Family NEMACHEILIDAE Stone Loaches (Aborichthys through Pteronemacheilus)

**Aborichthys Chaudhuri 1913**
Abor Hills, Arunachal Pradesh, northeast India, type locality of *A. kempi* (=*A. boutanensis*); ichthys, fish

**Aborichthys boutanensis** (McClelland 1842)
-ensis, suffix denoting place: Boutan (now spelled Bhutan), where type locality (Mishmee Mountains) is situated (also occurs in India)

**Aborichthys cataracta** Arunachalam, Raja, Malaiammal & Mayden 2014
waterfall, referring to habitat where only population has been discovered and may be restricted

**Aborichthys elongatus** Hora 1921
referring to "greatly elongated and compressed" body form

**Aborichthys garoensis** Hora 1925
-ensis, suffix denoting place: Garo Hills, Meghalaya, Assam, India, type locality

**Aborichthys iphipaniensis** Kosygin, Gurumayum, Singh & Chowdhury 2019
-ensis, suffix denoting place: Iphipani River, Arunachal Pradesh, India, type locality

**Aborichthys kailashi** Shangningam, Kosygin, Sinha & Gurumayum 2019
in honor of Kailash Chandra, Director, Zoological Survey of India, for "contributions to the faunal resources of India"

**Aborichthys kempi** Chaudhuri 1913
in honor of marine biologist Stanley Wells Kemp (1882-1945), Zoological Survey of India, who collected type

**Aborichthys pangensis** Shangningam, Kosygin, Sinha & Gurumayum 2019
-ensis, suffix denoting place: Pange River, Brahmaputra basin, Arunachal Pradesh, India, only known area of occurrence

**Aborichthys tikaderi** Barman 1985
in honor of arachnologist Benoy Krishna Tikader (1928-1994), Director, Zoological Survey of India, for laboratory facilities and for encouragement

**Aborichthys verticauda** Arunachalam, Raja, Malaiammal & Mayden 2014
vertica-, vertical; cauda, tail, referring to straight or slightly truncate caudal fin

**Aborichthys waikhomi** Kosygin 2012
in honor of ichthyologist Waikhom Vishwanath (b. 1954), Manipur University, for his encouragement of the author’s work on this species

**Acanthocobitis Peters 1861**
acanthus, spine, referring to prominent spine under eyes of *A. longipinnis*; cobitis, ancient name for loach, derived from the Greek kobitis, a gudgeon

**Acanthocobitis pavonacea** (McClelland 1839)
-acus, having the nature of: pavo, peacock, referring to peacock-like ocellus, or eyespot, on caudal peduncle

**Afronemacheilus Golubtsov & Prokofiev 2009**
Afr-, African, i.e., Nemacheilus from Africa

**Afronemacheilus abyssinicus** (Boulenger 1902)
Abyssian, referring to what is now Ethiopia, where it is endemic

**Afronemacheilus kaffa** Prokofiev & Golubsov 2013
named after Kaffa, historical region of Ethiopia, where type locality is situated

**Barbatula Linck 1790**
tautonymous with *Cobitis barbatula*

**Barbatula altayensis** Zhu 1992
-ensis, suffix denoting place: near Altay City, Xinjiang Uygur Autonomous Region, China, type locality

**Barbatula barbatula** Linnaeus 1758
diminutive of barba, beard, referring to six barbels around upper jaw, larger than those on similar *Cobitis taenia* (Cobitidae)
Barbatula barbatula caucasicus (Berg 1898)  
-icus, belonging to: northern Caucasus region, Russia, region of Terek River basin, type locality

Barbatula cobdonensis (Gundriser 1973)  
-enensis, suffix denoting place: Kobdo (also known as Khovd) River basin, Russia, where it is endemic

Barbatula compressirostris (Warpachowski 1897)  
compressus, compressed; rostris, snout, referring to "strongly compressed" (translation) snout (caused by drying of two syntype specimens, Artém Prokofiev, pers. comm.)

Barbatula conilobus Prokofiev 2016  
conus, cone; lobus, lobe, referring to conical protrusions of mental lobes of lower lip

Barbatula dgebuadzei (Prokofiev 2003)  
in honor of ichthyologist Yuri Yulianovich Dgebuadze, Russian Academy of Sciences, who collected type

Barbatula dsapchynensis Prokofiev 2016  
enensis, suffix denoting place: Dsapchyn, old name of Zavkhan River basin, Mongolia, where it occurs

Barbatula emuensis Chen, Zhang, Chen & Freyhof 2019  
enius, suffix denoting place: Emu City, Jilin Province, China, type locality

Barbatula gibba Cao, Causse & Zang 2012  
humped, referring to greatly convex predorsal profile

Barbatula golubtsovi (Prokofiev 2003)  
in honor of ichthyologist Alexander S. Golubstov, Russian Academy of Sciences, who collected type

Barbatula karabanowi Prokofiev 2018  
in honor of hydrobiologist Dmitry P. Karabanow, Russian Academy of Sciences, for his “invaluable” help during Prokofiev’s 2008 expedition to Mongolia

Barbatula leoparda Gauliard, Dettai, Persat, Keith & Denys 2019  
referring to leopard-like ventral blotches on adults

Barbatula kirinensis Tchang 1932  
enius, suffix denoting place: Kirin, Jilin Province, northeastern China, where type locality (Jingpo Lake) is situated

Barbatula liaoyangensis Chen, Zhang, Chen & Freyhof 2019  
enius, suffix denoting place: Liaoyang, Liaoning Province, China, where type locality (Taizi River) is situated

Barbatula linjiangensis Chen, Zhang, Chen & Freyhof 2019  
enius, suffix denoting place: near Linjiang City, Jilin Province, China, type locality

Barbatula markakulensis (Menshikov 1939)  
enius, suffix denoting place: Lake Marka-kul’, Irtys basin, Kazakhstan, type locality

Barbatula nuda (Bleeker 1865)  
bare or naked, referring to nearly scaleless body (scales only on a caudal-fin base)

Barbatula oreas (Jordan & Fowler 1903)  
of the hills, allusion not explained, presumably referring to hill-stream habitat in Hokkaido, Japan

Barbatula pechiliensis (Fowler 1899)  
enius, suffix denoting place: Pechili, a 19th-century provide now situated in Inner Mongolia, type locality

Barbatula potaninorum (Prokofiev 2007)  
orum, commemorative suffix, plural: in honor of Grigory Nikolevich Potanin (1835-1920, who collected type) and his wife Alexandra Victorovna, both famous Central Asian explorers

Barbatula quignardi (Bacescu-Mester 1967)  
in honor of ichthyologist Jean-Pierre Quignard (1938-2013), Marine Station, Sète, France (and later, Montpelier University), by whose courtesy the author obtained the types

Barbatula restricta Prokofiev 2015  
restricted, referring to its narrow distribution, known only from Saldan-Kol (=Dlinnoye) Lake, Altai Republic, Russia

Barbatula sawadai (Prokofiev 2007)  
in honor of ichthyologist Yukio Sawada, Hokkaido University (Japan), who studied the osteology of loaches

Barbatula sturanyi (Steindachner 1892)  
in honor of Austrian malacologist Rudolf Sturany (1867-1935), who accompanied Steindachner when type was collected in Macedonia, “as a token of my sincerest affection” (translation)

Barbatula tomiana (Ruzsky 1920)  
anana, belonging to: Tom River, Siberia, type locality
Barbatula toni (Dybowski 1869)
etymology not explained nor evident, perhaps a misprint or misspelling of Tom, referring to Tom River, a Zeja River
tributary in upper Amur drainage, not far from type locality (Artém Prokofiev, pers. comm.)

