Supplementary Materials for

Evolution of the Yangtze River reconstructed by the largest molecular phylogeny of Cyprinidae

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Supplementary Text

Supplementary Fig. S1 to S7

Supplementary Table S1 to S2

Supplementary Data

Supplementary References

Each calibration is numbered and the phylogenetic placement of the calibration is highlighted in Supplementary Fig. 3.

Calibration 1. *Node*: Crown-group Cyprinidae. *First occurrence*: †*Parabarbus*. Zaissan Basin, East Kazakhstan (1). *Resolution in phylogenetic analyses*: †*Parabarbus* is the oldest and reliable fossils of Cyprinidae as we known, resolved as crown lineage cyprinid (Barbini and Leuciscini), relative to Danioninae (2,3). *Age estimate*: 40.4-48.6 Ma (4).

Calibration 2. *Node*: Stem-lineage Barbinae. *First occurrence*: †*Parabarbus mynsajensis* and †*Barbus sp*. Turgai Basin, Central Kazakhstan (1) and Romania (5). *Resolution in phylogenetic analyses*: †*Parabarbus mynsajensis* and †*Barbus sp*. are the oldest fossils of Barbinae as we known, resolved as stem lineage Barbinae. *Age estimate*: 27.82-33.9 Ma (1,5).

Calibration 3. *Node*: Stem-lineage *Cyprinus*. *First occurrence*: †*Cyprinus sp*. Shanwang, Shandong, China (6). *Resolution in phylogenetic analyses*: † *Cyprinus sp*. is the oldest fossils of *Cyprinus* as we known, resolved as stem lineage *Cyprinus*. *Age estimate*: 16-18 Ma (7). Note: †*Eoprocypris maomingensis* is not the fossils of *Cyprinus*, but may be the ancestor of Cyprininae (6,8).

Calibration 4. *Node*: MRCA of *Cyprinus carpio* and *Cyprinus rubrofuscus*. *First occurrence*: †*Cyprinus carpio* Linn. Shihuiba, Lufeng, Yunnan, China (9). *Resolution in phylogenetic analyses*: †*Cyprinus carpio* Linn. is the oldest fossils of *Cyprinus carpio* as we known, which has close genetic relationship with *Cyprinus rubrofuscus* (Supplementary Fig. 3). *Age estimate*: 5.333-11.63 Ma (9).

Calibration 5. *Node*: Stem-lineage *Carassius*. *First occurrence*: † *Palaeocarassius sp.* Baden-Württemberg, Germany (10). *Resolution in phylogenetic analyses*: †*Palaeocarassius sp*. is the oldest fossils of *Carassius* as we known, resolved as stem lineage *Carassius*. *Age estimate*: 16.0-16.9 Ma (10).

Calibration 6. *Node*: MRCA of *Carassius auratus* and *Carassius langsdorfii*. *First occurrence*: †*Carassius auratus* Linn. Yushe Basin, Wuxiang County, Shanxi, China (11). *Resolution in phylogenetic analyses*: †*Carassius auratus* Linn. is the oldest fossils of *Carassius auratus* as we known, which has close genetic relationship with *Carassius langsdorfii* (Supplementary Fig. 3). *Age estimate*: 3.4-5.2 Ma (12).

Calibration 7. *Node*: Stem-lineage Schizothoracins. *First occurrence*: † *Plesioschizothorax macrocephalus.* Lunbola Basin, Bange County, Xizang, China (13). *Resolution in phylogenetic analyses*: †*Plesioschizothorax macrocephalus* is the oldest fossils of Schizothoracins with specialized, resolved as stem lineage Schizothoracins (primitive and specialized). *Age estimate*: 16-18 Ma (7).

Calibration 8. *Node*: Stem-lineage *Gymnocypris*. *First occurrence*: † *Gymnocypris sp. indet.* Kunlun Pass Basin, northeastern Tibetan Plateau, China (14). *Resolution in phylogenetic analyses*: †*Gymnocypris sp. indet.* is the oldest fossils of *Gymnocypris* as we known, resolved as stem lineage *Gymnocypris*. *Age estimate*: 2.58-3.600 Ma (15).

Calibration 9. *Node*: Stem-lineage *Pseudorasbora*. *First occurrence*: † *Pseudorasbora macrocephala.* Shanwang, Shandong, China (16). *Resolution in phylogenetic analyses*: †*Pseudorasbora macrocephala* is the oldest fossils of *Pseudorasbora* as we known, resolved as stem lineage *Pseudorasbora*. *Age estimate*: 16-18 Ma (7).

Calibration 10. *Node*: Stem-lineage *Gnathopogon*. *First occurrence*: † *Gnathopogon macrocephala.* Shanwang, Shandong, China (17). *Resolution in phylogenetic analyses*:

†*Gnathopogon macrocephala* is the oldest fossils of *Gnathopogon* as we known, resolved as stem lineage *Gnathopogon*. *Age estimate*: 16-18 Ma (7).

Calibration 11. *Node*: Stem-lineage *Rutilus*. *First occurrence*: †*Rutilus sp.* Baden-Württemberg, Germany (10). *Resolution in phylogenetic analyses*: † *Rutilus sp.* is the oldest fossils of *Rutilus* as we known, resolved as stem lineage *Rutilus*. *Age estimate*: 16.0-16.9 Ma (10).

Calibration 12. *Node*: Stem-lineage *Elopichthys* and *Ctenopharyngodon*, dating the MRCA of *Elopichthys bambusa* and *Ctenopharyngodon idella*. *First occurrence*: †*Elopichthys sp.* and †*Ctenopharyngodon sp*. Sihong, Jiangsu, China (18). *Resolution in phylogenetic analyses*: † *Elopichthys sp.* and †*Ctenopharyngodon sp*. are the oldest fossils of *Elopichthys* and *Ctenopharyngodon* as we known, which have close genetic relationship (Supplementary Fig. 3). *Age estimate*: 16.0-20.4 Ma (18).

Calibration 13. *Node*: MRCA of *Hypophthalmichthys molitrix* and *Hypophthalmichthys nobilis*. *First occurrence*: †*Hypophthalmichthys molitrix*. Yushe Basin, Wuxiang County, Shanxi, China (11). *Resolution in phylogenetic analyses*: †*Hypophthalmichthys molitrix* is the oldest fossils of *Hypophthalmichthys molitrix* as we known, which has close genetic relationship with *Hypophthalmichthys nobilis* (Supplementary Fig. 3). *Age estimate*: 3.4-5.2 Ma (12).

Calibration 14. *Node*: Stem-lineage *Abramis*. *First occurrence*: †*Abramis sp*. Dniester Basin, Moldova (19). *Resolution in phylogenetic analyses*: †*Abramis sp*. is the oldest fossils of *Abramis* as we known, resolved as stem lineage *Abramis*. *Age estimate*: 3.6-5.3 Ma (19).

Supplementary Fig. 1 Phylogeny of 1420 Cyprinidae species and three Cobitidae species inferred from cytochrome *b* gene based on Maximum likelihood analysis. The numbers beside the nodes are the bootstrap proportions.

Supplementary Fig. 2 Phylogeny of 1420 Cyprinidae species and three Cobitidae species inferred from cytochrome *b* gene based on Bayesian inference analysis. The numbers beside the nodes are Bayesian posterior probabilities.

Supplementary Fig. 3 The time-calibrated phylogeny chronogram of Cyprinidae based on the optimal maximum likelihood tree topology and fourteen fossil age constraints. The gray bars indicate the 95% credibility interval of divergence time estimated. The nodes with age priors taken from the fossil record are numbered and specific information on calibrations are given in the Supplementary Text.

Supplementary Fig. 4 The rate-through-time plot of endemic East Asian cyprinids. The red line represents the net diversification rate. The shaded area indicates the 95% Bayesian credible interval.

Supplementary Fig. 5 The time-calibrated phylogeny of Cyprinidae with egg types based on Bayesian inference analysis. Ancestral egg types for reconstructed nodes are represented by the following colors and letters: bule (A): adhesive; green (B): bivalve; cyan (C): demersal; red (D): nesting; yellow (E): semi-buoyant.

Supplementary Fig. 6 The time-calibrated phylogeny of endemic East Asian cyprinids with egg types based on the ancestral egg type reconstruction of Cyprinidae (Supplementary Fig. 5). Ancestral egg types for reconstructed nodes are represented by the following colors and letters: bule

(A): adhesive; cyan (C): demersal; yellow (E): semi-buoyant.

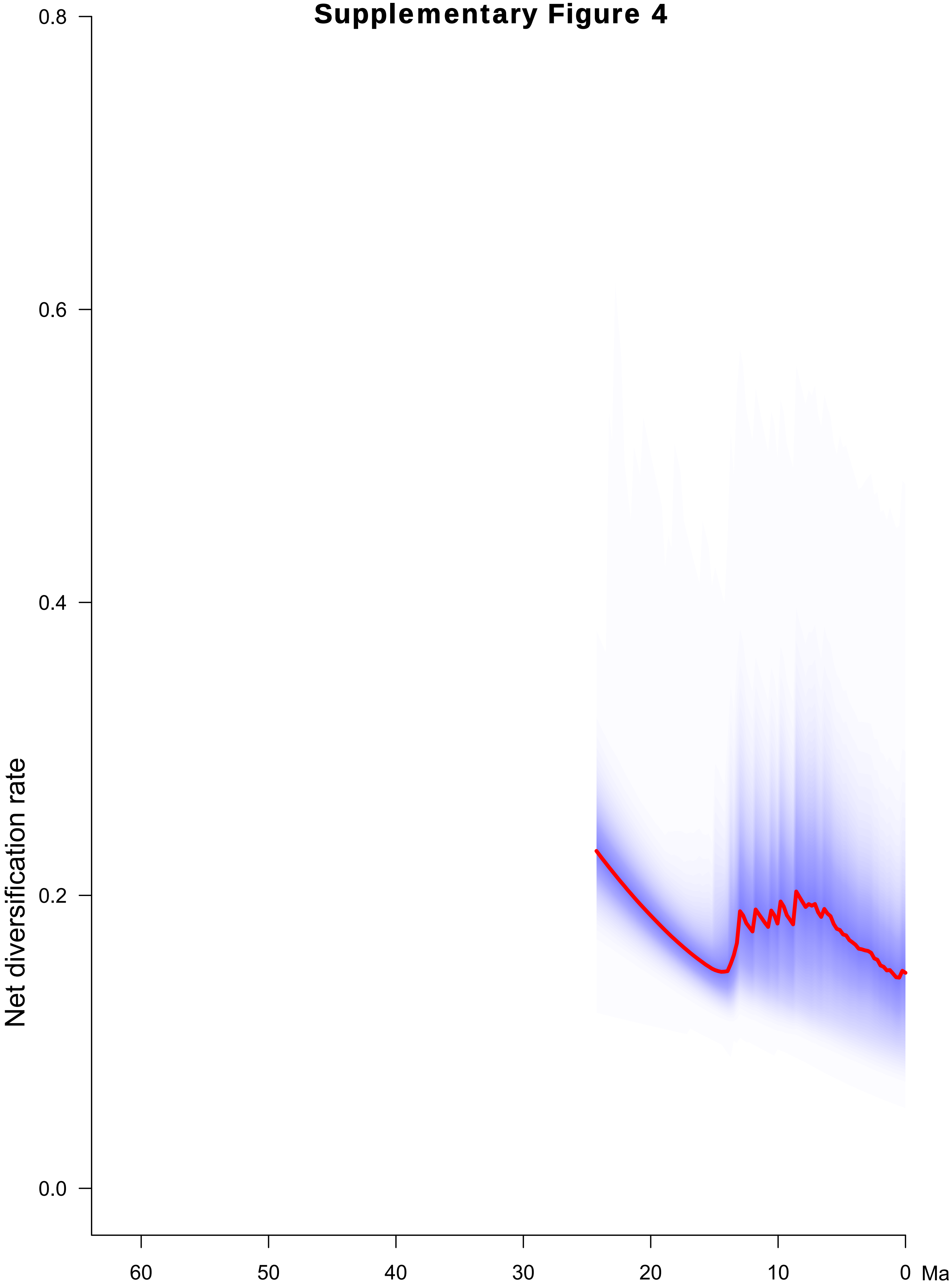
Supplementary Fig. 7 The time-calibrated phylogeny chronogram of schizothoracine fishes based on time tree of Cyprinidae (Supplementary Fig. 3). The gray bars indicate the 95% credibility interval of divergence time estimated.

Supplementary Figure 1

Supplementary Figure 2

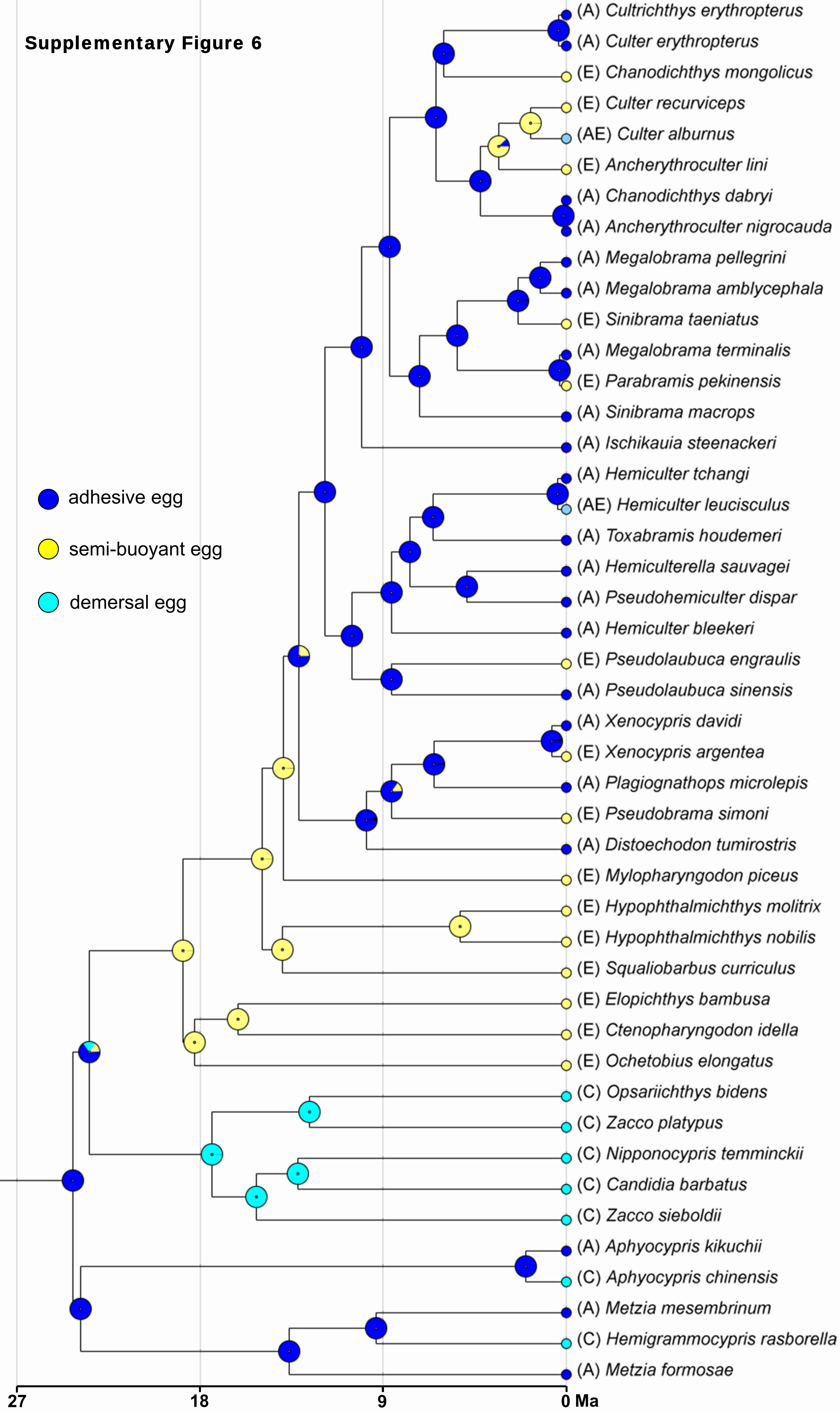
Supplementary Figure 5

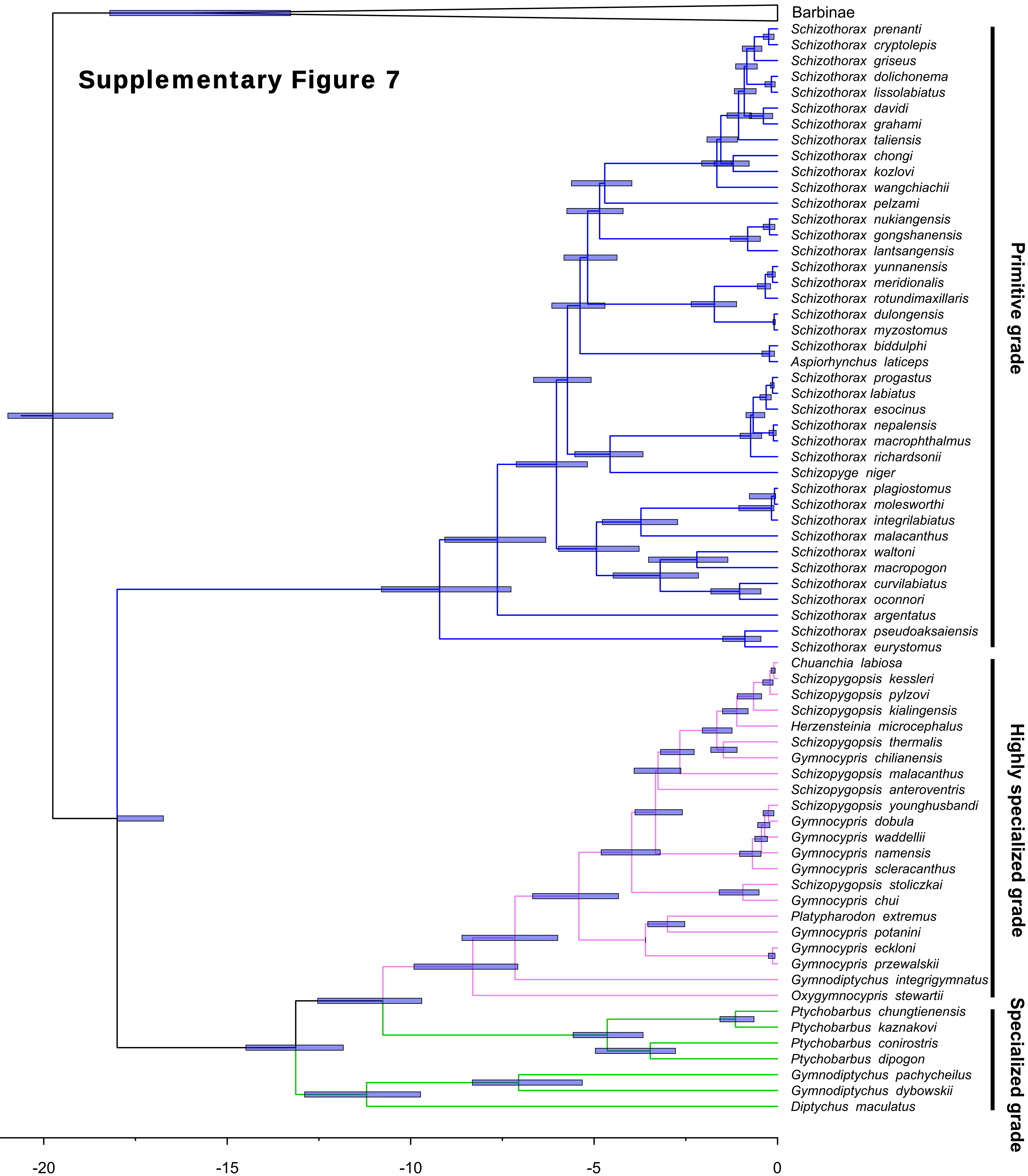
Supplementary Figure 4



Supplementary Figure 5

Supplementary Figure 6




Supplementary Figure 7
Barbinae
Schizothorax prenanti
Schizothorax cryptolepis
Schizothorax griseus
Schizothorax dolichonema
Schizothorax lissolabiatus
Schizothorax davidi
Schizothorax grahami
Schizothorax taliensis
Schizothorax chongi
Schizothorax kozlovi
Schizothorax wangchiachii
Schizothorax pelzami
Schizothorax nukiangensis
Schizothorax gongshanensis
Schizothorax lantsangensis
Schizothorax yunnanensis
Schizothorax meridionalis
Schizothorax rotundimaxillaris
Schizothorax dulongensis
Schizothorax myzostomus
Schizothorax biddulphi
Aspiorhynchus laticeps
Schizothorax progastus
Schizothorax labiatus
Schizothorax esocinus
Schizothorax nepalensis
Schizothorax macrophthalmus
Schizothorax richardsonii
Schizopyge niger
Schizothorax plagiostomus
Schizothorax molesworthi
Schizothorax integrilabiatus
Schizothorax malacanthus
Schizothorax waltoni
Schizothorax macropogon
Schizothorax curvilabiatus
Schizothorax oconnori
Schizothorax argentatus
Schizothorax pseudoaksaiensis
Schizothorax eurystomus
Chuanchia labiosa
Schizopygopsis kessleri
Schizopygopsis pylzovi
Schizopygopsis kialingensis
Herzensteinia microcephalus
Schizopygopsis thermalis
Gymnocypris chilianensis
Schizopygopsis malacanthus
Schizopygopsis anteroventris
Schizopygopsis younghusbandi
Gymnocypris dobula
Gymnocypris waddellii
Gymnocypris namensis
Gymnocypris scleracanthus
Schizopygopsis stoliczkai
Gymnocypris chui
Platypharodon extremus
Gymnocypris potanini
Gymnocypris eckloni
Gymnocypris przewalskii
Gymnodiptychus integrigymnatus
Oxygymnocypris stewartii
Ptychobarbus chungtienensis
Ptychobarbus kaznakovi
Ptychobarbus conirostris
Ptychobarbus dipogon
Gymnodiptychus pachycheilus
Gymnodiptychus dybowskii
Diptychus maculatus
Primitive grade
Highly specialized grade
Specialized grade
-20
-15
-10
-5
0

Supplementary Table 1 Summary of the locations, methods and ages of the palaeo-Jinshajiang flowing southward.

Location	Method	Age (Ma)	Data source
Gonjo and Jianchuan Basins	Cenozoic lithostratigraphy of the Jianchuan Basin and the $^{40}Ar/^{39}Ar$ dating and zircon U-Pb dating of Yunlong, Baoxiangsi, Jinsichang, Jiuziyan, Shuanghe and Jianchuan Formation	>35	(20)
Jianchuan Basin	new zircon U/Pb ages and one biotite $^{40}Ar/^{39}Ar$ age of Jianchuan and Shuanghe Formation	>36-35	(21)
Jianchuan Basin	apatite (U-Th-Sm)/He thermochronology for bedrock samples in the Laojunshan	30-20	(22)
Jianchuan Basin	cosmogenic nuclide burial ages for sediments collected from caves on the walls of the gorge near the First Bend of the Yangtze River	>18-9	(23)
Jianchuan Basin	electron spin resonance, cosmogenic nuclide ($^{26}Al/^{10}Be$) burial and optically stimulated luminescence dating for terraces at Jinjiangjie in the Middle Jinsha River	>5.5	(24)
Jianchuan Basin	$^{40}Ar/^{39}Ar$ dating for detrital micas from the Jianchuan basin	>5.3	(25)
Shigu and Jianchuan Basin	valley landform and sediment distribution	2.56-0.78	(26)
Tongdian and Madeng Basins	detrital zircon U-Pb age and cosmogenic ^{10}Be and ^{26}Al burial dating for fluvial sands in Tongdian, Madeng and Nanjian basins	~1.7	(27)
	time-calibrated phylogeny of *Percocypris*	>13.7	(28)
	time-calibrated phylogeny of *Schizothorax*	>7.1-6.4	(29)
	time-calibrated phylogeny of *Schizothorax*	>5.26	(30)

Supplementary Table 2 Summary of the methods and ages of the Yangtze River diverted eastward and incision of the Three Gorges.

Geological event	Method	Age (Ma)	Data source
The Yangtze River diverted eastward	the Nd isotope composition of sediments from the Hanoi Basin	>24	(31)
	trace element and Pb and Nd isotope for modern and ancient Red River-Song Hong sediments	>24	(32)
	the modern drainage basin geomorphology and sediments of the Yalong Thrust Belt	30-10	(33)
	cosmogenic nuclide burial ages for sediments collected from caves on the walls of the gorge near the First Bend of the Yangtze River	18-9	(23)
	electron spin resonance, cosmogenic nuclide ($^{26}Al/^{10}Be$) burial and optically stimulated luminescence dating for terraces at Jinjiangjie in the Middle Jinsha River	~5.5	(24)
	cosmogenic nuclides 10Be and 26Al for burial of the lacustrine sediments and fluvial gravels in the Middle Yangtze River	1.6–1.3	(34)
Incision of the Three Gorges	apatite fission-track and U-Th/He low-temperature thermochronology for the Huangling Granite near Sandouping	45-40	(35)
	LA-ICP-MS zircon U-Pb geochronology and heavy mineral analyses of the Jianghan Basin	~24.6	(36)
	$^{40}Ar/^{39}Ar$ dating of basalts and U-Pb dating of gravels in the Yangtze River	36.5-23	(37)
	detrital zircon U-Pb dating for Miocene sedimentary rocks from Taiwan and to estuary sands from modern rivers in SE China	>16	(38)
	Pb isotope compositions of detrital K-feldspars for Pliocene-Pleistocene sediments in the Jianghan Basin	>3.4	(39)
	detrital muscovite $^{40}Ar/^{39}Ar$ and zircon U-Pb for late Cenozoic sediments in the Jianghan Basin	3.57-0.78	(40)
	Nd isotopic analysis of the sediment in the Jianghan Basin	~2.6	(41)

	thermoluminescence and electron spin resonance for alluvial gravel layers and sediments in the Sichuan and Jianghan Basins and the Three Gorges	1.8-1.16	(42)
	paleomagnetic analysis of the down core sediments in the Jianghan Plain	1.17-1.12	(43)
	heavy minerals assemblage and chronology for the Yichang Gravel Layer deposits	~1.1	(44)
	palaeocurrent measurements, gravel characteristics, provenance studies, and sedimentary facies of stratigraphic outcrops in the Yichang area	<0.75	(45)

Supplementary Data

Information on the scientific names, taxonomic position, accession numbers of cytochrome *b* (Cyt *b*) sequences, distribution and egg type of the Cyprinidae in this study. Egg types of cyprinids were coded as A (adhesive), B (bivalve), D (demersal), N (nesting), S (semi-buoyant).

Subfamily	Species	Cyt *b*	Distribution	Egg type	Refferences
Acheilognathinae	*Tanakia tanago*	NC_027665.1	Asia: Kanto Mountains, Japan	B	(46)
Acheilognathinae	*Tanakia himantegus*	NC_027084.1	Asia: China and Taiwan.	B	(47)
Acheilognathinae	*Rhodeus amurensis*	KF410758.1	Asia: Amur river and Lake Khanka.	B	(48)
Acheilognathinae	*Rhodeus fangi*	NC_027437.1	Asia: Zhujiang, Changjiang, Huanghe and Heilongjiang rivers in China.	B	(48)
Acheilognathinae	*Rhodeus lighti*	NC_024885.1	Asia: Amur basin to southern China.	B	(48)
Acheilognathinae	*Rhodeus meridionalis*	KF410766.1	Europe: Aegean Sea from Vardar south to Pinios drainages.	B	(48)
Acheilognathinae	*Rhodeus sinensis*	NC_022721.1	Asia: China.	B	(48)
Acheilognathinae	*Rhodeus spinalis*	AB366526.1	Asia: China and Vietnam.	B	(48)
Acheilognathinae	*Rhodeus suigensis*	NC_013709.1	Asia: Japan and the Korean Peninsula.	B	(48)
Acheilognathinae	*Rhodeus uyekii*	NC_007885.1	Asia: South Korea.	B	(48)
Acheilognathinae	*Acheilognathus koreensis*	NC_013704.1	Asia: South Korea.	B	(48)
Acheilognathinae	*Acheilognathus signifer*	KF866185.1	Asia: Korea.	B	(48)
Acheilognathinae	*Acanthorhodeus chankaensis*	NC_023101.1	Asia: China, Korea and Russia.	B	(49)
Acheilognathinae	*Acheilognathus asmussii*	KF410698.1	Asia: Russia, Mongolia, China and Korea.	B	(49)
Acheilognathinae	*Acheilognathus barbatulus*	AB366444.1	Asia: Mekong basin in Laos and Yunnan, Nam Ma Basin; northern Viet Nam, southern China.	B	(49)
Acheilognathinae	*Acheilognathus barbatus*	NC_026872.1	Asia: Mingjiang River and Changjiang River in China.	B	(49)
Acheilognathinae	*Acheilognathus cyanostigma*	AB366449.1	Asia: Japan (Lake Biwa and Yogo).	B	(49)
Acheilognathinae	*Acheilognathus deignani*	KF410715.1	Asia: Mekong basin and northern Viet Nam.	B	(49)
Acheilognathinae	*Acheilognathus gracilis*	HQ113255.1	Asia: China.	B	(49)
Acheilognathinae	*Acheilognathus imberbis*	AB366450.1	Asia: Zhejiang, Shandong, Hubei, Hunan, Sichuan, Jiangsu provinces and Shanghai, China.	B	(49)
Acheilognathinae	*Acheilognathus melanogaster*	AB366462.1	Asia: Japan.	B	(49)

Acheilognathinae	*Acheilognathus meridianus*	NC_031152.1	Asia: China and probably northern Viet Nam.	B	(49)
Acheilognathinae	*Acheilognathus omeiensis*	NC_037404.1	Asia: upper reaches of Changjiang River in China.	B	(49)
Acheilognathinae	*Acheilognathus polylepis*	HQ113252.1	Asia: Hanjiang River, middle and lower reaches of Changjiang River in China.	B	(49)
Acheilognathinae	*Acheilognathus rhombeus*	NC_028433.1	Asia: Japan and the Korean Peninsula.	B	(49)
Acheilognathinae	*Acheilognathus tabira*	AB366472.1	Asia: Japan.	B	(49)
Acheilognathinae	*Acheilognathus tonkinensis*	AB366478.1	Asia: northern Viet Nam, southern China and Nam Mat basin in Laos.	B	(49)
Acheilognathinae	*Acheilognathus yamatsutae*	NC_013712.1	Asia: South Korea.	B	(49)
Acheilognathinae	*Acheilognathus somjinensis*	NC_013702.1	Asia: Korea.	B	(50)
Acheilognathinae	*Rhodeus atremius*	AB366496.1	Asia: Japan (Kyushu Island).	B	(51)
Acheilognathinae	*Rhodeus ocellatus*	NC_011211.1	Asia: Eastern Asia and Taiwan; Russia	B	(51)
Acheilognathinae	*Rhodeus laoensis*	AB369282.1	Asia: Nam Theun of the Mekong basin in Laos.	B	(52)
Acheilognathinae	*Rhodeus pseudosericeus*	AB366517.1	Asia: Gyonggi-do and Gangwon-do, Namhan River system, South Korea.	B	(52)
Acheilognathinae	*Acheilognathus majusculus*	NC_028736.1	Asia: Somjin and Nakdong River, South Korea.	B	(53)
Acheilognathinae	*Acheilognathus peihoensis*	AB366482.1	Asia: China	B	(53)
Acheilognathinae	*Acheilognathus striatus*	KF410740.1	Asia: China. Lower Yangtze River, Wuyuan County, Jiangxi Province.	B	(53)
Acheilognathinae	*Acheilognathus intermedia*	NC_013705.1	Asia. North Korea and Japan.	B	(53)
Acheilognathinae	*Acheilognathus longipinnis*	AB366451.1	Asia: Central and southern Japan.	B/A	(53)
Acheilognathinae	*Tanakia latimarginata*	NC_039820.1	Asia: Nakdong River drainage in South Korea.	A	(54)
Acheilognathinae	*Tanakia lanceolata*	NC_024566.1	Asia: Japan and the Korean Peninsula.	B	(55)
Acheilognathinae	*Tanakia limbata*	NC_025515.1	Asia: central and southern Japan.	B	(55)
Acheilognathinae	*Rhodeus amarus*	NC_031538.1	Europe: central and eastern Europe and northern Asia Minor	B	(56)
Acheilognathinae	*Rhodeus colchicus*	KF410763.1	Western Asia: West Transcaucasia, Georgia.	B	(56)
Acheilognathinae	*Rhodeus sericeus*	NC_025326.1	Asia. Amur basin and Sakhalin Island, Russia. Introduced elsewhere.	B	(56)
Acheilognathinae	*Acheilognathus macropterus*	NC_013711.1	Asia: China and northern Viet Nam. Reported from Amur River drainage in Russia	B/C	(57)
Acheilognathinae	*Rhodeus notatus*	NC_029718.1	Asia: China.	-	

