrestha 2008:57 [ref. [29923](#)], Gurung et al. 2013:4882 [ref. [32969](#)]). •Valid as *Gibelion catla* (Hamilton 1822) -- (Rafique 2000:323 [ref. [25220](#)], Mirza 2003:6 [ref. [27265](#)], Kottelat 2013:107 [ref. [32989](#)]). **Current status:** Valid as *Gibelion catla* (Hamilton 1822). Cyprinidae: Labeoninae. Distribution: Nepal, Bhutan, India, Bangladesh and Pakistan. Habitat: freshwater, brackish.

Bănărescu

:

bramioides, Cyprinus Sykes [W. H.] 1839:158 [Proceedings of the Zoological Society of London 1838 (pt 6); ref. [18720](#)] Deccan, India. No types known. Appeared first as above, then in Sykes 1839:55 [ref. [4306](#)]; more complete treatment in Sykes 1841:353, Pl. 61 (fig. 2) [ref. [18868](#)]. •Synonym of *Catla catla* (Hamilton 1822) -- (Menon 1999:119 [ref. [24904](#)], Bănărescu in **Bănărescu** & Paepke 2002:183 [ref. [25856](#)]). •Synonym of *Gibelion catla* (Hamilton 1822). **Current status:** Synonym of *Gibelion catla* (Hamilton 1822). Cyprinidae: Labeoninae. Habitat: freshwater, brackish.

Bănărescu

:

achira, Synaptura Duncher [G.] 1904:168 [Mitteilungen aus dem Naturhistorischen (Zoologischen) Museum in Hamburg v. 21; ref. [5560](#)] Sukakarta, Java, Indonesia. Lectotype: part of RMNH 6711. Lectotype designated by Kottelat (2013). •Synonym of *Achirodes leyciorhynchos* Bleeker 1851 -- (Kottelat 2013:463 [ref. [32989](#)]). **Current status:** Synonym of *Achirodes leucorhynchos* Bleeker 1851.

Soleidae. Habitat: freshwater.

Duncker

:

menoni, *Hypselobarbus Arunachalum* [M.], Chinnaraja [S.], Chandran [A.] & Mayden [R. L.] 2014:84, Fig. 5E [Species 11 (31); ref. [33598](#)] Periyar River at Mieppara, 12 km east of Thannikuda Forest, Kerala, India. Holotype: ZSI/SRC F4011. Paratypes: ZSI/SRC F4011 (2). •Valid as *Hypselobarbus menoni Arunachalum*, Chinnaraja, Chandran & Mayden 2014. **Current status:** Valid as *Hypselobarbus menoni Arunachalum*, Chinnaraja, Chandran & Mayden 2014. Cyprinidae: Cyprininae. Distribution: Periyar River, Kerala, India. Habitat: freshwater.

Arunachalam

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tamiraparaniei, *Hypselobarbus Arunachalum* [M.], Chinnaraja [S.], Chandran [A.] & Mayden [R. L.] 2014:81, Fig. 5A & B [Species 11 (31); ref. [33598](#)] Manimuthar River, a tributary of Tamiraparani drainage at Aladiyur, before confluence with Tamiraparani River, south Tamil Nadu, India. Holotype: ZSI/SRC F8758/1. Paratypes: CMA 40 (9), 41 (5); MSUMNH 89 (1), 90 (1). •Valid as *Hypselobarbus tamiraparaniei Arunachalum*, Chinnaraja, Chandran & Mayden 2014. **Current status:** Valid as *Hypselobarbus tamiraparaniei Arunachalum*, Chinnaraja, Chandran & Mayden 2014. Cyprinidae: Cyprininae. Distribution: Manimuthar River, India. Habitat: freshwater.

