Revised 21 March 2024 COMMENTS

Order CYPRINIFORMES

Freshwater Gudgeons

Family **GOBIONIDAE**

Bleeker 1863



Biwia yodoensis, mature male, 57.8 mm SL. From: Kawase, S. and K. Hosoya. 2010. Biwia yodoensis, a new species from the Lake Biwa / Yodo River basin, Japan (Teleostei: Cyprinidae). Ichthyological Exploration of Freshwaters 21 (1): 1–7.

Subfamily GOBIONINAE

Bleeker 1863

Abbottina

Jordan & Fowler 1903

-ina (L.), belonging to: American zoologist James Francis Abbott (1876–1926), Japanese Military Academy at Etajima, who assisted the senior author and John Otterbein Snyder in collecting fishes in Japan

Abbottina binhi Nguyen 2001 in honor of Bình Nguyén, who helped Nguyen collect holotype¹



Abbotina binhi. From: Nguyen, V. H. and S. V. Ngô. 2001. Cá nuóc ngot Viêt Nam. Tấp I. Ho cá chép (Cyprinidae). [Freshwater fishes of Viet Nam. Volume I. Family Cyprinidae]. Nhà Xuât Ban Nông Nghiệp [Agriculture Publishing House], Hanoi. 1–622.

Abbottina lalinensis Huang & Li 1995 -*ensis*, Latin suffix denoting place: Lalin, Heilongjiang Province, China, type locality [may belong in $Micro-physogobio^2$]

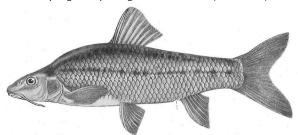
Abbottina rivularis (Basilewsky 1855) Latin for of a small brook or rivulet, "occurring in the pools of a brook" (translation)

Acanthogobio

Herzenstein 1892

acanthus (L.), from ákantha (Gr. ἄκανθα), thorn, referring to strong osseus spine on dorsal fin, i.e., a spiny or thorny *Gobio*

Acanthogobio guentheri Herzenstein 1892 in honor of German-born British ichthyologist-herpetologist Albert Günther (1830–1914)



Possibly first-published image of *Acanthogobio guentheri*, 85 years after its description. From: Lu, Y.-L., P.-Q. Luo and Y.-Y. Chen. 1977. Gobioninae. Pp. 439-549, Pls. 66-102. *In*: X.-W. Wu (ed.) The cyprinid fishes of China. Vol. 2. Science Press, Peking.

Biwia

Jordan & Fowler 1903

-ia (L. suffix), belonging to: Lake Biwa, where B. zezera occurs

Biwia springeri (Bănărescu & Nalbant 1973) in honor of American ichthyologist Victor G. Springer (1928–2022), U.S. National Museum, who collected holotype

Biwia tama Oshima 1957 named for Tama River, Denyenchofu, Japan, type locality

Biwia yodoensis Kawase & Hosoya 2010 *-ensis*, Latin suffix denoting place: Yodo River basin (including Lake Biwa), Japan, where it is endemic

Biwia zezera (Ishikawa 1895) Japanese name of a small minnow from Zeze, a village near Lake Biwa, type locality

 $^{^{1}}$ Ngo Sy Van, Research Institute for Aquaculture No. 1, Bắc Ninh, Vietnam, pers. comm.

 $^{^2}$ Huan, H.-E., Y.-H. Li, K. Cao, M.-Y. Li and C.-Z. Fu. 2017. Taxonomy and phylogenetic relationships of the genus Abbottina fishes in the subfamily Gobionidae. Acta Hydrobiologica Sinica 41 (4): 843–852.

Gobio

Cuvier 1816

tautonymous with *Cyprinus gobio* Linnaeus 1758, from the Greek *kóttos* (κόττος), *kṓthos* (κῶθος) and a few similar words, denoting a bulging head, used as a name for small freshwater fishes with a large head (*Gobius*, goby, and *Cottus*, sculpin, which some early naturalists conflated with freshwater gudgeons, have the same etymological source)

Gobio acutipinnatus Men'shikov 1939 acutus (L.), sharp or pointed; pinnatus (L.), winged or finned, referring to its more-pointed pectoral and ventral fins compared with *G. q. qobio*

Gobio alverniae Kottelat & Persat 2005 of Alvernia, a Roman province inhabited by the Arverne tribe, approximately corresponding to the Auvergne region of France (Dept. Haute-Lorie), type locality

Gobio artvinicus Turan, Japoshvili, Aksu & Bektaş 2016 -icus (L.), belonging to: Artvin, Turkey, city and eponymous province, type locality

Gobio balcanicus Dimovski & Grupche 1977 -icus (L.), belonging to: Balkan Peninsula, where type locality (Vardar River basin of North Macedonia), is situated

Gobio baliki Turan, Kaya, Bayçelebi, Aksu & Bektaş 2017 in honor of ichthyologist Süleyman Balik, for his contributions to the knowledge of Turkish fishes

Gobio brevicirris Fowler 1976 brevis (L.), short; cirris, (L.), tuft of hair or fringe, referring to shorter barbels (reaching to, not beyond, anterior eye margin) compared with Black and Caspian Sea basin congeners (name coined by Berg in 1914 but not validly published)

Gobio bulgaricus Drensky 1926 -icus (L.), belonging to: Bulgaria, where type locality (Maritsa, a village) is situated

Gobio carpathicus Vladykov 1925 *-icus* (L.), belonging to: Carpathian Mountain region of Central Europe, where it occurs

Gobio caucasicus Kamensky 1901 -icus (L.), belonging to: northern Caucasus region (or Caucasia), where type locality (Rioni River basin, Georgia) is situated

Gobio coriparoides Nichols 1925 -oides, Neo-Latin from eídos (Gr. είδος), form or shape: Coripareius (=Coreius), into which Nichols was "tempted to place this species ... were its teeth not typical of Gobio"

Gobio cynocephalus Dybowski 1869 dog-headed, from *kynós* (Gr. κυνός), genitive of $k\acute{y}\bar{o}n$ (κύων), dog, and $kephal\acute{e}$ (Gr. κεφαλή), head, allusion not explained, probably referring to its long snout

Gobio fahrettini Turan, Kaya, Bayçelebi, Aksu & Bektas 2018 in honor of zoologist Fahrettin Küçük, Süleyman Demirel University, for his contribution to the knowledge of fishes in Turkey

Gobio feraeensis Stephanidis 1973 -ensis, Latin suffix denoting place: Ferae, ancient town that once stood at type locality, ~25 km away from Velestinon, Greece

Gobio fushunensis Xie, Li & Xie 2007 -ensis, Latin suffix denoting place: Fushun, Liaoning Province, China, where type locality (Hun He ["Muddy"] River) is situated

Gobio gobio (Linnaeus 1758) from the Greek *kóttos* (κόττος), *kóthos* (κῶθος) and a few similar words, denoting a bulging head, used as a name for small freshwater fishes with a large head (*Gobius*, goby, and *Cottus*, sculpin, which some early naturalists conflated with freshwater gudgeons, have the same etymological source)

Gobio gymnostethus Ladiges 1960 gymnós (Gr. γυμνός), bare or naked; stḗthos (Gr. στῆθος), breast or chest, referring to "mostly" (translation) scaleless throat

Gobio hettitorum Ladiges 1960 -orum, commemorative suffix (L.), plural: etymology not explained but probably referring to the Hittites (Latin: Hetthaei), an ancient Anatolian culture (~1750–1180 BC), presumably referring to its distribution in south-central Turkey



Gobio balcanicus. From: Dimovski, A. and R. Grupčel 1977. Études morphologica-systématiques du genre Gobio (Pisces, Cyprinidae) en Macédoine. 4. Gobio gobio balcanicus n. ssp. de la rivière Vardar. Godishen Zbornik Biologija Fakultet na Univerzitetot Kirli I Metodij Skopje" 30: 79–106.