Acheilognathinae	*Rhodeus shitaiensis*	NC_022690.1	Asia: Qiupu River in Anhui Province, China.	-	
Barbinae	*Acrossocheilus wenchowensis*	NC_020145.1	Asia: China.	A	(58)
Barbinae	*Aspiorhynchus laticeps*	NC_022855.1	Asia: Boston Lake and Yarkant River in Xinjiang Autonomous Region, China.	A	(59)
Barbinae	*Barbodes carnaticus*	HM010725.1	Asia: India.	C	(60)
Barbinae	*Schizothorax pseudoaksaiensis*	NC_024833.1	Asia: Basins of Lake Balkhash, Tarim and Lake Issykul and Ili river, Xijiang Autonomous Region, China	C	(61)
Barbinae	*Diptychus maculatus*	NC_025650.1	Asia: Pakistan, India, China (Tibet) and Nepal, former USSR	C	(62)
Barbinae	*Acrossocheilus yunnanensis*	NC_028527.1	Asia: China.	C	(47)
Barbinae	*Onychostoma macrolepis*	NC_023799.1	Asia: China.	C	(47)
Barbinae	*Onychostoma simum*	NC_021972.1	Asia: China and Vietnam.	C	(47)
Barbinae	*Ptychobarbus chungtienensis*	NC_034230.1	Asia: Zhongdian, Yunnan, China (type locality).	C	(47)
Barbinae	*Schizothorax prenanti*	NC_023829.1	Asia: China.	C	(47)
Barbinae	*Acrossocheilus beijiangensis*	NC_028206.1	Asia: China.	A	(63)
Barbinae	*Acrossocheilus iridescens*	NC_031551.1	Asia: Nam Xam and Nam Ma basins in Laos; Red River basin in Viet Nam and Yunnan, China; and southeastern China.	A	(63)
Barbinae	*Acrossocheilus longipinnis*	KY244136.1	Asia: China.	A	(63)
Barbinae	*Acrossocheilus parallens*	NC_026973.1	Asia: China.	A	(63)
Barbinae	*Gymnodiptychus dybowskii*	KJ081421.1	Asia: Balkhash Lake, Issky Kul Lake, Tarim River, Talas River, Allah Lake, Zaysan Lake	C	(64)
Barbinae	*Acrossocheilus hemispinus*	NC_022183.1	Asia: China.	C	(65)
Barbinae	*Schizothorax kozlovi*	NC_027670.1	Asia: China.	C	(66)
Barbinae	*Barbus aeneus*	AF180876.1	Africa: originally endemic to the Orange-Vaal River system, South Africa.	A	(67)
Barbinae	*Gymnocypris eckloni*	NC_019605.1	Asia: China.	C	(68)
Barbinae	*Luciobarbus sclateri*	NC_031532.1	Europe: Southern Spain and Portugal from Segura to Mira drainages.	A	(69)
Barbinae	*Cyprinion kais*	AF180860.1	Asia: endemic to the Tigris-Euphrates basin.	C	(70)

Barbinae	*Aulopyge huegelii*	NC_031520.1	Europe: Croatia (Cetina, Krka and Zrmanja drainages) and Bosnia-Herzegovina (Karstic streams in Glamocko, Livanjsko and Duvanjsko poljes, Lakes Busko and Blidinje).	A	(49)
Barbinae	*Barbus barbus*	NC_008654.1	Europe: North of the Pyrénées and Alps, from Adour (France) eastward to Neman (Lithuania, Russia) drainages, in rivers draining to Atlantic, North Sea and southern Baltic Sea; Danube to Dniepr drainages in northern Black Sea basin; southeastern England north to Yorkshire. Found almost throughout Mediterranean drainages of France. Locally introduced in northern and central Italy, rivers Wear, Tees and Medway and most western drainages of England.	A	(49)
Barbinae	*Barbus caninus*	AF287425.1	Europe: Adriatic basin, between Marecchia and Brenta drainages (Italy, Switzerland).	A	(49)
Barbinae	*Barbus carpathicus*	HG798332.1	Europe: Tisza system (Danube drainage), from Hron to Somes sub-systems, occasionally reaching to eastern Austria; upper Vistula drainage in Slovakia and Poland; Wierzyca system (lower Vistula drainage, Poland); upper Dniestr drainage in Poland and Ukraine.	A	(49)
Barbinae	*Barbus haasi*	AF045976.1	Europe: Mediterranean slope of Spain from Llobregat to Riudecanyes drainages.	A	(49)
Barbinae	*Schizopyge niger*	NC_022866.1	Asia: Kashmir Valley in India and Azad Kashmir in Pakistan.	A	(49)
Barbinae	*Barbus plebejus*	KC465949.1	Europe: Adriatic basin from Tronto to Krka drainages (Italy, Switzerland, Slovenia and Croatia).	C	(49)
Barbinae	*Barbus tauricus*	AF095605.1	Europe: restricted to seven streams of Crimea of the Black and Azov Sea basins. Asia: Turkey	C	(49)
Barbinae	*Tor douronensis*	NC_036512.1	Asia: Thailand east to Viet Nam and south to Indonesia	C	(49)

Barbinae	*Tor tambroides*	HM536824.1	Asia: Chao Phraya and Mekong basins, Malay Peninsula, Sumatra, Java, and Borneo	C	(49)
Barbinae	*Tor tor*	NC_027498.1	Asia: Pakistan, India, Bangladesh	C	(49)
Barbinae	*Barbus peloponnesius*	AF287438.1	Europe: endemic to the western Greece from Kalamas to Pamissos drainages.	D	(49)
Barbinae	*Luciobarbus rabatensis*	KY457918.1	Africa: Bou Regreg River basin in north Morocco	D	(49)
Barbinae	*Luciobarbus rifensis*	KY457946.1	Africa: north Morocco, from Loukos River basin on the western Atlantic slope to the Laou River basin on the eastern Mediterranean slope	D	(49)
Barbinae	*Tor khudree*	NC_027617.1	Asia: India and Sri Lanka.	D	(49)
Barbinae	*Luciobarbus brachycephalus*	KP712167.1	Europe and Asia: Southern and western Caspian Sea; Aral basin; River Chun (Kasakhstan).	E	(49)
Barbinae	*Probarbus jullieni*	NC_031525.1	Asia: Mekong, Chao Phraya and Meklong basins of Indo-China and Thailand, and the Pahang and Perak basins of Malaysia	E	(49)
Barbinae	*Schizothorax biddulphi*	NC_017873.1	Asia: Tarim River and Boston Lake, Xijiang Autonomous Region, China	C	(71)
Barbinae	*Labeobarbus natalensis*	MH936344.1（928）	Africa: Natal, widespread from the Mkuze southwards to the Umtamvuna on Transkei border.	A	(72)
Barbinae	*Schizothorax yunnanensis*	AY954286.1	Asia: Yunnan, Province, China.	C	(73)
Barbinae	*Acrossocheilus fasciatus*	NC_023378.1	Asia: China.	C	(74)
Barbinae	*Schizothorax macropogon*	NC_020339.1	Asia: Brahmaputra in Tibet and Xizang Autonomous Region, China	C	(75)
Barbinae	*Schizothorax wangchiachii*	DQ126121.1	Asia: China.	C	(76)
Barbinae	*Onychostoma angustistomata*	HQ235763.1	Asia: Yangtze River drainage in China.	A/C	(77)
Barbinae	*Luciobarbus esocinus*	KP712264.1	Asia: Iraq (Euphrates River).	A	(78)
Barbinae	*Neolissochilus benasi*	KC696527.1	Asia: Vietnam and China	C	(79)
Barbinae	*Arabibarbus grypus*	KP712260.1	Asia: Tigris-Euphrates basin in Iraq and Syria, rivers of southern Iran and possibly Orontes River	A	(80)
Barbinae	*Schizothorax davidi*	NC_026205.1	Asia: Sichuan and Yunnan provinces, China.	C	(81)
Barbinae	*Catlocarpio siamensis*	NC_031523.1	Asia: Maeklong, Mekong and Chao Phraya basins	E	(82)
Barbinae	*Chuanchia labiosa*	NC_029181.1	Asia: upper reaches of the Yellow River, China.	A	(83)

Barbinae	*Schizothorax chongi*	NC_024621.1	Asia: Jinshajiang river in Sichuan Province, China.	C	(84)
Barbinae	*Labeobarbus intermedius*	NC_031531.1	Africa: widely distributed throughout southern Ethiopia and into northern Kenya, certainly as far as Lake Baringo	A	(85)
Barbinae	*Labeobarbus brevicephalus*	GQ853205.1	Africa: endemic to Lake Tana and its tributaries, Ethiopia.	C	(85)
Barbinae	*Labeobarbus crassibarbis*	JQ716373.1	Africa: endemic to Lake Tana, Ethiopia.	C	(85)
Barbinae	*Labeobarbus macrophtalmus*	JQ716379.1	Africa: endemic to Lake Tana, Ethiopia.	C	(85)
Barbinae	*Labeobarbus megastoma*	JQ716380.1	Africa: endemic to Lake Tana and its tributaries, Ethiopia.	C	(85)
Barbinae	*Labeobarbus platydorsus*	JN887032.1	Africa: Endemic to Lake Tana, Ethiopia.	C	(85)
Barbinae	*Labeobarbus truttiformis*	JQ716386.1	Africa: Endemic to Lake Tana and its tributaries, Ethiopia.	C	(85)
Barbinae	*Spinibarbus caldwelli*	NC_022149.1	Asia: Laos, Viet Nam and China.	C	(86)
Barbinae	*Acrossocheilus monticola*	NC_022145.1	Asia: Yangtze River, China.	C	(87)
Barbinae	*Schizothorax macrophthalmus*	KP712253.1	Asia: endemic to Lake Rara in Nepal.	C	(88)
Barbinae	*Neolissochilus baoshanensis*	KJ994692.1	Asia: Nujiang (upper Salween) and Longchuanjiang (upper Irrawaddy) in Yunnan, China.	A	(89)
Barbinae	*Gymnocypris chilianensis*	FJ977361.1	Asia: China.	C	(90)
Barbinae	*Hypselobarbus kurali*	HM010731.1	Asia: India.	C	(91)
Barbinae	*Gymnocypris potanini*	NC_031813.1	Asia: China.	C	(92)
Barbinae	*Folifer brevifilis*	NC_031606.1	Asia: China, Viet Nam, Laos, Thailand and Myanmar.	A	(93)
Barbinae	*Oxygymnocypris stewartii*	NC_022718.1	Asia: Brahmaputra River in Tibet	C	(94)
Barbinae	*Luciobarbus capito*	NC_020338.1	Europe and Asia: Caspian basin, from Volga southward to Atrek (Iran); Aral basin in Amu Darya, Syr Darya and Chu drainages.	E	(95)
Barbinae	*Schizothorax dolichonema*	NC_023979.1	Asia: China.	C	(96)
Barbinae	*Gymnocypris przewalskii*	NC_008661.1	Asia: China.	C	(97)
Barbinae	*Schizothorax grahami*	NC_029708.1	Asia: China.	C	(98)
Barbinae	*Schizopygopsis malacanthus*	NC_024880.1	Asia: China.	C	(99)
Barbinae	*Gymnocypris waddellii*	KC782666.1	Asia: China.	C	(100)

Barbinae	*Spinibarbus denticulatus*	NC_021616.1	Asia: Laos, northern Viet Nam and southeastern China, Hainan.	C	(101)
Barbinae	*Capoeta damascina*	NC_031522.1	Eurasia: Jordan River drainage basin, the entire Levant, Mesopotamia and parts of southern Turkey.	A	(102)
Barbinae	*Schizothorax oconnori*	KT188671.1	Asia: Brahmaputra in Tibet.	C	(103)
Barbinae	*Platypharodon extremus*	NC_029171.1	Asia: Qinghai Tibetan Plateau, China	C	(104)
Barbinae	*Gymnodiptychus pachycheilus*	FJ601034.1	Asia: Yellow River and Yangtze River in China.	C	(105)
Barbinae	*Spinibarbus hollandi*	NC_026129.1	Asia: Taiwan.	C	(106)
Barbinae	*Acrossocheilus jishouensis*	NC_034917.1	Asia: China.	-	
Barbinae	*Acrossocheilus kreyenbergii*	NC_024844.1	Asia: China from the Xi Jiang basin in Guangxi Province, Xin Jiang, Chang Jiang and Le'an Jiang basins in Jiangxi Province, Ling Jiang basin in Zhejiang Province, and lower Yangtze River basin in southern Anhui Province.	-	
Barbinae	*Acrossocheilus paradoxus*	NC_029453.1	Asia: Taiwan and mainland China	-	
Barbinae	*Acrossocheilus spinifer*	NC_034918.1	Asia: Fujian Province and Guangdong Province China.	-	
Barbinae	*Acrossocheilus wuyiensis*	NC_034919.1	Asia: Fujian, China.	-	
Barbinae	*Arabibarbus arabicus*	KF876022.1	Asia: wadis of the south-western Arabian Peninsula in southern Arabia and Yemen	-	
Barbinae	*Arabibarbus hadhrami*	KF876024.1	Asia: Wadi Hadhramaut/Wadi al Masila drainage basin in Yemen	-	
Barbinae	*Barbodes wynaadensis*	KP712195.1	Asia: known only from India.	-	
Barbinae	*Barbus balcanicus*	GQ302798.1	Europe: Adriatic basin: Soca drainage (Italy, Slovenia). Danube drainage: upper Save, Archar, Krupaja, Vlasinsko and Nera systems, possibly more widespread in upper Danube drainage. Aegean basin: Gallikos, Vardar, Loudias and Aliakmon drainages (Greece, Macedonia).	-	
Barbinae	*Barbus borysthenicus*	AY331026.1	Europe	-	

Barbinae	*Barbus ciscaucasicus*	KP712172.1	Europe and Asia: Western Caspian Sea, from Terek to Samur drainages in northern Caucasus, Daghestan and Azerbaijan.	-
Barbinae	*Barbus cyclolepis*	HQ167606.1	Europe and Asia: Aegean Sea basin, from Vistonis drainage eastward (Greece, Bulgaria, Turkey); Black Sea basin, few rivers in Thracian Turkey, northwards to Istranca.	-
Barbinae	*Barbus cyri*	MK108287.1	Asia: Southern Caspian basin in Kura-Aras drainage from the headwaters in Turkey to Azerbaijan and Iran; Atrak River and Urmia Lake basins.	-
Barbinae	*Barbus euboicus*	AF090785.1	Europe: streams of southern half of Evia (Euboea) Island, Greece.	-
Barbinae	*Barbus kubanicus*	MK108278.1	Europe: Kuban drainage and Sea of Azov close to Kuban estuary.	-
Barbinae	*Barbus lacerta*	AF145935.1	Asia: Euphrates and Tigris drainages.	-
Barbinae	*Barbus macedonicus*	AF112129.1	Europe: Greece and Macedonia in Vardar, Aliakmon and Pinios drainages.	-
Barbinae	*Barbus meridionalis*	AF112130.1	Europe: rivers draining to Mediterranean from Besos (near Barcelona, northeastern Spain) to Var (at Nice, southeastern France) drainages, including Rhône as far uprivers as Lyon; some headwaters of Garonne basin in Ariège, Tarn and Aveyron (France), apparently native in most, but introduced in at least some upper Tarn localities	-
Barbinae	*Barbus prespensis*	GQ302767.1	Europe: Prespa Lakes basin in Albania, Greece and Macedonia.	-
Barbinae	*Barbus rebeli*	GQ302803.1	Euorpe: Adriatic basin, from Drin to Aoos drainages, including Lakes Skadar and Ohrid (Montenegro, Albania, Macedonia, Greece).	-
Barbinae	*Barbus sperchiensis*	AF090783.1	Europe: Greece in Sperchios, Pinios and Cholorema drainages, streams in northern extremity of Evia (Eubea) Island.	-

Barbinae	*Barbus strumicae*	AF112134.1	Europe: Aegean Sea basin, from Volvi to Nestos drainages in Greece, Macedonia, and Bulgaria.	-
Barbinae	*Barbus thessalus*	AF090781.1	Europe: Greece.	-
Barbinae	*Barbus tyberinus*	AF397300.1	Europe: endemic to Italy: Tyrrhenian Sea basin, between rivers at Genova and Sele drainage; Adriatic basin, from Essino to Ofanto drainages.	-
Barbinae	*Capoeta aculeata*	NC_031549.1	Asia: Iran.	-
Barbinae	*Capoeta angorae*	HQ167620.1	Asia: Turkey.	-
Barbinae	*Capoeta antalyensis*	GQ424023.1	Asia: Turkey.	-
Barbinae	*Capoeta baliki*	GQ424020.1	Asia: Turkey.	-
Barbinae	*Capoeta banarescui*	GQ423992.1	Asia: Turkey.	-
Barbinae	*Capoeta barroisi*	KY065284.1	Asia: Tigris-Euphrates basin.	-
Barbinae	*Capoeta bergamae*	JF798281.1	Asia: Turkey.	-
Barbinae	*Capoeta buhsei*	JF798283.1	Asia: Lake Namak, Iran.	-
Barbinae	*Capoeta caelestis*	KY065261.1	Asia: Göksu drainage in southern Anatolia, Turkey.	-
Barbinae	*Capoeta capoeta*	HM536882.1	Asia: Baluchistan in Pakistan, and western Asia, former USSR	-
Barbinae	*Capoeta ekmekciae*	GQ424027.1	Asia: Çoruh River in Turkey.	-
Barbinae	*Capoeta erhani*	KY065281.1	Asia: Ceyhan River in Turkey.	-
Barbinae	*Capoeta ferdowsii*	KM459663.1	Asia: Zohreh and Fahlian Rivers in Tigris river drainage, Iran.	-
Barbinae	*Capoeta kosswigi*	JF798321.1	Asia: Turkey.	-
Barbinae	*Capoeta mandica*	KM459657.1	Asia: Iran.	-
Barbinae	*Capoeta mauricii*	KY065272.1	Asia: Lake Beysehir drainage in Turkey.	-
Barbinae	*Capoeta pyragyi*	KM459675.1	Asia: Tireh and Sezar Rivers, Tigris River drainage in Iran.	-
Barbinae	*Capoeta razii*	KU167921.1	Asia: many rivers and streams of the southern Caspian Sea basin in Iran.	-
Barbinae	*Capoeta saadii*	JF798327.1	Asia: Iran.	-
Barbinae	*Capoeta sevangi*	JF798302.1	Asia: Lake Sevan, Armenia.	-

Barbinae	*Capoeta shajariani*	KU167947.1	Asia: Gamasiab, Dinevar, Qarasu, Khoram (Khoram Abad), Aran and Sarab-e Maran Rivers in the Tigris River drainage, Iran.	-
Barbinae	*Capoeta sieboldii*	KY065258.1	Asia: Turkey, western Transcaucasia.	-
Barbinae	*Capoeta tinca*	GQ424010.1	Asia: endemic to Turkey.	-
Barbinae	*Capoeta trutta*	AF145949.1	Asia: Tigris-Euphrates basin.	-
Barbinae	*Capoeta turani*	JF798335.1	Asia: Seyhan drainage in Turkey.	-
Barbinae	*Capoeta umbla*	KY065270.1	Asia: Tigris and Euphrates.	-
Barbinae	*Carasobarbus apoensis*	KU525009.1	Asia: Al Hijaz mountain range in wadis draining either inland or towards the Red Sea in Saudi Arabia	-
Barbinae	*Carasobarbus canis*	KU524926.1	Eurasia: streams and lakes of the Jordan River basin and coastal rivers of the Mediterranean Sea in Israel	-
Barbinae	*Carasobarbus chantrei*	KU524959.1	Asia: Orontes River drainage in Syria and Turkey	-
Barbinae	*Carasobarbus exulatus*	KU524908.1	Asia: Wadi Hadramaut and Wadi Maran, Yemen	-
Barbinae	*Carasobarbus fritschii*	KU525005.1	Africa: coastal rivers in northern and central Morocco, also from Oued Kiss in Algeria	-
Barbinae	*Carasobarbus harterti*	KU524977.1	Africa: Oued Oum Er-Rbia and Oued Tensift in Morocco	-
Barbinae	*Carasobarbus kosswigi*	KU524934.1	Asia: endemic to the Tigris-Euphrates basin.	-
Barbinae	*Carasobarbus luteus*	KU524965.1	Asia: Tigris River; Kor River; Lake Maharlu; Gulf and Hormuz basins; Iraq and Syria.	-
Barbinae	*Carasobarbus sublimus*	KU524932.1	Asia: Iran and Iraq	-
Barbinae	*Cyprinion macrostomum*	KP712263.1	Asia: Tigris-Euphrates basin.	-
Barbinae	*Cyprinion semiplotum*	NC_031556.1	Asia: India, Nepal and upper Myanmar.	-
Barbinae	*Gymnocypris chui*	KY461347.1	Asia: Tibet.	-
Barbinae	*Gymnocypris dobula*	KY461359.1	Asia: China.	-
Barbinae	*Gymnocypris namensis*	KC782652.1	Asia: Xizang, China.	-
Barbinae	*Gymnocypris scleracanthus*	NC_036349.1	Asia: China.	-
Barbinae	*Gymnodiptychus integrigymnatus*	GU214388.1	Asia: Longchuanjiang River in Tangchong, Yunnan, China.	-
Barbinae	*Herzensteinia microcephalus*	NC_033403.1	Asia: China.	-
Barbinae	*Hypselobarbus curmuca*	HM010720.1	Asia: India.	-

Barbinae	*Hypselobarbus dobsoni*	KP998070.1	Asia: Western Ghats, India.	-
Barbinae	*Hypselobarbus dubius*	HM010721.1	Asia: India.	-
Barbinae	*Hypselobarbus jerdoni*	NC_031587.1	Asia: south Karnataka, Kerala, Tamil Nadu and Maharashtra in India.	-
Barbinae	*Hypselobarbus kolus*	HM010723.1	Asia: endemic to India.	-
Barbinae	*Hypselobarbus lithopidos*	HM010727.1	Asia: India.	-
Barbinae	*Hypselobarbus micropogon*	HM010730.1	Asia: headwaters of Cauvery in Nilgiri, Wynaad and Karnataka in India	-
Barbinae	*Hypselobarbus mussullah*	KP998071.1	Asia: India.	-
Barbinae	*Hypselobarbus periyarensis*	HM010729.1	Asia: Periyar Lake in Kerala, India.	-
Barbinae	*Hypselobarbus pulchellus*	NC_032081.1	Asia: Karnataka, India.	-
Barbinae	*Hypselobarbus thomassi*	NC_033917.1	Asia: Karnataka and Kerala in India.	-
Barbinae	*Labeobarbus acutirostris*	JN887030.1	Africa: Endemic to Lake Tana, Ethiopia.	-
Barbinae	*Labeobarbus altianalis*	MH484603.1	Africa: known from the Middle Akagera, Rusizi River, Lake Kivu, Lake Edward, Lake George, Lake Victoria and Lake Kyoga drainages, and northern Lake Tanganyika	-
Barbinae	*Barbus bynni*	KF668045.1	Africa: Nile River and lakes once connected to the Nile system; Chad, Niger, Senegal, Volta, Ouémé and Ogun river basins; coastal rivers (Sassandra, Bandama, Niouniourou, Comoé and Tano) of Côte d'Ivoire and Ghana, west of the Volta basin.	-
Barbinae	*Labeobarbus caudovittatus*	JX097076.1	Africa: middle and upper Congo River system from Pool Malebo up to the Luapula, in Democratic Republic of the Congo, Angola and Zambia, also in Lake Tanganyika and associated rivers such as the Ruzizi	-
Barbinae	*Labeobarbus compiniei*	KP712200.1	Africa: Lower Guinea endemic, present in the rivers of Gabon and the Republic of Congo	-
Barbinae	*Labeobarbus dainellii*	GQ853210.1	Africa: Endemic to Lake Tana, Ethiopia.	-
Barbinae	*Barbus ethiopicus*	KU524942.1	Africa: Endemic to Ethiopia.	-

Barbinae	*Barbus gananensis*	JN887038.1	Africa: Juba and Awata Rivers in Somalia. Reported from the Wabi Shebele basin in Ethiopia	-
Barbinae	*Labeobarbus gorgorensis*	JQ716375.1	Africa: Endemic to Lake Tana, Ethiopia.	-
Barbinae	*Labeobarbus gorguari*	JN887029.1	Africa: Endemic to Lake Tana, Ethiopia.	-
Barbinae	*Labeobarbus johnstonii*	KF668035.1	Africa: Lake Malawi basin	-
Barbinae	*Labeobarbus longissimus*	GQ853216.1	Africa: Endemic to Lake Tana, Ethiopia.	-
Barbinae	*Labeobarbus nedgia*	JQ716376.1	Africa: Lake Tana and other sites in Ethiopia.	-
Barbinae	*Labeobarbus surkis*	JQ716381.1	Africa: Lake Tana and other sites in Ethiopia.	-
Barbinae	*Labeobarbus tsanensis*	JQ716384.1	Africa: endemic to Lake Tana, Ethiopia.	-
Barbinae	*Lepidopygopsis typus*	KF113569.1	Asia: Periyar river and lake in Kerala, India.	-
Barbinae	*Luciobarbus biscarensis*	MH042693.1	Africa: Algeria	-
Barbinae	*Luciobarbus bocagei*	KY457957.1	Europe: Atlantic slope of Spain and Portugal, from Lima to Sado drainages.	-
Barbinae	*Luciobarbus callensis*	KY828022.1	Africa: Algeria, Morocco and Tunisia	-
Barbinae	*Luciobarbus graellsii*	JF798258.1	Europe: Spain from Ebro to Ter drainages on Mediterranean slope and westward to Ason drainage on Atlantic slope.	-
Barbinae	*Luciobarbus guercifensis*	KX681692.1	Africa: Moulouya River in Morocco	-
Barbinae	*Luciobarbus guiraonis*	KY457955.1	Europe: Spain in streams draining to Mediterranean, between Vinalopo and (but not including) Ebro drainages, and in a few headwaters of Guadiana drainage.	-
Barbinae	*Luciobarbus leptopogon*	KY828003.1	Africa: Algeria	-
Barbinae	*Luciobarbus maghrebensis*	KY457961.1	Africa: Sebou basin and rivers flowing into the Moulay Bouselham Lagoon on the Atlantic slope in north-central Morocco	-
Barbinae	*Luciobarbus magniatlantis*	KU257529.1	Africa: Tensift River basin in Morocco	-
Barbinae	*Luciobarbus microcephalus*	KY457954.1	Europe: Guadiana drainage in Spain & Portugal; records from the middle Tago in Spain need verification	-
Barbinae	*Luciobarbus mursa*	JF798263.1	Asia: Karaj River, 30 kilometers from Teheran, Iran	-
Barbinae	*Luciobarbus nasus*	KU257539.1	Africa: Kasab River basin in Morocco	-

Barbinae	*Luciobarbus pallaryi*	MH042690.1	Africa: Oued Zousfana, Oued Guir and Oued Noun in Morocco	-
Barbinae	*Luciobarbus setivimensis*	KY457910.1	Africa: coastal rivers in northeast Algeria	-
Barbinae	*Luciobarbus yahyaouii*	KY457951.1	Africa: Moulouya River in Morocco	-
Barbinae	*Mesopotamichthys sharpeyi*	KF876032.1	Asia: endemic to the Tigris-Euphrates basin.	-
Barbinae	*Neolissochilus hendersoni*	KP659423.1	Asia: Malay Peninsula.	-
Barbinae	*Neolissochilus heterostomus*	KJ994713.1	Asia: Longchuanjiang and Dayingjiang (upper Irrawaddy), Yunnan, China.	-
Barbinae	*Neolissochilus hexastichus*	KP712236.1	Asia: Salween basin and Indian rivers	-
Barbinae	*Neolissochilus stracheyi*	NC_031555.1	Asia: Myanmar through Thailand and possibly to the Cardamon Range, Cambodia. Known from Salween, Maeklong, Chao Phraya, Mekong and Peninsular and Southeast Thailand river systems	-
Barbinae	*Onychostoma alticorpus*	NC_021473.1	Asia: Taiwan and China.	-
Barbinae	*Onychostoma barbatulum*	NC_021644.1	Asia: China, including Taiwan.	-
Barbinae	*Onychostoma barbatum*	NC_019630.1	Asia: China.	-
Barbinae	*Onychostoma elongatum*	KP712152.1	Asia: Laos and Viet Nam.	-
Barbinae	*Onychostoma fangi*	NC_031529.1	Asia: China and Viet Nam.	-
Barbinae	*Onychostoma gerlachi*	NC_026549.1	Asia: Reported from the Chao Phraya and Mekong basins and Annam, Nam Ma basin, Red River and Nanpangjiang basins	-
Barbinae	*Onychostoma lini*	NC_018043.1	Asia: China.	-
Barbinae	*Onychostoma meridionale*	NC_031603.1	Asia: Cambodia and in the Mekong basin in Laos.	-
Barbinae	*Onychostoma minnanensis*	HM142549.1	Asia: Julong River Basin in Fujian Province, southern China.	-
Barbinae	*Onychostoma ovale*	JX074246.1	Asia: China and Vietnam.	-
Barbinae	*Osteobrama cotio*	KF574721.1	Asia: Pakistan, India, Nepal and Bangladesh.	-
Barbinae	*Osteochilichthys thomassi*	KP712258.1	Asia: Western Ghats of Karnataka, India.	-
Barbinae	*Ptychobarbus conirostris*	KY461361.1	Asia: India, Pakistan and Tibet. Reported from Afghanistan	-
Barbinae	*Ptychobarbus dipogon*	NC_024537.1	Asia: Brahmaputra River in Tibet.	-
Barbinae	*Ptychobarbus kaznakovi*	NC_025303.1	Asia: Tibet.	-

Barbinae	*Scaphiodonichthys acanthopterus*	NC_018789.1	Asia: Mekong, Nam Xam, Da and Chao Phraya basins.	-
Barbinae	*Scaphiodonichthys burmanicus*	NC_031605.1	Asia: northern Thailand to Cambodia and southern Viet Nam. Reported from the lower Myanmar	-
Barbinae	*Schizopygopsis anteroventris*	NC_029190.1	Asia: China.	-
Barbinae	*Schizopygopsis kessleri*	DQ309366.1	Asia: China.	-
Barbinae	*Schizopygopsis kialingensis*	DQ309364.1	Asia: Jialingjiang River in Gansu Province, China.	-
Barbinae	*Schizopygopsis pylzovi*	NC_026206.1	Asia: China.	-
Barbinae	*Schizopygopsis stoliczkai*	NC_032398.1	Asia: Afghanistan, Pakistan, India and Tibet	-
Barbinae	*Schizopygopsis thermalis*	DQ309367.1	Asia: Tibet.	-
Barbinae	*Schizopygopsis younghusbandi*	KF745826.1	Asia: Brahmaputra River in Tibet.	-
Barbinae	*Schizothorax argentatus*	AF180861.1	Asia: Lake Balkhash basin, Kazakhstan and Ili river, Suiding, Huocheng, Emin counties, Xinjiang Autonomous Region	-
Barbinae	*Schizothorax cryptolepis*	HQ235773.1	Asia: China.	-
Barbinae	*Schizothorax curvilabiatus*	NC_035994.1	Asia: Medog and Chayü (Zayü) counties of Xizang autonomous region, lower reaches of Yerlung Zangbo river, China.	-
Barbinae	*Schizothorax dulongensis*	AY954284.1	Asia: Irowadijiang river, Gongshan, Lushui, Tangchong counties of Yunnan province, China.	-
Barbinae	*Schizothorax esocinus*	NC_022867.1	Asia: Afghanistan, Pakistan, India. Also reported from Nepal and China	-
Barbinae	*Schizothorax eurystomus*	NC_036933.1	Asia: Uzbekistan and China	-
Barbinae	*Schizothorax gongshanensis*	NC_031803.1	Asia: China.	-
Barbinae	*Schizothorax griseus*	EU158040.1	Asia: Jinshajiang and Nanpanjiang rivers, Guiyanng and Weining, Guizhou province, China	-
Barbinae	*Schizothorax integrilabiatus*	NC_036746.1	Asia: Xizang, China.	-
Barbinae	*Schizothorax labiatus*	NC_023365.1	Asia: India, Nepal, Pakistan, Afghanistan and Tibet	-
Barbinae	*Schizothorax lantsangensis*	NC_026294.1	Asia: China.	-
Barbinae	*Schizothorax lissolabiatus*	NC_027162.1	Asia: China.	-