Arunachalam

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vaigaiensis, *Hypselobarbus Arunachalum* [M.], Chinnaraja [S.], Chandran [A.] & Mayden [R. L.] 2014:83, 5D [Species 11 (31); ref. [33598](#)] Periyar Tiger Reserve, Kerala, India. Holotype: ZSI/SRC F8757/1. Paratypes: CMA, MSUMNH, ZSI/SRC. •Valid as *Hypselobarbus vaigaiensis Arunachalum*, Chinnaraja, Chandran & Mayden 2014. **Current status:** Valid as *Hypselobarbus vaigaiensis Arunachalum*, Chinnaraja, Chandran & Mayden 2014. Cyprinidae: Cyprininae. Distribution: Periyar Tiger Reserve, Kerala, India. Habitat: freshwater.

Arunachalam

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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-Alzate et al.** 2013:860 [ref. [32692](#)], Lima et al. 2014:177 [ref. [33535](#)], Ohara & Lima 2015:570 [ref. [33846](#)]). **Current status:** Valid as *Hyphessobrycon agulha* Fowler 1913. Characidae: Pristellinae. Distribution: Brazil, Colombia and Peru. Habitat: freshwater.

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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.

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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](#)]). **Current status:** Valid as *Hyphessobrycon compressus* (Meek 1904). Characidae: Pristellinae. Distribution: Papaloapam River basin: Belize and Mexico. Habitat: freshwater.

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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.

García-Alzate

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fernandezi, *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 fernandezi* 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 fernandesi* Fernández-Yépez 1972. Characidae: Pristellinae. Distribution: Coastal Caribbean drainages of Venezuela and the Orinoco River basin: Colombia and Venezuela. Habitat: freshwater.

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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.

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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 Comodoro 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.

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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.

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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 Comodoro 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-Alzate 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.

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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-Alzate 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.

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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-Alzate 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.

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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-Alzate 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.

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taphorni, *Hyphessobrycon* García-Alzate [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.

García-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.

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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); MHNS 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.

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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.

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cajamarcaensis, *Astroblepus* Ardila **Rodríguez** [C. A.] 2013:9, Fig. 7 [ref. [33722](#)] Departamento de Cajamarca. Caserío Toldopata, río Grande, Perú, elevation 3282 meters. Holotype: MUSM 46923. Paratypes: CAR, MUSM. •Valid as *Astroblepus cajamarcaensis* Ardila **Rodríguez** 2013 -- (Ardila Rodríguez 2014:3 [ref. [33721](#)] with parentheses around author, Ardila Rodríguez 2014:5 [ref. [33776](#)]). **Current status:** Valid as *Astroblepus cajamarcaensis* Ardila **Rodríguez** 2013. Astroblepidae. Distribution: Andes of Peru. Habitat: freshwater.

Rodríguez

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carinata, *Hirtella* Pereira [E. H. L.], Zanata [A.], Cetra [M.] & **Reiz** [R. E.] 2014:674, Figs. 1-2 [Copeia 2014 (no. 4); ref. [33601](#)] Bahia, Camacan, Riacho Braço do Sul, tributary to Rio Panelão, lower Rio Pardo drainage, Brazil, 15°25'17"S, 39°34'01"W, elevation 300 meters. Holotype: MCP 48127. Paratypes: AMNH, MCP, MZUSP, UFBA. •Valid as *Hirtella carinata* Pereira, Zanata, Cetra & Reis 2014 **Current status:** Valid as *Hirtella carinata* Pereira, Zanata, Cetra & Reis 2014. Loricariidae: Neoplecostominae. Distribution: Riacho Braço do Sul tributaries, Brazil. Habitat: freshwater.

Reis

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cetaceus, *Sparus* **Cabrera, Pérez [A.] & Haenseler [F.]** in Graells 1887:179 [Revista de los Progresos de las Ciencias Exactas, Físicas y Naturales, Madrid v. 22 (no. 3); ref. [30438](#)] Western Andalusia, near Cádiz, Spain, eastern Atlantic. Name only, not available. See also *Sparus cetaceus* Cabrera, Pérez & Haenseler 1817, possibly an unpublished work. •In the synonymy of *Mugil cephalus* Linnaeus 1758 -- (Kottelat 2013:282 [ref. [32989](#)]). **Current status:** Synonym of *Mugil cephalus* Linnaeus 1758. Mugilidae.