Gobio holurus Fowler 1976 full-tailed, from hólos (Gr. ὅλος), entire or whole, and urus, from ourá (Gr. οὑρά), tail, referring to less emarginated (slightly forked) caudal fin compared with G. lepidolaemus

Gobio huanghensis Luo, Le & Chen 1977 -ensis, Latin suffix denoting place: Huang He (Yellow River), which runs through Lanzhou, Gansu Province, China, type locality

Gobio insuyanus Ladiges 1960 -anus (L.), belonging to: Insuyu Creek, Cihanbeyli, Turkey, type locality

Gobio intermedius Battalgil 1943 Latin for intermediate, referring to intermediate number of throat scales (20–22) between neck and anterior base of back compared with *G. gobio* (14–15) and *G. microlepidotus* (30–35)

Gobio kizilirmakensis Turan, Japoshvili, Aksu & Bektaş 2016 -ensis, Latin suffix denoting place: Kızılırmak River drainage, Turkey, where type locality (Ulusu Stream) is situated

Gobio kovatschevi Chichkoff 1937 in honor of the late Vasily Kovacev, for his research of Bulgarian fishes and especially for his book *Freshwater Fish Fauna of Bulgaria* (1922)

Gobio krymensis Bănărescu & Nalbant 1973 -ensis, Latin suffix denoting place: southern Crimea (Ukraine and Russia), where it is endemic

Gobio kubanicus Vasil'eva 2004 -*icus* (L.), belonging to: Kuban River basin, Russia, where it occurs

Gobio latus Anikin 1905 Latin for wide, broad or extensive, allusion not explained nor evident, perhaps referring to higher body depth compared with the similar *G. fluviatilis* (=*gobio*)

Gobio lepidolaemus Kessler 1872 *lepídos* (Gr. λεπίδος), genitive of *lepís* (λεπίς), scale; *laimós* (Gr. λαιμός), throat, referring to its usually scaled throat (naked anteriorly in some specimens)

Gobio lingyuanensis Mori 1934 -ensis, Latin suffix denoting place: Lingyuan, Liaoning Province, China, type locality

Gobio lozanoi **Doadrio & Madeira 2004** in honor of Spanish zoologist Luis Lozano Rey (1878–1958), University of Madrid, for his contribution to the knowledge of Iberian freshwater fishes

Gobio macrocephalus Mori 1930 big-headed, from *makrós* (Gr. μακρός), long or large, and $kephal\acute{e}$ (Gr. κεφαλή), head, referring to longer head compared with *G. gobio*

Gobio maeandricus Naseka, Erk'akan & Küçük 2006 -icus (L.), belonging to: Great Menderes River at Likli, Turkey, type locality

Gobio meridionalis Xu 1987 Latin for southern, referring to its distribution south of the Yellow River in Henan Province, China

Gobio microlepidotus Battalgil 1942 small-scaled, from *mikrós* (Gr. μικρός), small, and *lepidōtós* (Gr. λ επιδωτός), scaly, referring to small throat scales, 30–35 between neck and anterior base of back

Gobio multipunctatus Vasil'eva, Mamilov & Sharakhmetov 2023 multi-(L.), many; punctatus (L.), spotted, referring to number of spots on body "significantly greater" than in other known congeners

Gobio nigrescens (Keyserling 1861) Latin for blackish, presumably referring to 6-7 irregularly shaped, black or brown blotches on back behind dorsal-fin base

Gobio obtusirostris Valenciennes 1842 obtusus (L.), blunt; rostris, Neo-Latin scientific adjective of rostrum (L.), snout, "characterized by short muzzle, fat and obtuse" (translation)

Gobio occitaniae Kottelat & Persat 2005 of Occitanie, the southern part of France, which encompasses most of the range of this species

Gobio ohridanus Karaman 1924 -anus (L.), belonging to: Lake Ohrid, Republic of Macedonia, type locality

Gobio rivuloides Nichols 1925 -oides, Neo-Latin from eidos (Gr. εἶδος), form or shape: presumably the cyprinodontiform genus Rivulus, perhaps referring to flat-topped head

Gobio sakaryaensis Turan, Ekmekçi, Luskova & Mendel 2012 -ensis, Latin suffix denoting place: Sakarya River, Turkey, one of two rivers (the other being Tozman Stream) where it occurs

Gobio sarmaticus Berg 1949 -icus (L.), belonging to: Sarmatia, ancient name for territory corresponding to modern southern Russia, the eastern Balkans, and the distribution of this species in Ukraine

Gobio sibiricus Nikolskii 1936 -icus (L.), belonging to: western Siberia (Russia, Kazakhstan and Mongolia), where it occurs

Gobio skadarensis Karaman 1937 -ensis, Latin suffix denoting place: Skadar Lake (Montenegro and Albania), type locality

Gobio soldatovi Berg 1914 in honor of ichthyologist Vladimir Konstantinovich Soldatov (1875–1941), Moscow Technical Institute of Fishing Industry and Fish Farming, who collected holotype

Gobio tauricus Vasil'eva 2005 -icus (L.), belonging to: Taurida, Latin name of Crimea, where it is endemic [G. delyamurei, published 5–6 days later, is a junior synonym]

Gobio tchangi Li 2015 in honor of Tchunlin Tchang (1897–1963), Curator of Zoology, Fan Memorial Institute of Biology

Gobio tungussicus Borisov 1928 -icus (L.), belonging to: Tunguska, region of eastern Siberia where type locality (Lena River near Zhigansk) is situated

Gobio volgensis Vasil'eva, Mendel, Vasil'ev, Lusk & Lusková 2008 -ensis, Latin suffix denoting place: Volga River basin (Russia), where it occurs

Gobiobotia Kreyenberg 1911

gobio, gudgeon; Botia, an Asian loach, likely reflecting Kreyenberg's provisional placement of G. pappenheimi in the loach family Cobitidae

Subgenus Gobiobotia

Gobiobotia brevibarba Mori 1935 brevis (L.), short; barba (L.), beard, referring to its eight short barbels, shorter than those of *G. pappenheimi*

Gobiobotia brevirostris Chen & Cao 1977 brevis (L.), short; rostris, Neo-Latin scientific adjective of rostrum (L.), snout, referring to shorter snout compared with G. pappenheimi and G. tungi

Gobiobotia cheni Bănărescu & Nalbant 1966 in honor of vertebrate zoologist Jianshen ("Johnson") T. F. Chen (1898–1988), Director, National Taiwan Museum (Taipei), who provided type specimens

 $\begin{tabular}{ll} \textbf{Gobiobotia filifer (Garman 1912)} & filum (L.), thread; fero (L.), to have or bear, presumably referring to its maxillary barbels, which extend beyond the eye \\ \end{tabular}$

Gobiobotia guilingensis Chen 1989 -*ensis*, Latin suffix denoting place: Guilin, Guangxi Province, China, type locality

Gobiobotia homalopteroidea Rendahl 1932 -oides, Neo-Latin from efdos (Gr. εἷδος), form or shape: generally resembling the loach genus Homaloptera (Balitoridae)

Gobiobotia jiangxiensis Zhang & Liu 1995 -ensis, Latin suffix denoting



Gobiobotia III, holotype, 48.6 mm SL From: Chen, X., M. Wang, L. Cao and E Zhang. 2022. Gobiobotia III, a new species of gudgeon (Teleostei, Gobionidae) from the middle Chang-Jiang basin, central China, with notes on the validity of G. nicholsi Bănărescu & Nalbant, 1966. Zoosystematics and Evolution 98 (1): 93–107.

place: where type locality (Xinjiang River) is situated

Gobiobotia kolleri Bănărescu & Nalbant 1966 in honor of Austrian zoologist Otto Koller (1872–150), Naturhistorisches Museum (Vienna), the first ichthyologist to examine specimens of this species (1927)

Gobiobotia lii Chen, Wang, Cao & Zhang 2022 in honor of Shi-Zhen Li (1518–1593), a native of Qichun County, China, where holotype and partial paratypes were collected, who, as an old man, is pictured as having a long, white and dense beard, reminiscent of the eight barbels of the genus Gobiobotia; Li was a well-known medical scientist in the Ming Dynasty, who compiled the 27-volume Compendium of Materia Medica, a valuable reference of traditional Chinese medicine

Gobiobotia longibarba Fang & Wang 1931 longus (L.), long; barba (L.), beard, referring to its long barbels, which extend beyond base of pectoral fin

Gobiobotia macrocephala Mori 1935 big-headed, from *makrós* (Gr. μακρός), long or large, and *kephalé* (Gr. κεφαλή), head, referring to its large head, 3.75 in body length