Barbinae	*Schizothorax malacanthus*	AY954277.1	Asia: Da Yingjiang river, upper reaches of Irowadijiang river, Yingjiang county, Yunnan province, China.	-	
Barbinae	*Schizothorax meridionalis*	AY954287.1	Asia: China.	-	
Barbinae	*Schizothorax molesworthi*	DQ126130.1	Asia: India and China.	-	
Barbinae	*Schizothorax myzostomus*	GQ406331.1	Asia: Gongshan, Lushui and Tangchong counties, Yunnan province, China.	-	
Barbinae	*Schizothorax nepalensis*	NC_031537.1	Asia: Nepal.	-	
Barbinae	*Schizothorax nukiangensis*	NC_027940.1	Asia: China.	-	
Barbinae	*Schizothorax pelzami*	KP712175.1	Former USSR and Asia: Rivers of Turkmenia from the Murgab and Tedzhen (including its basin within the borders of Iran) to the Germab River at Geok-tepe.	-	
Barbinae	*Schizothorax plagiostomus*	NC_023531.1	Asia: Afghanistan and Pakistan to Tibet. In India often lumped under Schizothorax richardsonii.	-	
Barbinae	*Schizothorax progastus*	NC_023366.1	Asia: India and Nepal and Bhutan	-	
Barbinae	*Schizothorax richardsonii*	KF612599.1	Asia: Himalayan region of India, Sikkim and Bhutan, Nepal, Pakistan, and Afghanistan.	-	
Barbinae	*Schizothorax rotundimaxillaris*	AY954283.1	Asia: Tanchong county, Yunnan province, China.	-	
Barbinae	*Schizothorax waltoni*	NC_020606.1	Asia: Brahmaputra river in Tibet.	-	
Barbinae	*Schizothorax taliensis*	NC_037516.1	Asia: Erhai Lake in Yunnan, China.	-	
Barbinae	*Puntius chelynoides*	JQ795463.1	Asia: India and Nepal.	-	
Barbinae	*Tor hemispinus*	KJ994676.1	Asia: China.	-	
Barbinae	*Tor malabaricus*	NC_036383.1	Asia: India.	-	
Barbinae	*Tor qiaojiensis*	GQ406316.1	Asia: China.	-	
Barbinae	*Tor sinensis*	NC_022702.1	Asia: Mekong basin.	-	
Barbinae	*Tor tambra*	NC_036511.1	Asia: Java, Borneo, Malay Peninsula and the Mekong basin.	-	
Barbinae	*Tor yingjiangensis*	KJ994712.1	Asia: Upper Irrawaddy River basin in Yunnan, China	-	
Cyprininae	*Barbonymus altus*	NC_031521.1	Asia: Mekong and Chao Phraya basins	E	(107)
Cyprininae	*Puntioplites falcifer*	HM536805.1	Asia: Mekong basin.	E	(107)
Cyprininae	*Puntioplites proctozystron*	NC_031553.1	Asia: Maeklong, Chao Phraya and Mekong basins and Malay Peninsula.	E	(107)

Cyprininae	*Barbodes gonionotus*	AF180822.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra and Java. Occurs throughout the whole stretch on the Mekong, from the delta around the saline intrusion zone to Chiang Khong in Thailand	A	(108)
Cyprininae	*Pseudobarbus afer*	AF180851.1	Africa: Sundays River, Swartkops River and Baakens River systems, which discharge into Algoa Bay, in South Africa	C	(109)
Cyprininae	*Pseudobarbus asper*	AF180850.1	Africa: Groot (Gamtoos system) and larger tributaries of the Gourits system, South Cape, South Africa.	C	(109)
Cyprininae	*Carassius auratus*	NC_002079.1	Asia: central Asia and China and Japan	A	(47)
Cyprininae	*Carassioides cantonensis*	KC696558.1	Asia: Viet Nam and China.	A	(63)
Cyprininae	*Procypris mera*	NC_025770.1	Asia: China	A	(63)
Cyprininae	*Barbonymus schwanenfeldii*	NC_024274.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra and Borneo.	A	(110)
Cyprininae	*Barbus fasciolatus*	NC_031616.1	Africa: Cunene, Okavango, upper and middle Zambezi River systems including the Kafue. Present in the upper Kasai and in the upper Congo River basin in the middle and upper Luapula system, including the Luongo River, and in the Bangweulu swamps	A	(49)
Cyprininae	*Carassius carassius*	NC_006291.1	Eurasia: North, Baltic, White, Barents, Black and Caspian Sea basins; Aegean Sea basin only in Maritza drainage; eastward to Kolyma drainage (Siberia); westward to Rhine and eastern drainages of England. Absent from North Sea basin in Sweden and Norway. In Baltic basin north to about 66°N.	A	(49)
Cyprininae	*Carassius gibelio*	NC_014177.1	Europe and Asia: usually considered as native from central Europe to Siberia or introduced to European waters from eastern Asia.Absent in northern Baltic basin, Iceland, Ireland, Scotland and Mediterranean islands.	A	(49)
Cyprininae	*Cyprinus carpio*	NC_001606.1	Europe to Asia: Black, Caspian and Aral Sea basins.	A	(49)

Cyprininae	*Barbus anoplus*	AF112405.2	Africa: Widely distributed from Limpopo to upland Natal, Transkei and the middle and upper Orange basin, including the Karoo. Absent from the lower Orange. Present in the coastal rivers of the Cape (Olifants, Gourits, Gamtoos, Sundays and Great Fish) but absent from Cape Fold Mt. streams.	A	(49)
Cyprininae	*Barbus paludinosus*	AF287437.1	Africa: ranges from Ethiopia in the north, through East and Central Africa, extending westwards into Angola and reaching the southern-most limits of its distribution in Natal. In the Congo basin known from Lake Mweru, Luapula, upper Lualaba, Lufira and upper Lulua	A	(49)
Cyprininae	*Procypris rabaudi*	NC_011192.1	Asia: middle and upper reaches of Yangtze River, China.	A	(49)
Cyprininae	*Puntigrus partipentazona*	NC_031610.1	Asia: Mekong and Chao Phraya basins, the Mae Khlong basin (Thailand), the Malay Peninsula, and coastal streams of south-east Thailand and Cambodia.	A	(49)
Cyprininae	*Sawbwa resplendens*	NC_031526.1	Asia: Inle lake in Myanmar.	A	(49)
Cyprininae	*Systomus sarana*	KF574739.1	Asia: Afghanistan, Pakistan, India, Nepal, Bangladesh, Bhutan and Sri Lanka. Reported from Myanmar and Thailand	A	(49)
Cyprininae	*Hampala macrolepidota*	NC_029149.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula and Indonesia.	A	(111)
Cyprininae	*Sahyadria denisonii*	NC_021973.1	Asia: endemic to India.	A	(112)
Cyprininae	*Hypsibarbus malcolmi*	HM536816.1	Asia: Mekong, Chao Phraya and Mae Khlong basins and Malay Peninsula	E	(113)
Cyprininae	*Barbonymus gonionotus*	NC_008655.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra and Java. Occurs throughout the whole stretch on the Mekong, from the delta around the saline intrusion zone to Chiang Khong in Thailand	E	(82)
Cyprininae	*Cyclocheilichthys enoplos*	NC_023231.1	Asia: Thailand, Laos, Cambodia and Viet Nam to Indonesia and Malaysia.	E	(82)

Cyprininae	*Hampala dispar*	KP712166.1	Asia: endemic to the Mekong basin.	A	(114)
Cyprininae	*Cyprinus rubrofuscus*	KP712248.1	Asia: Laos, Viet Nam and China. Amur to Red River drainages	A	(115)
Cyprininae	*Cyprinus pellegrini*	JX042203.1	Asia: China.	A	(116)
Cyprininae	*Puntius sarana*	HM010726.1	Asia: Afghanistan, Pakistan, India, Nepal, Bangladesh, Bhutan and Sri Lanka	A	(117)
Cyprininae	*Sinocyclocheilus grahami*	NC_013189.1	Asia: China.	C	(118)
Cyprininae	*Cyprinus acutidorsalis*	NC_028418.1	Asia: China.	A	(119)
Cyprininae	*Cyprinus multitaeniata*	NC_028419.1	Asia: China and Viet Nam.	A	(120)
Cyprininae	*Albulichthys albuloides*	NC_031557.1	Asia: Mekong, Chao Phraya and Mae Khlong basins and Borneo.	-	
Cyprininae	*Amblyrhynchichthys truncatus*	NC_031519.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra, Western and South Borneo	-	
Cyprininae	*Anematichthys repasson*	JQ346145.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra, Java and Borneo.	-	
Cyprininae	*Balantiocheilos melanopterus*	NC_031552.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra and Borneo.	-	
Cyprininae	*Barbodes aurotaeniatus*	NC_031619.1	Asia: Mekong, Chao Phraya and small coastal drainages of the Gulf of Thailand.	-	
Cyprininae	*Barbodes banksi*	KP659422.1	Asia: Malaysia and Indonesia.	-	
Cyprininae	*Barbodes binotatus*	NC_034755.1	Asia: Myanmar and from Mekong of Thailand through Indonesia	-	
Cyprininae	*Barbodes everetti*	KP712227.1	Asia: Borneo and Sumatra.	-	
Cyprininae	*Barbodes lateristriga*	NC_031588.1	Asia: Malay Peninsula to Borneo.	-	
Cyprininae	*Barbodes rhombeus*	KP659413.1	Asia: Mekong basin, Chao Phraya and Meklong basins and peninsular Thailand north of isthmus of Kra.	-	
Cyprininae	*Barboides britzi*	EF151089.1	Africa: Ouémé River basin, southern Benin	-	
Cyprininae	*Barboides gracilis*	NC_031550.1	Africa: occurs in small coastal rivers in Benin and southern Nigeria	-	

Cyprininae	*Barbus eburneensis*	NC_031617.1	Africa: Guinean species known from region of Mount Nimba: upper basins of Cavally, Nipoué, Niger and St. Paul	-
Cyprininae	*Barbus hulstaerti*	NC_031530.1	Africa: Momboyo, Tshuapa and Pimo (Lomami tributary) (middle Congo River basin) in Democratic Republic of the Congo	-
Cyprininae	*Barbus pobeguini*	NC_033914.1	Africa: Sudanian basins of Niger, Senegal, Gambia and Volta; also found in certain coastal basins like Comoé, Bandama and Sassandra Rivers in Côte d'Ivoire, and Tominé River in Guinea. Also known from Adrar Mountains in Mauritania and Bandingara Plateau in Mali.	-
Cyprininae	*Carassioides acuminatus*	NC_031430.1	Asia: Viet Nam and China.	-
Cyprininae	*Carassius cuvieri*	NC_010768.1	Asia: Japan and Taiwan.	-
Cyprininae	*Carassius langsdorfii*	FJ169953.1	Asia: Japan.	-
Cyprininae	*Chagunius baileyi*	JX066765.1	Asia: Salween basin. Recorded from Myanmar and Thailand	-
Cyprininae	*Chagunius chagunio*	NC_031613.1	Asia: India, Bangladesh and Nepal	-
Cyprininae	*Chagunius nicholsi*	KP712246.1	Asia: India and Myanmar.	-
Cyprininae	*Clypeobarbus congicus*	KP659414.1	Africa: Congo River basin, from the lower Congo near its estuary up to the upper Lualaba, in Democratic Republic of the Congo.	-
Cyprininae	*Clypeobarbus pleuropholis*	NC_031627.1	Africa: Chad basin and throughout the Congo basin, from the lower Congo up to the upper Lualaba	-
Cyprininae	*Cosmochilus cardinalis*	KC696544.1	Asia: Mekong River in Yunnan, China.	-
Cyprininae	*Cosmochilus harmandi*	NC_031612.1	Asia: Chao Phraya and Mekong basins.	-
Cyprininae	*Cyclocheilichthys armatus*	HM536827.1	Asia: Mekong, Chao Phraya and Xe Bangfai basins, Malaysia, Indonesia and the Philippines.	-
Cyprininae	*Cyclocheilichthys heteronema*	NC_031618.1	Asia: Chao Phraya and Mekong basins, Malay Peninsula, Borneo.	-
Cyprininae	*Cyclocheilichthys janthochir*	NC_031524.1	Asia: Indonesia (Kapuas, Southern Borneo)	-
Cyprininae	*Cyprinus megalophthalmus*	NC_028417.1	Asia: Yunnan, China.	-

Cyprininae	*Dawkinsia tambraparniei*	NC_031614.1	Asia: Tambraparni River basin in India.	-
Cyprininae	*Desmopuntius hexazona*	KP659416.1	Asia: Malay Peninsula, Borneo, Sumatra (Indonesia), and Singapore. Found in the Mekong basin	-
Cyprininae	*Desmopuntius johorensis*	KP712178.1	Asia: Malay Peninsula to Borneo.	-
Cyprininae	*Desmopuntius pentazona*	KP712181.1	Asia: Malay Peninsula to Sumatra, Indonesia.	-
Cyprininae	*Desmopuntius rhomboocellatus*	KP659412.1	Asia: West and Central Kalimantan in Borneo, Indonesia.	-
Cyprininae	*Eirmotus octozona*	HM536819.1	Asia: Thailand and western Borneo.	-
Cyprininae	*Enteromius ablabes*	MF135228.1	Africa: wide distribution area, known from the Sahelian as well as from coastal basins. Identification of collections from the upper Koto River drainage (Ubangi tributary, middle Congo River basin) in Central African Republic needs confirmation.	-
Cyprininae	*Enteromius anema*	MF135225.1	Africa: Nile River, but also reported from the Chad and Niger basins	-
Cyprininae	*Enteromius apleurogramma*	MH484568.1	Africa: widely distributed, in Aswa River, Lake Victoria basin including affluent rivers and Akagera system, Lake Edward-George system, Lake Kivu basin, Lake Tanganyika, Rusizi River, Malagarazi River and Lake Rukwa drainage, also in coastal river basins in Kenya and Tanzania, in the lower Lukuga River (upper Congo River basin) and in the Ennedi Plateau of Chad	-
Cyprininae	*Barbus aspilus*	KP659406.1	Africa: rivers Dja (middle Congo River basin), Nyong and Sanaga in Cameroon.	-
Cyprininae	*Barbus baudoni*	KP712198.1	Africa: Chad, Volta, Gambia, Sassandra and Bandama basins in Côte d'Ivoire, Senegal and Niger.	-
Cyprininae	*Barbus bigornei*	AY004752.1	Africa: Little Scarcies basin and in the west of Côte d'Ivoire and the east of Liberia	-
Cyprininae	*Barbus brazzai*	KP712199.1	Africa: present in the Ogowe, Ntem and Nyong Rivers. In the middle Congo River basin known from	-

			the Sangha, Ubangi, Tshuapa and from the lower Lomami to the lower Lualaba	
Cyprininae	*Enteromius cadenati*	MF135224.1	Africa: captured only in the Konkouré basin in the Labé plateau in Fonta Djalou, Guinea	-
Cyprininae	*Barbus callipterus*	KP712230.1	Africa: known from coastal basins in Benin to Cameroon, Chad basin and Benue River system, Bagoé (Niger basin). Also present in Ghana, Côte d'Ivoire, Senegal, Cameroon and Equatorial Guinea	-
Cyprininae	*Barbus camptacanthus*	KP712231.1	Africa: widespread from Cameroon to the Chiloango River basin. Extends westwards as far as the Niger delta	-
Cyprininae	*Barbus castrasibutum*	KF791272.1	Africa: only known from the type locality: Fort Sibut, Ubangi system (middle Congo River basin), Central African Republic	-
Cyprininae	*Enteromius dialonensis*	MF135222.1	Africa: known from the eastern drainage of the Fouta-Djalon (Upper Gambia, Upper Niger and Upper Senegal) and from the Upper Bafing Rivers (Senegal system)	-
Cyprininae	*Enteromius foutensis*	MF135220.1	Africa: oriental Slope of Fouta-Djalon: upper reaches of the Gambia River, Bafing River, Little Scarcies River and the Niger	-
Cyprininae	*Enteromius guildi*	MF135218.1	Africa: only known from the upper reaches of the River Hedjo (Volta basin) near the Togo and Ghanaian borders	-
Cyprininae	*Enteromius guineensis*	MF135216.1	Africa: known from the Upper Konkouré River system in the Fouta Djalon in Guinea	-
Cyprininae	*Barbus guirali*	KF791271.1	Africa: Sanaga basin in Cameroon to the Chiloango drainage in Republic of the Congo, including the basins of the Ntem, Nyong, Ogooué, Nyanga and Kouilou-Niari	-
Cyprininae	*Barbus gurneyi*	AF287432.1	Africa: Natal, from the Umtamvuna northwards to the Amatikulu, north of the Tugela basin.	-

Cyprininae	*Barbus holotaenia*	KF791274.1	Africa: Sanaga (Cameroon) to Chiloango basin (Republic of the Congo), also in the Chad basin. Widespread in the Congo River basin, from the lower Congo to the middle Luapula	-
Cyprininae	*Enteromius huguenyi*	MF135214.1	Africa: known from the Diani river (Saint Paul river basin) in Guinea and the Loffa River basin in Liberia	-
Cyprininae	*Barbus humilis*	KT958257.1	Africa: Lake Tana, Ethiopia	-
Cyprininae	*Enteromius jacksoni*	MH484598.1	Africa: found in Lake Victoria basin, Lake Rukwa basin, Pangani River, Bubu River and Malagarazi River and Lake Kitangiri in Tanzania, also in Kenya and in Malawa River in Uganda	-
Cyprininae	*Barbus jae*	KP712205.1	Africa: various rivers from the Wouri in Cameroon to the Kouilou-Niari in Republic of Congo and the Chiloango basin, also in the lower and middle Congo River in Cameroon, Republic of Congo and Democratic Republic of the Congo, up to the lower Lualaba	-
Cyprininae	*Enteromius kerstenii*	MH484571.1	Africa: Cunene, Okavango, upper Zambezi, tributaries of the lower Zambezi, Save-Runde, Pungwe, Buzi and Kafue systems, also Lake Victoria, Tanganyika, Edward and Kivu basins, Lake Malawi system, the upper Congo system and coastal river basins in Kenya and Tanzania	-
Cyprininae	*Barbus leonensis*	JX074245.1	Africa: present in large Sudanese basins (Chad, Niger, Volta, Senegal, Gambia), but also in the Comoé and Bandama Rivers in Côte d'Ivoire, and Rokel, Jong and Moa Rivers in Sierra Leone	-
Cyprininae	*Enteromius liberiensis*	MF135213.1	Africa: Sierra Leone and Liberia	-
Cyprininae	*Barbus macinensis*	KP712162.1	Africa: widespread in the Sudanian region including the basins of the Chad, Niger, Senegal, Volta, Comoé, Bandama and Sassandra	-

Cyprininae	*Enteromius macrops*	MF135212.1	Africa: widely distributed in savannah area of West Africa, including Chad basin, Niger, Volta, Mono, Ouémé, Gambia, Senegal and other coastal basins	-
Cyprininae	*Barbus martorelli*	KP712169.1	Africa: Lower Guinea endemic, present in river basins from Cameroon to the Republic of Congo, including the Sanaga, Nyong, Ntem, Woleu/Mbini, Ogooué, Nyanga; Loémé and Kouilou-Niari. Also collected in the Dja and Kadei (Sangha River drainage, middle Congo River basin) in Cameroon	-
Cyprininae	*Barbus mattozi*	AF180838.1	Africa: Limpopo system, headwaters of Gwai-Zambezi (Zimbabwe), Kwando (upper Zambezi) and Cunene, also in the Quanza in Angola and the upper Lualaba (upper Congo River basin) in Democratic Republic of the Congo	-
Cyprininae	*Barbus motebensis*	AF287435.1	Africa: Limpopo River system in Transvaal, South Africa and Usutu River in Swaziland; and upper Lufira system (upper Congo River basin) in Democratic Republic of the Congo.	-
Cyprininae	*Enteromius neumayeri*	MH484600.1	Africa: widely distributed in eastern Africa (Kenya, Uganda), Lakes Tanganyika and Basuto, Rwanda, Lake Victoria and its tributaries and Semliki River, also in the (lower) Lukuga and the Luama	-
Cyprininae	*Enteromius nyanzae*	MH484596.1	Africa: Lake Victoria and affluent streams and rivers. Also found in Middle Akagera system in Rwanda	-
Cyprininae	*Barbus perince*	KP712158.1	Africa: Nile River, Volta basin, Lakes Chad, Albert, Edward, Benué River, Chad and Niger basin	-
Cyprininae	*Enteromius pleurogramma*	KP712245.1	Africa: Lake Tana in Ethiopia.	-
Cyprininae	*Barbus prionacanthus*	KP712203.1	Africa: Lower Guinea endemic, widespread in Gabon	-
Cyprininae	*Enteromius profundus*	MH484559.1	Africa: endemic to Lake Victoria	-
Cyprininae	*Enteromius punctitaeniatus*	MF135199.1	Africa: known from the basins of the Chad, Niger and Volta. Also reported from the coastal basins of Côte d'Ivoire and the Cross River in Cameroon	-

Cyprininae	*Enteromius salessei*	MF135198.1	Africa: Fouta Djalon region in Guinea (upper Gambia, Bafing, upper Konkouré and the upper basins of the Little Scarcies rivers)	-
Cyprininae	*Enteromius stigmatopygus*	MF135196.1	Africa: widely distributed in the Nilo-sudanian basins, and known from the Bandama, Comoé and Cross rivers	-
Cyprininae	*Enteromius subinensis*	MF135195.1	Africa: only known from the Subin River, Pra Basin, Ghana	-
Cyprininae	*Barbus sublineatus*	AF180837.1	Africa: known from Niger, Volta, Senegal, Gambia, Comoé, Bandama, Mono, Ouémé and Cross basins.	-
Cyprininae	*Barbus taeniurus*	KP659407.1	Africa: Kienké (=Kribi), Ntem and Dja (middle Congo River basin) in Cameroon.	-
Cyprininae	*Barbus tanapelagius*	AY740730.1	Africa: Lake Tana.	-
Cyprininae	*Barbus thysi*	KP659408.1	Africa: Lower Guinea endemic, present in coastal rivers of southwestern Cameroon and Fernando Póo (=Bioko) in Equatorial Guinea	-
Cyprininae	*Barbus tiekoroi*	KP659410.1	Africa: Konkouré and Kolenté Rivers in Guinea and Little Scarcies in Sierra Leone	-
Cyprininae	*Barbus trimaculatus*	NC_008666.1	Africa: Zambezi River system, Lake Ngami and Cubango rivers; Lake Malawi and the Ruo River; Lake Bangweulu and associated rivers; Luapula and upper Lualaba rivers; Orange, Limpopo, Comati and Vaal Rivers systems; Kunene and Cubango Rivers. East coast from Ruvuma, Tanzania to Umvoti, Natal, also Orange, Cunene and Zambian Congo systems	-
Cyprininae	*Barbus trispilos*	KP712232.1	Africa: known from the Guinean basins to the west of the Volta and from Côte d'Ivoire basins up to the Nipoué (=Cess)	-
Cyprininae	*Puntius fasciatus*	JX074247.1	Asia: endemic to southern India.	-
Cyprininae	*Puntius melanampyx*	EU241458.1	Asia: Goa, south Canara through Travancore hills to Nagercoil and Nilgiris, Cauvery drainage in Western Ghats, India.	-

Cyprininae	*Hypsibarbus salweenensis*	NC_031620.1	Asia: restricted to Salween basin.	-
Cyprininae	*Hypsibarbus vernayi*	NC_031621.1	Asia: Mekong, Chao Phraya and Meklong basins.	-
Cyprininae	*Hypsibarbus wetmorei*	JQ346137.1	Asia: Maeklong, Mekong and Chao Phraya basins; Malay Peninsula.	-
Cyprininae	*Luciocyprinus striolatus*	NC_029436.1	Asia: Mekong basin in Laos and Yunnan, China.	-
Cyprininae	*Mystacoleucus atridorsalis*	MH688206.1	Asia: Mekong basin.	-
Cyprininae	*Mystacoleucus ectypus*	AB822534.1	Asia: Mekong basin in Laos, Thailand and Cambodia.	-
Cyprininae	*Mystacoleucus lepturus*	KC696543.1	Asia: Mekong basin.	-
Cyprininae	*Mystacoleucus marginatus*	NC_023106.1	Asia: Mekong, Chao Phraya and Meklong basins, Malay Peninsula, Borneo, Sumatra and Java. Recorded from Myanmar	-
Cyprininae	*Puntius oligolepis*	HM536820.1	Asia: Sumatra, Indonesia. Has been transported worldwide and recorded from natural waters in Colombia	-
Cyprininae	*Oreichthys cosuatis*	HM536822.1	Asia: India, Bangladesh, Thailand and Myanmar	-
Cyprininae	*Osteobrama cunma*	NC_031559.1	Asia: India and Myanmar.	-
Cyprininae	*Osteobrama feae*	NC_031560.1	Asia: Myanmar and China.	-
Cyprininae	*Osteobrama vigorsii*	KF574718.1	Asia: India.	-
Cyprininae	*Pethia conchonius*	NC_022856.1	Asia: Afghanistan, Pakistan, India, Nepal, and Bangladesh. Reported from Myanmar. Introduced worldwide and now very popular with aquarists.	-
Cyprininae	*Pethia cumingii*	KP712177.1	Asia: endemic to Sri Lanka. Occurs mainly at the south western wet zone, from the Kelani to the Gin basins. Range extends north of the Kelani, into the swamps around Gampaha (Attanagalu Oya) and northwards. Introduced into the Perdeniya Gardens in the Mahaweli basin and is well established between Gampola and Ginigathena (Sri Lanka).	-
Cyprininae	*Pethia longicauda*	KJ681102.1	Asia: Hiranyakeshi River in Maharashtra, India.	-
Cyprininae	*Pethia lutea*	KJ681103.1	Asia: Maharashtra State, India.	-
Cyprininae	*Pethia narayani*	KP712173.1	Asia: endemic to India.	-

Cyprininae	*Pethia nigripinna*	MG199967.1	Asia: Moyar River drainage in the Nilgiris and the Kalindi Stream in the Wyanad area of the southern Western Ghats, India.	-
Cyprininae	*Pethia padamya*	KP712225.1	Asia: Myanmar. Known only from the type locality, an artificial pond in Toe Gyi village, situated just above the Anisakan Falls, near Pyin Oo Lwin, on the road Mandalay-Hsipaw, and from the lower Chindwin River.	-
Cyprininae	*Pethia phutunio*	KJ681108.1	Asia: Pakistan, India, Bangladesh and Myanmar.	-
Cyprininae	*Pethia pookodensis*	MG199969.1	Asia: Pookode Lake in Kerala, India.	-
Cyprininae	*Pethia punctata*	KJ681107.1	Asia: India and Sri Lanka.	-
Cyprininae	*Pethia setnai*	KF977531.1	Asia: Goa, India.	-
Cyprininae	*Puntius ticto*	NC_008658.1	Asia: Pakistan, India, Nepal, Sri Lanka, Bangladesh, Myanmar and Thailand. Occurs in the upper Mekong, Salween, Irrawaddy, Meklong and upper Chao Phraya basins	-
Cyprininae	*Poropuntius bantamensis*	NC_031604.1	Asia: Mekong and Chao Phraya basins.	-
Cyprininae	*Poropuntius bolovenensis*	KY319822.1	Asia: endemic to the Bolovens Plateau in the Sekong watershed of the lower Mekong basin in southern Laos.	-
Cyprininae	*Poropuntius carinatus*	KC631278.1	Asia: Mekong and Salween basins.	-
Cyprininae	*Poropuntius huangchuchieni*	HQ235769.1	Asia: Yunnan, China.	-
Cyprininae	*Poropuntius krempfi*	KJ994666.1	Asia: Nam Ma basin in Laos, Red River basin in northern Viet Nam, and Mekong basin in Yunnan, China	-
Cyprininae	*Poropuntius lobocheiloides*	KY319833.1	Asia: Xe Nam Noi of the Mekong basin in Laos.	-
Cyprininae	*Poropuntius normani*	NC_031589.1	Asia: Mekong basin.	-
Cyprininae	*Poropuntius opisthopterus*	KJ994668.1	Asia: Nujiang river system in Yunnan, China.	-
Cyprininae	*Poropuntius solitus*	KY319858.1	Asia: Xe Nam Noy basin in Mekong, Laos.	-
Cyprininae	*Pseudobarbus burgi*	AF180849.1	Africa: Occurs in the Berg River system and Verlorenvlei Rivers, southwest Cape. Probably extinct in the Eerste River, Cape Province, South Africa	-

Cyprininae	*Pseudobarbus phlegethon*	AF287452.1	Africa: tributaries of the Clanwilliam Olifants River, Cape Province, South Africa.	-
Cyprininae	*Pseudobarbus tenuis*	AF287454.1	Africa: mountain tributaries of the Gourits and Keurbooms River systems, Cape Province, South Africa.	-
Cyprininae	*Puntius tetrazona*	NC_010110.1	Asia: Sumatra and Borneo. Introduced widely and has been reared in several countries in facilities for breeding aquarium fishes	-
Cyprininae	*Puntioplites waandersi*	HM536829.1	Asia: Indochina to Sumatra, Borneo and Malaya.	-
Cyprininae	*Puntius bimaculatus*	EU241451.1	Asia: India and Sri Lanka.	-
Cyprininae	*Puntius brevis*	HM536815.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula and Java.	-
Cyprininae	*Puntius chola*	KP712212.1	Asia: Pakistan, India, Nepal, Bangladesh, Sri Lanka and Myanmar	-
Cyprininae	*Puntius paucimaculatus*	KJ994716.1	Asia: China.	-
Cyprininae	*Puntius sahyadriensis*	NC_033916.1	Asia: Yenna River in Satara District, Maharashtra, India.	-
Cyprininae	*Puntius sophore*	KF574541.1	Asia: Pakistan, India, Nepal, Bangladesh, Myanmar and Yunnan, China, Bhutan and Afghanistan	-
Cyprininae	*Puntius terio*	KP712218.1	Asia: Pakistan, India, Bangladesh and Myanmar	-
Cyprininae	*Puntius titteya*	AF287455.1	Asia: Kelani to Nilwala basins, Sri Lanka. The more colorful varieties are possibly being overfished for the aquarium trade.	-
Cyprininae	*Puntius vittatus*	JQ795458.1	Asia: Pakistan, India and Sri Lanka.	-
Cyprininae	*Puntius chalakkudiensis*	NC_018566.1	Asia: Chalakkudy river, Kerala, India	-
Cyprininae	*Scaphognathops bandanensis*	NC_031615.1	Asia: Mekong basin in Laos, Thailand and Cambodia.	-
Cyprininae	*Scaphognathops stejnegeri*	HM536807.1	Asia: Mekong basin in Laos, Thailand, Cambodia and Viet Nam.	-
Cyprininae	*Sikukia flavicaudata*	KC696539.1	Asia: Mekong basin in Laos and Yunnan, China.	-
Cyprininae	*Sikukia gudgeri*	NC_031586.1	Asia: Mekong and Chao Phraya basins.	-
Cyprininae	*Sikukia stejnegeri*	GQ406315.1	Asia: Mekong, Chao Phrya and Meklong basins and Malay Peninsula.	-