Cabrera [A.], Pérez [L.] & Haenseler [F.]

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chryseus, *Systemus* **Plamootti** [M.] 2014:140, Fig. 12 [International Journal of Fauna and Biological Studies v. 1 (no. 6); ref. [33650](#)] Keezhvaipur, Manimala River, Kerala, India. Holotype: ZSI/FF 4625. Paratypes: ZSI/WGRC/IR/V. •Valid as *Systemus chryseus* **Plamootti** 2014. **Current status:** Valid as *Systemus chryseus* Plamootti 2014. Cyprinidae: Cyprininae. Distribution: Manimala River, India. Habitat: freshwater.

Plamoottil

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chrysopoma, *Barbus* Valenciennes [A.] in Cuvier & Valenciennes 1842:165, Pl. 466 [Histoire naturelle des poissons v. 16; ref. [1009](#)] Coast of Malabar, India. Syntypes: MNHN 0000-5776 (2). Type catalog: Bertin & Estève 1948:24 [ref. [19574](#)]. •Synonym of *Barbodes sarana* (Hamilton 1822), subspecies *subnasutus* (Valenciennes 1842) -- (Menon 1999:72 [ref. [24904](#)]). •Synonym of *Puntius sarana* (Hamilton 1822). •Synonym of *Systemus sarana* (Hamilton 1822) -- (Kottelat 2013:166 [ref. [32989](#)]). •Valid as *Barbus chrysopoma* Valenciennes 1842 -- (**Plamootti** 2014:145 [ref. [33650](#)]). **Current status:** Valid as *Barbus chrysopoma* Valenciennes 1842. Cyprinidae: Cyprininae. Distribution: India. Habitat: freshwater, brackish.

Plamoottil

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nelsoni, Puntius Plamootti [M.] 2014:136, Figs. 1-3 [International Journal of Fauna and Biological Studies v. 1 (no. 6); ref. [33650](#)] Kallumkal, Manimala River, Kerala, India, 9°20'00"N, 76°30'00"E. Holotype: ZSI/WGRC/IR/2353. Paratypes: ZSI/WGRC/IR. •Valid as *Puntius nelsoni* **Plamootti** 2014. **Current status:** Valid as *Puntius nelsoni* Plamootti 2014. Cyprinidae: Cyprininae. Distribution: Kerala, India. Habitat: freshwater.

Plamoottil

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orphoides, Barbus Valenciennes [A.] in Cuvier & Valenciennes 1842:193 [Histoire naturelle des poissons v. 16; ref. [1009](#)] Java, Indonesia. No types known. Type information: Roberts 1993:21-22 [ref. [21799](#)]. Simultaneous synonym of *Barbus rubripinnus* Valenciennes 1842; Bleeker 1860:338 gave preference to *rubripinnis*. •Synonym of *Puntius sarana* (Hamilton 1822), but a valid subspecies -- (Talwar & Jhingran 1991:282 [ref. [20764](#)], Arunkumar & Tombi Singh 1998:256 [ref. [24931](#)], Arunachalam & Sankaranarayanan 1999:336 [ref. [24216](#)], Karmakar 2000:29 [ref. [25662](#)]). •Synonym of *Barbodes sarana* (Hamilton 1822), but a valid subspecies -- (Menon 1999:69 [ref. [24904](#)]). •Valid as *Puntius orphoides* (Valenciennes 1842) -- (Roberts 1993:21 [ref. [21799](#)], Kottelat et al. 1993:43 [ref. [23448](#)], Kottelat & Lim 1995:233 [ref. [23210](#)], Doi 1997:11 [ref. [22832](#)], Doi 2000:396 [ref. [25097](#)], Kottelat 2001:74 [ref. [25780](#)], Vishwanath & Laisram 2004:136 [ref. [27863](#)], Shantakumar & Vishwanath 2006:2279 [ref. [28676](#)]). •Valid as *Systemus orphoides* (Valenciennes 1842) -- (Rainboth 1996:104 [ref. [22772](#)], Parenti & Lim 2005:186 [ref. [28285](#)], Pethiyagoda et al. 2012:77 [ref. [32071](#)], **Plamootti** 2014:145 [ref. [33650](#)]). **Current status:** Valid as *Systemus orphoides* (Valenciennes 1842). Cyprinidae: Cyprininae. Distribution: Europe and Asia; introduced elsewhere. Habitat: freshwater.