Barbatula vardarensis (Karaman 1928)
-ensis, suffix denoting place: Vardar River basin, Macedonia, type locality

Barbatula zetensis (Soric 2000)
-ensis, suffix denoting place: Zeta River drainage, Montenegro, type locality

Barbatula zhangwuensis Chen, Zhang, Chen & Freyhof 2019
-ensis, suffix denoting place: Zhangwu, Liaoning Province, China, where type locality (Liu River) is situated

Claea Kottelat 2011
replacement name for Oreias Sauvage 1874, preoccupied by two bird names; since Oreias is from the ancient Greek Oreiad,
a nymph of the mountain, and each mountain was represented by its own Oreiad nymph, Kottelat selected one of the few
Oreiad names not already used as a genus name as the replacement: Claea, nymph of a sacred cave on Mount Kalathion in
Messina

Claea dabryi (Sauvage 1874)
patronym not identified, probably in honor of Pierre Dabry de Thiersant 1826-1898), a French counsel to China, who
sent specimens to the Muséum d'Histoire naturelle de Paris

Claea niulanjiangensis (Chen, Lu & Mao 2006)
from Niulan River (jiang = river), Yunnan Province, China, where it is endemic

Draconectes Kottelat 2012
dragon; nectes, swimmer, referring to Halong Bay, where island habitat of D. narinosus occurs (Ha Long means
"descending dragon" and is derived from a local legend that dragons created the landscape of the bay)

Draconectes narinosus Kottelat 2012
large-nostriled, referring to relatively large nostrils and their wide openings, apparently unique in the family

Dzihunia Prokofiev 2001
-sa, belonging to: Dzihun, ancient Arabic name for the Amu Darya, river in Uzbekistan and Turkestan where D. amudar-
jenis occurs

Dzihunia amudarjensis (Rass 1929)
-ensis, suffix denoting place: Amu Darya river at Termez, Uzbekistan, type locality (also occurs in Turkestan)

Dzihunia ilan (Turdakov 1936)
etymology not explained, presumably a local name for this species in Uzbekistan (Artém Prokofiev, pers. comm.)

Dzihunia turbakovii Prokofiev 2003
in honor of Fedor Turdakov, specialist in nemacheiline systematics and the fish fauna of Middle and Central Asia

Eidinemacheilus Hashemzadeh Segherloo, Ghaedrahmati & Freyhof 2016
Eidi, named for Eidi Heidari, Lorestan Bureau of Environment, the ranger who protects the spring in which E. smithi
occurs; nemacheilus, a nemacheilin loach

Eidinemacheilus proudlovei Freyhof, Abdullah, Ararat, Ibrahim & Geiger 2016
in honor of Graham Proudlove (University of Manchester), "a world expert on subterranean fishes, for his continuous
efforts documenting the diversity of troglomorphic fishes"

Eidinemacheilus smithi (Greenwood 1976)
in honor of writer, explorer and television personality Anthony Smith (1926-2014), who took "great pains (some of
them physical)" in collecting ("not without considerable difficulty") type

Eonemachilus Berg 1938
eos, dawn, allusion not explained; since eos is often used as a prefix for fossil and primitive fishes, perhaps Berg considered
the type species (*E. nigromaculatus*), with its anterior mouth (for which it “deserved to be separated into a distinct genus”), as a primitive or basal *Nemacheilus*

*Eonemachilus longidorsalis* (Li, Tao & Lu 2000)  
*long*, long; *dorsalis*, of the back, referring to long dorsal fin, longest ray opposite end of anal fin base

*Eonemachilus nigromaculatus* (Regan 1904)  
nigro-, black; *maculatus*, spotted, referring to blackish spots or marblings on back and sides

*Eonemachilus yangzonghaiensis* (Cao & Zhu 1989)  
-ensis, suffix denoting place: Yangzong-hai Lake, Yunnan Province, China, type locality

**Hedinichthys** Rendahl 1933  
named for geographer and explorer Sven Hedin (1865-1952), who led expedition to China that collected specimens of *H. yarkadensis* in 1927-28; *ichthys*, fish

Subgenus *Hedinichthys*

*Hedinichthys macropterus* (Herzenstein 1888)  
macro-, long; *pterus*, fin, referring to longer fins compared to *H. yarkadensis*

*Hedinichthys yarkandensis* (Day 1877)  
-ensis, suffix denoting place: Yarkand region of China, type locality (also occurs in India)

Subgenus *Minihedinichthys* Prokofiev 2017  
mini-, small, referring to their size, not exceeding 40 mm SL, i.e., small *Hedinichthys*

*Hedinichthys grumorum* Prokofiev 2010  
-arum, commemorative suffix, plural: in honor of the Central-Asian explorers, the brothers Grigorii Efimovich (1860-1936) and Vladimir Efimovich Grumm-Grzhimailo (1864-1928), who collected type in 1891

*Hedinichthys minutus* (Li 1966)  
small, referring to shorter body length (34.6-52.6 mm) compared to *Triplophysa stolickai* (54.0-109.8 mm)

**Heminoemacheilus** Zhu & Cao 1987  
*hemi*-, partial, presumably referring to incomplete lateral line, which disappears behind pectoral fin; *noemacheilus*, a nemacheiline loach

*Heminoemacheilus hyalinus* Lan, Yang & Chen 1996  
glassy or transparent, referring to transcluency of skin

*Heminoemacheilus parvus* Zhu & Zhu 2015  
small, presumably referring to slender shape compared to *H. hyalinus* and/or shorter TL (43.6 mm) compared to congeners (52-99 mm) [originally spelled *parva*; should be *parvus* since *Heminoemacheilus* is masculine]

*Heminoemacheilus zhengbaoshani* Zhu & Cao 1987  
in honor of Zheng Baoshan, for his contributions to Chinese ichthyology

**Homatula** Nichols 1925  
combination of *Homaloptera* (“which it suggests”) and *Barbatula* (“for the present considered a subgenus of *Barbatula*”)

*Homatula acuticephala* (Zhou & He 1993)  
*acutus*, sharp; *cepha*la, head, referring to pointed, cone-shaped head

*Homatula anguillioides* (Zhu & Wang 1985)  
-*oides*, having the form of: *anguilla*, eel, referring to cylindrical and elongated body

*Homatula anteridorsalis* Li, Che & Zhou 2019  
*anteri*-, in front; *dorsalis*, dorsal, referring to more anterior origin of dorsal (and pelvic) fins compared to congeners

*Homatula berezowskii* (Günther 1896)  
in honor of Mikhail Berezowski (also spelled Berezowskiy, 1848-1912), Russian ornithologist, archaeologist, anthropologist and explorer, who traveled to China in 1892-94 and collected type

*Homatula change* Endruweit 2015  
named for Change E, lunar goddess in Chinese mythology, said to be of incredible beauty, presumably referring to this loach’s coloration in life

*Homatula coccinocola* Endruweit, Min & Yang 2018  
kokkino, the color red; *incola*, inhabitant, referring to Red River drainage (Honghe Prefecture, Yunnan Province, China), type locality