Gobiobotia meridionalis Chen & Cao 1977 Latin for southern, described as a southern subspecies of G. longibarba

Gobiobotia naktongensis Mori 1935 *-ensis*, Latin suffix denoting place: location not indicated, presumably from Naktong (also spelled Nakdong) River basin, South Korea

Gobiobotia nicholsi Bănărescu & Nalbant 1966 in honor of John Treadwell Nichols (1883–1958), curator of fishes, American Museum of Natural History, who recognized this species as *G. pappenheimi* in 1928

Gobiobotia pappenheimi Kreyenberg 1911 patronym not identified but clearly in honor of Paul Pappenheim (1878–1945), curator of fishes, Royal Museum of Berlin, who authored an addendum to the description reflecting Kreyenberg's uncertainty regarding the familial placement of the genus

Gobiobotia paucirastella Zheng & Yan 1986 paucus (L.), few or scanty; rastella, unnecessarily femininzed spelling rastellus, diminutive of rastrum (L.), rake, referring to fewer number of gill rakers compared with G. tungi

Gobiobotia tungi Fang 1933 in honor of L. M. Tung, West Lake Museum zoologist and professor at University of Chekiang (Zhejiang), who loaned holotype to Fang

Gobiobotia yuanjiangensis Chen & Cao 1977 -ensis, Latin suffix denoting place: Yuanjiang system, Yunnan Province, China, type locality

Subgenus Progobiobotia

Chen & Cao 1977

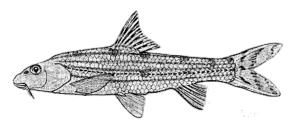
pro- (L.), in front of or forward, presumably referring to oval anterior portion of swim bladder, unique in the genus

Gobiobotia abbreviata Fang & Wang 1931 Latin for shortened, referring to shorter pectoral fins compared with G. pappenheimi, G. ichangensis (=filifer) and G. kiatingensis (=filifer)

Mesogobio

Bănărescu & Nalbant 1973

mésos (Gr. μέσος), middle, being intermediate between *Gobio* and other gobionid genera



Mesogobio lachneri, holotype, 106.2 mm SL. From: Bănărescu, P. M. and T. T. Nalbant. 1973. Pisces, Teleostei. Cyprinidae (Gobioninae). Das Tierreich 93: i–vii + 1–304.

Mesogobio lachneri Bănărescu & Nalbant 1973 in honor of Ernest A. Lachner (1916–1996), curator of fishes, U.S. National Museum, for facilitating the senior author's visits to several museums in the USA

Mesogobio tumenensis Chang 1980 -ensis, Latin suffix denoting place: Tumen River (boundary between China, North Korea and Russia), type locality

Microphysogobio

 $\it micro-$, from $\it mikrós$ (Gr. μικρός), small, and $\it physo$, from $\it physa$ (Gr. $\it φύσα$), bladder, referring to reduced swim bladder, its anterior chamber enclosed in a thick fibrous capsule and its posterior chamber small; $\it Gobia$, type genus of family

Microphysogobio alticorpus Bănărescu & Nalbant 1968 altus (L.), high; corpus (L.), body, referring to deeper body compared with M. brevirostris

Microphysogobio amurensis (Taranetz 1937) -ensis, Latin suffix denoting place: Amur River system (including Khanka Lake), Russia and China, where it is endemic

Microphysogobio anudarini Holcík & Pivnicka 1969 in honor of "well known" Mongolian ichthyologist Anudarin Dashidorzhi, Ulaanbaatar State University

Microphysogobio bicolor (Nichols 1930) *bi-*, from *bis* (L.), two, of two colors, described as "Sharply bicolor; dark above, pale below"

Microphysogobio brevirostris (Günther 1868) brevis (L.), short; rostris, Neo-Latin scientific adjective of rostrum (L.), snout, referring to short, obtuse snout, "not much longer than the diameter of the eye"

Microphysogobio chenhsienensis (Fang 1938) -*ensis*, Latin suffix denoting place: Chenhsien (now Shengzhou City), Zhejiang Province, China, type locality

Microphysogobio chinssuensis (Nichols 1926) -*ensis*, Latin suffix denoting place: Chintzu, Shanxi Province, China, type locality

Microphysogobio elongatus (Yao & Yang 1977) Latin for prolonged, referring to its longer, slenderer body compared with M. kachekensis

Microphysogobio exilicauda (Jiang & Zhang 2013) exilis (L.), thin or meager; cauda (L.), tail, referring to slender caudal peduncle

Microphysogobio fukiensis (Nichols 1926) *-ensis*, Latin suffix denoting place: Fukien Province, China, type locality

Microphysogobio hsinglungshanensis Mori 1934 -ensis, Latin suffix denoting place: Hsing-lung Shan (now Xinglong County), Jehol (now Hebei) Province, China, type locality

Microphysogobio jeoni Kim & Yang 1999 in honor of biologist Sang-Rin Jeon, Sangmyong University (Seoul), for his contributions to the study of ichthyology in Korea

Microphysogobio kachekensis (Oshima 1926) -*ensis*, Latin suffix denoting place: Kachek River, Hainan Island, China, type locality

Microphysogobio kiatingensis (Wu 1930) -*ensis*, Latin suffix denoting place: Kiating (now Lo-Shan), upper Yangtze River drainage, Sichuan Province, China, type locality

Microphysogobio koreensis Mori 1935 -*ensis*, Latin suffix denoting place: Korea, where it is endemic

Microphysogobio labeoides (Nichols & Pope 1927) -oides, Neo-Latin from e i dos (Gr. e i δος), form or shape: "bearing a superficial resemblance" to Hemibarbus labeo

Microphysogobio liaohensis (Qin 1987) -*ensis*, Latin suffix denoting place: Liaoning Province, China, where it appears to be endemic

Microphysogobio linghensis Xie 1986 -ensis, Latin suffix denoting place: Xiaolinghe River (sometimes shortened to Linghe), Liaoning Province, China, type locality

Microphysogobio longidorsalis Mori 1935 *longus* (L.), long; *dorsalis* (Neo-Latin), dorsal, referring to long dorsal fin (much longer than that of *M. koreensis*), which, when depressed, reaches beyond anal-fin origin

Microphysogobio luhensis Huang, Chen, Zhao & Shao 2018 -*ensis*, Latin suffix denoting place: Luhe County, Guangdong Province, China, where type locality (Rong River in Dongkeng Town), is situated

Microphysogobio microstomus Yue 1995 small-mouthed, from *mikrós* (Gr. μικρός), small, and stóma (Gr. στόμα), mouth, referring to smaller mouth (and thinner lips) compared with *M. linghensis*

Microphysogobio nikolskii (Dao & Mai 1959) in honor of Russian ichthyologist-herpetologist Alexander Mikhailovich Nikolsky (also spelled Nikolskii, 1858–1942), who provided a specimen of *M. amurensis* for comparison

Microphysogobio nudiventris Jiang, Gao & Zhang 2012 nudus (L.), bare or naked; ventris, genitive of venter (L.), belly, referring to scaleless midventral region of body, extending slightly more than ¾ of distance between pectoral- and pelvic-fin insertions

Microphysogobio oujiangensis Sun, Huang & Zhao 2022 -ensis, Latin suffix denoting place: Oujiang River basin, Zhejiang Province, China, where type locality (confluence of Panxi and Haoxi rivers), is situated

Microphysogobio pseudoelongatus Zhao & Zhang 2001 pseudo-, from pseúdēs (Gr. ψεύδης), false, i.e., although similar to *M. elongatus*, such an appearance is false

Microphysogobio rapidus Chae & Yang 1999 Latin *rapidus*, quick or swift, and Anglo-Saxon *rapids*, referring to shallow, fast-slowing stream habitat

Microphysogobio tafangensis (Wang 1935) -*ensis*, Latin suffix denoting place: Tafang, Yenchow, Chekiang, China, type locality

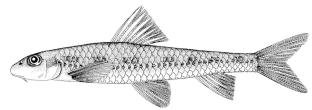
Microphysogobio tungtingensis (Nichols 1926) -ensis, Latin suffix denoting place: Tungting Lake, Hunan Province, China, type locality