Plamoottil

:

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 *Systemus sarana* (Hamilton 1822) -- (Kottelat 2013:167 [ref. [32989](#)]). •Valid as *Puntius pinnauratus* (Day 1865) **Plamootti** 2014:145 [ref. [33650](#)]). **Current status:** Valid as *Puntius pinnauratus* (Day 1865). Cyprinidae: Cyprininae. Distribution: India. Habitat: freshwater, brackish

Plamoottil

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rufus, Systemus Plamootti [M.] 2014:142, Fig. 17 [International Journal of Fauna and Biological Studies v. 1 (no. 6); ref. [33650](#)] Venpala, Manimala River, Kerala, India. Holotype: ZSI/WGRC/IR/2367. Paratypes: ZSI/WGRC/IR/2368 (1). •Valid as *Systemus*

rufus **Plamootti** 2014. **Current status:** Valid as *Systemus rufus* **Plamootti** 2014. Cyprinidae: Cyprininae. Distribution: Manimala River, India. Habitat: freshwater. **Plamootti**

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sarana, Cyprinus Hamilton [F.] 1822:307, 388 [An account of the fishes found in the river Ganges; ref. [2031](#)] Ponds and rivers of Bengal. No types known. •Valid as *Puntius sarana* (Hamilton 1822), subspecies *sarana* -- (Karmakar 2000:29 [ref. [25662](#)], Shetha 2008:80 [ref. [29923](#)], Gurung et al. 2013:4882 [ref. [32969](#)]). •Valid as *Barbodes sarana* (Hamilton 1822) -- (Rema Devi & Raghunathan 1999:150 [ref. [24759](#)], Rema Devi & Raghunathan 1999:167 [ref. [24760](#)], Rema Devi et al. 1999:155 [ref. [24758](#)], Menon 1999:70 [ref. [24904](#)], Rafique 2000:323 [ref. [25220](#)], Yadav 2003:13 [ref. [27711](#)], Aatur Rahman 2003:145 [ref. [31338](#)]). •Valid as *Puntius sarana* (Hamilton 1822) -- (Shrestha 1978:36 [ref. [15970](#)], Aatur Rahman 1989:126 [ref. [24860](#)], Coad 1981:11 [ref. [22348](#)], Pethiyagoda 1991:113 [ref. [20075](#)], Talwar & Jhingran 1991:283 [ref. [20764](#)], Indra 1991:239 [ref. [24005](#)], Sen 1995:515 [ref. [23778](#)], Doi 1997:11 [ref. [22832](#)], Vu & Nguyen 1997:26 [ref. [26438](#)], Arunkumar & Tombi Singh 1998:256 [ref. [24931](#)], Manimekalan 1998:436 [ref. [24989](#)], Arunachalam & Sankaranarayanan 1999:336 [ref. [24216](#)], Bijukumar & Sushama 2000:185 [ref. [25703](#)], Arunkumar & Tombe Singh 2003:481 [ref. [26926](#)], Rafique et al. 2003:97 [ref. [27173](#)], Vishwanath & Laisram 2004:136 [ref. [27863](#)], Shantakumar & Vishwanath 2006:2279 [ref. [28676](#)]). •Valid as *Systemus sarana* (Hamilton 1822) -- (Mirza 2003:9 [ref. [27265](#)], Pethiyagoda et al. 2012:77 [ref. [32071](#)], Kottelat 2013:166 [ref. [32989](#)], **Plamootti** 2014:145 [ref. [33650](#)]). **Current status:** Valid as *Systemus sarana* (Hamilton 1822). Cyprinidae: Cyprininae. Distribution: Asia: Nepal, Bhutan, India, Myanmar, Pakistan, Bangladesh and Sri Lanka. Habitat: freshwater, brackish.