Cyprininae	*Sinocyclocheilus altishoulderus*	NC_013186.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus anatirostris*	AY854708.1	Asia: Bailang Subterranean River in Guangxi, China	-
Cyprininae	*Sinocyclocheilus angustiporus*	AY854702.1	Asia: Guizhou and Yunnan Provinces in China.	-
Cyprininae	*Sinocyclocheilus anophthalmus*	NC_023472.1	Asia: Yunnan, China.	-
Cyprininae	*Sinocyclocheilus anshuiensis*	NC_027169.1	Asia: Guangxi, China.	-
Cyprininae	*Sinocyclocheilus bicornutus*	NC_031382.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus cyphotergous*	AY854711.1	Asia: Guizhou, China.	-
Cyprininae	*Sinocyclocheilus furcodorsalis*	NC_019995.1	Asia: Guizhou, China.	-
Cyprininae	*Sinocyclocheilus guishanensis*	AY854722.1	Asia: Yunnan, China.	-
Cyprininae	*Sinocyclocheilus huaningensis*	AY854718.1	Asia: Yunnan, China.	-
Cyprininae	*Sinocyclocheilus hyalinus*	AY854721.1	Asia: Yunnan, China.	-
Cyprininae	*Sinocyclocheilus jii*	NC_037197.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus jiuxuensis*	AY854737.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus lateristriatus*	AY854707.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus lingyunensis*	AY854693.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus longibarbatus*	AY854714.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus macrocephalus*	AY854684.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus macrolepis*	AY854729.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus macrophthalmus*	AY854735.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus maculatus*	EU366193.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus maitianheensis*	AY854710.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus malacopterus*	AY854700.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus microphthalmus*	AY854690.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus multipunctatus*	AY854713.1	Asia: Cuiyang and Huishui in Guizhou Province, China.	-
Cyprininae	*Sinocyclocheilus oxycephalus*	NC_037858.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus purpureus*	EU366194.1	Asia: China.	-
Cyprininae	*Sinocyclocheilus qujingensis*	NC_043910.1	Asia: Yunnan, China.	-
Cyprininae	*Sinocyclocheilus rhinocerous*	NC_027168.1	Asia: Yunnan, China.	-
Cyprininae	*Sinocyclocheilus tingi*	NC_039594.1	Asia: Fuxian Lake in Yunnan, China.	-
Cyprininae	*Sinocyclocheilus wumengshanensis*	NC_039769.1	Asia: Yunnan, China.	-
Cyprininae	*Sinocyclocheilus xunlensis*	EU366190.1	Asia: China.	-

Cyprininae	*Sinocyclocheilus yangzongensis*	AY854726.1	Asia: China.	-	
Cyprininae	*Sinocyclocheilus yimenensis*	EU366192.1	Asia: China.	-	
Cyprininae	*Sinocyclocheilus yishanensis*	AB196445.1	Asia: China.	-	
Cyprininae	*Striuntius lineatus*	KP712213.1	Asia: Malaysia and Indonesia.	-	
Cyprininae	*Systomus orphoides*	NC_031527.1	Asia: South-east Asia	-	
Cyprininae	*Discherodontus ashmeadi*	NC_031590.1	Asia: Mekong and Maeklong basins	-	
Cyprininae	*Discherodontus schroederi*	NC_031591.1	Asia: Mekong and Chao Phraya basins.	-	
Danioninae	*Devario aequipinnatus*	HM224273.1	Asia: India and Nepal to Indochina.	C	(121)
Danioninae	*Rasbora lateristriata*	NC_032723.1	Asia: Indonesia (Sumatra to Sumbawa). A single specimen found in Malum River, Tawi-Tawi, Philippines	C	(122)
Danioninae	*Boraras brigittae*	EU241414.1	Asia: southern Borneo, Indonesia.	C	(49)
Danioninae	*Boraras maculatus*	EU241415.1	Asia: Malay Peninsula to Sumatra, Indonesia.	C	(49)
Danioninae	*Rasbora vaterifloris*	NC_015531.1	Asia: restricted to the Kalu basin, Sri Lanka.	C	(49)
Danioninae	*Rasbora daniconius*	NC_015527.1	Asia: Mekong, Chao Phraya and Salween basins, northern Malay Peninsula, westwards to the Indus and Sri Lanka.	C	(123)
Danioninae	*Chela dadiburjori*	EF452746.1	Asia: Tamil Nadu to Goa in India.	C	(124)
Danioninae	*Horadandia atukorali*	NC_015544.1	Asia: Sri Lanka.	C	(125)
Danioninae	*Danio kerri*	HM224266.1	Asia: Malay Peninsula.	C	(126)
Danioninae	*Danio albolineatus*	NC_029771.1	Asia: Myanmar to Laos and the island of Sumatra, Indonesia	C	(127)
Danioninae	*Inlecypris auropurpurea*	EF452743.2	Asia: Inle lake basin in Myanmar.	C	(127)
Danioninae	*Barilius bendelisis*	NC_015533.1	Asia: Pakistan, India, Nepal, Bangladesh and Sri Lanka, Bhutan and Myanmar	C	(128)
Danioninae	*Trigonostigma espei*	NC_015535.1	Asia: Thailand and Cambodia.	A	(129)
Danioninae	*Trigonostigma heteromorpha*	EU241477.1	Asia: Thailand (Narathiwat southwards) to Sumatra, Indonesia.	A	(129)
Danioninae	*Danio rerio*	NC_002333.2	Asia: Pakistan, India, Bangladesh, Nepal and Myanmar	C	(130)
Danioninae	*Amblypharyngodon chulabhornae*	HM224255.1	Asia: Chao Phraya basin in Thailand and Mekong basin in Thailand, Laos and Cambodia	-	

Danioninae	*Amblypharyngodon mola*	HM224256.1	Asia: Pakistan, India, Bangladesh and Myanmar	-
Danioninae	*Barilius barila*	HM224257.1	Asia: India, Nepal, Bangladesh and Myanmar.	-
Danioninae	*Boraras merah*	HM224359.1	Asia: western and southern Borneo.	-
Danioninae	*Boraras urophthalmoides*	HM224372.1	Asia: Vietnam	-
Danioninae	*Brevibora dorsiocellata*	EU241466.1	Asia: Malay Peninsula and Indonesia.	-
Danioninae	*Cabdio morar*	NC_015536.1	Asia: Iran, Afghanistan, Pakistan, India, Nepal, Bangladesh, Myanmar and Thailand.	-
Danioninae	*Chela cachius*	EF452745.2	Asia: Pakistan, India, Bangladesh and Myanmar.	-
Danioninae	*Chelaethiops bibie*	HM224261.1	Africa: Nile River and Webi Shebeli. Also present in the Niger, Bénoué and Volta basin, but absent in Chad basin	-
Danioninae	*Chelaethiops elongatus*	JX197006.1	Africa: Congo River system, from the lower Congo up to the upper Lualaba, in Democratic Republic of the Congo, Republic of Congo and Central African Republic.	-
Danioninae	*Danio choprai*	EF452740.1	Asia: Irrawaddy in northern Myanmar.	-
Danioninae	*Danio dangila*	NC_015525.1	Asia: India, Bangladesh, Nepal and Myanmar	-
Danioninae	*Danio erythromicron*	EF151095.1	Asia: endemic to Lake Inle, Myanmar.	-
Danioninae	*Danio feegradei*	EF452732.2	Asia: Rakhine Yoma in Myanmar.	-
Danioninae	*Danio kyathit*	HM224267.1	Asia: upper parts of three right bank tributaries of the upper Ayeyarwaddy near Myitkyina, the Hpa-Lap Chaung, Mogaung and Chindwin rivers in Myanmar.	-
Danioninae	*Danio margaritatus*	NC_028526.1	Asia: Myanmar	-
Danioninae	*Danio nigrofasciatus*	NC_027688.1	Asia: northern Myanmar.	-
Danioninae	*Danio roseus*	HM224270.1	Asia: Mekong basin in Thailand, Laos and Myanmar.	-
Danioninae	*Danionella dracula*	FJ753517.1	Asia: stream near Sha Du Zup in northern Myanmar.	-
Danioninae	*Danionella translucida*	FJ753515.1	Asia: Myanmar.	-
Danioninae	*Devario annandalei*	HM224274.1	Asia: Chao Phraya, Salween and Mekong basins.	-
Danioninae	*Devario anomalus*	HM224282.1	Asia: Bangladesh. Known only from the type locality, a small coastal stream originating in the hill tracts south of Cox's Bazar, southern Chittagong Division	-
Danioninae	*Devario apogon*	EU241431.1	Asia: Irrawaddy drainage in Yunnan, China.	-

Danioninae	*Devario auropurpureus*	HM224275.1	Asia: Inle lake basin in Myanmar.	-
Danioninae	*Devario chrysotaeniatus*	HM224277.1	Asia: Upper Mekong in China and Laos.	-
Danioninae	*Devario devario*	NC_031630.1	Asia: Pakistan, India, Nepal and Bangladesh	-
Danioninae	*Devario kakhienensis*	EU241435.1	Asia: Irrawaddy basin of Myanmar and China.	-
Danioninae	*Devario laoensis*	NC_026122.1	Asia: Salween River to the middle Mekong.	-
Danioninae	*Devario maetaengensis*	EU241436.1	Asia: endemic to northern Thailand.	-
Danioninae	*Devario pathirana*	EU241437.1	Asia: Nilwala River basin, Opatha, Sri Lanka.	-
Danioninae	*Devario regina*	HM224280.1	Asia: India, Myanmar, Thailand and northwestern Malaya	-
Danioninae	*Devario shanensis*	HM224281.1	Asia: known only from the Myitnge watershed of the Irrawaddy in northern Shan States, Myanmar. Questionable in Thailand and in the Salween basin	-
Danioninae	*Devario xyrops*	EU241439.1	Asia: Rkahine Yoma, south-western Myanmar.	-
Danioninae	*Esomus caudiocellatus*	EU241440.1	Asia: distribution unknown, but probably occurring in Salween basin and Malay Peninsula.	-
Danioninae	*Esomus danricus*	HM224287.1	Asia: Pakistan, India, Nepal, Bangladesh, Afghanistan, Sri Lanka and Myanmar	-
Danioninae	*Esomus longimanus*	HM224288.1	Asia: Mekong from the Khorat Plateau, Thailand to the Great Lake, Cambodia; Malay Peninsula, coastal streams of South-east Thailand and Cambodia, and Chao Phraya basin in Thailand	-
Danioninae	*Esomus metallicus*	NC_008660.1	Asia: Mekong, Salween and Chao Phraya basins, northern Malay Peninsula.	-
Danioninae	*Leptocypris modestus*	JX197008.1	Africa: lower Congo River up to the upper Lualaba, including the Ubangi, in Democratic Republic of the Congo and Central African Republic.	-
Danioninae	*Leptocypris niloticus*	HM224294.1	Africa: present in Nile, Omo, Niger, Bénoué, Volta, Senegal Rivers, and Lake Chad basin	-
Danioninae	*Luciosoma bleekeri*	NC_015541.1	Asia: Chao Phraya, Meklong and Mekong basins.	-
Danioninae	*Malayochela maassi*	EU241444.1	Asia: Indonesia and Malaysia.	-
Danioninae	*Microdevario gatesi*	EU241445.1	Asia: Myanmar.	-
Danioninae	*Microdevario kubotai*	NC_037360.1	Asia: Thailand.	-

Danioninae	*Microrasbora rubescens*	EF452744.1	Asia: endemic to Lake Inle, Myanmar	-
Danioninae	*Neobola bottegoi*	HM224296.1	Africa: Lake Turkana, Omo River, rivers of Somalia.	-
Danioninae	*Opsaridium boweni*	JX197009.1	Africa: Lulua River (Kasai drainage, middle Congo River basin) in Democratic Republic of the Congo	-
Danioninae	*Opsaridium ubangiense*	NC_031575.1	Africa: widespread in coastal basins from Cameroon to the Republic of Congo, also in upper tributaries of Lake Chad and Benue River systems	-
Danioninae	*Opsarius barnoides*	HM224316.1	Asia: Myanmar and China.	-
Danioninae	*Opsarius pulchellus*	HM224324.1	Asia: Chao Phraya and Mekong basins.	-
Danioninae	*Raiamas batesii*	JX197010.1	Africa: Dja (middle Congo River basin), Sanaga and Nyong in Cameroon	-
Danioninae	*Raiamas bola*	HM224329.1	Asia: India, Bangladesh, Myanmar and Nepal. Also recorded from Bhutan and Thailand	-
Danioninae	*Raiamas christyi*	JX197011.1	Africa: Congo River system in Republic of Congo, Democratic Republic of the Congo and Angola.	-
Danioninae	*Raiamas guttatus*	NC_015547.1	Asia: India and Irrawaddy in Myanmar, Mekong, Chao Phraya, Salween basins and also northern Malay Peninsula	-
Danioninae	*Raiamas senegalensis*	NC_013764.1	Africa: basins of the Nile, Chad, Niger, Gambia, Senegal, Volta and coastal basins of Sassandra, Bandama, Comoé, Tano, Pra, Ouémé, Ogun and Sanaga, which seems to represent its southern distributional limit	-
Danioninae	*Rasbora aprotaenia*	NC_032722.1	Asia: northern Java.	-
Danioninae	*Rasbora argyrotaenia*	NC_035749.1	Asia: Mekong, Chao Phraya and Mae Khlong basins, Malay Peninsula to Borneo, Java and Sumatra in Indonesia.	-
Danioninae	*Rasbora aurotaenia*	HM224336.1	Asia: Chao Phraya and Mekong basins	-
Danioninae	*Rasbora bankanensis*	HM224337.1	Asia: Malay Peninsula and Indonesia	-
Danioninae	*Rasbora borapetensis*	EU241463.1	Asia: Mekong, Chao Phraya and Meklong basins, also northern Malay Peninsula.	-

Danioninae	*Rasbora cephalotaenia*	HM224340.1	Asia: Malay Peninsula (Singapore and Johore) and Indonesia.	-
Danioninae	*Rasbora dusonensis*	HM224348.1	Asia: Mekong and Chao Phraya basins; Malay Peninsula, Borneo, Sumatra.	-
Danioninae	*Rasbora einthovenii*	HM224349.1	Asia: Malay Peninsula and Indonesia.	-
Danioninae	*Rasbora elegans*	LC131286.1	Asia: Malay Peninsula, Singapore, Borneo and Sumatra.	-
Danioninae	*Rasbora hobelmani*	HM224354.1	Asia: eastern Myanmar, northern Thailand and the Mekong basin.	-
Danioninae	*Rasbora jacobsoni*	HM224355.1	Asia: central Sumatra.	-
Danioninae	*Rasbora kalochroma*	EU241468.1	Asia: Malay Peninsula and Indonesia (Borneo and Sumatra).	-
Danioninae	*Rasbora kottelati*	HM224357.1	Asia: northwestern Borneo (Malaysia and Brunei Darussalam).	-
Danioninae	*Rasbora myersi*	LC131288.1	Asia: Southeast Asia	-
Danioninae	*Rasbora rubrodorsalis*	EU241469.1	Asia: Mekong, Chao Phraya and Meklong basins.	-
Danioninae	*Rasbora steineri*	HM224368.1	Asia: Laos, Viet Nam and southeastern China.	-
Danioninae	*Rasbora sumatrana*	NC_031542.1	Asia: Mekong, Chao Phraya and Mae Khlong basins, southeast Thailand, southwest Cambodia, Malay Peninsula, Sumatra and western Borneo.	-
Danioninae	*Rasbora tornieri*	LC131289.1	Asia: Indochina, Malaysia and Indonesia.	-
Danioninae	*Rasbora trilineata*	NC_025336.1	Asia: Mekong and Chao Phraya basins; Malay Peninsula, Sumatra, Borneo. Spread around the world through the aquarium fish trade	-
Danioninae	*Rasbora tubbi*	HM224371.1	Asia: northern Borneo.	-
Danioninae	*Rasbora vulgaris*	HM224373.1	Asia: Southeast Asia: Malaya (Malaysia)	-
Danioninae	*Rasbora spilocerca*	HM224367.1	Asia: Mekong basin.	-
Danioninae	*Salmostoma bacaila*	NC_015549.1	Asia: Pakistan, India, Bangladesh and Nepal. Reported from Afghanistan	-
Danioninae	*Salmostoma phulo*	HM224379.1	Asia: India and Bangladesh.	-
Danioninae	*Securicula gora*	HM224382.1	Asia: Pakistan, India, Bangladesh, and probably Nepal.	-

Danioninae	*Rasbora pauciperforata*	EF151117.1	Asia: Thailand, Cambodia, Malay Peninsula to Indonesia	-	
Danioninae	*Trigonostigma hengeli*	HM224352.1	Asia: Sumatra and Borneo, Indonesia.	-	
Gobioninae	*Gobiocypris rarus*	NC_018099.1	Asia: Liusha river, tributary of the Dadu river at Jiuxiang, Hanyuan County, Sichuan Province, China (type locality).	A	(47)
Gobioninae	*Hemibarbus labeo*	NC_007785.2	Asia: throughout the Amur basin; eastern Asia from the Amur basin to northern Vietnam, Japan and islands of Hainan and Taiwan	A	(47)
Gobioninae	*Hemibarbus maculatus*	NC_018534.1	Asia: China, Korea, Japan and Amur River basin.	A	(47)
Gobioninae	*Coreius guichenoti*	NC_020041.1	Asia: upper reaches of the Changjiang River in China.	E	(47)
Gobioninae	*Coreius heterodon*	NC_020042.1	Asia: China and Korea	E	(47)
Gobioninae	*Gobiobotia filifer*	NC_029187.1	Asia: Changjiang River, China.	E	(47)
Gobioninae	*Sarcocheilichthys nigripinnis*	NC_020608.1	Asia: China, Taiwan and Korea	E	(47)
Gobioninae	*Sarcocheilichthys sinensis*	NC_022475.1	Asia: Amur basin to rivers of Korea and the Xi River.	E	(47)
Gobioninae	*Squalidus argentatus*	NC_023336.1	Asia: China and Viet Nam.	E	(47)
Gobioninae	*Paracanthobrama guichenoti*	NC_024430.1	Asia: China.	A	(47)
Gobioninae	*Hemibarbus medius*	NC_024527.1	Asia: drainages in Southern China and part of Southwestern China.	A	(63)
Gobioninae	*Hemibarbus umbrifer*	NC_022192.1	Asia: endemic to Xijiang basin.	A	(63)
Gobioninae	*Microphysogobio elongatus*	KU356199.1	Asia: China.	A	(63)
Gobioninae	*Microphysogobio fukiensis*	NC_024930.1	Asia: China.	A	(63)
Gobioninae	*Microphysogobio kiatingensis*	NC_037402.1	Asia: China.	A	(63)
Gobioninae	*Platysmacheilus exiguus*	NC_024163.1	Asia: China.	A	(63)
Gobioninae	*Sarcocheilichthys parvus*	NC_018786.1	Asia: China.	E	(63)
Gobioninae	*Xenophysogobio boulengeri*	NC_024574.1	Asia: China.	E	(131)
Gobioninae	*Rhinogobio cylindricus*	AY952992.1	Asia: middle and upper reaches of the Changjiang River, China.	E	(132)
Gobioninae	*Saurogobio dabryi*	NC_022845.1	Asia: Amur basin to Xi Jiang (Pearl River); Mongolia and Korea. Found in Viet Nam	E	(132)
Gobioninae	*Gobio gobio*	NC_008662.1	Europe: Atlantic Ocean, North and Baltic Sea basins, from Loire drainage eastward, eastern Great Britain,	A	(49)

			Rhône and Volga drainages, upper Danube and middle and upper Dniestr and Dniepr drainages; in Finland, north to about 61°N.		
Gobioninae	*Gobio obtusirostris*	MG791928.1	Europe: Danube River basin and Odra River	A	(49)
Gobioninae	*Biwia zezera*	NC_008324.1	Asia: Japan.	D/A	(49)
Gobioninae	*Saurogobio gymnocheilus*	AY953009.1	Asia: China.	E	(133)
Gobioninae	*Pseudorasbora pugnax*	LC098200.1	Asia: Gifu, Aichi and Mie prefectures in Japan.	A	(134)
Gobioninae	*Hemibarbus barbus*	NC_008644.1	Asia: Japan	D	(135)
Gobioninae	*Squalidus gracilis*	NC_024561.1	Asia: Japan and Korea.	A	(135)
Gobioninae	*Gnathopogon caerulescens*	AB677434.1	Asia: Lake Biwa, Japan.	A	(136)
Gobioninae	*Coreoleuciscus splendidus*	NC_007783.2	Asia: South Korea.	A	(137)
Gobioninae	*Microphysogobio koreensis*	NC_014880.1	Asia: South Korea.	A	(138)
Gobioninae	*Pseudorasbora pumila*	NC_008665.1	Asia: Japan.	A	(139)
Gobioninae	*Romanogobio kesslerii*	AY952328.1	Europe: Dniestr and tributaries of lower and middle Danube drainage	E	(140)
Gobioninae	*Romanogobio uranoscopus*	AY952331.1	Europe: Danube drainage (absent from Danube main river except upper course and stretches with fast current).	E	(140)
Gobioninae	*Gobiobotia pappenheimi*	NC_032293.1	Asia: Yangtze and Amur basin.	E	(141)
Gobioninae	*Paraleucogobio strigatus*	AY952999.1	Asia: Amur drainage in Russia and China, Korea, River Liao in China, and Lake Buir in Mongolia.	E	(141)
Gobioninae	*Mesogobio tumenensis*	AY953008.1	Asia: Tumen River, China.	D	(142)
Gobioninae	*Xenophysogobio nudicorpa*	NC_025300.1	Asia: China.	E	(143)
Gobioninae	*Biwia yodoensis*	KX078818.1	Asia: Lake Biwa/Yodo River basin in Japan.	D/A	(144)
Gobioninae	*Pungtungia herzi*	NC_008664.1	Asia: Japan and the Korean Peninsula.	A/D	(145)
Gobioninae	*Sarcocheilichthys variegatus*	AB366542.1	Asia: Japan.	B	(145)
Gobioninae	*Hemibarbus longirostris*	NC_007784.2	Asia: Japan, the Korean Peninsula and China.	D	(145)
Gobioninae	*Hemibarbus mylodon*	NC_007786.2	Asia: South Korea.	D	(145)
Gobioninae	*Pseudopungtungia nigra*	NC_011161.1	Asia: South Korea.	D/A	(145)
Gobioninae	*Pseudogobio esocinus*	NC_013759.1	Asia: Japan, the Korean Peninsula and China.	E	(145)
Gobioninae	*Gnathopogon elongatus*	NC_008649.1	Asia: Japan.	A	(146)

Gobioninae	*Gobio huanghensis*	FJ904648.1	Asia: middle and upper reaches of Yellow River, China.	E	(147)
Gobioninae	*Rhinogobio typus*	NC_024423.1	Asia: China.	E	(148)
Gobioninae	*Gnathopogon imberbis*	NC_027255.1	Asia: China.	E	(149)
Gobioninae	*Saurogobio dumerili*	NC_022187.1	Asia: endemic to China.	E	(149)
Gobioninae	*Microphysogobio yaluensis*	NC_027165.1	Asia: Endemic to Korea. Known from North and South Korea	A	(150)
Gobioninae	*Abbottina liaoningensis*	KX078802.1	Asia: Liaoning Province, China.	C/D	(151)
Gobioninae	*Gobio cynocephalus*	NC_032294.1	Asia: Amur drainage in Russia and China; River Liao He in China; and Mongolia.	A	(57)
Gobioninae	*Pseudogobio vaillanti*	NC_032292.1	Asia: China.	A	(57)
Gobioninae	*Pseudorasbora parva*	NC_015614.1	Asia: Amur to Zhujiang (Pearl River) drainages in Siberia, Korea and China	A	(57)
Gobioninae	*Abbottina rivularis*	NC_023781.1	Asia: originally eastern China, Korea and Japan.	C/D	(57)
Gobioninae	*Rhinogobio ventralis*	NC_022720.1	Asia: middle and upper reaches of the Changjiang River, China.	E	(152)
Gobioninae	*Abbottina lalinensis*	KX078795.1	Asia: Heilongjiang, China.	-	
Gobioninae	*Abbottina obtusirostris*	NC_026900.1	Asia: upper Yangtze River, Szechwan, China.	-	
Gobioninae	*Acanthogobio guentheri*	AY953003.1	Asia: Upper Huang He River and Sinin River in China.	-	
Gobioninae	*Belligobio nummifer*	NC_023975.1	Asia: Yangtze River, Lingjiang River and Fuchunjiang River in China.	-	
Gobioninae	*Biwia springeri*	NC_022188.1	Asia: Korea.	-	
Gobioninae	*Gnathopogon herzensteini*	JN003334.1	Asia: China.	-	
Gobioninae	*Gnathopogon nicholsi*	NC_033351.1	Asia: China.	-	
Gobioninae	*Gnathopogon polytaenia*	NC_024837.1	Asia: China.	-	
Gobioninae	*Gnathopogon strigatus*	NC_022189.1	Asia: Amur drainage in Russia and China, Korea, River Liao in China, and Lake Buir in Mongolia.	-	
Gobioninae	*Gnathopogon taeniellus*	NC_027270.1	Asia: China.	-	
Gobioninae	*Gobio artvinicus*	MH319411.1	Asia: Aralik and Çifteköpru streams, tributaries of the lower part of Çoruh River, Black Sea basin in Turkey.	-	
Gobioninae	*Gobio battalgilae*	MH319391.1	Asia: Beyschir Lake system in Turkey.	-	

Gobioninae	*Gobio bulgaricus*	MH319405.1	Europe and Asia: Aegean basin, from Maritza to Aliakmon drainages (Turkey, Bulgaria, Greece, Macedonia).	-
Gobioninae	*Gobio coriparoides*	JN003326.1	Asia: Huanghe River, China.	-
Gobioninae	*Gobio gymnostethus*	MH319393.1	Asia: Eastern Lake Tuz basin, Turkey.	-
Gobioninae	*Gobio hettitorum*	MH319392.1	Asia: Turkey.	-
Gobioninae	*Gobio insuyanus*	MH319399.1	Asia: Turkey.	-
Gobioninae	*Gobio intermedius*	MH319400.1	Asia: Lake Eber and Lake Aksehir basin in Turkey.	-
Gobioninae	*Gobio kizilirmakensis*	MH319394.1	Asia: Kizilirmak River basin in Turkey.	-
Gobioninae	*Gobio kovatschevi*	MH319409.1	Europe: River Provadiskaya (enters Black Sea near Varna) in Bulgaria.	-
Gobioninae	*Gobio lingyuanensis*	KX078826.1	Asia: Dalinhe, Lanhe and Shonghuajiang rivers in China.	-
Gobioninae	*Gobio macrocephalus*	AY953006.1	Asia: South Korea and Tumen River, China	-
Gobioninae	*Gobio maeandricus*	MH319401.1	Asia: Great Menderes River in Turkey.	-
Gobioninae	*Gobio microlepidotus*	MH319389.1	Asia: Lake Beysehir, Turkey.	-
Gobioninae	*Gobio sakaryaensis*	MH319395.1	Asia: Tozman Stream and Sakarya River in Turkey.	-
Gobioninae	*Gobio soldatovi*	EU934491.1	Asia: Amur drainage in Russia and China; Sakhalin Island; Lake Buir in Mongolia.	-
Gobioninae	*Gobiobotia brevibarba*	NC_014878.1	Asia: South Korea.	-
Gobioninae	*Gobiobotia macrocephala*	NC_014877.1	Asia: South Korea.	-
Gobioninae	*Gobiobotia meridionalis*	AF375867.1	Asia: China.	-
Gobioninae	*Gobiobotia naktongensis*	NC_020464.1	Asia: South Korea.	-
Gobioninae	*Gobiobotia intermedia*	NC_022931.1	Asia: Hainan Island in China and Viet Nam.	-
Gobioninae	*Ladislavia taczanowskii*	NC_024634.1	Asia: Amur and Yalu drainages; Mongolia and Korea.	-
Gobioninae	*Microphysogobio alticorpus*	NC_021451.1	Asia: Taiwan.	-
Gobioninae	*Microphysogobio amurensis*	NC_033965.1	Asia: Middle and lower Amur River and Khanka Lake.	-
Gobioninae	*Microphysogobio brevirostris*	NC_022704.1	Asia: endemic to Taiwan.	-
Gobioninae	*Huigobio chenhsienensis*	NC_032291.1	Asia: Caoejiang River and Zhujiang River in China.	-
Gobioninae	*Microphysogobio chinssuensis*	KX078820.1	Asia: upper reaches of the Yangtze River, China.	-
Gobioninae	*Microphysogobio kachekensis*	KM999930.1	Asia: China and Viet Nam.	-

Gobioninae	*Microphysogobio liaohensis*	NC_032290.1	Asia: Liaohe River in Liaoning Province China.	-
Gobioninae	*Microphysogobio longidorsalis*	NC_022191.1	Asia: South Korea.	-
Gobioninae	*Microphysogobio nudiventris*	KX078823.1	Asia: Du-He, a tributary flowing into the Han-Jiang of the middle Chang-Jiang basin in Hubei Province, China.	-
Gobioninae	*Microphysogobio tafangensis*	NC_023461.1	Asia: Qiantang River and Zhujiang River, China.	-
Gobioninae	*Microphysogobio tungtingensis*	AY953013.1	Asia: Amur basin to the Yangtze, Lake Buir Nur and rivers in Korea.	-
Gobioninae	*Microphysogobio xianyouensis*	KM999931.1	Asia: Mulan River, Fujian Province, southern China.	-
Gobioninae	*Microphysogobio yunnanensis*	MK133329.1	Asia: Hong River basin in Yunnan, China and expected from the Viet Namese part of the basin.	-
Gobioninae	*Microphysogobio zhangi*	KU356197.1	Asia: Pearl River and Yangtze River basin in Guangxi and Hunan Provinces of China.	-
Gobioninae	*Platysmacheilus longibarbatus*	NC_032289.1	Asia: Yangtze River in China.	-
Gobioninae	*Platysmacheilus nudiventris*	NC_025631.1	Asia: upper reaches of the Changjiang River in China.	-
Gobioninae	*Pseudogobio guilinensis*	AY953018.1	Asia: China and probably Viet Nam.	-
Gobioninae	*Pseudopungtungia tenuicorpus*	NC_014873.1	Asia: Korea.	-
Gobioninae	*Pseudorasbora elongata*	NC_021769.1	Asia: Lijiang River and lower reaches of Changjiang River in China.	-
Gobioninae	*Rhinogobio hunanensis*	AY952993.1	Asia: middle and upper reaches of Yuanjiang River, China	-
Gobioninae	*Romanogobio benacensis*	MG791924.1	Europe: Italy and Slovenia from Po to Soca and Reka drainages.	-
Gobioninae	*Romanogobio ciscaucasicus*	NC_031558.1	Europe and Asia: Western Caspian basin from Kuma (Russia) to Yalaminskie (Azerbaijan) drainages.	-
Gobioninae	*Romanogobio tanaiticus*	JN003324.1	Europe: Don drainage.	-
Gobioninae	*Romanogobio tenuicorpus*	NC_022930.1	Asia: Mongolia and from Amur to Luang Ho drainages.	-
Gobioninae	*Sarcocheilichthys biwaensis*	NC_033918.1	Asia: Lake Biwa, Japan.	-
Gobioninae	*Sarcocheilichthys czerskii*	EF193465.1	Asia: Amur basin, Korean rivers and Yalu river.	-
Gobioninae	*Sarcocheilichthys davidi*	NC_037403.1	Asia: China.	-
Gobioninae	*Sarcocheilichthys kiangsiensis*	NC_034753.1	Asia: China.	-