*Homatula cryptoclathrata* Li, Che & Zhou 2019  
*crypto*-, cryptic or hidden; *clathratus*, barred, referring to indistinct pattern of bars on flank in front of dorsal-fin origin
**Homatula disparizona** Min, Yang & Chen 2013

*dispar*, dissimilar; *zona*, band, referring to “very” variable color pattern, with anterior bars that join dorsally and posterior stripes that sometimes enclose a series of pale ovoid blotches along midlateral line

**Homatula erhaiensis** (Zhu & Cao 1988)

-*ensis*, suffix denoting place: Erhai Lake, Yunnan Province, China, where it is endemic

**Homatula laxiclathra** Gu & Zhang 2012

*laxus*, wide; *clathrus*, barred, referring to wider vertical bars on caudal peduncle compared to *H. berezowskii*, *H. longidorsalis* and *H. variegata*

**Homatula longidorsalis** (Yang, Chen & Kottelat 1994)

*longus*, long; *dorsalis*, dorsal fin, referring to nine branched dorsal fin rays, compared to eight rays in most specimens of *H. variegata*

**Homatula nanpanjiangensis** (Min, Chen & Yang 2010)

-*ensis*, suffix denoting place: Nanpanjiang River drainage, Yunnan Province, China, where it is endemic

**Homatula nigra** Li, Che & Zhou 2019

Black; according to the etymology section, “alluding to the pattern of bars on the flank in front of the dorsal-fin origin,” yet color is described elsewhere as black with no bars on flank of living specimens and with “irregular cloud marks” on flank in alcohol

**Homatula oligolepis** (Cao & Zhu 1989)

*oligo*-, few; *lepis*, scale, referring to scaleless body except for caudal-fin base

**Homatula potanini** (Günther 1896)

In honor of Grigory Nikolayevich Potanin (1835-1920), Russian explorer of Inner Asia, who collected type

**Homatula pycnolepis** Hu & Zhang 2010

*pycnos*, dense; *lepis*, scale, referring to densely scaled predorsal body

**Homatula variegata** (Dabry de Thiersant 1874)

Variegated, presumably referring to slightly wavy bands across a yellow-brown mottled body

**Homatula wenshanensis** Li, Yang, Li & Liu 2017

-*ensis*, suffix denoting place: Wenshan City, Yunnan Province, China, type locality

**Homatula wujiangensis** (Ding & Deng 1990)

-*ensis*, suffix denoting place: Wujiang River, Sichuan Province, China, type locality

**Homatula wuliangensis** Min, Yang & Chen 2012

-*ensis*, suffix denoting place: Baimushan River in the Wuliang Mountains, Jingdong County, Yunnan Province, China, where it is endemic

**Indoreonectes** Rita & Bănărescu 1978

*Indo*-, India, described as an Indian subgenus of *Oreonectes*

**Indoreonectes evezardi** (Day 1872)

In honor of Col. George C. Evezard (1826-1901), Bombay Staff Corps, who assisted in procuring the single type specimen

**Indoreonectes keralensis** (Rita & Nalbant 1978)

-*ensis*, suffix denoting place: Kerala State, India, where it is endemic

**Iskandaria** Prokofiev 2009

-*ia*, belonging to: Iskandar, Arabic nickname of Alexander the Great (356 BC-323 BC), conqueror of Middle Asia, referring to distribution in Uzbekistan

**Iskandaria kuschakewitschi** kuschakewitschi (Herzenstein 1890)

In memory of Aleksandr Aleksandrovich Kushakewitsch, traveler and explorer through Middle Asia

**Iskandaria kuschakewitschi** badamensis (Turdakov 1948)

-*ensis*, suffix denoting place: Badam River, Kazakhstan, type locality [sometimes spelled *badameusis*, presumably a typo]

**Iskandaria pardalis** (Turdakov 1941)

Like a leopard, referring to brown spots and speckles on body

**Kayahschistura** Kottelat & Grego 2020

*Kayah*, named for Kayha State, Myanmar, where type locality (a cave) of *K. lokalayensis* is situated; *Schistura*, genus of nemacheilid loaches in which most South and Southeast Asian species had been placed

**Kayahschistura lokalayensis** Kottelat & Grego 2020

-*ensis*, suffix denoting place: Lokalay Loko Gu Cave, Kayha State, Myanmar, type locality
Lefua Herzenstein 1888
named for Lefu (Ilistaya) River, Khanka Lake basin, Amur River drainage, Russia, type locality of L. pleskei

*Lefua costata* (Kessler 1876)
ribbed, probably referring to “sharply expressed intermuscular furrows” (translation) along lateral line

*Lefua echigonia* Jordan & Richardson 1907
*-ia*, belonging to: Echigo, a province in Japan, type locality

*Lefua hoffmanni* Herre 1932
in honor of William E. Hoffmann (1896-1986), Director of the Lingnan Natural History Survey and Museum, who accompanied Herre on his field trips in China and collected some of the type series

*Lefua nikkonis* (Jordan & Fowler 1903)
-*is*, genitive singular of: Nikkon, Japan, near where it occurs

*Lefua pleskei* (Herzenstein 1888)
in honor of zoologist Fedor (also spelled Theodor) Dmitrievich Pleske (1858-1932), who collected type

*Lefua sayu* (Herre & Lin 1936)
Chinese name for this species, from *sa*, sand, and *yu*, loach

*Lefua tokaiensis* Ito, Hosoya & Miyazaki 2019
*-ensis*, suffix denoting place: Tokai region, central Honshu, Japan, its main area of distribution

*Lefua torrentis* Hosoya, Ito & Miyazaki 2018
swift water, referring to its occurrence only in mountain streams, unique in the genus

*Malihkaia* Kottelat 2017
-*ia*, belonging to: Mali Hka River, Kachin State, Myanmar, type locality of *M. aligera*

*Malihkaia aligera* Kottelat 2017
winged, presumably referring to strongly falcate pectoral fin in males

*Mesonoemacheilus* Bănărescu & Nalbant 1982
*meson*, middle, allusion not explained, perhaps referring to its affinities lying in the middle between several nemacheiline genera, and/or to well-marked roundish spot in middle of caudal base of *M. herrei*, compared to dark vertical bar at base of caudal in *Schistura*

*Mesonoemacheilus guentheri* (Day 1867)
in honor of ichthyologist and herpetologist Albert Günther (1830-1914)

*Mesonoemacheilus herrei* Nalbant & Bănărescu 1982
in honor of the late Albert W. Herre (1868-1962), ichthyologist-lichenologist, who collected type in 1941

*Mesonoemacheilus menoni* (Zacharias & Minimol 1999)
in honor of ichthyologist Ambat Gopalan Kutty Menon (1921-2002), for help, comments and suggestions on the authors’ paper

*Mesonoemacheilus pambarensis* (Menon 1984)
-*ensis*, suffix denoting place: Pambar River at border of Chinnar Sanctuary, Western Ghats, Kerala, India, type locality

*Mesonoemacheilus triangularis* (Day 1865)
triangular, allusion not explained, presumably referring to V-shaped bands on sides

*Micronemacheilus* Rendahl 1944
*micro-*, small, probably referring to small size of *M. cruciatus*, 17.5-25.0 mm; *nemacheilus*, a nemacheiline loach
Micronemacheilus cruciatus Rendahl 1944
cross-shaped, referring to dark longitudinal band and numerous dark horizontal stripes that cross it