Microphysogobio vietnamica Mai 1978 -*ica* (L.), belonging to: northern Vietnam [*species inquirenda*, provisionally included here]

Microphysogobio wulonghensis Xing, Zhao, Tang & Zhang 2011 -ensis, Latin suffix denoting place: Wulonghe River, Laiyang County, Shandong Province, China, type locality

Microphysogobio xianyouensis Huang, Chen & Shao 2016 -ensis, Latin suffix denoting place: Xianyou County, eastern Fujian Province, China, where type locality (Mulan River, Daji Township) is situated

Microphysogobio yaluensis (Mori 1928) -ensis, Latin suffix denoting



Microphysogobio jeoni, holotype, 63.2 mm SL. Illustration by Jae-Hwan Shim. From: Kim, I.-S. and H. Yang. 1999. A revision of the genus Microphysogobio in Korea with description of a new species (Cypriniformes, Cyprinidae). Korean Journal of Ichthyology 11 (1): 1–11.

place: Yalu River at Tsao-ho-kou, Korea, type locality

Microphysogobio yunnanensis (Yao & Yang 1977) -ensis, Latin suffix denoting place: Yunnan Province, China, where it occurs in the upper Red River (Yuanjiang) basin

Microphysogobio zhangi Huang, Zhao, Chen & Shao 2017 in honor of Chun-Guang Zhang (b. 1955), Institute of Zoology, Chinese Academy of Sciences, for his "great" contributions to Chinese fish taxonomy

Platysmacheilus

Lu, Luo & Chen 1977

plátysma (Gr. πλάτυσμα), flat object; cheilus, from cheilos (Gr. χεῖλος), lip, referring to flat and straight lower lip

Platysmacheilus exiguus (Lin 1932) Latin for paltry or inadequate, allusion not explained, perhaps referring to its "rudimentary" gill rakers

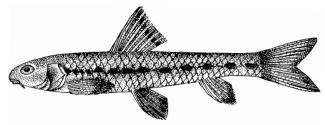
Platysmacheilus longibarbatus Lu, Luo & Chen 1977 *longus* (L.), long; *barbatus* (L.), bearded, referring to thick barbels, which extend past edge of eye almost to operculum

Platysmacheilus obtusirostris (Wu & Wang 1931) obtusus (L.), blunt; rostris, Neo-Latin scientific adjective of rostrum (L.), snout, referring to its blunt snout, "without sudden incision"

Platysmacheilus nudiventris Luo, Le & Chen 1977 *nudus* (L.), bare or naked; *ventris*, genitive of *venter* (L.), belly, referring to scaleless chest and abdomen

Platysmacheilus wangcangensis Chen, Yang & Guo 2021 - *ensis*, Latin suffix denoting place: Wangcang County, Sichuan Province, China, where type locality (Dong River) is situated

Platysmacheilus zhenjiangensis Ni, Chen & Zhou 2005 -ensis, Latin suffix denoting place: Zhenjiang City, Jiangsu Province, China, type locality



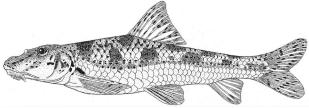
Platysmacheilus zhenjiangensis. From: Ni, Y., X.-H. Chen and G. Zhou. On a new species of the genus Platysmacheilus Lo, Yao et Chen from China (Cypriniformes: Cyprinidae). Journal of Shanghai Fisheries University 14 (2): 122–126.

Pseudogobio Bleeker 1860

pseudo-, from pseúdēs (Gr. ψεύδης), false, i.e., a false Gobio, presumably referring to previous placement of type species (P. escocinus) in Gobio and its apparent relationship to that genus

Pseudogobio agathonectris Tominaga & Kawase 2019 agathós (Gr. ἀγαθός), excellent, good or superior; $n\acute{e}kt\~es$ (Gr. νήκτης), swimmer, i.e., a good swimmer (inhabiting middle reaches of clear streams and preferring riffles) compared with Japanese congeners, particularly P. escocinus, which are benthic

Pseudogobio banggiangensis Nguyen 2001 -ensis, Latin suffix denoting place: Bằng Giang River, Cao Bằng Province, Vietnam, type locality



Pseudogobio agathonectris, holotype, 119.4 mm SL. From: Tominaga, K. and S. Kawase. 2019. Two new species of Pseudogobio pike gudgeon (Cypriniformes: Cyprinidae: Gobioninae) from Japan, and redescription of P. esocinus (Temminck and Schlegel 1846). Ichthyological Research 66 (4): 488–508.

Pseudogobio esocinus (Temminck & Schlegel 1846) scientific Neo-Latin for pike-like, referring to long, large and slightly upturned snout, which resembles the head of pikes (*Esox*)

Pseudogobio guilinensis Yao & Yang 1977 -ensis, Latin suffix denoting place: Guilin City, Guangxi Zhuang Autonomous Region, China, type locality

Pseudogobio polystictus Tominaga & Kawase 2019 $pol\acute{y}$ (Gr. πολύ), many; stictus, from $stikt\acute{o}s$ (Gr. στικτός) spotted, referring to many distinct black spots on dorsal and lateral sides of body [spelling corrected from polysticta to agree with masculine gender of genus]

Pseudogobio vaillanti (Sauvage 1878) patronym not identified but clearly in honor of Sauvage's colleague, French zoologist Léon Vaillant (1834–1914), Muséum national d'Histoire naturelle (Paris)

Romanogobio Bănărescu 1961

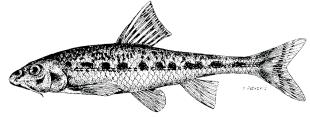
Romania + Gobio, referring to "frequency and strong differentiation" (translation) of select Gobio species in Romania

Romanogobio albipinnatus (Lukasch 1933) albus (L.), white; pinnatus (L.), finned, referring to white paired fins

Romanogobio amplexilabris (Bănărescu & Nalbant 1973) amplexus (L.), enlacing or embracing; *labris*, plural of *labrum* (L.), lip, referring to connected halves of lower lip

Romanogobio antipai (Bănărescu 1953) in memory of Romanian zoologist Grigore Antipa (1867–1944), who collected holotype

Romanogobio banarescui (Dimovski & Grupche 1974) in honor of Romanian ichthyologist Petru Bănărescu (1921–2009), who proposed the subgenus (now genus) Romanogobio in 1961; he shared literature and specimens with the authors and provided suggestions and advice



Romanogobio banarescui. Illustration by N. Petković. From: Dimovski, A. and R. Grupče. 1974. Études morphologico-systématiques du genre *Gobio* (Pisces, Cyprinidae) en Macédoine. 1. *Gobio kessleri banarescui* n. ssp. de la rivière Vardar. Acta Musei Macedonici Scientiarum Naturalium 14 (4 | 1221): 69–92. 1 tab.. 1 pl.

Romanogobio banaticus (Bănărescu 1960) -icus (L.), belonging to: Banat, historical region in Central Europe where it occurs, comprising parts of Romania, Serbia and Hungary bordered by the River Danube to the south, the River Tisza to the west, the River Mureş to the north, and the Southern Carpathian Mountains to the east

Romanogobio belingi (Slastenenko 1934) in honor of Demeter (Dimitry) E. Beling, Director of the Dnieper Biological Station, authority on Ukrainian fishes frequently cited in Slastenenko's paper

Romanogobio benacensis (Pollini 1816) -ensis, Latin suffix denoting place: Lago di Benaco (Lake Garda), Verona, Italy, type locality

Romanogobio ciscaucasicus (Berg 1932) -icus (L.), belonging to: Ciscaucasia (North Caucasus), referring to its distribution in the region between the Black and Caspian Seas, from Russia to Azerbaijan

Romanogobio elimeius (Kattoulas, Stephanidis & Economidis 1973) -ius (L.), pertaining to: Elimeia, ancient name of area between Grevena and Servia in Greece, type locality

Romanogobio johntreadwelli (Bănărescu & Nalbant 1973) in honor of John Treadwell Nichols (1883–1958), curator of fishes, American Museum of Natural History, who first studied the holotype and paratypes ("johntreadwelli" was selected because Gobio (now Gnathopogon) nicholsi had been proposed in 1943)

