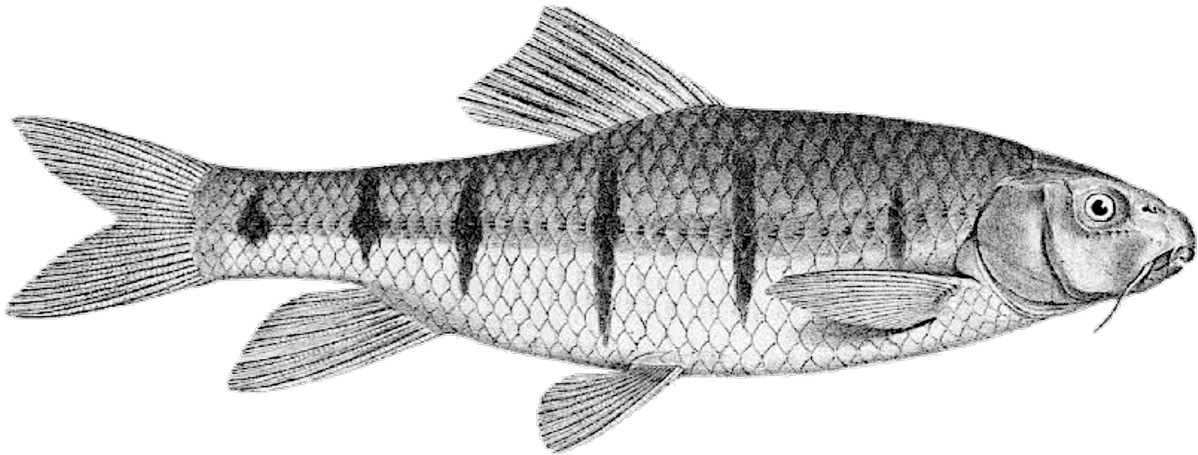


Order CYPRINIFORMES

East Asian Barbs

Family **CYPRINIDAE**Subfamily **ACROSSOCHEILINAE** Yang et al. 2015¹

Acrossocheilus fasciatus. Illustration by Eduard Konopicky. From: Steindachner, F. 1892. Über einige neue und seltene Fischarten aus der ichthyologischen Sammlung des K. K. Naturhistorischen Hofmuseums. Denkschriften der Kaiserlichen Akademie der Wissenschaften in Wien, Mathematisch-Naturwissenschaftliche Classe 59 (1): 357–384, Pls. 1–6.

Acrossocheilus

Oshima 1919

ἀ (Greek privative), i.e., without; *crosso*, from *krossós* (Gr. κροσσός), fringe or tassel; *cheilos* (Gr. χείλος), lip, referring to smooth upper lip, which distinguishes it from *Crossocheilus* (Labeoninae)

Subgenus **Acrossocheilus**

***Acrossocheilus beijiangensis* Wu & Lin 1977** -ensis, Latin suffix denoting place: Bei Jiang River, Pearl River drainage, Guandong Province, China, where it is endemic

***Acrossocheilus fasciatus* (Steindachner 1892)** Latin for banded, referring to five narrow dark brown transverse bands running from back to near the edge of the belly

***Acrossocheilus furongjiangensis* Xiao 2024** -ensis, Latin suffix denoting place: Furongjiang River drainage, northern Guizhou Province, China, where type locality (Huaixi River) is situated

***Acrossocheilus hemispinus* (Nichols 1925)** *hemi-*, from *hémisys* (Gr. ἥμισυς), half; *spinus* (L.), thorn, presumably referring to last simple ray of dorsal fin, “stiffened and serrate behind, but soft distally”

***Acrossocheilus iridescens* (Nichols & Pope 1927)** Neo-Latin for iridescent or rainbow-like, presumably referring to its coloration

***Acrossocheilus jishouensis* Zhao, Chen & Li 1997** -ensis, Latin suffix denoting place: Jishou City, Hunan Province, China, type locality

***Acrossocheilus kreyenbergii* (Regan 1908)** in honor of German physician-naturalist Martin Kreyenberg (1872–1914), who collected holotype

***Acrossocheilus longipinnis* (Wu 1939)** *longus* (L.), long; *pinnis*, Neo-Latin adjective of *pinna* (L.), fin, i.e., finned, referring to long dorsal-fin filament on some specimens

***Acrossocheilus macrophthalmus* Nguyen 2001** big-eyed, from *makrós* (Gr. μακρός), long or large, and *ophthalmós* (Gr. ὀφθαλμός), eye, referring to its large eyes, as long as snout

***Acrossocheilus malacopterus* Zhang 2005** soft-finned, from *malakós* (Gr. μαλακός), soft, and *pterus*, from *pterón* (Gr. πτερόν) or *ptéryx* (πτέρυξ), fin, referring to spinous but slender last simple dorsal-fin ray

***Acrossocheilus microstoma* (Pellegrin & Chevey 1936)** *micro-*, from *mikrós* (Gr. μικρός), small; *stóma* (Gr. στόμα), mouth, referring to its very small (“très petite”) mouth