Mustura Kottelat 2018
combination of musterion, mystery, and Schistura, referring to the “ambiguous history” of most of its species (most of which were previously placed in Schistura and Physostichura)

Mustura bella (Kottelat 1990)
pretty, referring to attractive color pattern (dark brown bars, blotches and saddles on a yellow-brown background)

Mustura celata Kottelat 2018
undisclosed or kept hidden, referring to its “unclear generic position”

Mustura chhimituipuiensis (Lahramliana, Lahlhlimpuia, Solo & Vanramliana 2016)
-ensis, suffix denoting place: Chhimituipui, local name of the Kaladan River, Mizoram, northeastern India, where it occurs

Mustura chindwinensis (Lokeshwor & Vishwanath 2012)
-ensis, suffix denoting place: Chindwin basin, Manipur, India, where it is endemic

Mustura chulabhornae (Suvarnaraksha 2013)
in honor of H.R.H. Princess Chulabhorn Mahidol (b. 1957) of “for her valuable scientific works”

Mustura dikrongensis (Lokeshwor & Vishwanath 2012)
-ensis, suffix denoting place: Dikrong River at Doimukh, Brahmaputra basin, Arunachal Pradesh, India, where it is endemic

Mustura geisleri (Kottelat 1990)
in honor of German aquarist Rolf Geisler (1925-2012), for his “valuable help”

Mustura harkishorei (Das & Darshan 2017)
in memory of Harkishore Das, father of the senior author, who inspired his son to take up fisheries research as an academic career

Mustura isostigma (Kottelat 1998)
iso, equal; stigma, brand, referring to regularly sized blotches along middle of sides

Mustura maeapiensis (Kottelat 1990)
-ensis, suffix denoting place: Mae Nam Mae Pui (a river), Mae Hong Son Province, Thailand, type locality

Mustura prashadi (Hora 1921)
in honor of Baini Prashad (1894-1969), Assistant Superintendent, Zoological Survey of India, who gave Hora “every possible encouragement”

Mustura shanensis (Hora 1929)
-ensis, suffix denoting place: southern Shan States, Myanmar, type locality

Mustura shuensis (Bohlen & Šlechtová 2014)
-ensis, suffix denoting place: Shu Chaung, tributary of Maton Chaung, Irrawaddy River basin, Myanmar, type locality

Mustura tigrina (Lokeshwor & Vishwanath 2012)
referring to tiger-like bars on body

Mustura tuivaiensis (Lokeshwor, Vishwanath & Shanta 2012)
-ensis, suffix denoting place: Tuivai River, Churchandpur district, Manipur, India, where it is endemic

Mustura walongensis (Tamang & Sinha 2016)
-ensis, suffix denoting place: Walong, Anjaw district, Arunachal Pradesh, northeastern India, where it occurs

Mustura yunnaniloides (Chen, Kottelat & Neely 2011)
-oides, having the form of: referring to marked similarity in color pattern with some species of Yunnanilus

Nemacheilus Bleeker 1863
nema, thread; cheilus, lip, referring to six filamentous barbels around mouth

Nemacheilus anguilla Annandale 1919
eel, presumably referring to “elongate, shallow and somewhat compressed” body shape

Nemacheilus arenicolus Kottelat 1998
arena, sand; colore, to inhabit, referring to sandy substrate habitat

Nemacheilus banar Freyhof & Serov 2001
named for the “friendly people” of the Ba Nar ethnic community, Kontum Province, Việt Nam, type locality

Nemacheilus binotatus Smith 1933
bi-, two; notatus, marked, referring to two short vertical bars on body over distal half of pectoral fins
Nemacheilus chrysolaimos (Valenciennes 1846)
chrysos, gold; laimos, mouth, referring to golden color of barbels

Nemacheilus cleopatra Freyhof & Serov 2001
named for the “brilliant” Queen of Egypt (69 BC-30 BC), comparing her “legendary beauty” to this loach’s “elegant and beautiful” appearance

Nemacheilus corica (Hamilton 1822)
latinization of Khorika, Bengali vernacular for this species

Nemacheilus elegantissimus Chin & Samat 1992
most beautiful, referring to its graceful appearance in life

Nemacheilus fasciatus (Valenciennes 1846)
banded, referring to a “score of small transversal black stripes down the back which vanish under the belly” (translation)

Nemacheilus jaklesii (Bleeker 1852)
in honor of friend and colleague P. Jakles, Surgeon Lieutenant Colonel, Dutch East Indian Army, who collected type

Nemacheilus kaimurensis Husain & Tilak 1998
-enis, suffix denoting place: Kaimur Range, Uttar Pradesh, India, type locality

Nemacheilus kapuasensis Kottelat 1984
-enis, suffix denoting place: Kapuas River drainage, Kalimantan Barat, Sarawak, type locality

Nemacheilus lactogeneus Roberts 1989
lactis, milk; -geneus, producing, referring to milk-white coloration in life

Nemacheilus longipectoralis Popta 1905
longus, long, referring to elongated pectoral fins, extending beyond ventral-fin base

Nemacheilus longipinnis Ahl 1922
longus, long; pinnis, fin, referring to long dorsal fin rays, the first ray longer than length of head

Nemacheilus longistriatus Kottelat 1990
longus, long; striatus, furrowed or grooved (i.e., striped), referring to longitudinal black stripe

Nemacheilus marang Hadiaty & Kottelat 2010
named after the type locality, Sungai Marang, East Kalimantan, Indonesia

Nemacheilus masyae Smith 1933
in honor of ichthyologist and illustrator Luang Masya Chitrakarn (1896-1965, also known as Prasop Teeranunt), Siamese Department of Fisheries, for his interest and zeal in the study of Thai fishes and his skill in portraying them with pen and brush (he also helped collect type)

Nemacheilus monilis Hora 1921
string of beads, referring to “peculiar moniliform band of black pigment on either side”

Nemacheilus olivaceus Boulenger 1894
olive-colored, referring to yellow-brown coloration

Nemacheilus ornatus Kottelat 1990
ornate or embellished, referring to black stripes and blotches on a yellowish background

Nemacheilus papillos Tan & Kottelat 2009
papilla, bud; si, mouth, referring to strongly papillated lips

Nemacheilus paucimaculatus Bohlen & Šlechtová 2011
paucit-, few; maculata, blotched, referring to low number of lateral and dorsal blotches compared to most congeners in the N. fasciatus species group

Nemacheilus pfeifferae (Bleeker 1853)
in honor of Ida Laura Pfeiffer (1797-1858), Austrian traveler and travel writer, who collected type

Nemacheilus platiceps Kottelat 1990
platus, flat; ceps, head, referring to depressed head with flat interorbital area

Nemacheilus saravacensis Boulenger 1894
-enis, suffix denoting place: Sarawak state, Borneo, East Malaysia, type locality

Nemacheilus selangoricus Duncker 1904
-ticus, belonging to: Selangor, one of the Federated Malay States, type locality

Nemacheilus spiniferus Kottelat 1984
spina, spine; fero, to bear, referring to spine-like extension on posterior portion of lateral line and caudal peduncle scales
Nemacheilus stigmofasciatus Arunachalam & Muralidharan 2009
stigma-, blotch; fasciatus, banded, referring to regularly sized blotches alternating with bands on sides

Nemacheilus tebo Hadiaty & Kottelat 2009
referring to Lake Tebo drainage, East Kalimantan, Borneo, Indonesia, where it is endemic