6 · The ETYFish Project

Romanogobio kesslerii (Dybowski 1862) in honor of German-Russian zoologist Karl Federovich Kessler (1815–1881), who reported this species as *Gobio* (now *Romanogobio*) *uranoscopus* in 1856

Romanogobio macropterus (Kamensky 1901) big-finned, from *makrós* (Gr. μακρός), long or large, and *pterus*, from *pterón* (Gr. πτερόν) or *ptéryx* (πτέρυξ), fin, probably referring to its pectoral fins, which extend to or beyond base of pelvic fins

Romanogobio parvus Naseka & Freyhof 2004 Latin for little, referring its to small size (up to 66.8 mm SL) compared with other species in Gobio and Romanogobio

Romanogobio pentatrichus Naseka & Bogutskaya 1998 penta-, from pénte (Gr. πέντε), five; trichus, from thríx (Gr. θρίξ), hair or ray, referring to five branching rays of anal fin, a diagnostic feature of the species

Romanogobio persus (Günther 1899) incorrectly modified Latin for Persian (correct would be persicus), referring to northwestern Iran, where type locality (Ocksa in the Gader Chai) is situated

Romanogobio skywalkeri Friedrich, Wiesner, Zangl, Daill, Freyhof & Koblmüller 2018 in honor of Luke Skywalker, hero of the 1977 film Star Wars: Episode IV—A New Hope (according to a museum press release, named for its greenish hue in life, said to resemble Master Luke's green lightsaber)

Romanogobio tanaiticus Naseka 2001 -icus (L.), belonging to: Tanais, ancient name for Don River (Russia and Ukraine), where it occurs [treated as a synonym of *R. albipinnatus* by some workers]

Romanogobio tenuicorpus (Mori 1934) tenuis (L.), thin; corpus (L.), body, proposed as a subspecies of Gobio gobio with a slenderer body (posteriorly compressed and less deep) [retained in Gobio by some workers]

Romanogobio uranoscopus (Agassiz 1828) *ouranós* (Gr. οὐρανός), heaven or sky; *skopós* (Gr. σκοπός), looker, contemplator or viewer, referring to obliquely placed eyes, directed upward, more towards forehead

Romanogobio vladykovi (Fang 1943) in honor of Ukrainian-born Canadian ichthyologist Vadim D. Vladykov (1898–1986), who reported this species as a hybrid between Gobio carpathicus and R. carpathorossicus in 1931

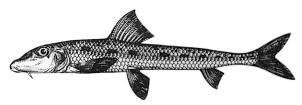
Saurogobio Bleeker 1870

sauros, from saúra (Gr. σαύρα), lizard, allusion not explained, probably referring to elongate, lizard-like body of S. dabryi and S. dumerili; gobio, described as related to Pseudogobio and Rhinogobio

Saurogobio dabryi Bleeker 1871 in honor of Claude-Philibert Dabry de Thiersant (1826–1898), fish culturist, French counsel to China, and student of Chinese fishes, who sent specimens to the Muséum d'Histoire naturelle de Paris

Saurogobio dumerili Bleeker 1871 in honor of August Duméril (1812–1870), herpetologist and ichthyologist, Muséum national d'Histoire naturelle (Paris), who invited Bleeker to examine Chinese cyprinioids in the museum's collection

Saurogobio gracilicaudatus Yao & Yang 1977 gracilis (L.), thin or slender; caudatus (L.), tailed, referring to longer, slimmer caudal peduncle compared to congeners



Saurogobio xiangjiangensis. From: Tang, J.-H. 1980. Two new species of cyprinid fishes of the subfamily Gobioninae from China. Acta Zootaxonomica Sinica 5 (4): 436–439.

Saurogobio gymnocheilus Lo, Yao & Chen 1998 bare-lipped, from gymnós (Gr. γυμνός), bare or naked, and cheílos (Gr. χεῖλος), lip, referring to absence of papillae on lips

Saurogobio immaculatus Koller 1927 im- (L.), not; maculatus (L.), spotted, referring to lack of black spots compared with spotted S. dabryi

Saurogobio lissilabris Bănărescu & Nalbant 1973 *lissós* (Gr. λισσός), smooth; *labris*, plural of *labrum* (L.), lip, referring to smooth or minutely papillose lips and mental pads compared with *S. dabryi*

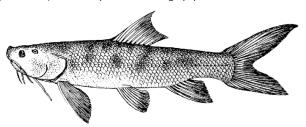
Saurogobio punctatus Tang, Li, Yu, Zhu, Ding, Liu & Danley 2018 Latin for spotted, referring to dark spots scattered on dorsal and caudal fins and elongate round spots above lateral line

Saurogobio xiangjiangensis Tang 1980 -ensis, Latin suffix denoting place: Xiang Jiang River system, Hunan Province, China, type locality

Xenophysogobio Chen & Cao 1977

xénos (Gr. ξένος), strange or foreign, physo, from phýsa (Gr. φύσα), bladder, i.e., a Gobio with a strangely shaped swim bladder

Xenophysogobio boulengeri (Tchang 1929) in honor of Belgian-born British ichthyologist-herpetologist George A. Boulenger (1858–1937), British Museum (Natural History), who provided "some guidance" (translation) in the completion of Tchang's paper



Xenophysogobio boulengeri. Illustration by Fernand Angel. From: Tchang, T.-L. 1929. Un nouveau Cobitidé de Se-Tchuan (Chine). Bulletin du Muséum National d'Histoire Naturelle (Série 2) 1 (5): 307–308.

Xenophysogobio nudicorpa (Huang & Zhang 1986) nudus (L.), bare or naked; corpa (L.), body, referring to scaleless body except for lateral line

Subfamily SARCOCHEILICHTHYINAE

Kryzanowsky 1947

Coreoleuciscus Mori 1935

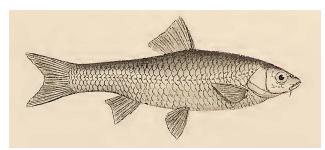
Corea, alternate spelling of Korea, where genus is endemic, presumed to be "closely related" to Leuciscus (Leuciscidae) and allied genera (i.e., the Korean Leuciscus)

Coreoleuciscus aeruginos Song & Bang 2015 incorrectly modified Latin for rusty (correct would be aeruginosus), referring to its bluish-green coloration, like verdigris (the bright bluish-green encrustation or patina formed on copper or brass by atmospheric oxidation)

Coreoleuciscus splendidus Mori 1935 Latin for bright or shining, presumably referring to its splendid coloration: sides with two longitudinal bands (one bluish, the other yellowish), and yellowish fins with two (dorsal and caudal) or one crossbars



Coreoleuciscus splendidus. From: Mori, T. 1935. Descriptions of two new genera and seven new species of Cyprinidae from Chosen. Annotationes Zoologicae Japonenses 15 (2): 161–181, Pls. 11–13



Gnathopogon elongatus. From: From: Temminck, C. J. and H. Schlegel. 1846. Pisces. In: Siebold, P. F. de (ed.). Fauna Japonica. Lugduni Batavorum [Leiden] (A. Arnz et soc.). Parts 10–14: 173–269.