Gobioninae	*Sarcocheilichthys lacustris*	NC_022934.1	Asia.	-	
Gobioninae	*Sarcocheilichthys soldatovi*	JN003337.1	Asia: Amur to Liaoning drainages (not in central and southern Korea); and Lake Buir in Mongolia.	-	
Gobioninae	*Saurogobio gracilicaudatus*	KU715717.1	Asia: Hubei, China.	-	
Gobioninae	*Saurogobio immaculatus*	NC_033919.1	Asia: China and Viet Nam.	-	
Gobioninae	*Saurogobio lissilabris*	KU715755.1	Asia: China.	-	
Gobioninae	*Saurogobio xiangjiangensis*	KU715723.1	Asia: China.	-	
Gobioninae	*Squalidus chankaensis*	JN003321.1	Asia: Amur basin in Russia and China; Mongolia; Viet Nam; and Japan.	-	
Gobioninae	*Squalidus japonicus*	JN003320.1	Asia: Japan and Korea.	-	
Gobioninae	*Squalidus multimaculatus*	NC_029387.1	Asia: South Korea.	-	
Gobioninae	*Squalidus nitens*	AY952986.1	Asia: Changjiang River, China.	-	
Gobioninae	*Squalidus wolterstorffi*	NC_022190.1	Asia: China	-	
Labeoninae	*Epalzeorhynchos frenatus*	NC_033962.1	Asia: Mekong, Chao Phraya and Xe Bangfai basins and Maeklong basin	E	(153)
Labeoninae	*Osteochilus hasseltii*	NC_029442.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra, Java and Borneo	E	(107)
Labeoninae	*Osteochilus vittatus*	JX074226.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra, Java and Borneo	E	(107)
Labeoninae	*Discocheilus wui*	HQ235747.1	Asia: China.	A	(63)
Labeoninae	*Discogobio laticeps*	GQ406320.1	Asia: southern China.	A	(63)
Labeoninae	*Discogobio multilineatus*	KT633644.1	Asia: known only from Jiazhuan in Bama County, Guangxi Province of China, in a branch of Hongshui River (upper Pearl River) system.	A	(63)
Labeoninae	*Discogobio tetrabarbatus*	NC_024578.1	Asia: southern China.	A	(63)
Labeoninae	*Garra orientalis*	NC_021935.1	Asia: Yunnan, Guangxi, Guizhou, Hainan and Fujian, South-east China and northern Vietnam	A	(63)
Labeoninae	*Parasinilabeo assimilis*	NC_025947.1	Asia: China.	A	(63)
Labeoninae	*Parasinilabeo longicorpus*	KT633646.1	Asia: China.	A	(63)
Labeoninae	*Sinocrossocheilus liuchengensis*	GU086540.1	Asia: Guangxi, China.	A	(63)
Labeoninae	*Ptychidio longibarbus*	KT633647.1	Asia: China.	A	(63)
Labeoninae	*Rectoris posehensis*	NC_033390.1	Asia: China	A	(63)

Labeoninae	*Semilabeo obscurus*	NC_037408.1	Asia: China and Viet Nam.	A	(63)
Labeoninae	*Garra mullya*	JX074237.1	Asia: throughout India except Assam and the Himalaya. Reported from Nepal	A	(49)
Labeoninae	*Garra kempi*	NC_028426.1	Asia: India, Myanmar and China	C	(154)
Labeoninae	*Garra tengchongensis*	JQ864586.1	Asia: China.	C	(154)
Labeoninae	*Ptychidio jordani*	NC_024294.1	Asia: Zhujiang River in China. Occurrence in Taiwan doubtful.	A	(155)
Labeoninae	*Cirrhinus molitorella*	NC_022182.1	Asia: Mekong, Chao Phraya, Nam Theun, Xe Bangfai and the Nanpangjiang basins, also from the Red River (China and Viet Nam).	E	(156)
Labeoninae	*Labeo chrysophekadion*	NC_022942.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra, Java and Borneo.	E	(156)
Labeoninae	*Labeo altivelis*	NC_029444.1	Africa: lower and middle reaches of the Zambezi River system, including the Shire and Lake Malawi, also in Lake Mweru and the Luapula (upper Congo River basin)	A	(157)
Labeoninae	*Garra cambodgiensis*	MH500684.1	Asia: Mekong and Chao Phraya basins; Malay Peninsula.	E	(158)
Labeoninae	*Epalzeorhynchos bicolor*	NC_031534.1	Asia: Chao Phraya basin, Thailand. Reported from the Mekong basin	E	(159)
Labeoninae	*Labeo bata*	NC_015193.1	Asia: India and Bangladesh.	A	(160)
Labeoninae	*Labeo fimbriatus*	NC_026217.1	Asia: Pakistan, India, Nepal and Myanmar and Bangladesh	C	(161)
Labeoninae	*Labeo gonius*	NC_027856.1	Asia: Pakistan, India, Bangladesh and Myanmar	C	(161)
Labeoninae	*Labeo parvus*	JX074292.1	Africa: widespread, from West Africa, including coastal basins, Lake Chad and the Niger river basin up to the Congo River basin	E	(162)
Labeoninae	*Cirrhinus microlepis*	NC_031608.1	Asia: Chao Phraya and Mekong basins in Thailand, Laos, Cambodia and Viet Nam.	E	(163)
Labeoninae	*Garra lamta*	JX074241.1	Asia: India and eastern Nepal. Reported from Myanmar	C	(164)
Labeoninae	*Henicorhynchus lobatus*	AB822535.1	Asia: known only from the Mekong basin.	E	(165)

Labeoninae	*Henicorhynchus siamensis*	NC_031623.1	Asia: Mekong and Chao Phraya basins.	E	(165)
Labeoninae	*Semilabeo notabilis*	JX074272.1	Asia.	A	(166)
Labeoninae	*Cirrhinus cirrhosus*	NC_033964.1	Asia: native to large rivers in the Indian subcontinent	E	(82)
Labeoninae	*Labeo rohita*	NC_017608.1	Asia: Pakistan, India, Bangladesh, Myanmar and Nepal.	E	(82)
Labeoninae	*Cirrhinus reba*	NC_029445.1	Asia: Pakistan, India, Nepal, Bangladesh, and Myanmar.	E	(167)
Labeoninae	*Labeo dyocheilus*	JX074262.1	Asia: Pakistan, India, Bangladesh and Nepal	C	(168)
Labeoninae	*Cirrhinus mrigala*	NC_017611.1	Asia: Pakistan, India, Nepal and Bangladesh.	E	(169)
Labeoninae	*Garra ceylonensis*	JX074252.1	Asia: endemic to Sri Lanka.	C	(170)
Labeoninae	*Pseudogyrinocheilus prochilus*	NC_024588.1	Asia: Yangtze River and its tributaries in China.	A	(171)
Labeoninae	*Discogobio yunnanensis*	NC_025319.1	Asia: Yuanjiang, Jinshajiang and Nanpanjiang in China.	E	(172)
Labeoninae	*Akrokolioplax bicornis*	NC_029448.1	Asia: known from the upper Salween River (Nu Jiang in Chinese) basin in Yunnan (South China), Myanmar and Thailand.	-	
Labeoninae	*Bangana ariza*	JX074236.1	Asia: Indus plain and adjoining hilly areas (Pakistan); (Ganges-Brahmaputra basin (India, Nepal, Bangladesh); Mahanadi, Krishna, Cuvery, and some smaller basins in southern India; Karnapouli and adjacent smaller basins in Chittagong Hill Tracts (Bangladesh)	-	
Labeoninae	*Bangana decora*	NC_026221.1	Asia: West River in China.	-	
Labeoninae	*Bangana lemassoni*	GU086537.1	Asia: Nam Ma basin (Laos), Red River basin (Viet Nam) and Yunnan.	-	
Labeoninae	*Bangana lippus*	JX074275.1	Asia: Mekong basin in northern Laos, Xishuangbanna and Myanmar.	-	
Labeoninae	*Bangana tonkinensis*	GU086562.1	Asia: Viet Nam and Yunnan, China.	-	
Labeoninae	*Barbichthys laevis*	JX074277.1	Asia: Malay Peninsula, Sumatra, Borneo and Java; Mekong and Chao Phraya basins	-	

Labeoninae	*Cophecheilus bamen*	KT633639.1	Asia: China. Known only from a tributary flowing into the Zuo-Jiang of the Pearl River drainage at Jingxi County, Guangxi Province, South China	-
Labeoninae	*Crossocheilus atrilimes*	NC_029447.1	Asia: Mekong Basin in Laos, Thailand and Cambodia, and Chao Phraya basin.	-
Labeoninae	*Crossocheilus burmanicus*	JX074224.1	Asia: India, Myanmar, and China.	-
Labeoninae	*Crossocheilus diplochilus*	JX083158.1	Asia: widely distributed in the hill streams of the Indus drainage in Pakistan, Afghanistan and India; extending also into Iranian Seistan and into the coastal drainage of Bahut Kalat in Pakistan	-
Labeoninae	*Crossocheilus langei*	NC_029443.1	Asia: Malaysia and Sumatra, Indonesia	-
Labeoninae	*Crossocheilus latius*	KF574665.1	Asia: India. Reported from Bangladesh, Myanmar and China	-
Labeoninae	*Crossocheilus nigriloba*	JX074280.1	Asia: East Borneo	-
Labeoninae	*Crossocheilus oblongus*	JX074225.1	Asia: Thailand to Indonesia.	-
Labeoninae	*Crossocheilus periyarensis*	KF113565.1	Asia: Periyar River in Kerala, India.	-
Labeoninae	*Crossocheilus reticulatus*	NC_031624.1	Asia: Mekong and Chao Phraya basins.	-
Labeoninae	*Crossocheilus siamensis*	NC_031827.1	Asia: Thailand to Indonesia.	-
Labeoninae	*Discogobio brachyphysallidos*	GQ406319.1	Asia: China.	-
Labeoninae	*Discogobio longibarbatus*	NC_036301.1	Asia: endemic to Lake Fuxian in Yunnan, China.	-
Labeoninae	*Discogobio macrophysallidos*	GU086549.1	Asia: China.	-
Labeoninae	*Discolabeo wuluoheensis*	GU086569.1	Asia: China.	-
Labeoninae	*Epalzeorhynchos kalopterus*	JX074251.1	Asia: lower half of the Malayan/Thailand peninsula, Borneo, Java and Sumatra in Indonesia.	-
Labeoninae	*Garra barreimiae*	EU000504.1	Asia: endemic to Oman.	-
Labeoninae	*Garra bicornuta*	JX074238.1	Asia: Thunga river system in Karnataka and Kolhapur in Maharashtra.	-
Labeoninae	*Garra bispinosa*	JQ864594.1	Asia: Irrawaddy River basin in Yunnan, China.	-
Labeoninae	*Garra bourreti*	JQ864580.1	Asia: Vietnam.	-
Labeoninae	*Garra congoensis*	NC_031535.1	Africa: lower Congo River in Democratic Republic of the Congo. Also reported from Angola	-
Labeoninae	*Garra cyrano*	JX074291.1	Asia: middle Nam Mang basin, Laos.	-

Labeoninae	*Garra dembecha*	FJ196826.1	Africa: river basins in Eritrea, Ethiopia and Kenya	-
Labeoninae	*Garra dulongensis*	JQ864590.1	Asia: China.	-
Labeoninae	*Garra fasciacauda*	JQ864597.1	Asia: Mekong, Chao Phraya and Maeklong basins	-
Labeoninae	*Garra findolabium*	JQ864598.1	Asia: Niuluo-He, a branch of the Lixian-Jiang (Red River basin) in Yunnan, China.	-
Labeoninae	*Garra flavatra*	NC_022953.1	Asia: Myanmar.	-
Labeoninae	*Garra fuliginosa*	JX074255.1	Asia: Chao Phrya and Mekong, Maeklong and Peninsular Thailand river systems	-
Labeoninae	*Garra gotyla*	KF574711.1	Asia: Pakistan, India, Bangladesh and upper Myanmar. Also reported from Afghanistan, Bhutan and Nepal	-
Labeoninae	*Garra hainanensis*	KC119054.1	Asia: China.	-
Labeoninae	*Garra imberba*	NC_025562.1	Asia: China and Viet Nam	-
Labeoninae	*Garra lissorhynchys*	JX074242.1	Asia: Assam Himalaya, Meghalaya and Nagaland in India	-
Labeoninae	*Garra micropulvinus*	KC119057.1	Asia: upper Yuanjiang in China.	-
Labeoninae	*Garra mirofrontis*	HQ235749.1	Asia: China.	-
Labeoninae	*Garra nasuta*	JX074295.1	Asia: India, Myanmar, South China and Viet Nam and Thailand	-
Labeoninae	*Garra nujiangensis*	KC119056.1	Asia: Nanpenghe River, Nujiang River basin in Yunnan, China. Possible found in other tributaries of the Salween in the northern Myanmar and Lower Nujiang River.	-
Labeoninae	*Garra ornata*	JX074279.1	Africa: Niger basin to Congo River basin	-
Labeoninae	*Garra poecilura*	NC_031628.1	Asia: Myanmar	-
Labeoninae	*Garra qiaojiensis*	NC_028403.1	Asia: China.	-
Labeoninae	*Garra regressus*	FJ196828.1	Africa: region of Gerima in southern part of Lake Tana, Ethiopia	-
Labeoninae	*Garra rotundinasus*	JQ864595.1	Asia: Yiluowadi Jiang (upper Irrawaddy River) basin in Yunnan, China.	-

Labeoninae	*Garra rufa*	NC_022941.1	Eurasia: In the Jordan, Orontes, and Tigris-Euphrates river basins, also in some coastal rivers in southern Turkey and northern Syria.	-
Labeoninae	*Garra salweenica*	NC_033389.1	Asia: Salween basin.	-
Labeoninae	*Garra spilota*	NC_022944.1	Asia: Myanmar	-
Labeoninae	*Garra tana*	HQ235750.1	Africa: Lake Tana, Ethiopia	-
Labeoninae	*Garra variabilis*	AF180825.1	Asia: Tigris-Euphrates basin.	-
Labeoninae	*Garra waterloti*	JX074289.1	Africa: Senegal River and higher reaches of the Niger River. Also found in Benue River	-
Labeoninae	*Catla catla*	NC_016892.1	Asia: Pakistan, India, Bangladesh, Nepal and Myanmar.	-
Labeoninae	*Henicorhynchus lineatus*	NC_022950.1	Asia: Mekong and Chao Phraya basins.	-
Labeoninae	*Henicorhynchus ornatipinnis*	JX074281.1	Asia: known only from the Mekong basin.	-
Labeoninae	*Hongshuia microstomatus*	GU086548.1	Asia: Guizhou, China.	-
Labeoninae	*Hongshuia paoli*	GU086560.1	Asia: China. Known only from the Hongshui He of the Pearl River drainage in Fengshan and Linyun counties, Guangxi Province, South China.	-
Labeoninae	*Horalabiosa joshuai*	JX074244.1	Asia: India.	-
Labeoninae	*Labeo angra*	NC_022945.1	Asia: India, Bangladesh, Nepal and Myanmar	-
Labeoninae	*Labeo barbatulus*	KC631289.1	Asia: Mekong basin	-
Labeoninae	*Labeo batesii*	NC_008656.1	Africa: Lower Guinea endemic, known from many rivers of this ichthyogeographical region: Kribi, Mungo, Thsela, Shiloango, Bongola, Ntem, Bitande, Ohumbe, Okano, Mouanda, Kelle, Ogowe, Messok-Messok, Mekay, Lolo and Mvi	-
Labeoninae	*Labeo boggut*	NC_029450.1	Asia: Pakistan, India and Bangladesh.	-
Labeoninae	*Labeo calbasu*	NC_017614.1	Asia: Pakistan, India, Bangladesh, Myanmar, Nepal, Thailand and South Western China.	-
Labeoninae	*Labeo coubie*	NC_033963.1	Africa: very widespread, within the drainage basin of the Nile River, Chad, Niger-Bénoué, Volta, Senegal and Gambia basins, as well as Cross River	-

Labeoninae	*Labeo cyclorhynchus*	NC_022949.1	Africa: lower and middle Congo River basin in Democratic Republic of the Congo and Central African Republic, and in the Ogowe river in Gabon	-
Labeoninae	*Labeo cylindricus*	NC_031536.1	Africa: within the drainage basins of the Zambezi, Limpopo, Incomati and Usutu-Pongolo Rivers. In the Congo Basin, its distribution is limited to the middle and upper regions	-
Labeoninae	*Labeo dussumieri*	NC_031622.1	Asia: India and Sri Lanka.	-
Labeoninae	*Labeo fisheri*	MH026031.1	Asia: found only in a few rocky streams and the Mahaweli River basin in Sri Lanka.	-
Labeoninae	*Labeo forskalii*	HQ235751.1	Africa: within the drainage basin of the Nile (Blue, White, Lake Edward) and may be confined to this system	-
Labeoninae	*Labeo horie*	JX074288.1	Africa: within the drainage basin of the Nile River (Blue, White, Murchison; Lakes Albert, Kyoga and Rudolf).	-
Labeoninae	*Labeo lineatus*	NC_022956.1	Africa: widespread in the Congo River basin, Luapula and Mweru excluded	-
Labeoninae	*Labeo longipinnis*	JX074290.1	Africa: widespread in the Congo River basin, Luapula-Mweru excluded	-
Labeoninae	*Labeo lukulae*	JX097084.1	Africa: principal coastal basins of Cameroon to the Chiloango in Democratic Republic of the Congo. In the Congo basin known from the Kasai and Kwango in Angola, and the Aruwimi and Wagenia Falls in Democratic Republic of the Congo	-
Labeoninae	*Labeo nasus*	NC_029449.1	Africa: lower and middle Congo River basin in Angola, Democratic Republic of the Congo and Central African Republic	-
Labeoninae	*Labeo pangusia*	NC_029451.1	Asia: Pakistan, India, Nepal and Bangladesh	-
Labeoninae	*Labeo pierrei*	NC_022943.1	Asia: Mekong, Dong Nai and Chao Phraya basins.	-
Labeoninae	*Labeo porcellus*	MH026035.1	Asia: India and Sri Lanka.	-

Labeoninae	*Labeo senegalensis*	NC_008657.1	Africa: Senegal, Volta, Niger-Benue, Chad, Gambia and Culufi rivers	-
Labeoninae	*Labeo sorex*	AY791415.1	Africa: lower and middle Congo River and Wagenia Falls in Democratic Republic of the Congo; mainly found in rapids	-
Labeoninae	*Labeo stolizkae*	JX042204.1	Asia: Irrawaddy river and Moulmein in Myanmar.	-
Labeoninae	*Labeo yunnanensis*	JX074282.1	Asia: Mekong and Chao Phraya basins.	-
Labeoninae	*Labiobarbus leptocheilus*	NC_022954.1	Asia: Mekong, Salween, Chao Phraya and Xe Bangfai basins, also from the Malay Peninsula, Sumatra, Java and Borneo.	-
Labeoninae	*Labiobarbus lineatus*	NC_022955.1	Asia	-
Labeoninae	*Labiobarbus ocellatus*	NC_022947.1	Asia: Malaysia and Indonesia.	-
Labeoninae	*Lobocheilos bo*	JX074293.1	Asia: Malay Peninsula, Borneo and Chao Phraya and Mekong basins.	-
Labeoninae	*Lobocheilos melanotaenia*	NC_033961.1	Asia: Mekong and Chao Phraya basins.	-
Labeoninae	*Mekongina erythrospila*	KC631293.1	Asia: Mekong basin.	-
Labeoninae	*Osteochilus lini*	JX074265.1	Asia: Mekong and Chao Phraya basins.	-
Labeoninae	*Osteochilus microcephalus*	JX074266.1	Asia: Thailand to Viet Nam and Indonesia.	-
Labeoninae	*Osteochilus pentalineatus*	NC_031625.1	Asia: southern Borneo.	-
Labeoninae	*Osteochilus salsburyi*	NC_021385.1	Asia: Laos, northern Viet Nam and southern China.	-
Labeoninae	*Osteochilus schlegelii*	NC_022951.1	Asia: Thailand to Indonesia.	-
Labeoninae	*Osteochilus waandersii*	JX074267.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra and Borneo	-
Labeoninae	*Paracrossochilus vittatus*	JX074276.1	Asia: Borneo.	-
Labeoninae	*Parasinilabeo longibarbus*	KT633643.1	Asia: He Jiang of the Zhu Jiang River basin in Guangxi, China.	-
Labeoninae	*Parasinilabeo longiventralis*	KT633650.1	Asia: Fuchuanjiang River, a tributary of the upper Hejiang River in Guangxi, China.	-
Labeoninae	*Phreatichthys andruzzii*	EU000495.1	Africa: only known from the type locality (Somalia).	-
Labeoninae	*Placocheilus caudofasciatus*	MH500694.1	Asia: Laos, Viet Nam and China.	-
Labeoninae	*Pseudocrossocheilus longibullus*	GU086533.1	Asia: Guizhou, China.	-
Labeoninae	*Pseudocrossocheilus nigrovittatus*	GU086541.1	Asia: China.	-

Labeoninae	*Pseudocrossocheilus papillolabrus*	GU086551.1	Asia: Guizhou, China.	-	
Labeoninae	*Pseudocrossocheilus tridentis*	GU086546.1	Asia: China.	-	
Labeoninae	*Prolixicheilus longisulcus*	KT633640.1	Asia: unnamed stream belonging to Zuojiang River, a tributary of Pearl River in Guangxi, China.	-	
Labeoninae	*Ptychidio macrops*	KT633641.1	Asia: China.	-	
Labeoninae	*Qianlabeo striatus*	GU086550.1	Asia: upper Zhu Jiang (Pearl River) drainage in Guizhou, China.	-	
Labeoninae	*Rectoris luxiensis*	KT633653.1	Asia: Yuanjiang River, Qingjiang River and Daninghe River in Sichuan, China.	-	
Labeoninae	*Schismatorhynchos nukta*	NC_022948.1	Asia: Maharashtra and Karnataka in India.	-	
Labeoninae	*Sinilabeo dero*	KF574519.1	Asia: Pakistan, India, Nepal, Bangladesh, Myanmar and China; probably Sri Lanka	-	
Labeoninae	*Sinocrossocheilus bamaensis*	NC_034789.1	Asia: China.	-	
Labeoninae	*Sinocrossocheilus guizhouensis*	HQ235756.1	Asia: known only from the Wu River.	-	
Labeoninae	*Sinocrossocheilus labiata*	NC_030247.1	Asia: Tongzi River in China.	-	
Labeoninae	*Sinocrossocheilus megalophthalmus*	GU086555.1	Asia: Hongshui He River, a tributary of Xijiang, Guangxi, China.	-	
Labeoninae	*Thynnichthys polylepis*	NC_022952.1	Asia: Sumatra (Palembang; Danau Sialong lotong) and Borneo (Kapuas).	-	
Labeoninae	*Thynnichthys thynnoides*	NC_031609.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula, Sumatra, Borneo	-	
Leuciscinae	*Macrhybopsis gelida*	MK291388.1	North America: Missouri River basin in Montana and Wyoming to Illinois, USA; Mississippi River from mouth of Missouri River to Louisiana, USA.	E	(173)
Leuciscinae	*Macrhybopsis hyostoma*	NC_030610.1	North America: Mississippi River basin from eastern Ohio to southern Minnesota and Nebraska south to Louisiana; Wolf River (Lake Michigan drainage) in Wisconsin; Gulf drainages from Mississippi River in Louisiana to Lavaca River in Texas, USA.	E	(173)
Leuciscinae	*Macrhybopsis meeki*	NC_033936.1	North America: Missouri River from North Dakota to mouth; Mississippi River from the mouth of Missouri	E	(173)

			River to southern Mississippi; lower Kansas River in eastern Kansas, USA.		
Leuciscinae	*Pogonichthys macrolepidotus*	NC_033942.1	North America: formerly throughout the Sacramento-San Joaquin River drainage in California, USA; now mostly in San Francisco Bay Delta and lower Sacramento and San Joaquin rivers.	A	(174)
Leuciscinae	*Cyprinella venusta*	GQ275217.1	North America: Gulf drainages from Suwannee River in Georgia and Florida to Rio Grande in Texas, USA; Mississippi River basin (mostly on Former Mississippi Embayment) from southern Illinois and Missouri to Louisiana and west in Red River drainage to western Oklahoma, USA.	A	(175)
Leuciscinae	*Notropis atrocaudalis*	KC763687.1	North America: Red (Mississippi River basin) and Calcasieu River (Gulf Slope) drainages to Brazos River drainage in southwestern Arkansas, southeastern Oklahoma, western Louisiana and eastern Texas, USA.	E	(176)
Leuciscinae	*Clinostomus elongatus*	NC_031572.1	North America: Hudson and upper Susquehanna River drainages in New York and Pennsylvania, USA; Great Lakes (except Lake Superior) and Mississippi River basins from New York in USA and south Ontario in Canada to Minnesota and south to West Virginia and Kentucky in USA.	D	(177)
Leuciscinae	*Platygobio gracilis*	NC_031569.1	North America: Mackenzie, Saskatchewan, and Lake Winnipeg drainages in Canada; Missouri-Mississippi River basin from southern Alberta in Canada and Montana to Louisiana, USA; Arkansas River drainage in USA; and upper Rio Grande (including Pecos) drainage in New Mexico, USA.	C	(178)
Leuciscinae	*Notropis rubellus*	EU084866.1	North America: Atlantic Slope from St. Lawrence drainage in Quebec, Canada to James River drainage in Virginia, USA; Great Lakes, Hudson Bay (Red	D	(179)

			River) and Mississippi River basins from Quebec to Manitoba, Canada and south to North Carolina, Alabama, Arkansas and Oklahoma, USA.		
Leuciscinae	*Lepidomeda copei*	AY825445.1	North America: Bear and Upper Snake River systems in Wyoming, Idaho, and Utah, USA.	A	(180)
Leuciscinae	*Lepidomeda vittata*	JX443056.1	North America: upper Little Colorado River system in eastern Arizona, USA.	A	(181)
Leuciscinae	*Gila robusta*	NC_008105.1	North America: Colorado River drainage in Wyoming, Colorado, Utah, New Mexico and Arizona, USA, also Rio Yaqui south to Rio Piaxtla in northwestern Mexico	A	(182)
Leuciscinae	*Couesius plumbeus*	NC_031568.1	North America: Alaska (Yukon River drainage); throughout most of Canada and northern USA; south to Delaware River in New York, south end of Lake Michigan, Illinois, Platte River system in Colorado, and Columbia River drainage in Washington, USA. Relict population in Mississippi River basin in Iowa, USA.	C	(183)
Leuciscinae	*Cyprinella callistia*	GQ275229.1	North America: Mobile Bay drainage in southeastern Tennessee, northwestern Georgia, Alabama and northeastern Mississippi, USA.	A	(184)
Leuciscinae	*Notropis amoenus*	AF352270.1	North America: Atlantic Slope drainages from Hudson River in New York to Cape Fear River in North Carolina, USA; one record each from Seneca Lake (Lake Ontario drainage) in New York, and Yadkin River system in North Carolina, USA.	D	(185)
Leuciscinae	*Phoxinus oxycephalus*	NC_027273.1	Asia: rivers of Pacific basin from Amur southward to Yangtze drainages; in Korea in Yellow Sea basin; southern Japan (Honshu, Kyushu, Shikoku); in Amur, middle reaches of Amur and Bureya River system downstream to lower reaches, Ussuri River but not present in Khanka Lake basin.	A	(47)

Leuciscinae	*Notropis percobromus*	EU084780.1	North America: USA and Canada.	D/A	(186)
Leuciscinae	*Anaecypris hispanica*	AJ427832.1	Europe: Guadiana drainage in Spain and Portugal	A	(187)
Leuciscinae	*Hybopsis winchelli*	AF117165.1	North America: Gulf drainages in the USA from Ocklockonee River in Florida and Apalachicola River in Georgia and Florida to lower Mississippi River in Mississippi and Louisiana.	D	(188)
Leuciscinae	*Lythrurus roseipinnis*	MG806599.1	North America: Gulf drainages from extreme lower Mobile Bay basin in Alabama to Lake Pontchartrain in Louisiana, USA; Yazoo River, Big Black River and Bayou Pierre drainages (Mississippi River basin) in Mississippi, USA.	D	(188)
Leuciscinae	*Notropis longirostris*	AF352264.1	North America: upper Altamaha River drainage in Georgia, USA; Gulf Slope drainages from Apalachicola River in Georgia and Florida to Mississippi River in Louisiana (except Mobile Bay), USA; north in Mississippi River basin to Big Black River in Mississippi and lower Ouachita River drainage in Louisiana, USA.	D	(188)
Leuciscinae	*Notropis baileyi*	KC763656.1	North America: Mobile Bay and Pascagoula River drainages in Alabama and Mississippi, USA; Bear Creek system (Tennessee River drainage) in Alabama and Mississippi	D	(189)
Leuciscinae	*Notropis chlorocephalus*	KC763690.1	North America: Catawba River system (Santee River drainage) in North Carolina and South Carolina, USA.	D	(189)
Leuciscinae	*Notropis rubricroceus*	KC763671.1	North America: mountainous area drained by upper Tennessee River drainage in Virginia, North Carolina and Tennessee, USA; headwaters of Santee and Savannah rivers in North Carolina.	D	(189)
Leuciscinae	*Leuciscus baicalensis*	NC_024528.1	Asia: Ulungur Lake and Ulungur River in China, Mongolia and rivers draining to the Arctic Ocean, from the Ob to the Kolyma	A	(64)

Leuciscinae	*Tribolodon brandtii*	NC_018819.1	Northwest Pacific: Pacific coast from the Shantars to Korea and southward to 34°N, in rivers of Sakhalin and Japan, as well as on the Iturup and Kunashir islands.	A	(190)
Leuciscinae	*Cyprinella spiloptera*	NC_008103.1	North America: Atlantic Slope from St. Lawrence drainage in Quebec, Canada to Potomac River drainage in Virginia, USA; Great Lakes (except Lake Superior), Hudson Bay (Red River) and Mississippi River basins from Ontario, Canada and New York to North Dakota and south to Alabama and eastern Oklahoma, USA; isolated populations in Ozarks, USA.	A	(191)
Leuciscinae	*Nocomis micropogon*	JQ712347.1	North America: Susquehanna River, New York to James River, Virginia, USA; Great Lakes basin, New York in USA, and Ontario in Canada to Michigan, USA; Ohio River basin in New York to eastern Illinois and south to northern Georgia and Alabama except absent in southwestern Indiana, western 2/3 of Kentucky, and most of western Tennessee, USA.	D	(192)
Leuciscinae	*Alburnus scoranza*	GU479865.1	Europe: Lakes Skadar and Ohrid basins (Montenegro, Albania and Macedonia).	A	(193)
Leuciscinae	*Cyprinella whipplei*	GQ275232.1	North America: Mississippi River basin from Ohio and West Virginia to Missouri and eastern Oklahoma, and south to northern Alabama and northern Louisiana; Black Warrior River system (Mobile Bay drainage) in Alabama, USA.	A	(194)
Leuciscinae	*Notropis oxyrhynchus*	AF352278.1	North America: Brazos River and lower portions of large tributaries in Texas, USA.	E	(195)
Leuciscinae	*Abramis brama*	NC_020356.1	Europe and Asia: most European drainages from Adour (France) to Pechora (White Sea basin); Aegean Sea basin, in Lake Volvi and Struma and Maritza	A	(49)

			drainages.In Asia, from Marmara basin (Turkey) and eastward to Aral basin.		
Leuciscinae	*Alburnus alburnus*	NC_008659.1	Europe and Asia: most of Europe north of Caucasus, Pyrénées and Alps, eastward to Ural and Emba.	A	(49)
Leuciscinae	*Alburnus arborella*	EU856044.1	Europe: Adriatic basin from Soca drainage to Ancona province (Slovenia, Switzerland, Italy), lower Zrmanja and Neretva drainages (Croatia, Bosnia-Herzegovina); Tyrrhenian basin in Arno drainage (Italy).	A	(49)
Leuciscinae	*Alburnus belvica*	MG806650.1	Europe: Lakes Prespa in Albania, Greece and Macedonia.	A	(49)
Leuciscinae	*Ballerus ballerus*	MG806655.1	Eurasia: large rivers draining to Baltic Sea (absent in northern Sweden and Finland north of 62°N), North Sea (Weser, Elbe), Black Sea, Sea of Azov (Don) and Caspian Sea, where it is abundant in Volga, rare in Ural.	A	(49)
Leuciscinae	*Blicca bjoerkna*	NC_020355.1	Europe and Asia: North, Baltic, White, Black (south to Rioni drainage) and Caspian Sea basins, Atlantic basin southward to Adour drainage (France; possibly introduced southward of Loire) and Mediterranean basin in France (Hérault and Rhône drainages). In Aral, Marmara and Anatolian Black Sea basins west of Ankara. Naturally absent from Iberian Peninsula, Italy, Adriatic basin, Crimea, Great Britain (except southeast), Scandinavia north of Sundsvall (Sweden) and 65° N (Finland).	A	(49)
Leuciscinae	*Chondrostoma nasus*	AY026402.1	Europe: Basins of Black (Danube, Dniestr, South Bug and Dniepr drainages), southern Baltic (Nieman, Odra, Vistula) and southern North Seas (westward to Meuse).	A	(49)
Leuciscinae	*Chondrostoma oxyrhynchum*	AY026401.1	Eurasia: West Caspian basin from Kuma to Samur drainages.	A	(49)