Nemacheilus troglotaractus Kottelat & Géry 1989
trogle, hole, referring to cave habitat; cataracta, waterfall, translation of Nam Tok, Thai word for waterfall and name of both cave where it occurs and nearest populated town

Nemacheilus tuberigum Hadiaty & Siebert 2001
tuber, swelling; [man]gus, large, referring to comparatively large tubercles on either side of lateral line on anterior part of caudal peduncle

Nemacheilus zonatus Page, Pfeiffer, Suksri, Randall & Boyd 2020
banded or barred, referring to bars along side of body that cross over back and meet bars on the opposite side

Nemachilichthys Day 1878
Nemachil-, abridgement of Nemacheilus; ichthys, fish, i.e., a fish similar to Nemacheilus

Nemachilichthys ruppelli (Sykes 1839)
in honor of naturalist and explorer Eduard Rüppell (1794-1884), who looked over Sykes’ drawing and shared his opinions on the genera of fishes [Sykes misspelled the name as “rupelli”; since he correctly spelled Rüppell’s name elsewhere in his paper, the spelling of the epithet should be emended (add the missing “p”), but since he did not place an umlaut over the “u” the spelling should not additionally be emended to “rupeppelli” as many have done]

Neonoemacheilus Zhu & Guo 1985
neo-, new, i.e., a new genus close to Nemacheilus

Neonoemacheilus assamensis (Menon 1987)
-ensis, suffix denoting place: Assam, India, type locality

Neonoemacheilus labeosus (Kottelat 1982)
thick-lipped, referring to very thick lips, feebly but regularly pleated

Neonoemacheilus mengdingensis Zhu & Guo 1989
-ensis, suffix denoting place: near Mending, Gengmaxian County, Yunnan Province, China, type locality

Neonoemacheilus morehensis Arunkumar 2000
-ensis, suffix denoting place: only member of genus known from Moreh area of Yu-River system, Manipur, India

Neonoemacheilus peguensis (Hora 1929)
-ensis, suffix denoting place: Pegu Yoma hills, east of the Irrawaddy River, Myanmar, type locality

Oreonectes Günther 1868
oreos, mountain; nekton, swimmer, referring to type locality of O. platycephalus from near the top of Hong Kong Mountains, China, 15,000 feet above sea level

Oreonectes anophthalmus Zheng 1981
an-, without; ophthalmus, referring to its blindness

Oreonectes daqikongensis Deng, Wen, Xiao & Zhou 2016
-ensis, suffix denoting place: known only from a karst cave in Daqikong area, Libo County, Guizhou Province, China

Oreonectes donglanensis Wu 2013
-ensis, suffix denoting place: Donglan County, Guangxi Province, China, type locality

Oreonectes duanensis Lan 2013
-ensis, suffix denoting place: Du’an County, Guangxi Province, China, where Chen Jiang Town (type locality) is situated

Oreonectes guananensis Yang, Wei, Lan & Yang 2011
-ensis, suffix denoting place: a cave in Guan’an village, Huanjiang County, Guangxi Province, China, type locality

Oreonectes guilinensis Huang, Yang, Wu & Zhao 2019
-ensis, suffix denoting place: Guilin City, Yangshuo County, Guangxi Province, China, type locality

Oreonectes jiarongensis (Lin, Li & Song 2012)
-ensis, suffix denoting place: cave in Jiarong Town, Libo County, Guizhou Province, China, type locality

Oreonectes luochengensis Yang, Wu, Wei & Yang 2011
-ensis, suffix denoting place: Luocheng, Guangxi Province, China, type locality

Oreonectes platycephalus Günther 1868
platy, flat; cephalus, head, referring to “much depressed” head
Oreonectes polystigmus Du, Chen & Yang 2008
poly, many; stigma, mark, referring to numerous dark brown spots on body

Oreonectes retrodorsalis Lan, Yang & Chen 1995
retro-, back; dorsalis, of the back, referring to posterior placement of dorsal fin, dorsal fin insertion closer to caudal-fin base than to tip of snout

Oreonectes shuilongensis Deng, Xiao, Hou & Zhou 2016
-ensis, suffix denoting place: Shuilong Township, Sandu County, Guizhou Province, China, type locality

Oxynoemacheilus Bănărescu & Nalbant 1966
oxy, sharp, probably referring to pointed snout, i.e., *Nemacheilus* with pointed snouts

Oxynoemacheilus anatolicus Erk’akan, Özeren & Nalbant 2008
Anatolian, referring to type locality (inlet of Karamanli Dam lake, Burdur) in southwestern region of Turkey

Oxynoemacheilus angorae (Steindachner 1897)
of Angora, historic name of Ankara, Turkey, referring to Turkish distribution

Oxynoemacheilus araxensis (Bănărescu & Nalbant 1978)
-ensis, suffix denoting place: Araxes basin, eastern Turkey, type locality

Oxynoemacheilus argyrogramma (Heckel 1847)
argyra, silver; grammé, line, presumably referring to silvery lateral line (“linea laterali argentea”)

Oxynoemacheilus arsaniasus Freyhof, Kaya, Turan & Geiger 2019
adjectival form of Arsanias, ancient name of Murat River, Turkey, where this loach occurs (also occurs in upper Karasu [Bitlis] River drainage)

Oxynoemacheilus atili Erk’akan 2012
in honor of Mr. Ahmet Tuncay Atıl (no other information provided)

Oxynoemacheilus banarescui (Delmastro 1982)
in honor of Petru M. Bănărescu (1921-2009), Institute of Biology, Bucharest, “illustrious” (translation) ichthyologist and naturalist

Oxynoemacheilus bergianus (Derjavin 1934)
- anus, belonging to: the “great and famous” (translation) ichthyologist Lev (also Leo) Semjonovich Berg (1876-1950)

Oxynoemacheilus brandtii (Kessler 1877)
in honor of German naturalist Johann Friedrich von Brandt (1802-1879), who provided four of the five specimens Kessler used in his description

Oxynoemacheilus bureschi (Drensky 1928)
in honor of entomologist Ivan Yosifov Buresch (also spelled Buresh, 1885-1980), dubbed by others the “patriarch of Bulgarian biology,” who, through his influence and connections to Tsar Boris III, made it possible for Drensky to collect specimens throughout Bulgaria

Oxynoemacheilus cemali Turan, Kaya, Kalayci, Bayçelebi & Aksu 2019
in honor of Cemal Turan, Iskenderun Technical University (Iskenderun), for his contributions to the molecular exploration of Turkish freshwater fishes

Oxynoemacheilus ceyhanensis (Erk’akan, Nalbant & Özeren 2007)
-ensis, suffix denoting place: Ceyhan basin, Turkey, presumably referring to where it occurs

Oxynoemacheilus chomanicus Kamangar, Prokofiev, Ghaderi & Nalbant 2014
-icus, belonging to: Choman River basin, Kurdistan, Iran, where it is endemic

Oxynoemacheilus ciceki Sungur, Jalili & Eagderi 2017
in honor of Erdoğan Çiçek, Nevşehir Hacı Bektaş Veli University, for his “valuable” contribution to the knowledge of freshwater fishes of Turkey

Oxynoemacheilus cilicicus Kaya, Turan, Baycelebi, Kalayci & Freyhof 2020
-icus, belonging to: Cilicia, ancient name for southern coastal region of Asia Minor, comprising most of what is present-day Turkey, where this loach occurs