Plamootti

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spilurus, Barbus Günther [A.] 1868:114 [Catalogue of the fishes in the British Museum v. 7; ref. [1990](#)] Sri Lanka. Syntypes: BMNH 1852.2.19.124 (1), 1858.10.19.86-91 (6), 1859.5.31.47 (1). •Synonym of *Puntius sarana* (Hamilton 1822), but a valid subspecies -- (Talwar & Jhingran 1991:284 [ref. [20764](#)]). •Synonym of *Puntius sarana* (Hamilton 1822) -- (Kottelat 2013:167 [ref. [32989](#)]). •Valid as *Systemus spilurus* (Günther 1868) -- (Pethiyagoda et al. 2012:77 [ref. [32071](#)], **Plamootti** 2014:145 [ref. [33650](#)]). **Current status:** Valid as *Systemus spilurus* (Günther 1868). Cyprinidae: Cyprininae. Distribution: Sri Lanka. Habitat: freshwater, brackish.

Plamootti

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subnasutus, Barbus Valenciennes [A.] in Cuvier & Valenciennes 1842:154 [Histoire naturelle des poissons v. 16; ref. [1009](#)] Pudukcherry [Ponducherry], India. Holotype (unique): MNHN 0000-3823. Type catalog: Bertin & Estève 1948:24 [ref. [19574](#)]. •Synonym of *Puntius sarana* (Hamilton 1822), but a valid subspecies -- (Talwar & Jhingran 1991:285 [ref. [20764](#)], Indra 1993:184 [ref. [24009](#)], Rema Devi 1993:198 [ref. [24010](#)], Indra 1994:416 [ref. [24015](#)], Manimekalan 1998:436 [ref. [24989](#)], Arunachalam et al. 2001:128 [ref. [25692](#)], Bijukumar & Sushama 2000:185 [ref. [25703](#)]). •Synonym of *Barbodes sarana* (Hamilton 1822), but a valid subspecies -- (Rema Devi et al. 1996:132 [ref. [24021](#)], Rema Devi & Raghunathan 1999:150 [ref. [24759](#)], Rema Devi & Raghunathan 1999:167 [ref. [24760](#)], Rema Devi et al.

1999:155 [ref. [24758](#)], Menon 1999:70 [ref. [24904](#)], Raju Thomas et al. 2000:444 [ref. [25319](#)], Raju Thomas et al. 2002:49 [ref. [26359](#)], Yadav 2003:13 [ref. [27711](#)].
•Synonym of *Puntius sarana* (Hamilton 1822). •Synonym of *Systomus sarana* (Hamilton 1822) -- (Kottelat 2013:166 [ref. [32989](#)]). •Valid as *Systomus*

subnasutus (Valenciennes 1842) -- (**Plamootti** 2014:145 [ref. [33650](#)]). **Current status:** Valid as *Systomus subnasutus* (Valenciennes 1842). Cyprinidae: Cyprininae. Distribution: India. Habitat: freshwater

Plamoottil.

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jyaensis*, *Pseudolaguvia Tamang [B.] & Sinha [B.] 2014:45, Figs. 5-6 [Zootaxa 3887 (no. 1); ref. [33583](#)] Aranachal Pradesh, Lower Dibang Valley District, Jiya stream, near Bolik village, approx. 14 km from Roing towards Shantipur, Assam, India, 28°00.377'N, 95°45.562'E, depth 149 meters. Holotype: ZSI/V/APRC/P-1034. Paratypes: ZSI/V/APRC/P-1035 (15). •Valid as *Pseudolaguvia jyaensis* Tamang & Sinha 2014. **Current status:** Valid as *Pseudolaguvia jyaensis* Tamang & Sinha 2014. Erethistidae. Distribution: Assam, India. Habitat: freshwater.

Tamang [L.]