Gnathopogon

Bleeker 1860

gnáthos (Gr. γνάθος), jaw; $p\acute{g}\bar{g}n$ (Gr. πώγων), beard, referring to pair of barbels only on upper lip (or jaw) of G. elongatus

Gnathopogon caerulescens (Sauvage 1883) Latin for bluish, referring to broad blue band along lateral line

Gnathopogon elongatus (Temminck & Schlegel 1846) Latin for prolonged, referring to its elongate, compressed body

Gnathopogon elongatus suwae Jordan & Hubbs 1925 of Lake Suwa at Kamisuwa, Shinshu, Japan, type locality

Gnathopogon herzensteini (Günther 1896) patronym not identified but clearly in honor of Russian ichthyologist Solomon Markovich Herzenstein (1854–1894), who named an *Acanthogobio* after Günther in 1892

Gnathopogon imberbis (Sauvage & Dabry de Thiersant 1874) Latin for beardless, referring to absence of barbels (compared to other species of *Gobio*, genus in which it was described)

Gnathopogon imberbis taeniatus (Günther 1896) Latin for banded, referring to blackish band from upper part of gill opening to root of caudal fin

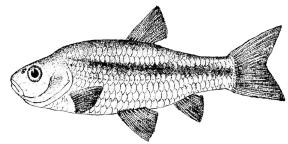
Gnathopogon mantschuricus (Berg 1914) -icus (L.), belonging to: Manchuria, where type locality (Schansi River) is situated

Gnathopogon nicholsi (Fang 1943) in honor of John Treadwell Nichols (1883–1958), curator of fishes, American Museum of Natural History, who described this species in 1925 but used a preoccupied name, *Leucogobio imberbis*

Gnathopogon polytaenia (Nichols 1925) polý- (Gr. πολύ), many; taenia (L.), from tainía (Gr. ταινία), band or ribbon, probably referring to "indistinct pale streaks along back" and/or "dark and silvery streaks" below lateral line

Gnathopogon taeniellus (Nichols 1925) diminutive of *taenia* (L.), from tainia (Gr. ταινία), band or ribbon, allusion not explained, possibly referring to fewer, smaller and/or paler streaks on body compared with G. polytaenia

Gnathopogon tsinanensis (Mori 1928) -ensis, Latin suffix denoting place: Tsi-nan (now Jinan), Shandong Province, China, type locality



Gobiocypris rarus. From: Ye, M.-R. and T.-Y. Fu. 1983. Description of a new genus and species of Danioninae from China (Cypriniformes: Cyprinidae). Acta Zootaxonomica Sinica 8 (4): 434–437.

Gobiocypris

Ye & Fu 1983

etymology not explained, possibly a combination of *Gobio*, type genus of family, and *cypris*, from *Aphyocypris* (Xenocyprididae), to which the authors believe this genus is "closely allied"

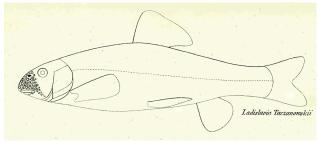
Gobiocypris rarus Ye & Fu 1983 Latin for rare or thinly scattered; although its scarcity is not discussed by the authors, it is quite rare³

Ladislavia

Dybowski 1869

-ia (L. suffix), belonging to: patronym not identified but almost certainly a Slavic spelling of the Polish Władysław, referring to zoologist Władysław Taczanowski (1819–1890), whose complete name is formed by the binomial of the only species in the genus

Ladislavia taczanowskii Dybowski 1869 patronym not identified but almost certainly in honor of Polish zoologist Władysław Taczanowski (1819–1890)



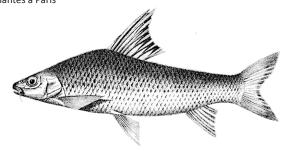
Ladislavia taczanowskii. Illustration by Anton Hartinger. From: Dybowski, B. N. 1869. Vorläufige Mittheilungen über die Fischfauna des Ononflusses und des Ingoda in Transbalkalien. Verhandlungen der K.-K. zoologisch-botanischen Gesellschaft in Wien 19: 945–958, table, Pls. 14–18.

Paracanthobrama

Bleeker 1864

pará (Gr. παρά), near, reflecting Bleeker's belief that the genus belongs to a group of cyprinids he called Acanthobramae (based on the Old World leuciscid genus *Acanthobrama*)

Paracanthobrama guichenoti Bleeker 1864 in honor of French zoologist Antoine Alphonse Guichenot (1809–1876), Musée du Jardin des Plantes a Paris



Possibly first-published image of *Paracanthobrama guichenoti* (as *Hemibarbus dissimilis*, a junior synonym). Illustration by Ludwig Speigler. From: Bleeker, P. 1871. Mémoire sur les cyprinoïdes de Chine. Verhandelingen der Koninklijke Akademie van Wetenschappen (Amsterdam) 12 (2): 1–91. Pls. 1–14.

Pseudopungtungia

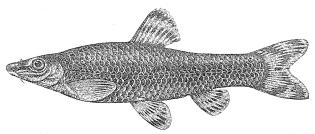
Mori 1935

pseudo-, from $pseud\bar{e}s$ (Gr. ψεύδης), false, i.e., although similar (and closely related) to Pungtungia, such an appearance is false

Pseudopungtungia nigra Mori 1935 Latin for black or dark, probably referring to dark-brown coloration (in formalin) and/or two broad black-ish crossbars on dorsal, anal, ventral and caudal fins

Pseudopungtungia tenuicorpus Jeon & Choi 1980 tenuis (L.), thin or slender; corpus (L.), body, referring to its characteristically slender body compared with *P. nigra* and *Pungtungia herzi*

 $^{^3}$ Xiong, D., C. Xie, C. & L. Xia. 2009. Threatened fishes of the world: Gobiocypris rarus Ye and Fu, 1983 (Cypinidae [sic]). Environmental Biology of Fishes 86: 107–108.



Pseudopungtungia nigra, 106 mm TL. From: Mori, T. 1935. Descriptions of two new genera and seven new species of Cyprinidae from Chosen. Annotationes Zoologicae Japonenses 15 (2): 161–181. Pls. 11–13.

Pseudorasbora

Bleeker 1859

pseudo-, from pseúdēs (Gr. ψεύδης), false, i.e., although *P. pusilla* (=parva) resembles *Rasbora* (Danionidae), such an appearance is false

Pseudorasbora elongata Wu 1939 Latin for prolonged, referring to its elongate body

Pseudorasbora interrupta Xiao, Lan & Chen 2007 Latin for interrupted, probably referring to its incomplete lateral line

Pseudorasbora parva (Temminck & Schlegel 1846) Latin for little, referring to its small size, including small head and fins

Pseudorasbora pugnax Kawase & Hosoya 2015 Latin for aggressive or pugnacious, referring to how males aggressively protect their territory during spawning season (it is called "Kenka-Moroko" in Japan; *kenka* = fighting)



Pseudorasbora pugnax, holotype, male, 59.7 mm SL. Photo by Ryu Uchiyama. From: Kawase, S. and K. Hosoya. 2015. Pseudorasbora pugnax, a new species of minnow from Japan, and redescription of P. pumila (Teleostei: Cyprinidae). Ichthyological Exploration of Freshwaters 25

Pseudorasbora pumila Miyadi 1930 Latin for dwarfish, referring to "dwarfish form of the body," smaller than *P. parva*

Pseudorasbora pumila uchidai Okada & Kubota 1957 in honor and celebration of the 60th birthday of zoologist Toru (or Tohru) Uchida (1897–1981), Hokkaido University, alma mater of the junior author

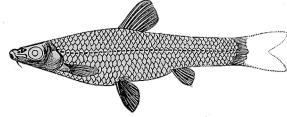
Pungtungia

Herzenstein 1892

-ia (L. suffix), belonging to: Pungtung (Pyoktong), North Korea, type locality of P. herzi

Pungtungia herzi Herzenstein 1892 in honor of German entomologist Alfred Otto Herz (1856–1905), who collected holotype

Pungtungia hilgendorfi (Jordan & Fowler 1903) in honor of German zoologist and paleontologist Franz Hilgendorf (1839–1904), lecturer at



Pungtungia herzi, with damaged caudal fin reconstructed. From: Herzenstein, S. M. 1892. Ichthyologische Bemerkungen aus dem Zoologischen Museum der Kaiserlichen Akademie der Wissenschaften. III. Mélanges Biologiques, tirés du Bulletin physico-mathématique de l'Académie Impériale des Sciences de St. Pétersbourg 13 (2): 219–235.

the Imperial Medical Academy Tokyo (1873–1876), whereupon he published articles and collected several specimens of Japanese fauna

Pungtungia shiraii Oshima 1957 in honor of Japanese ornithologist Kunihiko Shirai, Bureau of Game and Hunting of the Ministry of Agriculture and Forestry, who obtained a collection of fishes downstream of the Tame River, including holotype of this one, and "kindly forwarded to the writer for identification"

Rhinogobio Bleeker 1870

rhinós (Gr. ῥινός), genitive of rhís (ῥίς), nose, i.e., a Gobio with an elongated snout

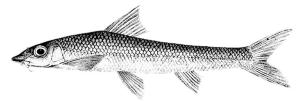
Rhinogobio cylindricus Günther 1888 Latin for cylindrical, referring to its "low, subcylindrical" body

Rhinogobio hunanensis Tang 1980 -*ensis*, Latin suffix denoting place: Hunan Province, China, where type locality (Yuanling, Yuan Shui River system) is situated

Rhinogobio nasutus (Kessler 1876) Latin for large-nosed, referring to its much-produced snout

Rhinogobio typus Bleeker 1871 serving as type of genus

Rhinogobio ventralis Sauvage & Dabry de Thiersant 1874 Latin for of the belly, referring to it long ventral fins, which reach the anus



Rhinogobio typus. Illustration by Ludwig Speigler. From: Bleeker, P. 1871. Mémoire sur les cyprinoïdes de Chine. Verhandelingen der Koninklijke Akademie van Wetenschappen (Amsterdam) 17 (2): 1–21 Jis. 1–14.