Oxynoemacheilus cyri (Berg 1910)
of the upper Kura River (Cyrus in Latin), Turkey, type locality

Oxynoemacheilus elsaе Eagderi, Jalili & Çiçek 2018
in honor of the first author’s daughter, Elsa
Oxynoemacheilus ercisianus (Erk’akan & Kuru 1986)
-ana, belonging to: Ercis stream, Lake Van basin, Turkey, type locality

Oxynoemacheilus eregliensis (Bănărescu & Nalbant 1978)
-ensis, suffix denoting place: Eregli, southwestern central Turkey, type locality

Oxynoemacheilus euphraticus (Bănărescu & Nalbant 1978)
-icus, belonging to: Euphrates River basin (Turkey), type locality (also occurs in same river basin in Iran and Iraq)

Oxynoemacheilus evreni (Erk’akan, Nalbant & Özeren 2007)
in honor of Evren Erk’akan (b. 1987), son of the senior author

Oxynoemacheilus frenatus frenatus (Heckel 1843)
bridled, referring to black stripe that extends from eye to eye across the snout

Oxynoemacheilus frenatus afrenatus (Battagil 1941)
a-, not; frenatus, bridled, referring to absence of stripe across snout as seen on nominate subspecies

Oxynoemacheilus galilaeus (Günther 1864)
-eus, adjectival suffix: referring to Sea of Galilee (Lake Tiberias), Israel, type locality

Oxynoemacheilus germencicus (Erk’akan, Nalbant & Özeren 2007)
-icus, belonging to: Germencik, Turkey, type locality

Oxynoemacheilus gyndes Freyhof & Abdullah 2017
ancient Greek name for the Sirvan River, referring to distribution in Sirvan River drainage, Iraqi Kurdistan

Oxynoemacheilus hamwii (Krupp & Schneider 1991)
in honor of the late Adel Hamwi, Professor of Zoology, University of Damascus, for contributions to Syrian zoology and for helping the authors in the field

Oxynoemacheilus hanae Freyhof & Abdullah 2017
in honor of Hana Ahmad Raza (b. 1987), biologist and conservationist, who works for Nature Iraq in Sulaymaniya, who accompanied the senior author during fieldwork in Iraqi Kurdistan

Oxynoemacheilus hazarensis Freyhof & Özuluğ 2017
-ensis, suffix denoting place: Lake Hazar, Turkey, where it may be endemic

Oxynoemacheilus insignis (Heckel 1843)
conspicuous, probably referring to black-marble body color pattern

Oxynoemacheilus karunensis Freyhof 2016
-ensis, suffix denoting place: Karun River, one of two Iranian rivers (the other is the River Jarahi) where it occurs

Oxynoemacheilus kaynaki Erk’akan, Özeren & Nalbant 2008
in honor of Hüseyin Kaynak, father of senior author

Oxynoemacheilus kentritensis Freyhof, Kaya & Turan 2017
-ensis, suffix denoting place: Kentrites, historic name of Botan River, Turkey, where this loach occurs

Oxynoemacheilus kiabii Golzarianpour, Abdoli & Freyhof 2011
in honor of zoologist Bahram H. Kiabi, Shahid Beheshti University, for his contribution to the conservation of Iranian vertebrates, especially fishes

Oxynoemacheilus kurdistanicus Kamangar, Prokofiev, Ghaderi & Nalbant 2014
-anus, belonging to: Kurdistan, Iran, where it is endemic

Oxynoemacheilus kurkranensis (Abdurakhmanov 1962)
-ensis, suffix denoting place: Lenkoran, Azerbaijan, type locality

Oxynoemacheilus leontinae (Lortet 1883)
etymology not explained, perhaps “of a lion,” referring to loach’s high, rounded head, which may resemble a lion’s mane (note that Heckel named O. panthera and O. tigris after big cats in 1843, perhaps setting a nomenclatural precedent that Lortet chose to follow)

Oxynoemacheilus longipinnis (Coad & Nalbant 2005)
longus, long; pinnis, fin, referring to long paired fins, dorsal with 10 branched rays and caudal well forked

Oxynoemacheilus mediterraneus (Erk’akan, Nalbant & Özeren 2007)
referring to distribution in Mediterranean basin of Turkey

Oxynoemacheilus merga (Krynicki 1840)
sickle, presumably referring to crescent-shaped caudal fin

Oxynoemacheilus mesudae Erk’akan 2012
in honor of Erk’akan’s mother, Mesude Kaynak
Oxynoemacheilus muefiti Freyhof, Kaya, Turan & Geiger 2019
in honor of ichthyologist Müfit Özuluğ, Istanbul University, for his “strong support” of the authors’ work over many years

Oxynoemacheilus namiri (Krupp & Schneider 1991)
of namir, Arabic word for tiger, referring to color pattern that usually consists of dark crossbars

Oxynoemacheilus oxianus (Kessler 1877)
-anus, belonging to: Oxua River, ancient name for Amu Darya, Uzbekistan, type locality

Oxynoemacheilus panthera (Heckel 1843)
referring to leopard-like pattern of spots and markings on body

Oxynoemacheilus parvinae Sayyadzadeh, Eagderi & Esmaeili 2016
in honor of the “famous Persian poet of Iran,” Parvin E’tesami (1907-1941)

Oxynoemacheilus paucilepis (Erk’akan, Nalbant & Özeren 2007)
pauci-, few; lepis, scale, referring to “distribution of the scales on its body” (although said distribution is not specified in description)

Oxynoemacheilus persa (Heckel 1847)
Persia, referring to distribution in Iran, where it is endemic

Oxynoemacheilus pindus (Economidis 2005)
referring to the Pindus range, the “back bone of Greece” and source of Aoos River drainage, where it occurs

Oxynoemacheilus samanticus (Bănărescu & Nalbant 1978)
-ica, belonging to: Samanti River drainage, southern Turkey, type locality

Oxynoemacheilus seyhanensis (Bănărescu 1968)
-ensis, suffix denoting place: upper Seyhan River basin, Turkey, where it appears to be endemic

Oxynoemacheilus seyhanicola (Erk’akan, Nalbant & Özeren 2007)
cola, dweller or inhabitant, referring to Seyhan River basin, Turkey, where it appears to be endemic

Oxynoemacheilus simavicus (Balik & Bănărescu 1978)
-icus, belonging to: Simav, a stream in Balikesir, Turkey, type locality

Oxynoemacheilus theophilii Stoumboudi, Kottelat & Barbieri 2006
in honor of Theophilus Chatzimichael (1873-1934), a prominent folk painter from Lesbos Island, Greece, where it is endemic

Oxynoemacheilus tigris (Heckel 1843)
tiger, probably referring to tiger-like stripes on yellowish-white body

Oxynoemacheilus tongiorgii (Nalbant & Bianco 1998)
in honor of friend and colleague Paolo Tongiorgi (b. 1936), University of Modena, co-editor of the Italian Journal of Zoology, for his help in the final editing of the special volume in which this description appeared

Oxynoemacheilus veyselorum Çiçek, Eagderi & Sungur 2018
in honor of VeySEL Çiçek, father and son of first author [originally spelled veyseli; since name honors more than one person, emendment to veyselorum is mandatory]

Oxynoemacheilus zagrosensis Kamangar, Prokofiev, Ghaderi & Nalbant 2014
-ensis, suffix denoting place: Zagros Mountains, which occur in Kurdistan, Iran, where it is endemic