Leuciscinae	*Chondrostoma phoxinus*	HM560081.1	Europe: Croatia (Cetina drainage) and Bosnia-Herzegovina (Glamocko, Livansjko and Duvanjsko poljes).	A	(49)
Leuciscinae	*Leucaspius delineatus*	NC_020357.1	Europe and Asia: From Lower Rhine and northern Germany eastward to southern Baltic basin; Black Se basin south to Rioni drainage, northern and western Caspian basin (south to Kura drainage); Aegean Sea basin (from Maritsa to Nestos). Absent in Italy, Adriatic basin, Great Britain and Scandinavia (except southernmost Sweden).	A	(49)
Leuciscinae	*Leuciscus idus*	AY026397.1	Europe and Asia: Baltic, Black, northern Caspian and North Sea basins, Atlantic basin southward to Seine and lower Loire drainages (France). Absent in Scandinavia north of 69°N. In Asia, eastward to Lena drainage and Aral basin.	A	(49)
Leuciscinae	*Leuciscus leuciscus*	DQ664306.1	Europe and Asia: North, Baltic, White and Barents Sea basins; Caspian basin, in Volga and Ural drainages; Black Sea basin, from Danube to Dniepr drainages; Atlantic basin, in Seine drainage; Mediterranean basin from Rhône to Arch drainages (France). Only very localized in Danube main river in Romania, in Scandinavia north of 69°N and most of cenral Finland.	A	(49)
Leuciscinae	*Acanthobrama terraesanctae*	AY026406.1	Asia: endemic to Lake Tiberias (=Lake Kinneret) in Israel.	A	(49)
Leuciscinae	*Mylocheilus caurinus*	NC_013763.1	North America: Nass (Pacific Slope) and Peace River (Arctic basin) systems in British Columbia, Canada south to Columbia River drainage in Oregon and Idaho, USA, also in Vancouver, British Columbia and Mackenzie River drainage (Arctic basin) in Northwest Territories, Canada	A	(49)

Leuciscinae	*Pachychilon pictum*	NC_033920.1	Europe: Adriatic basin from Drin to Aoos drainages. Introduced in Serchio (Italy), Garonne and Var (France) drainages, and probably elsewhere.	A	(49)
Leuciscinae	*Pelasgus stymphalicus*	HM560109.1	Europe: Lake Stymphalia in Peloponnese, Greece. Populations from lower Alfios and Pinios (Peloponnese), Etolia-Acarnania and Lefkas island treated as conspecific, but this needs further studies. In Appendix III of the Bern Convention (protected fauna).	A	(49)
Leuciscinae	*Richardsonius balteatus*	NC_033945.1	North America:	A	(49)
Leuciscinae	*Rutilus rubilio*	FJ025061.1	Europe: Tyrrhenian slope from Magra to Bussento drainages, Adriatic slope from Chienti to Trigno drainages and Ofanto drainage in Italy.	A	(49)
Leuciscinae	*Ptychocheilus oregonensis*	EU676856.1	North America: Pacific drainages from Nass River in British Columbia, Canada to Columbia River in Nevada, USA; Harney River basin in Oregon, USA; Peace River system (Arctic basin) in British Columbia and Alberta, Canada.	A	(49)
Leuciscinae	*Alburnoides bipunctatus*	KM874570.1	Europe and Asia: Loire drainage in France eastward, in nearly all rivers draining to southern Baltic, North, Black and Azov Seas; Caspian basin, in upper Volga and from Kura drainage southward to Iranian tributaries of Caspian; widespread in Iran. In Marmara basin, western Anatolia south to Great Menderes drainage and in upper Euphrate and Tigris drainages. Aral basin, upper Amu Darja and Karakumskij drainages (Tukmenistan, Afghanistan).	C	(49)
Leuciscinae	*Campostoma ornatum*	HQ608634.1	North America: Rio Grande system of Big Bend region in southern Texas, USA; Rucker Canyon and Leslie Creek in extreme southeastern Arizona, USA. Widespread in northern Mexico.	D	(49)

Leuciscinae	*Luxilus albeolus*	U66598.1	North America: Atlantic Slope from Chowan River system in Virginia to Cape Fear River drainage in North Carolina, USA; upper New River drainage (Ohio River basin) in West Virginia, Virginia and North Carolina, USA.	D	(49)
Leuciscinae	*Luxilus cardinalis*	U66601.1	North America: Arkansas River drainage in southwestern Missouri, northwestern Arkansas, eastern Kansas and eastern Oklahoma, USA; and Red River drainage in southeastern Oklahoma, where probably introduced.	D	(49)
Leuciscinae	*Luxilus coccogenis*	U66603.1	North America: upper Tennessee River drainage in Virginia, North Carolina, Tennessee, northern Georgia and northern Alabama, and adjacent tributaries of Savannah River in North Carolina and South Carolina, Santee River in North Carolina and New River in North Carolina, USA.	D	(49)
Leuciscinae	*Luxilus cornutus*	NC_033931.1	North America: Atlantic, Great Lakes, Hudson Bay, and Mississippi River basins from Nova Scotia to southeastern Saskatchewan, Canada and south to James River drainage in Virginia, northern Ohio, central Missouri and Colorado, USA.	D	(49)
Leuciscinae	*Luxilus pilsbryi*	U66602.2	North America: White (excluding Black River system) and Little Red River systems in southern Missouri and northern Arkansas, USA.	D	(49)
Leuciscinae	*Luxilus zonatus*	U66600.1	North America: Ozark-draining tributaries of Missouri (west to Sac River), Mississippi (including Meramec River), Little, St. Francis and Black rivers in southern Missouri and northeastern Arkansas, USA.	D	(49)
Leuciscinae	*Luxilus zonistius*	MG806597.1	North America: Apalachicola River drainage in Georgia, Alabama and Florida, USA; adjacent tributaries of Savannah, Altamaha, and Coosa rivers	D	(49)

			in Georgia, and Tallapoosa River in Georgia and Alabama, USA.		
Leuciscinae	*Macrhybopsis aestivalis*	JQ712319.1	North America: Rio Grande drainage in Texas and New Mexico, USA; south in Mexico to San Fernando River drainage.	E	(49)
Leuciscinae	*Pelecus cultratus*	NC_008663.1	Eurasia: Black Sea, Caspian Sea and Aral Sea basins; Baltic basin from Vistula to Neva drainages, southern Sweden and Finland, Lakes Ladoga and Onega. Occasionally on Baltic coast west of Vistula and on Finnish coast north of 61°N. In Appendix III of the Bern Convention (protected fauna).	E	(49)
Leuciscinae	*Notropis cummingsae*	KC763660.1	North America: Tar River drainage in North Carolina, USA to Altamaha River drainage in Georgia, USA;	D	(196)
Leuciscinae	*Notropis nubilus*	HM245590.1	North America: disjunct populations in upper Red Cedar River system in northern Wisconsin, USA; Mississippi River tributaries in southeastern Minnesota, eastern Iowa, southern Wisconsin and northern Illinois, USA; Ozark Mountain drainages, USA; and Boggy Creek system in Oklahoma, USA.	C	(197)
Leuciscinae	*Rhinichthys atratulus*	NC_033943.1	North America: Atlantic, Great Lakes, Hudson Bay, Mississippi River, and upper Mobile Bay drainages Nova Scotia to Manitoba, Canada and south to northern Georgia and northern Alabama, USA	A/D	(198)
Leuciscinae	*Rhinichthys cataractae*	NC_033944.1	North America: distributed above 40°N from coast to coast; as far north as Arctic Circle in Mackenzie River drainage; south in Appalachian Mountains to northern Georgia and in Rocky Mountains south into Rio Grande drainage of Texas and northern Mexico	A/D	(198)
Leuciscinae	*Cyprinella callisema*	GQ275238.1	North America: Altamaha and Ogeechee River drainages in Georgia, USA.	A	(199)
Leuciscinae	*Chondrostoma knerii*	HM560080.1	Europe: Neretva drainage in Croatia and Bosnia Herzegovina.	A	(200)

Leuciscinae	*Pteronotropis hypselopterus*	NC_033939.1	North America: Below Fall Line in Gulf drainages from St. Andrews Bay in Florida to Mobile Bay in Alabama, USA; absent in Choctawhatchee River system above mouth of Pea River, Alabama.	A/D	(201)
Leuciscinae	*Gila cypha*	AF452074.1	North America: upper Colorado River drainage in Wyoming, Colorado, Utah and Arizona, USA.	A	(202)
Leuciscinae	*Lythrurus ardens*	NC_033932.1	North America: Atlantic Slope from York River drainage (where introduced) in Virginia to Roanoke River drainage in North Carolina, USA; upper New River system (Kanawha-Ohio drainage) above Kanawha Falls in West Virginia and Virginia, USA.	D	(203)
Leuciscinae	*Chondrostoma fahirae*	HQ167615.1	Asia: Turkey, known only from Kirkpinar Spring near Tefenni.	A	(204)
Leuciscinae	*Ptychocheilus lucius*	EU676868.1	North America: Colorado River drainage in USA (Wyoming, Colorado, Utah, New Mexico, Arizona, Nevada and California) and Mexico. Now mostly restricted to Utah and Colorado; and extirpated from the southern portion of the range by the construction of large dams.	A	(205)
Leuciscinae	*Iotichthys phlegethontis*	GU182804.1	North America: Bonneville basin in northern Utah, USA.	A	(206)
Leuciscinae	*Dionda episcopa*	NC_033922.1	North America: Rio Grande drainage above Devils River in Texas, New Mexico and Mexico.	C	(207)
Leuciscinae	*Clinostomus funduloides*	GU182726.1	North America: Atlantic Slope (mostly above Fall Line) from lower Delaware River drainage in Pennsylvania to Savannah River drainage in Georgia, USA; Ohio River basin in West Virginia and Ohio to northeast Mississippi, USA.	D	(208)
Leuciscinae	*Lythrurus bellus*	U17275.1	North America: Mobile Bay drainage, Bear and Yellow Creek systems (in Tennessee River drainage) in Alabama and Mississippi, USA.	D	(208)

Leuciscinae	*Notropis chiliticus*	KC763689.1	North America: Dan River (Roanoke River drainage) and Peedee River drainages in Virginia and North Carolina, USA.	D	(208)
Leuciscinae	*Codoma ornata*	EU082516.1	Central America: Mexico in Santiago, Mayrán-Viesca, and Río Conchos drainages.	A	(209)
Leuciscinae	*Pteronotropis welaka*	KC763681.1	North America: Middle St. Johns River drainage in Florida; Gulf drainages (mostly below Fall Line) from Apalachicola River in Georgia and Florida to Pearl River in Mississippi and Louisiana, USA.	D	(210)
Leuciscinae	*Semotilus thoreauianus*	MG806645.1	North America: Gulf Slope from Ochlockonee River system in Georgia and Florida to Tombigbee River system in Alabama, USA.	D	(211)
Leuciscinae	*Rutilus caspicus*	AF095610.1	Eurasia: Northern and northwestern Caspian Sea	A	(140)
Leuciscinae	*Rutilus frisii*	EU285053.1	Eurasia: Black and Azov Sea basins, absent from Danube and Kuban drainages	A	(140)
Leuciscinae	*Scardinius acarnanicus*	HM560170.1	Europe: Lower Acheloos drainage including lakes in Greece.	A	(140)
Leuciscinae	*Scardinius graecus*	AY509832.1	Europe: Lake Yliki in Greece. Previously found in Lake Paralimni, which is now drained.	A	(140)
Leuciscinae	*Squalius keadicus*	HM560186.1	Europe: endemic to the Evrotas River in Peloponnesus, Greece.	A	(140)
Leuciscinae	*Squalius peloponensis*	KY070418.1	Europe: Peloponnese in Greece (except Evrotas and Lake Stymphalia).	A	(140)
Leuciscinae	*Squalius squalus*	HM560205.1	Europe: Ligurian and Tyrrhenian Sea basins, from Genova to southernmost Italy, Ionian Sea basin in southern Italy (Sini and Basento drainages), Adriatic basin from Ofanto drainage (southern Italy) to Skadar and Ohrid basins.	A	(140)
Leuciscinae	*Telestes pleurobipunctatus*	AY509858.1	Europe: Corfu Island and from Butrintit to Alfios drainages (southern Albania and western Greece)	A	(140)
Leuciscinae	*Tropidophoxinellus hellenicus*	HM560232.1	Europe: Acheloos and Pinios (Peloponnese) drainages in Greece.	A	(140)

Leuciscinae	*Phenacobius mirabilis*	NC_008112.1	North America: Mississippi River basin; western Lake Erie drainage in Ohio and Michigan USA; isolated populations in Gulf drainages (Sabine River in Louisiana and Texas; Trinity and Colorado River in Texas; Pecos River in New Mexico).	C	(140)
Leuciscinae	*Phoxinellus alepidotus*	AY494746.1	Europe: streams in Glamocko, Livanjsko poljes; Duvanjsko ploje, Lakes Busko and Blidinje and intermittent streams Korana and Struga near Bosansko Grahovo (Bosnia Herzegovina).	C	(140)
Leuciscinae	*Hybognathus placitus*	EU811086.1	North America: Missouri, Arkansas, Red, Brazos, and Colorado River drainages from Montana and North Dakota south to New Mexico and Texas, USA; Mississippi River from mouth of Missouri River to Tennessee, USA. Introduced in Pecos River in New Mexico, USA.	E	(212)
Leuciscinae	*Siphateles bicolor*	AF237751.1	North America: Columbia River drainage in Washington, Oregon and Idaho, south in Klamath and upper Pit River	A	(213)
Leuciscinae	*Nocomis platyrhynchus*	MG806602.1	North America: New River drainage in West Virginia,Virginia and North Carolina, USA.	D	(214)
Leuciscinae	*Vimba vimba*	AY026404.1	Eurasia: Caspian, Black, Marmara and Baltic Sea basins	A	(215)
Leuciscinae	*Pteronotropis euryzonus*	AF261223.1	North America: middle Chattahoochee River drainage in Georgia and Alabama, USA.	C	(216)
Leuciscinae	*Telestes karsticus*	MG372531.1	Europe: endemic to Croatia.	A	(217)
Leuciscinae	*Oregonichthys kalawatseti*	MG806634.1	North America: Umpqua River drainage in Oregon, USA.	A	(218)
Leuciscinae	*Nocomis effusus*	JQ712332.1	North America: upper Green, upper Barren, Cumberland (in Little South Fork and downstream), Duck and lower Tennessee (between Cumberland and Duck Rivers) river drainages in Kentucky and Tennessee, USA.	D	(219)

Leuciscinae	*Exoglossum laurae*	JX442989.1	North America: 3 areas of the upper Ohio River basin in USA: upper Allegheny River drainage in New York and Pennsylvania, and upper Genesee River (Lake Ontario drainage) in New York and Pennsylvania; upper New River drainage in West Virginia, Virginia and North Carolina; and Great Miami and Little Miami River systems in Ohio.	D	(220)
Leuciscinae	*Nocomis asper*	NC_033937.1	North America: Arkansas River drainage in southwestern Missouri, southeastern Kansas, northeastern Oklahoma and northwestern Arkansas, USA; isolated populations in Blue River (Red River drainage) in Oklahoma and upper Ouachita River drainage in Arkansas, USA.	D	(220)
Leuciscinae	*Gila atraria*	EU747197.1	North America: Snake River system above Shoshone Falls in Wyoming and Idaho; Lake Bonneville basin (including Great Salt Lake drainage and Sevier River system) in southeastern Idaho and Utah, USA.	A	(221)
Leuciscinae	*Cyprinella bocagrande*	EU082520.1	North America: endemic to Guzman basin, northern Mexico.	A	(222)
Leuciscinae	*Dionda dichroma*	EU082484.1	Central America: Mexico.	A	(223)
Leuciscinae	*Ericymba buccata*	AF117157.1	North America: Mississippi River, Ohio River, and Atlantic coastal tributaries north of the Cumberland River from Missouri to Virginia and Maryland.	C	(223)
Leuciscinae	*Erimystax x-punctatus*	AF117173.1	North America: Thames River system in southern Ontario, Canada; Ohio River basin from New York and Pennsylvania to Wabash River in Illinois, USA (absent south of Ohio River except 1 record in upper Green River, Kentuky, USA; Mississippi River basin from southern Wisconsin and southern Minnesota south to northern Arkansas and eastern Oklahoma, USA; Ouachita River drainage in Arkansas.	C	(223)

Leuciscinae	*Luxilus cerasinus*	U66599.1	North America: James, Roanoke, Chowan, New, and extreme upper Cape Fear River drainages in Virginia and North Carolina, USA.	D	(223)
Leuciscinae	*Luxilus chrysocephalus*	NC_033923.1	North America: Great Lakes and Mississippi River basins from western New York and Wisconsin, south to Alabama, Louisiana and eastern Texas, USA; Gulf Coast drainages from Mobile Bay in Georgia and Alabama, to Sabine River in Louisiana, USA.	D	(223)
Leuciscinae	*Notropis chrosomus*	NC_033947.1	North America: Coosa, Cahaba, Alabama and extreme upper Black Warrior River systems (all Mobile Bay drainage) in northwestern Georgia, Alabama and southeastern Tennessee, USA.	D	(223)
Leuciscinae	*Notropis leuciodus*	MG806613.1	North America: Green, Cumberland and Tennessee River drainages in Virginia, North Carolina, Kentucky, Tennessee, Georgia and Alabama, USA, also in extreme upper Savannah River drainage in North Carolina and Georgia, and New River drainage in Virginia and North Carolina.	D	(223)
Leuciscinae	*Notropis maculatus*	KC763691.1	North America: in Atlantic, Gulf, and Mississippi River basins from Cape Fear River in North Carolina, USA to Sabine River in Texas, USA; north in Former Mississippi Embayment to southern Illinois, USA; throughout Florida, USA except in extreme southern tip.	D	(223)
Leuciscinae	*Pteronotropis hubbsi*	KC763679.1	North America: Ouachita and Red River drainage lowlands of southern Arkansas, Louisiana and northeastern Texas, USA; and Wolf Lake, southwest Illinois.	D	(223)
Leuciscinae	*Opsopoeodus emiliae*	NC_033926.1	North America: Edisto River drainage in South Carolina to southern Florida and across Gulf Slope to Nueces River drainage in Texas, USA; north in Mississippi River and Great Lakes basins to	D/A	(223)

			southeastern Kansas, southeastern Minnesota, USA, and southern Ontario, Canada.		
Leuciscinae	*Dionda melanops*	EU082497.1	North America: Mexico.	C	(224)
Leuciscinae	*Dionda nigrotaeniata*	EU082503.1	North America: Colorado and San Antonio River drainages in Texas, USA.	C	(224)
Leuciscinae	*Campostoma pullum*	EU082477.1	North America: USA.	A/D	(225)
Leuciscinae	*Pseudaspius leptocephalus*	NC_008681.1	Asia: Amur drainage, Sakhalin Island and Mongolia.	E	(226)
Leuciscinae	*Hybognathus amarus*	EU811098.1	North America: Rio Grande drainage (including Pecos River) in Texas and New Mexico, USA.	E	(227)
Leuciscinae	*Pimephales notatus*	NC_033941.1	North America: Great Lakes, Hudson Bay (Red River) and Mississippi River basins from southern Quebec to southern Manitoba, Canada and south to Louisiana, USA; Atlantic Slope from St. Lawrence River in Quebec to Roanoke River in USA; Gulf Slope from Mobile Bay drainage in Alabama to Mississippi River, USA.	D/A	(228)
Leuciscinae	*Pimephales promelas*	NC_028087.1	North and Central America: Over much of North America from Quebec to Northwest Territories and British Columbia in Canada and south to Alabama, Texas in USA, and Mexico. Widely introduced, including in Colorado River drainage in Arizona and New Mexico, USA.	D/A	(228)
Leuciscinae	*Pimephales tenellus*	GQ184527.1	North America: in southern Missouri, eastern Kansas, Arkansas and northeastern Oklahoma, USA	D/A	(228)
Leuciscinae	*Pimephales vigilax*	GQ275157.1	North America: Mississippi River basin from western Pennsylvania to Minnesota in USA, and south to Gulf; Gulf Slope drainages from Mobile Bay in Georgia and Alabama to Rio Grande in Texas and New Mexico, USA and Mexico.	D/A	(228)
Leuciscinae	*Notropis procne*	KC763670.1	North America: Atlantic drainages from Delaware and Susquehanna rivers in New York, USA to Santee	D	(229)

			River in South Carolina, USA; Lake Ontario drainage in New York.		
Leuciscinae	*Chrosomus oreas*	KM387437.1	North America: Mountain and Piedmont regions of Atlantic Slope from Shenandoah River (Potomac River drainage) in Virginia to Neuse River drainage in North Carolina, USA; upper New River drainage in West Virginia, Virginia and North Carolina, USA.	D	(230)
Leuciscinae	*Nocomis leptocephalus*	EU082468.1	North America: Atlantic and Gulf Slope drainages from Shenandoah River in Virginia to Mississippi River in Mississippi; tributaries of Mississippi River north to Yazoo River system in Mississippi; upper New River drainage in West Virginia, Virginia and North Carolina, USA; Bear Creek (Tennessee River drainage) in Alabama and Mississippi. Introduced into Little Tennessee River and French Broad systems in North Carolina and Tennessee, USA.	D	(230)
Leuciscinae	*Nocomis raneyi*	GQ275147.1	North America: Atlantic Slope drainages from James River in Virginia to Neuse River (1 record in the upper Cape Fear River) in North Carolina, USA.	D	(231)
Leuciscinae	*Macrhybopsis storeriana*	NC_030485.1	North America: Lake Erie drainage; Red River drainage from Manitoba, Canada south to Minnesota, USA; Mississippi River basin in Pennsylvania and West Virginia west to Minnesota, Nebraska, Kansas, and Oklahoma, and south to Gulf Coast; Gulf drainages from Mobile Bay drainage in Alabama to Lake Pontchartrain drainages in Louisiana, USA; isolated population in Brazos River in Texas, USA.	E	(232)
Leuciscinae	*Notropis chalybaeus*	NC_037008.1	North America: USA.	A	(233)
Leuciscinae	*Cyprinella galactura*	NC_033928.1	North America: disjunct range east and west of Former Mississippi Embayment. Cumberland and Tennessee River drainages; upper Savannah and Santee drainages (Atlantic Slope); and upper New	A	(234)

			River drainage in West Virginia and Virginia; St. Francis and White River drainages in Missouri and Arkansas, USA.		
Leuciscinae	*Dionda diaboli*	EU082494.1	North America: Devils River and nearby San Felipe, Sycamore and Las Moras Creeks in Texas, USA; and northern Mexico.	D/C	(235)
Leuciscinae	*Dionda serena*	EU082505.1	North America: Upper Nueces River drainage in Texas, USA.	D/C	(235)
Leuciscinae	*Cyprinella lepida*	GQ275178.1	North America: Upper Nueces River drainage, Edwards Plateau in Texas, USA.	A	(236)
Leuciscinae	*Rutilus rutilus*	KF784833.1	Europe: north to Pyrenees and Alps, eastward to Ural and Eya drainages (Caspian basin); Aegean basin in Pinios, Vardar, Vegoritis, Kastoria, Struma and Maritza drainages. Asia: Marmara basin and lower Sakarya in Anatolia, Aral basin, and Siberia from Ob eastward to Lena drainages. Naturally absent from Iberian Peninsula, Adriatic basin, Italy, Great Britain north of 56 N, Scandinavia north of 69° N.	A	(237)
Leuciscinae	*Scardinius erythrophthalmus*	NC_031561.1	Eurasia: Most European rivers north of Pyrenees and Alps, eastward to Ural and Eya drainages, Aral and White Sea basins	A	(237)
Leuciscinae	*Squalius cephalus*	NC_031540.1	Eurasia: North, Baltic, northern Black, White, Barents and Caspian Sea basins, Atlatinc basins southward to Adour drainages (France),	A	(237)
Leuciscinae	*Notropis stramineus*	NC_008110.1	North America: St. Lawrence-Great Lakes, Hudson Bay and Mississippi River basins from St. Lawrence River in Quebec to Saskatchewan in Canada, and south to Tennessee and Texas, USA; west to Montana, Wyoming, Colorado and New Mexico, USA; Trinity River to Rio Grande in Texas and New Mexico, USA and Mexico.	A/C	(238)

Leuciscinae	*Hybognathus hayi*	EU811092.1	North America: Ohio and Mississippi River basins from southwestern Indiana and southern Illinois to Louisiana, USA; Gulf Slope drainages from Escambia River in Florida and Alabama, to Sabine River in Texas, USA.	C	(238)
Leuciscinae	*Notropis girardi*	AF352276.1	North America: Arkansas River drainages from western Arkansas to western Kansas, western Oklahoma, Texas and northeastern New Mexico, USA.	E	(238)
Leuciscinae	*Notropis jemezanus*	AF352277.1	North America: found in the Rio Grande drainage in Texas and New Mexico, USA and Mexico.	E	(238)
Leuciscinae	*Notropis simus*	MG806627.1	North America: upper Rio Grande (above El Paso, Texas), Texas and New Mexico and in the Pecos River, New Mexico, USA. Has disappeared over much of its former range, apparently due to reduced water levels in the Rio Grande system	E	(238)
Leuciscinae	*Hybognathus argyritis*	EU811094.1	North America: Missouri River basin in Alberta, Canada and Montana to Missouri, Mississippi River from mouth of Missouri River to mouth of Ohio River, USA; South Saskatchewan River (Hudson Bay) in extreme southern Alberta, Canada.	C	(239)
Leuciscinae	*Notropis volucellus*	AF352268.1	North America: St. Lawrence-Great Lakes, Hudson Bay and Mississippi River basins from Quebec in Canada and Vermont in the USA to Manitoba in Canada, and south to Gulf; from James River in Virginia to Neuse River in North Carolina, USA; from Mobile Bay in Georgia and Alabama to Nueces River in Texas, USA.	A/C	(240)
Leuciscinae	*Rutilus virgo*	FJ824730.1	Europe: Danube drainage upriver of Iron Gate; most abundant in Save drainage.	A	(241)

Leuciscinae	*Chrosomus cumberlandensis*	MG764239.1	North America: upper Cumberland River drainage (Big South Fork and above) in Kentucky and Tennessee, USA.	D	(242)
Leuciscinae	*Erimonax monachus*	GQ275171.1	North America: Historically in several tributaries of Tennessee River in Virginia, North Carolina, Tennessee, Georgia to Alabama, USA; now present only in Little Tennessee River in North Carolina, Buffalo and Emory river in Tennessee, and Holston River in Virginia and Tennessee, USA.	A	(243)
Leuciscinae	*Hybognathus nuchalis*	NC_031567.1	North America: lowland areas of Mississippi River basin from Ohio to Minnesota and south to Louisiana, USA; Gulf drainages from Mobile Bay in Alabama to Brazos River in Texas, USA.	E	(244)
Leuciscinae	*Hybognathus regius*	EU811088.1	North America: Atlantic Slope from St. Lawrence River drainage in Quebec, Canada to Altamaha River drainage in Georgia, USA; Lake Ontario drainage in Ontario, Canada and New York, USA.	C	(245)
Leuciscinae	*Campostoma anomalum*	NC_008102.1	North America: widespread across most of eastern and central U.S. in Atlantic, Great Lakes, Mississippi River, Hudson Bay (Red River) basins from New York and Ontario to North Dakota and Wyoming, and south to Georgia, Louisiana, and Texas (but absent from most of lower Ohio River basin}; Gulf Slope drainages of Texas, also in Rio San Juan basin, Mexico.	A/D	(246)
Leuciscinae	*Phoxinus phoxinus*	NC_020358.1	Eurasia: basins of Atlantic, North and Baltic Seas, Arctic and northern Pacific Ocean, from Garonne (France) eastward to Anadyr and Amur drainages and Korea; Ireland (possibly introduced), Great Britain northward to 58°N. Scandinavia and Russia northernmost extremity, Rhône drainage.	A	(247)

Leuciscinae	*Meda fulgida*	NC_028291.1	North America: Gila River system in Arizona and New Mexico, USA.	A	(248)
Leuciscinae	*Iberochondrostoma lusitanicum*	KF529102.1	Europe: Portugal in Sado, Lizandro, Samarra, Colares and Ossos drainages, south bank tributaries of Tagus.	A	(249)
Leuciscinae	*Achondrostoma occidentale*	KF529123.1	Europe: Alcabrichel, Sizandro and Safarujo drainages in Estremadura, Portugal	A	(250)
Leuciscinae	*Semotilus atromaculatus*	NC_033946.1	North America: most of east USA and southeast Canada in Atlantic, Great Lakes, Hudson Bay, Mississippi, and Gulf basins as far west as Saskatchewan, Wyoming, and Brazos River in Texas, but absent from Florida and south Georgia; isolated population in the upper Pecos and Canadian River systems, New Mexico. Introduced elsewhere in USA.	D	(251)
Leuciscinae	*Semotilus corporalis*	MG806644.1	North America: Hudson Bay, Lake Ontario, and Atlantic Slope drainages from Quebec and Ontario, Canada to James River drainage, Virginia, USA.	D	(252)
Leuciscinae	*Moapa coriacea*	JX443064.1	North America: endemic to warm springs of Muddy (Moapa) River in southeastern Nevada, USA.	A	(253)
Leuciscinae	*Oregonichthys crameri*	KY398935.1	North America: Willamette River drainages in Oregon, USA.	A	(254)
Leuciscinae	*Pseudophoxinus kervillei*	HQ167617.1	Eurasia: Orontes River, the Litani and the central and northern part of the Jordan River drainage.	C	(255)
Leuciscinae	*Chrosomus erythrogaster*	NC_031570.1	North America: Basins of Lakes Erie and Michigan and Mississippi River from New York to Minnesota, south to Tennessee River drainage in Albama, and White and Arkansas River drainages in Arizona and Oklahoma, USA. Isolated populations on Former Mississippi Embayment in Tennessee, Mississippi and Arkansas; Kansas River system in Kansas; and upper Arkansas River drainage in Colorado and New Mexico, USA.	D	(256)

Leuciscinae	*Tribolodon hakonensis*	NC_018820.1	Asia: Sakhalin, Japan, and Korea. Reported from Russia and China	A	(257)
Leuciscinae	*Erimystax cahni*	AY486010.1	North America: upper Tennessee River drainage (Holston, Clinch and Powell Rivers) in Tennessee and Virginia, USA.	C	(258)
Leuciscinae	*Erimystax dissimilis*	NC_031571.1	North America: Ohio River basin from western New York to northern Indiana and south to northern Alabama, USA; single record from Lake Erie in Ohio.	C	(258)
Leuciscinae	*Erimystax insignis*	AY486042.1	North America: Cumberland and Tennessee River drainages in Virginia, North Carolina, Kentucky, Tennessee, Georgia and Alabama, USA.	C	(258)
Leuciscinae	*Lythrurus fumeus*	NC_033933.1	North America: Mississippi River basin in central Illinois, to northwestern Alabama, Louisiana and eastern Oklahoma, USA; Gulf drainages from Lake Pontchartrain in Louisiana to Navidad River in Texas, USA.	D	(259)
Leuciscinae	*Plagopterus argentissimus*	AF452090.1	North America: Virgin and Gila River systems (both lower Colorado River drainage) in Utah, Nevada and Arizona, USA. Extant only in Gila River system.	A	(260)
Leuciscinae	*Hybognathus hankinsoni*	AF452080.1	North America: St. Lawrence River and Lake Champlain drainages in Quebec, Canada and in Vermont, USA; across Great Lakes, Hudson Bay and Missouri-upper Mississippi River basins of southern Canada and northern USA south to Missouri and Colorado; Mackenzie River system (Arctic basin) in Alberta, Canada; Fraser River system (Pacific Slope) in British Columbia, Canada.	A	(261)
Leuciscinae	*Notropis stilbius*	AF352286.1	North America: Mobile Bay drainage in Georgia, Alabama, Mississippi and southeastern Tennessee, USA. One record from Bear Creek (Tennessee River drainage) in northwestern Alabama, USA.	C	(262)