Sarcocheilichthys

Bleeker 1860

sarco-, from sárx (Gr. σάρξ), flesh, and cheflos (Gr. χεῖλος), lip, referring to thick lips of S. variegatus; ichthýs (Gr. iχθύς), fish

Sarcocheilichthys biwaensis Hosoya 1982 -ensis, Latin suffix denoting place: Lake Biwa, Japan, where it is endemic

Sarcocheilichthys caobangensis Nguyen & Vo 2001 -ensis, Latin suffix denoting place: Cao Bàng, Cao Bàng Province, Vietnam, type locality

Sarcocheilichthys davidi (Sauvage 1878) in honor of Armand David (1826–1900), Lazarist missionary Catholic priest and biologist, who collected many specimens in China, including holotype of this one

Sarcocheilichthys hainanensis Nichols & Pope 1927 -ensis, Latin suffix denoting place: Hainan Island, China, type locality

Sarcocheilichthys kiangsiensis Nichols 1930 -ensis, Latin suffix denoting place: eastern Kiangsi Province, China, where type locality (Hokou, on the Yangtze River) is situated

Sarcocheilichthys lacustris (Dybowski 1872) Latin for relating to or associated with lakes (lacustrine), referring to its occurrence in lakes of the lower Amur River basin, Russia

Sarcocheilichthys nigripinnis (Günther 1873) niger (L.), black or dark; pinnis, Neo-Latin adjective of pinna (L.), fin, i.e., finned, referring to black, "or at least partly black," fins

Sarcocheilichthys nigripinnis morii Jordan & Hubbs 1925 in honor of biologist Tamezo Mori (1884–1962), Heijo High School, Seoul, Korea, who was studying Korean vertebrates at the time and presented paratype to authors while at Stanford University

Sarcocheilichthys nigripinnis scaphignathus (Nichols 1918) scaphi-, from skaphis (Gr. σκαφίς), spade or shovel; gnáthos (Gr. γνάθος), jaw, referring to its broad, rounded and flat lower jaw



Sarcocheilichthys vittatus, holotype, male, 83.5 mm SL. An, C.-T., E Zhang and J.-Z. Shen. 2020. Sarcocheilichthys vittatus, a new species of gudgeon (Teleostei: Cyprinidae) from the Poyang lake basin in Jiangik Province, South China. Zootaxa 4768 (2): 201–220.

Sarcocheilichthys parvus Nichols 1930 Latin for little, a "minnowlike dwarf" just 40 mm in length

Sarcocheilichthys sciistius (Abbott 1901) scio-, from $ski\acute{a}$ (Gr. $\sigma\kappa(\alpha)$, shade or shadow; istius, from histion (Gr. $i\sigma\tau(\sigma v)$, sail (i.e., dorsal fin), referring to its "dark" dorsal fin

Sarcocheilichthys sinensis Bleeker 1871 -ensis, Latin suffix denoting place: Sinica (China), described from the Yangtze River

Sarcocheilichthys sinensis fukiensis Nichols 1925 -ensis, Latin suffix denoting place: Nanping, Fukien Province, China, type locality

Sarcocheilichthys variegatus (Temminck & Schlegel 1846) Latin for "of different sorts," particularly colors, probably referring to how juvenile specimens differ in color from adults, generally lighter and "usually varied with brown on the back" (translation)

Sarcocheilichthys variegatus microoculus Mori 1927 mikrós (Gr. μικρός), small; oculus (L.), eye, referring to its small eyes, 5.0–5.5 in head and 2.0 in snout

Sarcocheilichthys variegatus wakiyae Mori 1927 in honor of Yohiro Wakia (also spelled Yojiro Wakiya), superintendent of the Korean Government Fisheries Experiment Station, for help in the preparation of Mori's paper [although named after a man, "ae" is an acceptable way to form a genitive from nouns that end in "a"]

Sarcocheilichthys vittatus An, Zhang & Shen 2020 Latin for striped, referring to longitudinal black band extending from anteriormost tip of snout, across eye, and along lateral line to caudal-fin base

Subfamily Incertae sedis

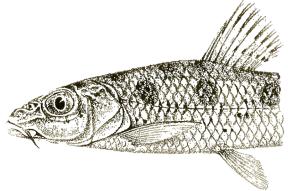
Belligobio

Jordan & Hubbs 1925

etymology not explained, perhaps *bellus* (L.), beautiful, referring to "striking" coloration of *B. eristigma* (=*Hemibarbus mylodon*), i.e., a beautiful *Gobio*

Belligobio eristigma Jordan & Hubbs 1925 *eri-*, (Gr. ἐρι), intensive particle (i.e., very); stigma (Gr. στίγμα), mark or spot, referring to "striking" coloration, comprising 7–8 large spots and smaller, blacker spots (arranged in longitudinal rows) on sides, and rows of spots on dorsal and caudal fins

Belligobio nummifer (Boulenger 1901) nummus (L.), coin; -ifer, from



Belligobio nummifer. Illustration by J. Green. From: Boulenger, G. A. 1901. Descriptions of new freshwater fishes discovered by Mr. F. W. Styan at Ningpo, China. Proceedings of the Zoological Society of London 1901 1 (2): 268–271, Pls. 23–24.

fero (L.), to have or bear, referring to series of six round (i.e., coinshaped) black spots along body and tail, above lateral line

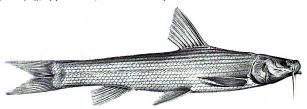
Belligobio pengxianensis Luo, Le & Chen 1977 -ensis, Latin suffix denoting place: Pengxian County, Sichuan Province, China, type locality

Coreius

Jordan & Starks 1905

etymology not explained, perhaps -ius (L.), pertaining to: Corea (alternate spelling of Korea), referring to two specimens of *C. cetopsis* collected at Chemulpo, South Korea, by Pierre Louis Jouy

Coreius cetopsis (Kner 1867) ceto-, from kḗtos (Gr. κῆτος), whale; ópsis (Gr. ὄψις), appearance, allusion not explained nor evident



Coreius cetopsis. Illustration by Joh. Strohmayer. From: Kner, R. 1867. Fische. Reise der österreichischen Fregatte "Novara" um die Erde in den Jahren 1857-1859, unter den Befehlen des Commodore B. von Wüllerstorf-Urbain. Wien. Zool. Theil. 1 (3): 275–433, Pls. 12–16.

Coreius guichenoti (Sauvage & Dabry de Thiersant 1874) patronym not identified but clearly in honor of the authors' colleague, zoologist Antoine Alphonse Guichenot (1809–1876), Muséum national d'Histoire naturelle (Paris)

Coreius heterodon (Bleeker 1864) héteros (Gr. ἔτερος), different; odon, Latinized and grammatically adjusted from the Greek nominative ὁδούς (odoús), tooth, having one row of raptatorial (hooked inward at the tips) pharyngeal teeth instead of two

Coreius septentrionalis (Nichols 1925) Latin for northern, probably referring to its occurrence in northern China (e.g., Mongolia)

Hemibarbus

Bleeker 1860

hemi-, from hémisys (Gr. ἤμισυς), half, presumed to be allied to Barbus (Cyprinidae: Barbinae) but differing in having two barbels instead of four

Hemibarbus brevipennus Yue 1995 brevis (L.), short; pennus, presumably a misspelling of pinnis, Neo-Latin adjective of pinna (L.), fin, i.e., finned, referring to its shorter fins, especially the dorsal fin, compared with H. labeo

Hemibarbus labeo (Pallas 1776) Latin for one with large lips, referring to its well-developed lips