:

kanazawai*, *Ammodytoides Shubukawa [K.] & Ida [H.] 2013:26, Figs. 1-3 [Bulletin of the National Museum of Nature and Science (Ser. A) Suppl. No. 7; ref. [32579](#)] Off southern Chichi-jima Island, Ogasawara Islands, Japan, 27°1.74'N - 27°1.78'N, 142°12.48'E - 142°12.62'E, depth 95-99 meters. Holotype (unique): NSMT-P 48606. •Valid as *Ammodytoides kanazawai* Shubukawa & Ida 2013. **Current status:** Valid as *Ammodytoides kanazawai* **Shubukawa** & Ida 2013. Ammodytidae. Distribution: Ogasawa Islands, Japan. Habitat: marine.

Shibukawa

:

khawbung*, *Garra Arunachelam [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*

khawbung **Arunachelam**, Nangagopal & Mayden 2014. **Current status:** Valid as *Garra khawbung* **Arunachelam**, Nangagopal & Mayden 2014. Cyprinidae: Labeoninae. Distribution: Mizoram, India Habitat: freshwater.

Arunachalam

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tyao*, *Garra Arunachelam [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* **Arunachelam**, Nangagopal & Mayden 2014. **Current status:** Valid as *Garra tyao* **Arunachelam**, Nangagopal & Mayden 2014. Cyprinidae: Labeoninae. Distribution: Mizoram, India. Habitat: freshwater.

Arunachalam

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macrocephalus*, *Glossogobius Hoeae [D. F.] & Allen [G. R.] 2015:203, Figs. 2a, 3-4 [Zootaxa 3986 (no. 2); ref. [33880](#)] Creek 4 km east of Lake Tebera, New Guinea, 6°45'S, 144°39'E. Holotype: WAM P.26972-004. Paratyeps: AMS, WAM. •Valid as *Glossogobius macrocephalus* Hoese & Allen 2015. **Current status:** Valid as *Glossogobius macrocephalus* Hoese & Allen 2015. Gobiidae: Gobiinae. Distribution:

New Guinea. Habitat: freshwater.

Hoese

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manibuii, *Melanotaenia* Kadarusman [M. F. I.], Slembrouck [J.] & Pouyaud [F.] in Nugraha et al. 2015 2015 [Cybium v. 39 (no. 2); ref. [33872](#)] Birds Head region. West Papua, Indonesia. Holotype. •Valid as *Melanotaenia manibuii* Kadarusman, Slembrouck & Pouyaud 2015. **Current status:** Valid as *Melanotaenia manibuii* Kadarusman, Slembrouck & Pouyaud 2015. Melanotaeniidae. Distribution: West Papua, Indonesia. Habitat: freshwater.

Kadarusman [no initials], Slembrouck [J.] & Pouyaud [L.]

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munduruku, *Bryconops* Silva-Olivera [C.], Canto [A. L. C.], Ribeiro [F. R. V.] 2015:134, Figs. 1-3 [Zootaxa 3994 (no. 1); ref. [33906](#)] Pará State, Aveiro, igarapé Açu, tributary of the right margin of the Tapajós River, about 10 km of the city of Aveiro, 0336'0.99"S 5514'59.14"W,,Brazil. Holotype: INPA 46510. Paratypes: INPA, CP, UFOPA. •Valid as *Bryconops munduruku* Silva- **Olivera**, Canto & Ribeiro 2015. **Current status:** Valid as *Bryconops munduruku* Silva- **Olivera**, Canto & Ribeiro 2015. Characidae. Distribution: Trapajós River drainage, Brazil. Habitat: freshwater.

Oliveira

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mexicana, *Squatina* Castro-Aguirre [J. L.], Espinosa Pérez [H.] & Huidobro Campos [L. H.] 2007:1032, Figs. 1-4 [Revista de Biología Tropical v. 54 (no. 3) [for Sept. 2006]; ref. [29408](#)] Off Tamaulipas, 22°58'05"N, 97°28'07"W, depth 71 meters. Holotype: IBUNAM-P 8306. Paratypes: IBUNAM-P 11136 (2), P-12723 (1), 12724 (1). •Valid as *Squatina mexicana* Castro-Aguirre, Espinosa Pérez & Campos 2007 -- (Castro 2011:172 [ref. [31457](#)], Page et al. 2013:54 [ref. [32708](#)], Vas & Carvalho 2013:74 [ref. [32825](#)]). **Current status:** Valid as *Squatina mexicana* Castro-Aguirre, Espinosa Pérez & Huidobro Campos 2007. Squatinidae. Distribution: Off Mexico, Gulf of Mexico. Habitat: marine.