Leuciscinae	*Notropis asperifrons*	MG806606.1	North America: Alabama and Black Warrior River systems in southeastern Tennessee, northwestern Georgia and Alabama, USA.	C	(262)
Leuciscinae	*Lythrurus fasciolaris*	HQ446749.1	North America: Ohio River basin from Muskingum River drainage in Ohio to southeast Illinois (extirpated in Illinois) and south to Tennessee River drainage in Georgia, Alabama and Mississippi, USA; upper Black Warrior River system (Gulf basin) in Alabama, USA.	D	(263)
Leuciscinae	*Cyprinella caerulea*	GQ275174.1	North America: Coosa and Cahaba River systems in southeast Tennessee, northwest Georgia and Alabama, USA.	A	(264)
Leuciscinae	*Cyprinella trichroistia*	GQ275244.1	North America: Alabama River drainage (mostly Coosa and Cahaba River systems) in southeastern Tennessee, northwestern Georgia and Alabama, USA; localized in Black Warrior River system, Alabama.	A	(264)
Leuciscinae	*Notropis hudsonius*	NC_037014.1	North America: St. Lawrence River in Quebec, Canada to Altamaha and upper Chattahoochee River in Georgia, USA; Hudson Bay, Great Lakes, and Mississippi River basins from Ontario, Canada to Mackenzie River drainage in Canada and south to northern Ohio, southern Illinois and northeastern Montana, USA.	C	(265)
Leuciscinae	*Notropis atherinoides*	NC_033925.1	North America: widely distributed throughout Canada and south to Virginia and Texas, USA.	E	(265)
Leuciscinae	*Notropis dorsalis*	AF117163.1	North America: Great Lakes, Hudson Bay (Red River) and Mississippi River basins from Michigan, USA to Manitoba, Canada and from eastern Illinois to Platte River system in Wyoming and Colorado, USA	E	(265)
Leuciscinae	*Ladigesocypris ghigii*	AY838937.1	Europe: Rhodos Island in Greece.	A	(266)
Leuciscinae	*Lavinia exilicauda*	NC_033930.1	North America: Sacramento-San Joaquin, Clear Lake, Russian River, and Pajaro-Salinas river drainages in California, USA.	C	(267)

Leuciscinae	*Squalius lucumonis*	EU856048.1	Europe: Serchio, Ombrone, Arno and Tevere drainages (Tyrrhenian slope) in Italy.	A	(268)
Leuciscinae	*Hemitremia flammea*	AY281054.1	North America: middle Cumberland (mostly Caney Fork) and Tennessee River drainages in Tennessee, Georgia, and Alabama, USA; Kelley Creek (Coosa River system) in Alabama.	C	(269)
Leuciscinae	*Campostoma oligolepis*	DQ486793.1	North America: USA from the upper Mississippi River and Lake Michigan drainages; Ozarkian streams; Green, Cumberland and Tennessee River drainages; and Mobile Bay drainage.	D	(270)
Leuciscinae	*Campostoma pauciradii*	DQ324065.1	North America: Apalachicola and Oconee river drainages (mostly above Fall Line) in Georgia and Alabama, USA; extreme upper Tallapoosa and Etowah river drainages in Georgia; Toccoa River system (Tennessee River drainage) in Georgia.	D	(270)
Leuciscinae	*Agosia chrysogaster*	EU082510.1	North America: lower Colorado River drainage (primarily Gila and Bill William River systems) in New Mexico and Arizona, USA and south through southern Arizona and Pacific drainages of Mexico.	D	(271)
Leuciscinae	*Exoglossum maxillingua*	NC_037015.1	North America: Atlantic Slope from St. Lawrence River drainage in Quebec, Canada to upper Roanoke River in North Carolina, USA (absent in most of New England; present in Connecticut River, Vermont based on single record); Lake Ontario drainage in Ontario, Canada and New York, USA.	D	(272)
Leuciscinae	*Cyprinella analostana*	GQ275237.1	North America: Atlantic Slope from Hudson River drainage in New York to Peedee River drainage in South Carolina, USA; isolated records in Lake Ontario drainage in New York.	A	(273)
Leuciscinae	*Cyprinella camura*	GQ275235.1	North America: tributaries of Mississippi and Tennessee rivers on Former Mississippi Embayment from Kentucky to Louisiana, USA; Arkansas River	A	(273)

			drainage in southwestern Missouri, eastern Kansas, northwestern Arkansas and eastern Oklahoma, USA.		
Leuciscinae	*Cyprinella lutrensis*	NC_008643.1	North America: Mississippi River basin from soutwestern Wisconsin and eastern Indiana to Wyoming and south to Louisiana, USA; Gulf drainages west of Mississippi River to Rio Grande in Texas, New Mexico and Colorado, USA.	A	(273)
Leuciscinae	*Notropis lutipinnis*	KC763664.1	North America: Atlantic and Gulf slopes from Santee River in North Carolina to Altamaha River, upper Chattahoochee River and upper Coosa River systems in Georgia, USA; Little Tennessee River system (Tennessee River drainage) in North Carolina, USA.	D	(274)
Leuciscinae	*Notropis sabinae*	AF117199.1	North America: St. Francis and lower White (including lower Black) River drainages in Missouri and Arkansas, USA; Little River system (lower Red River drainage), Louisiana, USA; and Gulf Coast drainages from Calcasieu River in Louisiana to San Jacinto River in Texas, USA.	E	(275)
Leuciscinae	*Nocomis biguttatus*	NC_033924.1	North America: Mohawk River system in New York, USA west through Great Lakes and Mississippi River basin to Red River drainage (Hudson Bay basin) in Manitoba, Canada and North Dakota, USA, and south to Ohio River drainage; Ozark drainages in Missouri and Arkansas, USA.	D	(276)
Leuciscinae	*Notropis topeka*	KC763675.1	North America: Mississippi River basin in the USA from southern Minnesota and southeastern South Dakota south to central Missouri and southern Kansas (in Arkansas River drainage).	D	(277)
Leuciscinae	*Hybopsis rubrifrons*	EU917433.1	North America: Saluda, Savannah and Altamaha River drainages in South Carolina and Georgia, USA.	D	(278)
Leuciscinae	*Lythrurus umbratilis*	NC_033935.1	North America: Great Lakes and Mississippi River basins in western New York, USA and southern	D	(279)

			Ontario, Canada to southeastern Minnesota and south to Louisiana, USA; Gulf drainages west of Mississippi River to Trinity and San Jacinto rivers in Texas, USA.		
Leuciscinae	*Chondrostoma soetta*	AY568623.1	Europe: Adriatic basin from Soca to Po drainages (Slovenia, Italy).	A	(280)
Leuciscinae	*Leuciscus waleckii*	NC_018825.1	Asia: China, Korea and Amur river basin.	A	(57)
Leuciscinae	*Acanthobrama lissneri*	HM560056.1	Asia: endemic to the Jordan River drainage basin, where it is widely distributed in lakes and most tributaries. In the coastal plain of Palestine it occurs only in the Nahr al-Muqatta (Qishon River).	-	
Leuciscinae	*Acanthobrama marmid*	AY026411.1	Asia: Tigris-Euphrates with tributaries, Quwaik at Aleppo, Orontes and Amik Gölü.	-	
Leuciscinae	*Acanthobrama persidis*	NC_031562.1	Asia: endemic to Iran in the River Kor, Gulf Coast.	-	
Leuciscinae	*Achondrostoma arcasii*	KF529113.1	Europe: Spain and Portugal in most drainages from Jucar northward and headwaters of Tagus, except northern slope.	-	
Leuciscinae	*Achondrostoma oligolepis*	KF529120.1	Europe: Portugal from Limia to Tornada drainages (south of Douro)	-	
Leuciscinae	*Acrocheilus alutaceus*	NC_033927.1	North America: Fraser and Columbia River drainages in British Columbia in Canada, Washington, Idaho, Oregon, and Nevada in USA; Harney River basin in Oregon, USA.	-	
Leuciscinae	*Alburnoides economoui*	MF152963.1	Europe: Spercheios River drainage, Greece.	-	
Leuciscinae	*Alburnoides eichwaldii*	KM874573.1	Europe and Asia: river drainages of the southwestern Caspian coast from Samur down to rivers of the Lenkoran Province in Azerbaijan.	-	
Leuciscinae	*Alburnoides fasciatus*	KM874580.1	Europe and Asia: Western Transcaucasia and rivers of the Black Sea coast in Turkey westward to Kizilirmak.	-	
Leuciscinae	*Alburnoides kubanicus*	KM874585.1	Europe: Kuban and Laba River drainages in Russia.	-	

Leuciscinae	*Alburnoides maculatus*	KM874587.1	Europe: Crimea Peninsula, Ukraine. Recorded from Chernaya, Bel'bek, Kacha, Al'ma and Salgir rivers.	-
Leuciscinae	*Alburnoides ohridanus*	KM874591.1	Europe: Lake Ohrid in Macedonia and Albania.	-
Leuciscinae	*Alburnoides prespensis*	KM874605.1	Europe: Lakes Prespa in Greece, Macedonia, and Albania.	-
Leuciscinae	*Alburnoides rossicus*	KM874612.1	Europe: Dniester, South Bug, Dnieper, rivers of the northern Sea of Azov coast and Don river drainages in the Black Sea (and Sea of Azov) basin, also Volga River, Caspian Sea basin from upper reaches in Tver' Province and upper reaches of Oka River downstream to Kama River (inclusive, with tributaries) and rivers and lakes of Samara Province.	-
Leuciscinae	*Alburnoides strymonicus*	KM874618.1	Europe: Strymon River basin in Bulgaria, Greece, and Macedonia.	-
Leuciscinae	*Alburnoides taeniatus*	MG806648.1	Former USSR: Amu-Darya, Zeravshan, Syr-Darya and Chu River.	-
Leuciscinae	*Alburnoides thessalicus*	MF152960.1	Europe: Pinios and Aliakmon River drainages in Greece.	-
Leuciscinae	*Alburnus albidus*	KJ463852.1	Europe: Southern Italy from Trigno to Basento drainages (Adriatic basin) and from Volturno to Alento drainages (Tyrrhenian basin).	-
Leuciscinae	*Alburnus baliki*	AY838936.1	Asia: known only from the Manavgat River basin in Turkey.	-
Leuciscinae	*Alburnus escherichii*	AY026390.1	Asia: Sakarya river drainage and Kizilirmak river, Turkey.	-
Leuciscinae	*Alburnus filippii*	HM560070.1	Former USSR: Basin of the Kura (from the upper to the lower reaches with the tributaries) and the Aras (also lakes of Chaldyr-gel and Aiger-gel), rivers of the Lenkoran District and Safid-rud.	-
Leuciscinae	*Alburnus hohenackeri*	AY026393.1	Europe and Asia: Western and southern Caspian basin, from Kuma to Artek drainages.	-

Leuciscinae	*Alburnus istanbulensis*	NC_019574.1	Asia: Turkey in coastal streams of Thrace from Karasu (Marmara Sea drainage) to Papuç (Black Sea drainage), and Lake Sapanca.	-
Leuciscinae	*Alburnus kotschyi*	HM560072.1	Asia: endemic to Turkey.	-
Leuciscinae	*Alburnus macedonicus*	AF090743.1	Europe: Lake Doiran in Greece and Macedonia.	-
Leuciscinae	*Alburnus mandrensis*	MG806651.1	Europe: Lake Mandras drainage (Black Sea basin) in Bulgaria.	-
Leuciscinae	*Alburnus mossulensis*	NC_031573.1	Asia: Tigris-Euphrates basin from the very upper reaches to the delta, Kor, Mand and Kul rivers in Iran.	-
Leuciscinae	*Alburnus orontis*	HQ167604.1	Asia: Orontes system.	-
Leuciscinae	*Alburnus schischkovi*	MG806652.1	Europe and Asia: Black Sea basin in Resowska (Turkey) and Veleka (Bulgaria) drainages. Shemayas from rivers of Bulgaria north to Kamtchya might belong to this species.	-
Leuciscinae	*Alburnus thessalicus*	MG806653.1	Europe: Pinios to Struma drainages in Greece, Macedonia and Bulgaria.	-
Leuciscinae	*Alburnus vistonicus*	MG806654.1	Europe: Lake Vistonis drainage in Greece	-
Leuciscinae	*Algansea amecae*	FJ913812.1	North America: Mexico. Endemic to the eastern headwaters of the Ameca River basin in west-central Mexico in the state of Jalisco	-
Leuciscinae	*Algansea aphanea*	FJ913775.1	North America: Rio Ayutla, Rio Armeria and Rio Tuxpan, Mexico.	-
Leuciscinae	*Algansea avia*	FJ913781.1	North America: Mexico.	-
Leuciscinae	*Algansea barbata*	FJ913782.1	North America: endemic to the Lerma River basin, Mexico.	-
Leuciscinae	*Algansea lacustris*	NC_031565.1	North America: endemic to the Lerma River basin.	-
Leuciscinae	*Algansea monticola*	FJ913789.1	North America: Mexico.	-
Leuciscinae	*Algansea tincella*	EU082507.1	Central America: Mexico.	-
Leuciscinae	*Aspiolucius esocinus*	NC_031563.1	Former USSR.	-
Leuciscinae	*Aztecula sallaei*	EU082472.1	Central America: endemic to Mexico.	-
Leuciscinae	*Chondrostoma angorense*	HM560078.1	Asia: Sakarya and Kizilirmak River basins in northern Anatolia, Turkey.	-

Leuciscinae	*Chondrostoma holmwoodii*	AF533762.1	Asia: Turkey.	-
Leuciscinae	*Chondrostoma lemmingii*	NC_008108.1	Europe: Spain and Portugal: Tagus, Guadiana, Odiel, Guadalquivir (except Jándula system) and southwestern Douro drainages.	-
Leuciscinae	*Chondrostoma prespense*	MG806659.1	Europe: Lakes Prespa basin (Albania, Greece and Macedonia).	-
Leuciscinae	*Chondrostoma regium*	AF533754.1	Asia: Southern Anatolia, Turkey and Near East. Found in Lake Beysehir and river basins of Göksu, Seyhan, Ceyhan, Kueik, Orontes (Mediterranean Sea) and Tigris-Euphrates (Persian Gulf).	-
Leuciscinae	*Chondrostoma vardarense*	MG806661.1	Europe and Asia: Aegean basin from Maritza to Pinios drainages (Turkey, Bulgaria, Greece, Macedonia); and Adriatic basin in Aoos drainage (Greece, Albania).	-
Leuciscinae	*Cyprinella chloristia*	GQ275227.1	North America: Santee River drainage in North Carolina and South Carolina, USA; and Peedee River drainage in South Carolina.	-
Leuciscinae	*Cyprinella formosa*	EU082519.1	North America: San Bernardina Creek in southwest New Mexico and southeast Arizona, USA, also in Mexico. Presumed extirpated in the US.	-
Leuciscinae	*Cyprinella garmani*	EU082523.1	North America: Mexico.	-
Leuciscinae	*Cyprinella labrosa*	GQ275182.1	North America: upper Peedee and Santee River drainages in Virginia, North Carolina and South Carolina, USA.	-
Leuciscinae	*Cyprinella leedsi*	NC_037011.1	North America: Atlantic Slope from Edisto River drainage in South Carolina to Altamaha River drainage in Georgia, USA; Gulf Slope in Suwannee and Ochlockonee drainages in Georgia and Florida, USA.	-
Leuciscinae	*Cyprinella nivea*	GQ275241.1	North America: Atlantic Slope from Neuse River drainage in North Carolina to Savannah River drainage in Georgia, USA.	-

Leuciscinae	*Cyprinella panarcys*	GQ275197.1	Central America: Mexico.	-
Leuciscinae	*Cyprinella proserpina*	EU082521.1	North and Central America: Devils River, lower Pecos River and nearby tributaries of Rio Grande in Texas, USA; and Rio San Carlo (Rio Grande drainage), Coahuila, Mexico.	-
Leuciscinae	*Cyprinella pyrrhomelas*	GQ275246.1	North America: Peedee and Santee River drainages in North Carolina and South Carolina, USA.	-
Leuciscinae	*Cyprinella rutila*	EU082524.1	North America: Mexico.	-
Leuciscinae	*Cyprinella xaenura*	GQ275249.1	North America: upper Altamaha River drainage in northern central Georgia, USA.	-
Leuciscinae	*Cyprinella xanthicara*	DQ324103.1	North America: Mexico.	-
Leuciscinae	*Hybopsis zanema*	GQ275251.1	North America: Cape Fear, Peede and upper upper Santee river drainages in North Carolina and South Carolina, USA.	-
Leuciscinae	*Delminichthys adspersus*	MG806662.1	Europe: Vrljika drainage and Lake Crveno in Imotsko polje, Matica and Norin drainages (Croatia); Tihaljina and Trebizat system in Neretva drainage (Bosnia-Herzegovina).	-
Leuciscinae	*Delminichthys ghetaldii*	HM560091.1	Europe: Bosnia-Herzegovina from streams and springs in Popovo, Ljubomirsko, Dabarsko, and Fatnicko poljes; Croatia from Bacina lakes and some springs in southern Dalmatia.	-
Leuciscinae	*Delminichthys jadovensis*	MG806664.1	Europe: Croatia in River Lika and its tributary Jadova.	-
Leuciscinae	*Delminichthys krbavensis*	HM560086.1	Europe: Krbavsko polje in Croatia.	-
Leuciscinae	*Eremichthys acros*	JX443092.1	North America: warm springs of Soldier Meadows, Lahontan basin, Humboldt County in Nevada, USA.	-
Leuciscinae	*Erimystax harryi*	KC763652.1	North America: St. Francis and White river drainages in Missouri and Arkansas, U.S.A.	-
Leuciscinae	*Gila brevicauda*	KF514153.1	North America: México.	-
Leuciscinae	*Gila coerulea*	KF514155.1	North America: Klamath and Lost River systems in Oregon and California, USA.	-
Leuciscinae	*Gila conspersa*	NC_013761.1	North America: Mexico.	-

Leuciscinae	*Gila ditaenia*	JX443023.1	North and central America: Sycamore (Bear) Canyon in Arizona, USA; Rio de la Concepcion in Sonora, Mexico.	-
Leuciscinae	*Gila elegans*	KF514188.1	North America: Colorado River drainage in Wyoming, Colorado, Utah, New Mexico, Arizona and California in USA; and Mexico.	-
Leuciscinae	*Gila eremica*	KF514192.1	North America: headwaters of the Sonora and Matape rivers of northwestern Sonora, México.	-
Leuciscinae	*Gila intermedia*	KF514194.1	North America: Gila River system (Colorado River drainage) in New Mexico and Arizona, USA. Central America: Sonora, Mexico.	-
Leuciscinae	*Gila minacae*	KF514202.1	North America: Mexico.	-
Leuciscinae	*Gila modesta*	KF514209.1	North America: Mexico.	-
Leuciscinae	*Gila nigra*	KF514210.1	North America: Gila River system (Colorado River drainage) in New Mexico and Arizona, USA.	-
Leuciscinae	*Gila nigrescens*	KF514226.1	North America: Mimbres River in New Mexico, USA; Lagunas Guzman and Bustillos, Chihuahua in Mexico.	-
Leuciscinae	*Gila orcuttii*	JX443038.1	North America: Malibu and San Juan creeks, and Los Angeles, San Gabriel, San Luis Rey, Santa Ana, and Santa Margarita River drainages in California, USA.	-
Leuciscinae	*Gila pandora*	EU747198.1	North America: Upper Rio Grande and Pecos River systems in Colorado and New Mexico, USA; isolated populations in Davis Mountains (Pecos River system) in Texas, USA.	-
Leuciscinae	*Gila pulchra*	KF514253.1	North America: Río Chihuahua and tributaries, Chihuahua, Mexico (type locality).	-
Leuciscinae	*Gila purpurea*	JX443021.1	North America: Rio Yaqui basin in Arizona, USA and Mexico.	-
Leuciscinae	*Gila seminuda*	KF514256.1	North America: Virgin River system (Colorado River drainage) in Utah, Nevada and Arizona; Muddy River system (Moapa) in Nevada, U.S.A.	-

Leuciscinae	*Hesperoleucus symmetricus*	AF370116.1	North America: Sacramento-San Joaquin, Russian, Pajaro-Salinas and smaller coastal drainages in California, USA.	-
Leuciscinae	*Hybopsis amblops*	AF117153.1	North America: Lake Erie drainage in New York, Pennsylvania, Ohio and Michigan, USA; Ohio River basin from New York to eastern Illinois and south to Tennessee River drainage in Georgia and Alabama, USA; Ozarks of Missouri, Arkansas and Oklahoma, USA (absent in Missouri River drainage).	-
Leuciscinae	*Hybopsis amnis*	EU917422.1	North America: Mississippi River basin in the USA from Wisconsin and Minnesota south to Louisiana, mostly in lowland areas but extending up to Cumberland River to Kentucky and in Arkansas and Red River drainages to eastern Oklahoma; from Amite River in Louisiana to Guadalupe River in Texas, USA.	-
Leuciscinae	*Hybopsis lineapunctata*	NC_033929.1	North America: Coosa and Tallapoosa River systems (in Mobile Bay drainage) in southeastern Tennessee, Georgia and Alabama, USA.	-
Leuciscinae	*Iberochondrostoma almacai*	KF529105.1	Europe: southern Portugal (Mira, Arade and Bensafrim drainages)	-
Leuciscinae	*Iberochondrostoma olisiponensis*	KF529008.1	Europe: lower Rio Tejo basin in Portugal	-
Leuciscinae	*Iberochondrostoma oretanum*	KF529131.1	Europe: Jándula system, Guadalquivir drainage in Spain.	-
Leuciscinae	*Iberocypris palaciosi*	AF045990.1	Europe: middle Guadalquivir drainage near Andújar in Spain.	-
Leuciscinae	*Ladigesocypris irideus*	HM560096.1	Asia: Bergama to Dalaman in Turkey.	-
Leuciscinae	*Lepidomeda albivallis*	JX443060.1	North America: Upper White River system in Nevada, USA.	-
Leuciscinae	*Lepidomeda aliciae*	AY825486.1	Norrth America: Utah Lake and Sevier river systems in Utah, USA; historically in Beaver River system,	-

			where it now appears to be extinct; possibly introduced into the Colorado River drainage.	
Leuciscinae	*Lepidomeda mollispinis*	AF452092.1	North America: Virgin River system in Utah, Nevada and Arizona, USA.	-
Leuciscinae	*Leuciscus burdigalensis*	NC_029426.1	Europe: France from Loire to Garonne drainages on Atlantic slope and from Tech to Aude drainages on Mediterranean slope.	-
Leuciscinae	*Leuciscus oxyrrhis*	NC_029425.1	Europe: upper reaches of Lot, Aveyron, Tarn, and Dordogne (Garonne drainage) in France.	-
Leuciscinae	*Leuciscus schmidti*	AY026396.1	Asia: Lake Issykul, Kyrgyzstan.	-
Leuciscinae	*Leuciscus vorax*	MG806668.1	Asia: Tigris-Euphrates basin. Also recorded from the Orontes	-
Leuciscinae	*Lythrurus atrapiculus*	U17271.1	North America: Apalachicola (including upper Flint River), Choctawhatchee, Yellow and Escambia river drainages in western Georgia, southeastern Alabama and Florida, USA.	-
Leuciscinae	*Lythrurus lirus*	NC_033934.1	North America: Tennessee and Alabama River drainages in Virginia, Tennessee, northwestern Georgia and Alabama, USA. Nearly restricted to Coosa River system above Fall Line in Alabama River drainage.	-
Leuciscinae	*Lythrurus matutinus*	KC763684.1	North America: Tar and Neuse river drainages, North Carolina, USA.	-
Leuciscinae	*Lythrurus snelsoni*	U17272.1	North America: above Fall Line in the Little River system in Arizona and Oklahoma (Ouachita Mountains), USA.	-
Leuciscinae	*Margariscus margarita*	AF452072.1	North America: Atlantic Slope of USA from Hudson River drainage in Vermont and New York, south to Potomac River drainage in Virginia; upper Ohio River drainages in south New York to West Virginia; Canada from British Columbia to Newfoundland and	-

			Nova Scotia, Northwest Territories, and Yukon Territory	
Leuciscinae	*Mylopharodon conocephalus*	JX443004.1	North America: Sacramento-San Joaquin and Russian River drainages in California, USA.	-
Leuciscinae	*Notropis alborus*	KC763686.1	North America: Atlantic Slope drainages from Chowan River in Virginia, USA to Santee River in South Carolina, USA.	-
Leuciscinae	*Notropis altipinnis*	KC763655.1	North America: Roanoke River drainage in Virginia, USA to Savannah River drainage in South Carolina, USA.	-
Leuciscinae	*Notropis amabilis*	AF352269.1	North America: Colorado River to Rio Grande (into lower Pecos River) drainages in Texas, USA and Mexico.	-
Leuciscinae	*Notropis amecae*	GQ249855.1	North America: Mexico.	-
Leuciscinae	*Notropis ammophilus*	AF117161.1	North America: Mobile Bay drainage in Alabama and Mississippi, USA; Yellow Creeks (Tennessee River drainage) in Mississippi; Hatchie River and Skuna River drainages in Tennessee and Mississippi.	-
Leuciscinae	*Notropis anogenus*	AY140698.1	North America: Lake Ontario drainage of Ontario in Canada and New York to North Dakota and central Illinois (where now extirpated) in the USA.	-
Leuciscinae	*Notropis ariommus*	AF352271.1	North America: Ohio River basin from Pennsylvania to Indiana and south to Tennessee River drainage in Georgia and Alabama, USA	-
Leuciscinae	*Notropis bifrenatus*	NC_033938.1	North America: St. Lawrence-Lake Ontario drainage in Quebec and Ontario in Canada, and New York in the USA;	-
Leuciscinae	*Notropis blennius*	AF117171.1	North America: Hudson Bay basin from Manitoba to Alberta, Canada (absent in eastern Kansas) and south through Red River in Minnesota and North Dakota, USA.	-

Leuciscinae	*Notropis boops*	AF352261.1	North America: Lake Erie drainage in northwestern Ohio, USA; Mississippi River basin from central Ohio to eastern Kansas and south to northern Alabama, northern Louisiana and southern Oklahoma in the USA	-
Leuciscinae	*Notropis boucardi*	AF469159.1	North America: Mexico.	-
Leuciscinae	*Notropis braytoni*	GQ275168.1	North America: Rio Grande drainage from near mouth upstream to mouth of Rio Conchos and lower Pecos River in Texas, USA.	-
Leuciscinae	*Notropis buchanani*	AY281058.1	North America: Mississippi River basin from Pennsylvania, USA to New Brunswick in Canada, Kansas, and Oklahoma, and from Minnesota and Wisconsin south to Alabama and Louisiana, USA	-
Leuciscinae	*Notropis cahabae*	KC763659.1	North America: Found in the main channel of Cahaba River, Shelby and Bibb counties in Alabama, USA.	-
Leuciscinae	*Notropis calientis*	EU082473.1	North America: endemic to Mexico.	-
Leuciscinae	*Notropis candidus*	AF352275.1	North America: Alabama and Tombigbee rivers and lower portions of their major tributaries in Alabama, USA.	-
Leuciscinae	*Notropis chihuahua*	KC763698.1	North America: Rio Grande drainage in Big Bend region of southwestern Texas, USA; and in northern Mexico.	-
Leuciscinae	*Notropis edwardraneyi*	AF352263.1	North America: Mobile Bay drainage in Alabama and Mississippi, USA.	-
Leuciscinae	*Notropis grandis*	KC778802.1	Central America: known only from the Zacapu Lake and its outlet in Michoacan, Mexico.	-
Leuciscinae	*Notropis greenei*	KC763662.1	North America: Ozarkian tributaries of Mississippi, Missouri, White and Arkansas rivers in southern Missouri, northern Arkansas and northeastern Oklahoma, USA.	-
Leuciscinae	*Notropis heterodon*	AY140697.1	North America: southern Quebec, Canada and from Vermont to Minnesota and Iowa in the USA. Mostly	-

			restricted to Great Lakes and upper Mississippi River basins but localized in a few Atlantic drainages (St. Lawrence, Hudson, Susquehanna rivers), upper Ohio River basin and Hudson Bay	
Leuciscinae	*Notropis heterolepis*	NC_037009.1	North America: Atlantic, Great Lakes, Hudson Bay and Mississippi River basins from Nova Scotia to Saskatchewan in Canada, south to Ohio, Illinois, Missouri and Kansas in the USA. Common in some parts of range but disappearing from southern part.	-
Leuciscinae	*Notropis imeldae*	NC_033921.1	North America: Mexico.	-
Leuciscinae	*Notropis melanostomus*	KC763666.1	North America: Blackwater-Yellow River system (Pensacola Bay drainage) in Florida, USA.	-
Leuciscinae	*Notropis micropteryx*	MG806617.1	North America: USA.	-
Leuciscinae	*Notropis moralesi*	EU082474.1	North America: Mexico.	-
Leuciscinae	*Notropis ortenburgeri*	MG806619.1	North America: upper Ouachita, Arkansas and Red River drainages in southwestern Arkansas and eastern Oklahoma, USA.	-
Leuciscinae	*Notropis ozarcanus*	KC763668.1	North America: in White and Black River systems in Missouri and Arkansas, USA. Formerly in upper St. Francis River drainage in Missouri, but now extirpated.	-
Leuciscinae	*Notropis perpallidus*	AF352279.1	North America: Ouachita and Red River drainages, south Arkansas and southeast Oklahoma. Restricted to Little and Kiamichi River systems in the Red River drainage	-
Leuciscinae	*Notropis petersoni*	KC763669.1	North America: Atlantic and Gulf Slope drainages from Cape Fear River in North Carolina to Jordan River in Mississippi, USA. Throughout Florida in the USA except extreme southern tip.	-
Leuciscinae	*Notropis photogenis*	AF352281.1	North America: Lake Erie and Ohio River drainages from Ontario, Canada and New York to Michigan, and south to northern Georgia, USA. Common	-

			throughout eastern part of range, rare in western areas (absent in lower Wabash, lower Cumberland, and most of lower Tennessee River drainages); rare in Lake Erie drainage.	
Leuciscinae	*Notropis potteri*	AF117192.1	North America: Red and Brazos River drainages in Louisiana, Arkansas, Oklahoma and Texas, USA; lower Mississippi River in Louisiana (near mouth of Red River), San Jacinto, Trinity and Colorado rivers in Texas, USA.	-
Leuciscinae	*Notropis rafinesquei*	AF117184.1	North America: Mississippi, USA.	-
Leuciscinae	*Notropis rupestris*	HQ446754.1	North America: lower Caney Fork system and nearby tributaries of central Cumberland River drainage in Tennessee, USA.	-
Leuciscinae	*Notropis scabriceps*	KC763672.1	North America: New River drainage in West Virginia, Virginia and North Carolina, USA.	-
Leuciscinae	*Notropis scepticus*	AF352282.1	North America: Cape Fear River drainage in North Carolina to Savannah River drainage in Georgia, USA.	-
Leuciscinae	*Notropis semperasper*	KC763673.1	North America: found in the upper James River drainage in West Virginia, USA.	-
Leuciscinae	*Notropis shumardi*	AF352284.1	North America: large rivers of Missouri-Mississippi basins (mainly Missouri, Mississippi, Illinois, Kaskaskia, lower Ohio, Arkansas, and Red rivers), from South Dakota and central Illinois, USA south to Gulf; Gulf Coast drainages in Texas from Sabine Lake (apparently introduced) to Colorado River.	-
Leuciscinae	*Notropis spectrunculus*	KC763674.1	North America: upper Tennessee River drainage in Virginia, North Carolina, Tennessee and Georgia in the USA.	-
Leuciscinae	*Notropis suttkusi*	AF352288.1	North America: endemic to the Ouachita uplands, a component of the interior highlands of north America.	-