Hemibarbus longirostris (Regan 1908) longus (L.), long; rostris, Neo-Latin scientific adjective of rostrum (L.), snout, referring to long, recurved snout, 1% as long as eye

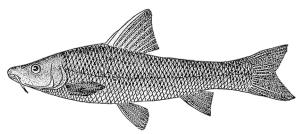
Hemibarbus macracanthus Lu, Luo & Chen 1977 big-spined, from makrós (Gr. μακρός), long or large, and acanthus (L.), from ákantha (Gr. ἄκανθα), thorn, referring to its long dorsal-fin spine, its length 1.20–1.25 times length of head

Hemibarbus maculatus Bleeker 1871 Latin for spotted, referring to small, irregular spots on back, fins and tail

Hemibarbus medius Yue 1995 Latin for middle, its main characters intermediate between *H. labeo* and *H. maculatus*

Hemibarbus mylodon (Berg 1907) mylo-, from mýlē (Gr. μύλη), mill or millstone; odon, Latinized and grammatically adjusted from the Greek nominative $\dot{o}\delta o\dot{u}\varsigma$ (odoús), tooth, referring to large fourth pharyngeal tooth, thickened and rounded (molariform) with a small, round excavation on upper surface

Hemibarbus qianjiangensis Yu 1990 -ensis, Latin suffix denoting place: Qianjiang (i.e., Qian River), Zhejiang Province, China, type locality



Hemibarbus qianjiangensis. From: Chen, M.-K., H. Tong, T. Yu and Z. Diao. 1990. The fish resources of Qiantang River. Shanghai Scientific and Technological Literature Publishing House, Shanghai, China: i–v + i–iii + 1–267.

Hemibarbus songloensis Nguyen 2001 -ensis, Latin suffix denoting place: Sông Lô, Hà Giang Province, Vietnam, type locality

Hemibarbus thacmoensis Nguyen 2001 -ensis, Latin suffix denoting place: Thac Mo, Na Hang District, Tuyên Quang Province, Vietnam, type

Hemibarbus umbrifer (Lin 1931) Latin for shady, presumably referring to its brownish coloration

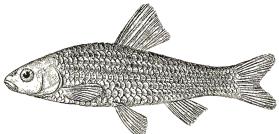
Paraleucogobio Berg 1907

pará (Gr. παρά), near, resembling Leucogobio in general shape

(differing in presence of dorsal-fin spine) [treated as a synonym of *Gnathopogon* by some workers]

Paraleucogobio notacanthus Berg 1907 notus, from notos (Gr. νῶτος), back; acanthus (L.), from ákantha (Gr. ἄκανθα), thorn, referring to strong but flexible (at the top) dorsal-fin spine

Paraleucogobio strigatus (Regan 1908) Latin for furrowed or grooved, presumably referring to dark longitudinal stripes along body, which appear to form a furrow between rows of scales



Paraleucogobio strigatus. Illustration by G. M. Woodward. From: Regan, C. T. 1908. The Duke of Bedford's Zoological Exploration in eastern Asia. VIII. A collection of freshwater fishes from Corea. Proceedings of the Zoological Society of London 1908 1 (3): 59–63, Pls. 2–3.

Placoaobio

Nguyen 2001

combination of placo- from Placocheilus and -gobio from Discogobio, referring to adhesive lower lip common to all three genera

Placogobio bacmeensis Nguyen & Vo 2001 -ensis, Latin suffix denoting place: Bác Mê County, Hà Giang Province, Vietnam, type locality

Placogobio nahangensis Nguyen 2001 -ensis, Latin suffix denoting place: Na Hang District, Tuyên Quang Province, Vietnam, type locality



Placogobio nahangensis. From: Nguyen, V. H. and S. V. Ngô. 2001. Cá nuóc ngot Viêt Nam. Tâp I. Ho cá chép (Cyprinidae). [Freshwater fishes of Viet Nam. Volume I. Family Cyprinidae]. Nhà Xuât Ban Nông Nghiệp [Agriculture Publishing House], Hanoi. 1-622.

Squalidus

Dvbowski 1872

etymology not explained, possibly squalidus (L.), dirty, referring to dusky markings on silvery ground color, but more likely a combination of the leuciscid names Squaliosus and Idus (=Leuciscus), inferring that Squalidus is an intermediate between these two genera

Squalidus argentatus (Sauvage & Dabry de Thiersant 1874) Latin for plated with silver, although color is described as brownish yellow (other references describe color as "pale")

Squalidus atromaculatus (Nichols & Pope 1927) ater (L.), black; maculatus (L.), spotted, probably referring to black spot at base of dorsal fin

Squalidus banarescui Chen & Chang 2007 in honor of Romanian ichthyologist Petru Bănărescu (1921–2009), for his "great" contributions to Taiwanese cyprinid taxonomy, especially the subfamily Gobioninae, between 1960 and 1973

Squalidus chankaensis Dybowski 1872 -ensis, Latin suffix denoting place: Lake Khanka (Chanka), Amur River drainage, Russia, type locality

Saualidus chankaensis biwae (Jordan & Snyder 1900) -ensis. Latin suffix denoting place: Lake Biwa, Japan, type locality

Sauglidus chankgensis vietnamensis Bănărescu & Nalbant 1964 -ensis. Latin suffix denoting place: Vietnam, where type locality (Phong-Thô) is situated

Squalidus gracilis (Temminck & Schlegel 1846) Latin for thin or slender, referring to its slender body shape

Saualidus aracilis maiimae (Jordan & Hubbs 1925) in honor of Tovoii Majima, Imperial University of the Hokkaido [although named after a man, "ae" is an acceptable way to form a genitive from nouns that end in "a"]

Squalidus gracilis minkiangensis Bănărescu & Nalbant 1964 -ensis, Latin suffix denoting place: Minjiang River, Fujian Province, China, type locality

Squalidus gracilis tsuchigae (Jordan & Hubbs 1925) in honor of Yasukei Tsuchiga, a science teacher at Yamada, Japan, who collected some of the fishes examined by Jordan and Hubbs [although named after a man, "ae" is an acceptable way to form a genitive from nouns that end in "a"]

Squalidus iijimae (Oshima 1919) in honor of zoologist Isao lijima (also spelled Ijima, 1861–1921), Science College, Imperial University of Tokyo [although named after a man, "ae" is an acceptable way to form a genitive from nouns that end in "a"]

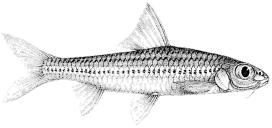
Squalidus intermedius (Nichols 1929) Latin for intermediate, similar in appearance to Gnathopogon elongatus and Leucogobio (=Gnathopogon) taeniellus, "being intermediate between these two genera of convenience"

Squalidus japonicus (Sauvage 1883) -icus (L.), belonging to: Japan, where type locality (Lake Biwa) is situated

Squalidus japonicus coreanus (Berg 1906) -anus, belonging to: Corea (alternate spelling of Korea), a subspecies of S. japonicus described from South Korea

Squalidus maii (Doi 2000) in honor of Mai Dinh Yên (b. 1933), Hanoi Science University, "renowned" Vietnamese freshwater fish taxonomist; type specimens were collected with his "great help"

Squalidus mantschuricus (Mori 1927) -icus (L.), belonging to: Manchuria, referring to type locality at Fushun, China



Squalidus wolterstorffi. Illustration by J. Green. From: Regan, C. T. 1908. Description of three new freshwater fishes from China, Annals and Magazine of Natural History (Series 8) 1 (1): 109-111 Pl 4

Squalidus minor (Harada 1943) Latin for less, probably referring to its small size (32 mm)

Squalidus multimaculatus Hosoya & Jeon 1984 multi- (L.), many; maculatus (L.), spotted, referring to 6–12 small round dark brown spots on sides

Squalidus nitens (Günther 1873) Latin for shining, presumably referring to silvery lower half of body and/or silvery blue band along middle of sides

Squalidus wolterstorffi (Regan 1908) in honor of German geologist, herpetologist and curator Willy Wolterstorff (1864–1943), who "received" fishes from China collected by Martin Kreyenberg, including holotype of this species

Squalidus wolterstorffi huapingensis Wu & Wu 1989 -ensis, Latin suffix denoting place: Huaping, Yunnan Province, China, type locality