Oxynoemacheilus zarzianus Freyhof & Geiger 2017
-anus, belonging to: Zarzian, an archaeological culture of late Paleolithic and Mesolithic in Iraqi Kurdistan, where
this loach occurs

**Paracanthocobitis** Grant 2007

*para-*-, alongside or beside, originally proposed as a subgenus of *Acanthocobitis*

**Paracanthocobitis abutwebi** Singer & Page 2015

in honor of Abu Tweb Abu Ahmed (University of Dhaka), for his contributions to the study of hillstream fishes of Bangladesh

**Paracanthocobitis adelaidaeae** Singer & Page 2015

in honor of Adelaide Singer, daughter of the first author, born during this study

**Paracanthocobitis aurea** (Day 1872)

golden, presumably referring to fins and barbels a “deep orange colour”

**Paracanthocobitis botia** (Hamilton 1822)

etymology not explained, possibly derived from *balli-potiah*, an Assamese name for this species; several aquarium websites state that *Botia* is an “Asian” word for warrior or soldier (perhaps alluding to suborbital spine) but do not provide a source

**Paracanthocobitis canicula** Singer & Page 2015

Latin for little dog, referring to canine-molar-like shape of dark dorsal saddles

**Paracanthocobitis linypha** Singer & Page 2015

*linen weaver*, referring to narrow bars on side, which suggest a sewing needle in motion

**Paracanthocobitis mackenziei** (Chaudhuri 1910)

in honor of M. Mackenzie, cattle farmer in Sirour, Bangladesh, who collected part of type series and other fishes for Chaudhuri

**Paracanthocobitis maekhlongensis** Singer & Page 2015

*-ensis*, suffix denoting place: Mae Khlong River in western Thailand, where it appears to be endemic

**Paracanthocobitis mandalayensis** (Rendahl 1948)

*-ensis*, suffix denoting place: Mandalay, Myanmar, type locality

**Paracanthocobitis marmorata** Singer, Pfeiffer & Page 2017

marmorated (i.e., marbled), referring to marmorated pattern on nape and between dorsal saddles and lateral blotches in lieu of black stripe along side of body typical of other members of the *P. zonalternans* complex

**Paracanthocobitis mooreh** (Sykes 1839)

Marathi vernacular for this species in India, “so that naturalists who travel the country can always obtain” the species

**Paracanthocobitis nigrolineata** Singer, Pfeiffer & Page 2017

*nigro-* black; *lineata* lined, referring to black stripe along side of body

**Paracanthocobitis phuketensis** (Klausewitz 1957)

*-ensis*, suffix denoting place: Phuket Island, Thailand, type locality

**Paracanthocobitis pictilis** (Kottelat 2012)

Latin for “embroided” (probably a misspelling of “embroidered”), referring to dark brown triangular saddles on upper half of body

**Paracanthocobitis rubidipinnis** (Blyth 1860)

*rubens*, red; *pinnis*, fin, referring to fins “tinged with red”

**Paracanthocobitis triangula** Singer, Pfeiffer & Page 2017

referring to small black triangular blotch in ocellus on upper margin of caudal peduncle

**Paracanthocobitis tumitensis** Arunkumar & Moyon 2019

*-ensis*, suffix denoting place: Tumit River, Chandel district, Manipur, India, type locality

**Paracanthocobitis urophthalma** (Günther 1868)

*oura*, tail; *ophthalmus*, eye, referring to black white-edged ocellus (eyespot) on base of upper caudal lobe

**Paracanthocobitis zonalternans** (Blyth 1860)

*zonatus*, banded; *alterno*, variegated with two alternate colors, referring to 12 short transverse bands along lateral streak which alternate with ~12 dark bands across dorsum

**Paracobitis** Bleeker 1863

*para-* near, referring to similarity to *Cobitis*, in which type species (*P. malapterura*) had been placed

**Paracobitis abrishamchianorum** Mousavi-Sabet, Vatandoust, Geiger & Freyhof 2019

in honor of Mir-Jafar Abrishamian (1930–2018) and his son Ali Abrishamian (1954–2007), “great benefactors” in Guilan Province (Iran), for their “developmental services in support of the University of Guilan and its students” [originally spelled “*abrischamian*”; since more than one person is honored, emendment is necessary]
**Paracobitis atrakensis** Esmaeili, Mousavi-Sabet, Sayyadzadeh, Vatandoust & Freyhof 2014
-ensis, suffix denoting place: Atrak River, Iran, type locality

**Paracobitis basharensis** Freyhof, Esmaeili, Sayyadzadeh & Geiger 2014
-ensis, suffix denoting place: Bashar River, Iran, type locality

**Paracobitis ghazniensis** (Bănărescu & Nalbant 1966)
-ensis, suffix denoting place: Ghazni River at Ghazni, tributary of Ab-i-Istadah Lake, Helmand River drainage, Afghanistan, type locality

**Paracobitis hircanica** Mousavi-Sabet, Sayyadzadeh, Eagderi, Patimar & Freyhof 2015
-ica, belonging to: **Hyrcania**, Greek name for the southern Caspian Sea region (now in Iran) where this loach occurs

**Paracobitis longicauda** (Kessler 1872)
**longus**, long; **cauda**, tail, referring to long caudal peduncle, ~4.5-4.6 in standard length

**Paracobitis malapterura** (Valenciennes 1846)
**malacos**, soft; **ptera**, fin; **oura**, tailed, probably referring to dorsal adipose keel

**Paracobitis molavii** Freyhof, Esmaeili, Sayyadzadeh & Geiger 2014
in honor of Jalal ad-Din Muhammad Balkhi (1207-1273), also known as Molavi, a Persian poet, theologian and Sufi mystic

**Paracobitis persa** Freyhof, Esmaeili, Sayyadzadeh & Geiger 2014
named for Fârs (known in Old Persian as Pârsâ, or Persia), Iranian province where it is endemic

**Paracobitis rhadinaea** (Regan 1906)
latinization of the Greek **rhadinos**, slender or lithe, presumably referring to elongate body

**Paracobitis salihae** Kaya, Turan, Kalayci, Bayçelebi & Freyhof 2020
in honor of Salih Kaya (1939-2015), mother of the first author

**Paracobitis zabgawraensis** Freyhof, Esmaeili, Sayyadzadeh & Geiger 2014
-ensis, suffix denoting place: headwater stream of Great Zab River (the Zab Gawra in Kurdish), Iraqi Kurdistan, type locality

**Paranemachilus** Zhu 1983
para-, near, similar to **Nemacheilus** but differing in having scales on sides of head [correct spelling is **Paranemachilus** not **Paranemacheilus**; no inadvertent error in original description]

**Paranemachilus genilepis** Zhu 1983
**genys**, cheek; **lepis**, scale, referring to scales on sides of head

**Paranemachilus pingguoensis** Gan 2013
-ensis, suffix denoting place: Pingguo County, Guangxi Province, China, type locality

**Paraschistura** Prokofiev 2009
para-, near, referring to similarity with **Schistura**

**Paraschistura abdoli** Freyhof, Sayyadzadeh, Esmaeili & Geiger 2015
in honor of Ashgar Abdoli, Iranian fish ecologist, who collected this species with the senior author in 2007