Leuciscinae	*Notropis telescopus*	NC_033940.1	North America: disjunct: Cumberland and Tennessee River drainages in Virginia, North Carolina, Kentucky, Tennessee, Georgia and Alabama, USA; Little, St. Francis and White River drainages in Missouri and Arkansas, USA.	-
Leuciscinae	*Notropis texanus*	AF352267.1	North America: lowlands in Great Lakes, Hudson Bay (Red River) and Mississippi River basins from Michigan, Wisconsin and Minnesota in the USA south to Gulf; Gulf Slope drainages from Suwannee River in Georgia and Florida in the USA to Nueces River in Texas, USA.	-
Leuciscinae	*Notropis uranoscopus*	KC763693.1	North America: Alabama River drainage in Alabama, USA. Restricted to Cahaba River, Uphapee Creek (Tallapoosa River system) and Alabama River in Dallas and Wilcox counties.	-
Leuciscinae	*Notropis wickliffi*	HM179621.1	North America: USA.	-
Leuciscinae	*Notropis xaenocephalus*	HQ446757.1	North America: Coosa and Tallapoosa River systems (Mobile Bay drainage) in southeastern Tennessee, northwestern Georgia and eastern Alabama in the USA.	-
Leuciscinae	*Oreoleuciscus humilis*	MG806670.1	Asia: Changajn and Lake Valley (western Mongolia and Tuva, Russia); and Ob system.	-
Leuciscinae	*Orthodon microlepidotus*	AF452073.1	North America: Sacramento-San Joaquin, Pajaro and Salinas River drainages; Clear Lake in California, USA, also Russian River, where possibly introduced; introduced to Santa Ana River in California and Humboldt River system in Nevada.	-
Leuciscinae	*Pachychilon macedonicum*	HM560103.1	Europe: Gallikos to Pinios drainagse (Greece and Macedonia).	-
Leuciscinae	*Parachondrostoma arrigonis*	KF529133.1	Europe: Júcar River basin, eastern Spain.	-

Leuciscinae	*Parachondrostoma miegii*	KF529132.1	Europe: eastern Cantabric slope, Ebro and adjacent drainages in northeast, and one adjacent headwater in Tagus drainage, Spain.	-
Leuciscinae	*Chondrostoma toxostoma*	AJ439831.1	Europe: Northeastern part of Spain and France. In Appendix III of the Bern Convention (protected fauna).	-
Leuciscinae	*Chondrostoma turiensis*	AY568620.1	Europe: river basins of Turia and Mijares in eastern Spain.	-
Leuciscinae	*Pelasgus laconicus*	MG806673.1	Europe: Evrotas and upper main Alphios basin in Greece.	-
Leuciscinae	*Pelasgus marathonicus*	MG806674.1	Europe: Marathon plain and Sperchios and Kifissos drainages in Greece.	-
Leuciscinae	*Pelasgus minutus*	MG806675.1	Europe: Lake Ohrid and Skadar basins (Albania and Macedonia, Montenegro), also in Morinjska drainage in Montenegro	-
Leuciscinae	*Pelasgus prespensis*	MG806676.1	Europe: Lakes Prespa in Greece, Macedonia, and Albania.	-
Leuciscinae	*Pelasgus thesproticus*	MG806678.1	Europe: Greece (Kalamas to Arachthos drainages, Corfu Island) and Albania (Butrint drainage).	-
Leuciscinae	*Petroleuciscus borysthenicus*	HM560111.1	Eurasia: Western, northern and eastern Black Sea and Sea of Azov basins, from Bulgaria clock-wise to Kizilirmak drainage in northern-central Turkey (missing in Don); Aegean Sea basin, from Strma drainage eastward in Europe; northwestern Turkey. In lower reaches of rivers and coastal lakes, but in Dniepr up to Seim and Desna systems.	-
Leuciscinae	*Petroleuciscus smyrnaeus*	HQ167619.1	Europe and Asia: Lesbos Island in Greece and Aegean drainages of southwestern Turkey, from Izmir to Güllük.	-
Leuciscinae	*Phenacobius catostomus*	HQ446758.1	North America: Mobile Bay drainage in southeastern Tennessee, northwestern Georgia and Alabama, USA.	-

Leuciscinae	*Phenacobius crassilabrum*	JF949842.1	North America: upper Tennessee River drainage from South Fork Holston River in Virginia to Little Tennessee River in Georgia; extreme upper Savannah River drainage in North Carolina, South Caroline and Georgia, USA.	-
Leuciscinae	*Phenacobius teretulus*	JF949844.1	North America: New (upper Kanawha) River drainage in West Virginia, Virginia and North Carolina, USA.	-
Leuciscinae	*Phenacobius uranops*	JF949843.1	North America: Upper Green, middle Cumberland, and Tennessee River drainages in Kentucky, Virginia, Tennessee, Georgia and Alabama, USA.	-
Leuciscinae	*Phoxinellus dalmaticus*	AY838927.1	Europe: stream Cikola in Krka drainage, Croatia.	-
Leuciscinae	*Phoxinellus pseudalepidotus*	AY838926.1	Europe: Neretva drainage in Bosnia-Herzegovina.	-
Leuciscinae	*Phoxinus bigerri*	HM560122.1	Europe: Adour drainage in France; Ebro drainage and streams of Cantabric range (possibly introduced in some) in Spain. Introduced into Douro drainage.	-
Leuciscinae	*Phoxinus jouyi*	NC_018818.1	Asia: Japan.	-
Leuciscinae	*Phoxinus karsticus*	MG681490.1	Europe: probably endemic to the Karstic Popovo Polje-Trebinje endorheic river system in Bosnia Herzegovina.	-
Leuciscinae	*Rhynchocypris kumgangensis*	NC_019614.1	Asia: Korea.	-
Leuciscinae	*Phoxinus semotilus*	NC_029341.1	Asia: Korea.	-
Leuciscinae	*Phoxinus septimaniae*	MG806684.1	Europe: Vidourle drainages in France	-
Leuciscinae	*Phoxinus steindachneri*	NC_015357.1	Asia: Japan, Korea, northeastern Asia, and Siberia.	-
Leuciscinae	*Phoxinus strandjae*	MG806685.1	Europe and Asia: Veleka and Resowska drainages, draining from Strandzha to Black Sea in Bulgaria and Turkey.	-
Leuciscinae	*Phoxinus strymonicus*	MG806686.1	Europe: Angitis system in the Strymon drainage in Greece. Aegean Sea basin, Struma drainage (Greece, probably Bulgaria).	-
Leuciscinae	*Phoxinus ujmonensis*	NC_023802.1	Asia: Russia, Kazakhstan, Mongolia and China.	-

Leuciscinae	*Pseudochondrostoma polylepis*	NC_031574.1	Europe: Tagus drainage in Spain and Portugal; Vouga, Modego, Algoa and Sado drainages in Portugal.	-
Leuciscinae	*Pseudochondrostoma willkommii*	KF529129.1	Europe: Portugal and Spain in Guadiana, Odiel, Guadalquivir and smaller drainages, eastward until Malaga.	-
Leuciscinae	*Pseudophoxinus alii*	HM560128.1	Asia: Turkey.	-
Leuciscinae	*Pseudophoxinus anatolicus*	AY494752.1	Asia: Turkey	-
Leuciscinae	*Pseudophoxinus antalyae*	AY494762.1	Asia: Turkey	-
Leuciscinae	*Pseudophoxinus battalgilae*	HQ167613.1	Asia: Beysehir Gölü in Turkey.	-
Leuciscinae	*Pseudophoxinus callensis*	HM560134.1	Africa: Algeria and Tunisia.	-
Leuciscinae	*Pseudophoxinus crassus*	AY494764.1	Asia: Tuz Gölü tributaries and the region of Aksaray and Nigde, central Anatolia, Turkey.	-
Leuciscinae	*Pseudophoxinus egridiri*	HM560140.1	Asia: endemic to Turkey	-
Leuciscinae	*Pseudophoxinus handlirschi*	AY494766.1	Asia: Lake Egridir, Turkey.	-
Leuciscinae	*Pseudophoxinus maeandri*	AY494758.1	Asia: Turkey.	-
Leuciscinae	*Pseudophoxinus ninae*	HM560145.1	Asia: Onaç drainage in Anatolia, Turkey	-
Leuciscinae	*Pseudophoxinus punicus*	HM560143.1	Africa: Tunisia	-
Leuciscinae	*Pseudophoxinus zekayi*	HM560153.1	Asia: Ceyhan River drainage, Aksu River system east of Kahramanmaraþ in Turkey.	-
Leuciscinae	*Pteronotropis grandipinnis*	KC763695.1	North America: Apalachicola River drainage in Georgia, Alabama and Florida, USA (but absent in Chattahoochee River system north of Cedar Creek in Houston County, Alabama).	-
Leuciscinae	*Pteronotropis merlini*	KC763696.1	North America: Choctawhatchee River system above confluence with Pea River in Alabama, USA.	-
Leuciscinae	*Pteronotropis metallicus*	KC763694.1	North America: Atlantic and Gulf drainages from St. Marys River in Georgia and Florida, USA to New River in Florida panhandle, South in Florida to Alafia River system (Tampa Bay drainage).	-
Leuciscinae	*Ptychocheilus grandis*	JX443070.1	North America: Sacramento-San Joaquin, Pajaro-Salinas, Russian, and Clear Lake drainages in	-

			California, USA. Introduced elsewhere in California, including Eel River and tributaries to Morro Bay.	
Leuciscinae	*Ptychocheilus umpquae*	EU676861.1	North America: Umpqua and Siuslaw River drainages in Oregon, USA.	-
Leuciscinae	*Relictus solitarius*	JN997101.1	North America: Lakes Franklin, Gale, Waring, Steptoe and Spring basins in Nevada, USA.	-
Leuciscinae	*Rhinichthys cobitis*	KC763682.1	North America: Upper Gila River system in New Mexico and Arizona, USA; and San Pedro River in Arizona, USA and northern Sonora, Mexico.	-
Leuciscinae	*Rhinichthys falcatus*	KY398976.1	North America: Fraser and Columbia River drainages in British Columbia in Canada, Washington, Oregon and Idaho in USA.	-
Leuciscinae	*Rhinichthys obtusus*	NC_037010.1	North America: primarily in upper Mississippi and Ohio drainages, U.S.A and Manitoba, Canada.	-
Leuciscinae	*Rhinichthys umatilla*	KY399017.1	North America: Columbia River drainage in British Columbia (Canada), Idaho, Washington and Oregon (USA).	-
Leuciscinae	*Rhynchocypris czekanowskii*	MG806687.1	Eurasia: Arctic Ocean drainages from Kara to Kolyma and Indigirka;	-
Leuciscinae	*Rhynchocypris lagowskii*	NC_015354.1	Asia: Lena and Amur in the north to the Yangtze in the south.	-
Leuciscinae	*Phoxinus percnurus*	NC_015360.1	Eurasia: Widespread but highly disjunct range: lakes in Odra, Vistula, Dniepr, Volga	-
Leuciscinae	*Richardsonius egregius*	GU722306.1	North America:	-
Leuciscinae	*Rutilus heckelii*	KX583810.1	Europe and Asia: freshened areas of Black and Azov Seas, entering Don, Kuban, Dniepr, Dniestr and rarely Danube drainages.	-
Leuciscinae	*Rutilus pigus*	FJ025084.1	Europe: Northern Adriatic basin from Livenza to Po drainages, Lakes Maggiore, Lugano and Como (Italy, Switzerland).	-

Leuciscinae	*Scardinius dergle*	JF727576.1	Europe: Karstic streams in Livanjsko polje, Lakes Busko and Mandecko near Livno, Sarena lakes at Knin, Krka and Cetina basins.	-
Leuciscinae	*Scardinius elmaliensis*	KY288480.1	Asia: endemic to Turkey.	-
Leuciscinae	*Scardinius hesperidicus*	HM560172.1	Europe: Adriatic and Tyrrhenian basins in Slovenia, Italy, and Switzerland. Most likely only native to Po drainage and Adriatic rivers east of Po. Widely introduced in Italy.	-
Leuciscinae	*Scardinius knezevici*	MG806698.1	Europe: Lakes Ohrid (Macedonia, Albania) and Skadar (Montenegro, Albania).	-
Leuciscinae	*Scardinius plotizza*	HM560176.1	Europe: Bosnia-Herzegovina and Croatia in the middle and lower Neretva drainage, Stara (Old) Neretva, Lake Desne, lake basins near Imotski, Matica drainage near Vrgorac.	-
Leuciscinae	*Scardinius scardafa*	AY509833.1	Europe: Tyrrhenian basin from Magra to Garigliano drainages in Italy	-
Leuciscinae	*Semotilus lumbee*	MH053718.1	North America: 'Carolina Sandhills' of south-central North Carolina and northeastern South Carolina, USA; encompassing portions of Cape Fear, Peedee, and Santee river drainages.	-
Leuciscinae	*Siphateles alvordensis*	AF370041.1	North America: Alvord basin in Oregon and Nevada, USA.	-
Leuciscinae	*Siphateles boraxobius*	AF370042.1	North America: Borax Lake and outflows (Alvord basin) in Oregon, USA.	-
Leuciscinae	*Squalius alburnoides*	AJ698710.1	Europe: Iberian Peninsula in Douro, Tagus, Sado, Guadiana, Odiel, Guadalquivir and Quarteira drainages.	-
Leuciscinae	*Squalius albus*	AY549460.1	Europe: Lake Trasimeno (Umbria) in Italy.	-
Leuciscinae	*Squalius aphipsi*	HM560178.1	Europe: Kuban drainage from Adagum to Laba systems.	-

Leuciscinae	*Squalius aradensis*	AJ698711.1	Europe: Arade, Algibre and Bordeira basins in the extreme south of Portugal. Reported from the Iberian Peninsula, Spain	-
Leuciscinae	*Squalius carolitertii*	AJ698456.1	Europe: Iberian Peninsula in Douro, Mondego, Umia, Limia, Tagus, Miño and Lérez drainages.	-
Leuciscinae	*Squalius castellanus*	DQ521423.1	Europe: Gallo River and its tributaries (Tagrus basin) in central Spain.	-
Leuciscinae	*Squalius illyricus*	HM560184.1	Europe: Cetina and Krka drainages in Croatia.	-
Leuciscinae	*Squalius laietanus*	HM560188.1	Europe: Ebro to Port Bou drainages in Spain; Tech and Agly drainages in France, possibly also Aude (Languedoc-Roussillon); possible introgression with Squalius cephalus in southern Garonne tributaries and Adour drainage.	-
Leuciscinae	*Squalius lepidus*	NC_031629.1	Asia: Tigris-Euphrates basin, Quwaiq and Orontes systems and in south-eastern Anatolia.	-
Leuciscinae	*Squalius malacitanus*	HM560192.1	Europe: Guadalmina, Guadaiza and Guadiaro drainages in Spain.	-
Leuciscinae	*Squalius microlepis*	HM560193.1	Europe: Prolosko and Ricice basins near Imotski, Matica drainage near Vrgorac in Croatia	-
Leuciscinae	*Squalius moreoticus*	KY070379.1	Europe: Greece from Lake Stymphalia and Vouraikos drainage (Peloponnese); possibly in other drainages of northern Peloponnese.	-
Leuciscinae	*Squalius orientalis*	HM560196.1	Asia: Turkey.	-
Leuciscinae	*Squalius orpheus*	MG806705.1	Eurasia: Maritza to Struma drainages in Greece, Bulgaria and Turkey.	-
Leuciscinae	*Squalius pamvoticus*	KY070386.1	Europe: Kalamas, Acheron, Louros, and Arachthos drainages and Lake Pamvotis in Greece.	-
Leuciscinae	*Squalius platyceps*	MG806708.1	Europe: Drin drainage, including Skadar Lake basin, in Montenegro and Albania.	-
Leuciscinae	*Squalius prespensis*	MG806709.1	Europe: Lakes Prespa basin Macedonia, Greece and Albania.	-

Leuciscinae	*Squalius pyrenaicus*	AJ698717.1	Europe: Iberian Peninsula from Tagus and lower Ebro drainages southward; missing in Mediterranean slope between Mijares and Vinalopo drainages (present in the upper Jucar) and between Guadaiza and Guadiaro drainages near Malaga	-
Leuciscinae	*Squalius svallize*	HM560207.1	Europe: Neretva, Trebisnjica and Ljuta drainages (Croatia and Bosnia Herzegovina).	-
Leuciscinae	*Squalius torgalensis*	DQ521438.1	Europe: Torgal drainage in southern Portugal. Reported from the Iberian Peninsula, Spain	-
Leuciscinae	*Squalius valentinus*	HM560212.1	Europe: rivers in the Mediterranean slope of Spain between the Mijares and Vinalopo basins	-
Leuciscinae	*Squalius vardarensis*	MG806713.1	Europe: Sperchios to Vardar drainages (Greece and Macedonia).	-
Leuciscinae	*Squalius zrmanjae*	HM560213.1	Europe: Zrmanja and Krka drainages in Croatia. Introduced in Ricica polje with water diverted from Zrmanja for a hydroelectric power plant.	-
Leuciscinae	*Dionda catostomops*	DQ324074.1	North America: Río Tamasopo, north of Tamasopo, San Luis Potosí, Mexico (type locality).	-
Leuciscinae	*Dionda erimyzonops*	DQ324071.1	North America: Mexico.	-
Leuciscinae	*Tampichthys ipni*	NC_031564.1	North America: Barranca de Venados, Puente Venado, Río de Metztitlán, Hidalgo, Mexico (type locality)	-
Leuciscinae	*Dionda mandibularis*	EU082487.1	Central America: Mexico.	-
Leuciscinae	*Telestes beoticus*	AF090770.1	Europe: Kifissos and Assopos drainages in Greece	-
Leuciscinae	*Telestes croaticus*	MG806715.1	Europe: Lika-Jadova, Ricica and Otuca drainages in Croatia.	-
Leuciscinae	*Telestes dabar*	MG806716.1	Europe: Vrijeka and Opacica rivers in the Dabarsko Polje of Eastern Herzegovina in Bosnia and Herzegovina.	-
Leuciscinae	*Telestes fontinalis*	MG372538.1	Europe: karstic streams and springs in Krbava polje, Croatia.	-

Leuciscinae	*Telestes metohiensis*	HM560217.1	Europe: streams and springs in Nevesinje, Gacko, Cernica and Dabar poljes, probably also Lukovac polje in Bosnia-Herzegovina;	-	
Leuciscinae	*Telestes miloradi*	MG372657.1	Europe: Ljuta River in Croatia.	-	
Leuciscinae	*Telestes montenigrinus*	AY509849.1	Europe: Lake Skadar basin (Montenegro, Albania).	-	
Leuciscinae	*Telestes muticellus*	AY509856.1	Europe: Adriatic basin from Brenta to Vomano drainages (Italy, Switzerland); Tyrrhenian basin from Bevera (French-Italian border) to Volturno drainages (Italy).	-	
Leuciscinae	*Telestes polylepis*	JN188380.1	Europe: known only from Croatia in Stajnicka Jaruga.	-	
Leuciscinae	*Telestes souffia*	AY509862.1	Europe	-	
Leuciscinae	*Telestes turskyi*	HM560209.1	Europe: Krka drainage in Cikola, Croatia.	-	
Leuciscinae	*Telestes ukliva*	MG806722.1	Europe: Cetina drainage, Croatia.	-	
Leuciscinae	*Tribolodon nakamurai*	NC_008651.1	Asia: Japan.	-	
Leuciscinae	*Tribolodon sachalinensis*	NC_018821.1	Asia: Japan and Sakhalin Island.	-	
Leuciscinae	*Tropidophoxinellus spartiaticus*	HM560234.1	Europe: Nedas to Evrotas drainages in southern Peloponnese, Greece.	-	
Leuciscinae	*Vimba elongata*	AY026405.1	Europe: Danube River.	-	
Leuciscinae	*Vimba melanops*	NC_031539.1	Eurasia: Northern Aegean basin from Maritza to Pinios drainages (Turkey, Greece, Bulgaria, Macedonia).	-	
Leuciscinae	*Acanthobrama mirabilis*	AY026410.1	Asia: Only known by the original description from Büyük Menderes and two more specimens from the Bafa Gölü in Southwestern Anatolia	-	
Leuciscinae	*Yuriria alta*	NC_031566.1	North America: Mexico.	-	
Leuciscinae	*Yuriria chapalae*	KC778804.1	North America: Mexico.	-	
Tincinae	*Tinca tinca*	NC_008648.1	Eurasia	A	(140)
Xenocyprinae	*Ancherythroculter nigrocauda*	MG756608.1	Asia: China.	A	(47)
Xenocyprinae	*Chanodichthys dabryi*	NC_021418.1	Asia: Yangtze to Amur basin.	A	(47)
Xenocyprinae	*Cultrichthys erythropterus*	AF051859.1	Asia: Amur to Red River drainages (China to Vietnam); Taiwan and Lake Buir in Mongolia.	A	(47)

Xenocyprinae	*Megalobrama amblycephala*	NC_010341.1	Asia: middle reaches of Yangtze River, mainland China. Found in Newshan Lake (a bay of Liangzi Lake with an area of 256 sq km) and Yuli Lake	A	(47)
Xenocyprinae	*Culter alburnus*	NC_013616.1	Asia: Lake Buir, Onon and Kherlen drainages in Mongolia; Amur to Red River drainages, Taiwan and Hainan.	A/E	(47)
Xenocyprinae	*Aphyocypris chinensis*	NC_008650.1	Asia: Japan, Korea, and China.	C	(47)
Xenocyprinae	*Elopichthys bambusa*	NC_024834.1	Asia: Eastern Asia from the Amur basin to the Red (Coi) River.	E	(47)
Xenocyprinae	*Hypophthalmichthys molitrix*	NC_010156.1	Asia: Native to most major Pacific dainages of East Asia from Amur to Xi Jiang, China. China and Eastern Siberia.	E	(47)
Xenocyprinae	*Hypophthalmichthys nobilis*	NC_010194.1	Asia: China.	E	(47)
Xenocyprinae	*Megalobrama pellegrini*	NC_026458.1	Asia: upper reaches of Changjiang River, China.	A	(47)
Xenocyprinae	*Plagiognathops microlepis*	NC_022711.1	Asia: Yangtze River, Amur basin, Ussuri River, Lake Khanka.	A	(47)
Xenocyprinae	*Pseudolaubuca sinensis*	NC_026712.1	Asia: Guangdong Province, China and Viet Nam	A	(47)
Xenocyprinae	*Ochetobius elongatus*	NC_025646.1	Asia: Yangtze to north Vietnam in the south (the Red River).	E	(47)
Xenocyprinae	*Parabramis pekinensis*	NC_022678.1	Asia: Basin of the Amur, from Blagoveshchensk to the very mouths. Sungari, Ussuri, Lake Khanka, Liao. China south to Shanghai and Ningpo.	E	(47)
Xenocyprinae	*Pseudobrama simoni*	NC_022852.1	Asia: China.	E	(47)
Xenocyprinae	*Pseudolaubuca engraulis*	NC_020462.1	Asia: China.	E	(47)
Xenocyprinae	*Squaliobarbus curriculus*	NC_019652.1	Asia: China and Vietnam. Reported from the western Korea and Amur River drainage in Russia.	E	(47)
Xenocyprinae	*Culter erythropterus*	NC_024749.1	Asia: Amur to Red River drainages (China to Vietnam); Taiwan and Lake Buir in Mongolia.	A	(281)
Xenocyprinae	*Hemiculter bleekeri*	NC_029831.1	Asia: China.	A	(63)
Xenocyprinae	*Pseudohemiculter dispar*	NC_020435.1	Asia: Mekong and Nam Ma basins in Laos; central and northern Viet Nam and southern China.	A	(63)
Xenocyprinae	*Sinibrama macrops*	NC_020013.1	Asia: China and Taiwan.	A	(63)

Xenocyprinae	*Toxabramis houdemeri*	NC_029348.1	Asia: China and Viet Nam	A	(63)
Xenocyprinae	*Ancherythroculter lini*	NC_027741.1	Asia: Zhujiang River, China.	E	(63)
Xenocyprinae	*Culter recurviceps*	NC_024277.1	Asia: Zhujiang River and Hainan Island in China.	E	(63)
Xenocyprinae	*Candidia barbatus*	GU573954.1	Asia: endemic to Taiwan.	C	(49)
Xenocyprinae	*Zacco sieboldii*	NC_008653.1	Asia: endemic to Japan.	C	(49)
Xenocyprinae	*Nipponocypris temminckii*	NC_027664.1	Asia: Japan, the Korean Peninsula, and China.	C	(49)
Xenocyprinae	*Chanodichthys mongolicus*	NC_008683.1	Asia: Lake Buir, Onon and Kherlen drainages in Mongolia; Amur and Yangtze drainages.	E	(49)
Xenocyprinae	*Ctenopharyngodon idella*	NC_010288.1	Asia: China to eastern Siberia (Amur River system).	E	(49)
Xenocyprinae	*Mylopharyngodon piceus*	NC_011141.1	Asia: Amur river basin to southern China. Reported from Vietnam	E	(49)
Xenocyprinae	*Metzia formosae*	NC_022458.1	Asia: Yunnan, China and Taiwan; also observed from Viet Nam	A	(282)
Xenocyprinae	*Metzia mesembrinum*	NC_023797.1	Asia: Taiwan.	A	(282)
Xenocyprinae	*Aphyocypris kikuchii*	NC_019620.1	Asia: endemic to Taiwan.	A	(283)
Xenocyprinae	*Megalobrama terminalis*	NC_018816.1	Asia: Amur basin to southern China.	A	(284)
Xenocyprinae	*Sinibrama taeniatus*	NC_026119.1	Asia: Loshan (Kiating), Szechwan, China (type locality).	E	(143)
Xenocyprinae	*Ischikauia steenackeri*	NC_008667.1	Asia: Japan.	A	(285)
Xenocyprinae	*Xenocypris davidi*	NC_013072.1	Asia: China.	A	(286)
Xenocyprinae	*Distoechodon tumirostris*	NC_011208.1	Asia: China and Taiwan.	A	(287)
Xenocyprinae	*Hemigrammocypris rasborella*	NC_015548.1	Northwest Pacific: Pacific coast of western central Honshu, Shikoku and North Kyushu, Japan.	C	(125)
Xenocyprinae	*Paralaubuca typus*	NC_015194.1	Asia: Malay Peninsula, Chao Phraya and Mekong basins and Maeklong basin	E	(288)
Xenocyprinae	*Opsariichthys bidens*	NC_008744.1	Asia: Laos, Viet Nam and East Asia.	C	(289)
Xenocyprinae	*Hemiculter tchangi*	NC_036740.1	Asia: upper reaches of Changjiang River in Sichuan, China.	A	(290)
Xenocyprinae	*Zacco platypus*	NC_023105.1	Asia: northern China to northern Vietnam.	C	(291)
Xenocyprinae	*Xenocypris argentea*	NC_008682.1	Asia: Amur southward to Xi Jiang, and Viet Nam	E	(292)
Xenocyprinae	*Hemiculterella sauvagei*	NC_026693.1	Asia: China.	A	(171)

Xenocyprinae	*Hemiculter leucisculus*	NC_022929.1	Asia: China, North and South Korea, Hong Kong, Japan and Amur River basin to Red River drainages; Mongolia	A/E	(57,63)
Xenocyprinae	*Ancherythroculter kurematsui*	NC_029707.1	Asia: Yangtze River, China.	-	
Xenocyprinae	*Ancherythroculter wangi*	NC_037405.1	Asia: upper reaches of Changjiang River, China.	-	
Xenocyprinae	*Candidia pingtungensis*	NC_028596.1	Asia: Tongkang River southwards to all western drainages of Hengchuen Peninsula and also to the eastern drainage of the Kongkou River and most of Pingtung Country, Taiwan.	-	
Xenocyprinae	*Chanodichthys ilishaeformis*	NC_029722.1	Asia: Amur to Red River drainages (China to Vietnam); Taiwan and Lake Buir in Mongolia.	-	
Xenocyprinae	*Culter flavipinnis*	KF029690.1	Asia: Annam, Viet Nam.	-	
Xenocyprinae	*Cultrichthys compressocorpus*	NC_024183.1	Asia: Xinkaihu Lake and Jingbohu Lake in China.	-	
Xenocyprinae	*Hemiculter eigenmanni*	NC_029388.1	Asia: China, North and South Korea, Hong Kong, Japan and Amur River basin to Red River drainages; Mongolia	-	
Xenocyprinae	*Hemiculterella macrolepis*	EF151094.1	Asia: Mekong basin in Xishuang-banna (Yunnan, China) and in Laos.	-	
Xenocyprinae	*Macrochirichthys macrochirus*	NC_015551.1	Asia: Thailand to Viet Nam and Indonesia. Known from the Mekong and Chao Phraya basins	-	
Xenocyprinae	*Metzia lineata*	NC_031541.1	Asia: Viet Nam, China and Taiwan.	-	
Xenocyprinae	*Metzia longinasus*	NC_024729.1	Asia: China. Known exclusively from the Hongshui-He River of the Pearl River drainage at Du’an County, Guangxi Province, South China	-	
Xenocyprinae	*Nipponocypris koreanus*	NC_025286.1	Asia: South Korea.	-	
Xenocyprinae	*Opsariichthys duchuunguyeni*	KJ940957.1	Asia: Bang Giang river and Ky Cung river of the Pearl river in Viet Nam.	-	
Xenocyprinae	*Opsariichthys evolans*	NC_033948.1	Asia: China and Taiwan.	-	
Xenocyprinae	*Opsariichthys hainanensis*	KR698648.1	Asia: Hainan Province, China.	-	
Xenocyprinae	*Opsariichthys minutus*	KR698562.1	Asia: southern China.	-	
Xenocyprinae	*Opsariichthys pachycephalus*	NC_033949.1	Asia: Taiwan.	-	

Xenocyprinae	*Opsariichthys uncirostris*	NC_008652.1	Asia: Eastern Siberia to northern Korea and China, also in Japan.	-
Xenocyprinae	*Oxygaster anomalura*	HQ009868.1	Asia: Thailand to Indonesia. Found in the Mekong River.	-
Xenocyprinae	*Parachela maculicauda*	HM224298.1	Asia: Mekong and Chao Phraya basins, Malay Peninsula and Sumatra. Reported from the Maeklong basin	-
Xenocyprinae	*Parachela oxygastroides*	HM224299.1	Asia: Indochina, Thailand to Borneo and Java.	-
Xenocyprinae	*Parachela siamensis*	HM224300.1	Asia: Mekong and Chao Phraya basins; and Indonesia.	-
Xenocyprinae	*Parachela williaminae*	HM224301.1	Asia: Mekong basin from northern Thailand downstream to the Great Lake, Cambodia and Chao Phraya basin	-
Xenocyprinae	*Paralaubuca barroni*	KF029697.1	Asia: Mekong basin and Chao Phraya	-
Xenocyprinae	*Paralaubuca riveroi*	KF029698.1	Asia: Malay Peninsula, Chao Phraya and Mekong basins and Maeklong basin.	-
Xenocyprinae	*Parazacco spilurus*	NC_023786.1	Asia: China and Vietnam	-
Xenocyprinae	*Toxabramis swinhonis*	NC_029249.1	Asia: Yangtze River, Yellow River and other river systems in China.	-
Xenocyprinae	*Xenocyprioides carinatus*	AF036201.1	Asia: Longzhou, Guangxi Province, China.	-
Xenocyprinae	*Xenocyprioides parvulus*	AF036207.1	Asia: Qinzhou, Guangxi Province, China.	-
Xenocyprinae	*Xenocypris fangi*	AF036205.1	Asia: upper reaches of the Changjiang River, China.	-
Xenocyprinae	*Xenocypris hupeinensis*	KJ994691.1	Asia: middle and upper reaches of Changjiang River, China.	-
Xenocyprinae	*Xenocypris yunnanensis*	NC_035954.1	Asia: Dianci lake, Yunnan, China.	-
Xenocyprinae	*Opsariichthys acutipinnis*	NC_028595.1	Asia: southern China.	-

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