***Acrossocheilus monticola* (Günther 1888)** *montis* (L.), mountain, *-cola* (L.), dweller or inhabitant, referring to its type locality, a mountain stream flowing into Ichang gorge of Yangtze River, China

***Acrossocheilus multistriatus* Lan, Chan & Zhao 2014** *multi-* (L.), many; *striatus*, furrowed or grooved (i.e., striped or barred), referring to high number of vertical black bars on flank compared with other barred congeners

***Acrossocheilus parallens* (Nichols 1931)** presumably derived from *parállēlos* (Gr. παράλληλος), parallel or side-by-side, allusion not explained, perhaps referring to “distinct short cross-marks, confined to the sides of the back (except in young)”

***Acrossocheilus rendahli* (Lin 1931)** patronym not identified but almost certainly in honor of Swedish zoologist and artist Hjalmar Rendahl (1891–1969), who described many Chinese fishes

***Acrossocheilus spinifer* Yuan, Wu & Zhang 2006** *spinus* (L.), thorn; *-ifer*, from *fera* (L.), to have or bear, referring to spinous and stout last simple dorsal-fin ray

***Acrossocheilus wenchowensis* Wang 1935** -ensis, Latin suffix denoting place: Wenchow (now Wenzhou), Zhejiang Province, China, type locality

***Acrossocheilus xamensis* Kottelat 2000** -ensis, Latin suffix denoting place: Nam Xan basin, northeastern Laos, where type locality (Houay Tangoua, a small stream), is situated

***Acrossocheilus yunnanensis* (Regan 1904)** -ensis, Latin suffix denoting place: Yunnan-Fu (now Kunming), Yunnan Province, China, type locality

Subgenus **Lissochilichthys**

Oshima 1920

lissós (Gr. λισσός), smooth; *cheilos* (Gr. χείλος), lip, presumably referring to thick, fleshy lips of *Lissochilichthys matsudai* (=A.

¹ Full authorship credit is Yang, Sado, Hirt, Pasco-Viel, Arunachalam, Li, Wang, Freyhof, Saitoh, Simons, Miya, He & Mayden 2015.

paradoxus), but possibly also referring to the “very closely related” *Lissochilus* Weber & de Beaufort 1916 (a junior homonym of *Lissochilus* Zittel 1882 [fossil gastropods], replaced by *Neolissochilus* [Torinae]); *ichthys* (Gr. ἰχθύς), fish

***Acrossocheilus clivosius* (Lin 1935)** Latin for steeper, referring to its occurrence in mountain streams

***Acrossocheilus ikedai* (Harada 1943)** in honor of Kiyoshi Ikeda, General, Japanese Imperial Navy in World War II

***Acrossocheilus labiatus* (Regan 1908)** Latin for lipped, referring to thick lower lip, divided into two lobes by a deep anterior notch

***Acrossocheilus lamus* (Mai 1978)** apparent Latinization of Lam, referring to Lam River, northern Vietnam, type locality

***Acrossocheilus laocaiensis* (Nguyen & Doan 1969)** *-ensis*, Latin suffix denoting place: Lao Cai Province, Vietnam, where type locality (Suoi Trinh Quyen stream, Red River basin) is situated

***Acrossocheilus paradoxus* (Günther 1868)** Latin for strange or contrary to expectation, referring to a “very singular variation” in which one specimen had a “considerably produced” snout and three others had shorter, obtuse snouts

Folifer

Wu 1977

etymology not explained, perhaps *foli-*, from *folium* (L.), leaf; *-ifer*, from *fera* (L.), to have or bear, referring to “middle leaf” (translation), or mentum, of lower lip, the diagnostic character of the genus

***Folifer brevifilis* (Peters 1881)** *brevis* (L.), short; *filis* (scientific Neo-Latin), thread-like or filiform, referring to its very short barbels



Folifer brevifilis. From: Peters, W. (C. H.) 1881. Über eine Sammlung von Fischen, welche Hr. Dr. Gerlach in Hongkong gesandt hat. Monatsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin 1880: 1029–1037, 1 pl.

***Folifer hainanensis* (Wu 1977)** *-ensis*, Latin suffix denoting place: Hainan Island, China, where it is endemic

***Folifer yunnanensis* Wang, Zhuang & Gao 1982** *-ensis*, Latin suffix denoting place: Yunnan Province, China, where it is endemic to Lake Fuxianhu in Jiangchuan County

Onychostoma

Günther 1896

onychion (Gr. ὀνύχιον), small claw; *stóma* (Gr. στόμα), mouth, probably referring to “horny sharp sheath” on mandible (i.e., sharp lower jaw) of *O. laticeps* (= *simum*)

***Onychostoma alticorpus* (Oshima 1920)** *altus* (L.), high; *corpus* (L.), body, referring to its deep, elongate, slightly compressed body, deepest in front of dorsal fin