**Paraschistura alepidota** (Mirza & Bănărescu 1970)
a-, not; **lepidotus**, scaly, referring to scaleless body

**Paraschistura aredvii** Freyhof, Sayyadzadeh, Esmaeili & Geiger 2015
of Aredvi Sura Anahita, Avestan name of Indo-Iranian cosmological figure venerated as the divinity of “the Waters” and hence associated with fertility, healing and wisdom

**Paraschistura bampurensis** (Nikolskii 1900)
-ensis, suffix denoting place: Bampur River near Bazman, Iran, one of the type localities

**Paraschistura cristata** (Berg 1898)
crested, referring to dermal fold or crest that begins shortly in front of anal fin origin level and reaches root of caudal fin

**Paraschistura delvarii** Mousavi-Sabet & Eagderi 2015
in honor of Rais-Ali Delvari (1882-1915), an anti-colonialist in Bushehr, Iran, type locality, now remembered as a national hero of Iran

**Paraschistura hormuzensis** Freyhof, Sayyadzadeh, Esmaeili & Geiger 2015
-ensis, suffix denoting place: Strait of Hormuz, between Persian Gulf and Gulf of Oman, referring to type locality (tributary of Minab River, Iran, which flows into the Strait)

**Paraschistura ilamensis** Vatandoust & Eagderi 2015
-ensis, Ilam Province, Tigris River basin, Iran, type locality
**Paraschistura kermanensis** Sayyadzadeh, Teimori & Esmaeili 2019
-ensis, suffix denoting place: Kerman province, Iran, type locality

**Paraschistura kessleri** (Günther 1889)
patronym not identified but clearly in honor of German-Russian zoologist Karl Federovich Kessler (1815-1881), who described several loaches from the former Russian Empire

**Paraschistura lepidocaulis** (Mirza & Nalbant 1981)
lepid-, scale; caulis, peduncle, referring to a few isolated scales on caudal peduncle on an otherwise scaleless fish

**Paraschistura lindbergi** (Bănărescu & Mirza 1965)
in honor of the late Knut Carl Lindberg (1892-1962), a Swedish physician with strong interests in tropical medicine and zoology, who collected type

**Paraschistura makranensis** Eagderi, Mousavi-Sabet & Freyhof 2019
-ensis, suffix denoting place: Makran, ancient Persian word for area along coast of Oman Sea (or Gulf of Oman), where type locality (Jegin River drainage in southern Iran) is situated

**Paraschistura microlabra** (Mirza & Nalbant 1981)
micro-, small; labrum, lip, referring to small mouth opening, smaller than other species in *Schistura* (original genus)

**Paraschistura naseeri** (Ahmad & Mirza 1963)
patronym not identified; based on junior author’s dedication of *Barilius naseeri* (Cyprinidae) in 1986, it seems he honored his professor and co-author Khan Naseerud-Din Ahmad (Government College, Lahore, Pakistan) but did not specify solo authorship, therefore the senior author of the name is the same person whom the name honors

**Paraschistura naumanni** Freyhof, Sayyadzadeh, Esmaeili & Geiger 2015
in honor of Clas M. Naumann zu Königsbrück (1939-2004), former director of Zoologisches Forschungsmuseum Alexander König (Germany) and for some years the senior author’s supervisor; he “deeply loved Iran [where this loach is endemic], its people, nature and culture”

**Paraschistura nielseni** (Nalbant & Bianco 1998)
in honor of Jørgen G. Nielsen (b. 1932), Zoological Museum of Copenhagen, for his ichthyological work and especially for help offered to the senior author

**Paraschistura pakistanica** (Mirza & Bănărescu 1969)
Pakistani, referring to country where it is endemic

**Paraschistura pasatigris** Freyhof, Sayyadzadeh, Esmaeili & Geiger 2015
ancient name of Karun River, Iran, type locality (from the Sanskrit pas, to touch or be bound to, referring to the fact that the Karun is an independent drainage but closely bound to the Tigris)

**Paraschistura prashari** (Hora 1933)
in honor of Hora’s friend Mr. Prashar Bhatia, who collected type in 1919

**Paraschistura punjabensis** (Hora 1923)
-ensis, suffix denoting place: Punjab, Pakistan, type locality (also occurs in India)

**Paraschistura susiani** Freyhof, Sayyadzadeh, Esmaeili & Geiger 2015
in honor of the Susian people; Susa was an ancient city (back to 4200 BC) of the Elamite, Persian and Parthian empires of Iran, an area now located in the lower Zagros Mountains of Khuzestan Province, type locality

**Paraschistura turcmenica** (Berg 1931)
-tica, belonging to: Turkménistan, type locality (also occurs in Iran and probably Afghanistan)

**Paraschistura turcomana** (Nikolskii 1947)
-tana, belonging to: Turkmenistan, type locality (also occurs in Afghanistan)

**Petruichthys** Menon 1987
*Petru*, probably in honor of loach specialist Petru M. Bănărescu (1921-2009), Institute of Biology, Bucharest, whom Menon acknowledges in his monograph; *ichthys*, fish

**Petruichthys brevis** (Boulenger 1893)
short, allusion not explained, perhaps referring to short length (type specimens up to 5.8 cm TL)

**Petruichthys salmonides** (Chaudhuri 1911)
-sider, having the resemblance of: salmon or trout, its color and shape having “some superficial resemblance to a young trout”

**Physoschistura** Bănărescu & Nalbant 1982
*physa*, vesicle or bladder, i.e., a *Schistura* with a free posterior air-bladder chamber

**Physoschistura bruneana** (Annandale 1918)
*brun*, belonging to: Charles Edward Browne (1861-?), latinized as *brunne*, Political Advisor in Yawnghwe (now Nyaung Shwe), Myanmar, to whom Annandale was “indebted for much assistance on his tour” of Inlé Lake, type locality
Physoschistura elongata Sen & Nalbant 1982
referring to elongate, slender body, with nearly horizontal dorsal profile

Physoschistura pseudobrunneana Kottelat 1990
pseudo-, false, i.e., although this species may resemble P. brunneana, such an appearance is false

Physoschistura ranikhetensis Singh & Das 2019
-ensis, suffix denoting place: near Ranikhet, Uttarakhand, India, type locality

Physoschistura raoi (Hora 1929)
in honor of H. Srinivasa Rao (1894-1971), Zoological Survey of India, who helped collect type [originally spelled raoe but corrected to raoi since it is named for a man]

Physoschistura rivulicola (Hora 1929)
rivulus, brook or rivulet; -cola, inhabitant, referring to habitat preference

Physoschistura shuangjiangensis (Zhu & Wang 1985)
-ensis, suffix denoting place: Shuangjiang County, Yunnan Province, China, type locality [likely belongs in a new, unnamed genus per Kottelat (2018)]

Protonemacheilus Yang & Chu 1990
protos, first, reflecting authors’ belief that genus is more primitive compared to the closely related Micronemacheilus and Paranemacheilus

Protonemacheilus longipectoralis Yang & Chu 1990
longus, long, presumably referring to long pectoral fins (but this character is not mentioned in description)

Pteronemacheilus Bohlen & Šlechtová 2011
pteros-, wing, i.e., a Nemacheilus with wing-like fins, referring to skinfolds on pectoral fins of males

Pteronemacheilus lucidorsum Bohlen & Šlechtová 2011
lux, light; dorsum, back, referring to absence of pigmentation along dorsal midline

Pteronemacheilus meridionalis (Zhu 1982)
southern, presumably referring to distribution in southern Yunnan Province, China