Huidobro Campos [L.]

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munduruku, *Bryconops* Silva-Olivera [C.], Canto [A. L. C.], Ribeiro [F. R. V.] 2015:134, Figs. 1-3 [Zootaxa 3994 (no. 1); ref. [33906](#)] Pará State, Aveiro, igarapé Açu, tributary of the right margin of the Tapajós River, about 10 km of the city of Aveiro, 0336'0.99"S 5514'59.14"W,,Brazil. Holotype: INPA 46510. Paratypes: INPA, CP, UFOPA. •Valid as *Bryconops munduruku* **Silva-Olivera**, Canto & Ribeiro 2015. **Current status:** Valid as *Bryconops munduruku* **Silva-Olivera**, Canto & Ribeiro 2015. Characidae. Distribution: Trapajós River drainage, Brazil. Habitat: freshwater.

Silva-Oliveira

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nigricauda, *Garra* Arunachlam [M.], Nandagopal [S.] & Mayden [R. L.] 2013:131, Fig. 8 [Journal of Fisheries and Aquaculture. v. 4 (no. 3); ref. [33196](#)] Suang River, near Pagsighat, Arunachal Pradesh, India, 27°55'22"N, 95°05'54"E. Holotype: ZSI/SRS F8580. Paratypes: MSUMNH 61 (5), CMA (9). •Valid as *Garra nigricauda* **Arunachlam**, Nandagopal & Mayden 2013 -- (Arunachalam et al. 2014:65 [ref. [33404](#)], Arunachalam & Nandagopal 2014:49 [ref. [33405](#)]). **Current**

status: Valid as *Garra nigricauda* **Arunachlam**, Nandagopal & Mayden 2013.
Cyprinidae: Labeoninae. Distribution: Suang River, India. Habitat: freshwater.

Arunachalam

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nigronotus, **Puntius Plumoottil** [M.] 2014:1584, Figs. 1-3 [Journal of Research in Biology v. 4 (no. 8); ref. [33648](#)] Kerula, Mananthavady River, India. Holotype (unique): ZSI FF 5285. •Valid as *Puntius nigronotus* **Plumoottil** 2014. -- (Plamoothil 2015:00 [ref. [33866](#)]). **Current status:** Valid as *Puntius nigronotus* **Plumoottil** 2014.
Cyprinidae: Cyprininae. Distribution: Kerula, India. Habitat: freshwater.

Plamoottil

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polylepis, **Vanmanenia** Pan [J.], Liu [C.] & **Zhang** [W.] 1983:107 [English p. 108], Fig. 2 [Journal of the Hua Nan Teacher's Univ., Nat. Sci. Ed. 1983 (no. 2); ref. [21354](#)] Beijiang River, Guangdong, China. Holotype: DBSCNU 3194. Paratypes: DBSCNU 3218 (1). Original genus should have been *Vanmanenia*. •Synonym of *Vanmanenia pingchowensis* (Fang 1935) -- (Zheng et al. 1989:246 [ref. [21202](#)], Zheng in Pan et al. 1991:267 [ref. [23876](#)], Chen & Tang in Yue 2000:456 [ref. [25272](#)], Kottelat 2012:72 [ref. [32367](#)]). •Valid as *Vanmanenia polylepis* Pan, Liu & **Zhang** 1983 -- (Yi et al. 2014:94 [ref. [33322](#)]). **Current status:** Valid as *Vanmanenia polylepis* Pan, Liu & **Zhang** 1983. Balitoridae. Distribution: Guangdong, China. Habitat: freshwater.

Zheng

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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. Centranchidae.
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