***Onychostoma angustistomatum* (Fang 1940)** *angustus* (L.), narrow; *stomatum*, from *stómatos* (Gr. στόματος), genitive of *stóma* (στόμα), mouth, referring to its smaller mouth width compared with *O. simum*

***Onychostoma babeense* (Nguyen & Nguyen 2001)** *-ensis*, Latin suffix denoting place: Ba Bê Lake, Bắc Kan, Vietnam, type locality

***Onychostoma barbatulum* (Pellegrin 1908)** diminutive of *barbatus* (L.), bearded, referring to its “quite rudimentary” (translation) barbels (>1 mm in length)

***Onychostoma barbatum* (Lin 1931)** Latin for bearded, referring to two pairs of small ($\frac{3}{8}$ – $\frac{3}{4}$ eye diameter) barbels on lower jaw

***Onychostoma breve* (Wu & Chen 1977)** Latin for short, referring to its shorter length-to-height ratio compared with *Scaphiodonichthys macracanthus* (Barbinae), its presumed congener at the time

***Onychostoma brevibarba* Song, Cao & Zhang 2018** *brevis* (L.), short; *barba* (L.), beard, referring to two pairs of minute or papillae-like barbels

***Onychostoma daduense* Ding 1994** *-ensis*, Latin suffix denoting place: Dadu River, Ebian County, Sichuan Province, China, type locality

***Onychostoma dongnaiensis* Hoang, Pham & Tran 2015** *-ensis*, Latin suffix denoting place: middle Dong Nai drainage, Lam Dong Province, Vietnam, type locality

***Onychostoma elongatum* (Pellegrin & Chevey 1934)** Latin for prolonged, referring to its more elongate body shape compared with *Crossochilus* (now *Acrossocheilus*) *monticola*

***Onychostoma fangi* Kottelat 2000** in honor of Chinese ichthyologist Fang Ping-Wen (1903–1944), who described this species as *Varicorhinus elongatus* in 1940, a name now considered a junior secondary homonym of *O. elongatum*

***Onychostoma fusiforme* Kottelat 1998** *fusum* (L.), spindle; *forme*, Neo-Latin scientific adjective of *forma* (L.), shape or form, referring to its elongated shape compared with congeners

***Onychostoma gerlachi* (Peters 1881)** patronym not identified but almost certainly in honor of German physician Carl Gerlach (1843–1913), who lived parts of his life in Hong Kong and sent a collection of fishes from there, including holotype of this one

***Onychostoma krongnoense* Hoang, Pham & Tran 2015** *-ensis*, Latin suffix denoting place: upper Krong No drainage, Lam Dong Province, Vietnam, type locality

***Onychostoma lepturus* (Boulenger 1900)** slender-tailed, from *leptós* (Gr. λεπτός), thin or slender, and *urus*, from *ourá* (Gr. οὐρά), tail, referring to its thin caudal peduncle, “thrice as long as deep”

***Onychostoma lini* (Wu 1939)** in honor of Chinese ichthyologist Lin Shu-Yen (1903–1974)

***Onychostoma macrolepis* (Bleeker 1871)** *macro-*, from *makrós* (Gr μακρός), long or large; *lepis* (Gr. λεπίς), scale, referring to its large scales, ~50 on the lateral line

***Onychostoma minnanense* Jang-Liaw & Chen 2013** *-ense*, Latin suffix denoting place: “Min-Nan,” i.e., southern region of Fujian Province, China, only known area of occurrence [originally spelled *minnanensis*; emended to agree with neuter gender of genus]



Onychostoma minnanense, holotype, 124 mm SL. Photo by N.-H. Jang-Liaw. From: Jang-Liaw, N.-H. and I.-S. Chen. 2013. *Onychostoma minnanensis*, a new cyprinid species (Teleostei: Cyprinidae) from Fujian, southern mainland China, with comments on the mitogenetic differentiation among related species. Ichthyological Research 60 (1): 62–74.

***Onychostoma meridionale* Kottelat 1998** Latin for southern, being the southernmost species of the genus

***Onychostoma ovale* Pellegrin & Chevey 1936** Latin for oval, referring to its oval body shape, which distinguishes it from *O. rarum* [originally spelled *ovalis*; emended to agree with neuter gender of genus]

***Onychostoma ovale rhomboides* (Tang 1942)** *-oides*, Latinized suffix adopted from *eídos* (Gr. εἶδος), form or shape, referring to its “more or less rhomboid” body shape

***Onychostoma rarum* (Lin 1933)** Latin for rare, allusion not explained, perhaps referring to only two known specimens at time of description

***Onychostoma simum* (Sauvage & Dabry de Thiersant 1874)** Latin for blunt-nosed, referring to short, obtuse snout

***Onychostoma uniforme* (Mai 1978)** Latin for having only one shape (i.e., uniform), referring to its uniform (i.e., plain) color pattern compared with black longitudinal stripe on *O. elongatum*

***Onychostoma virgulatum* Xin, Zhang & Cao 2009** Latin for striped, referring to dark-brown stripe extending along lateral line