

Order CYPRINIFORMES

Eurasian Minnows

Family LEUCISCIDAE

Subfamily PHOXININAE Bleeker 1863



Phoxinus karsticus, holotype, female, 58 mm SL. From: Bianco, P. G. and S. De Bonis. 2015. A taxonomic study on the genus *Phoxinus* (Actinopterygii [sic], Cyprinidae) from Italy and western Balkans with description of four new species: *P. ketmaieri*, *P. karsticus*, *P. apollonicus* and *P. likai*. *Researches on Wildlife Conservation* 4: 1–17. [*P. ketmaieri* and *P. likai* are now considered junior synonyms of *P. lumaireul* and *P. apollonicus* is now a junior synonym of *P. karsticus*.]

Phoxinus

Rafinesque 1820

presumably tautonymous *Cyprinus phoxinus* Linnaeus 1758 (proposed for European species but no species mentioned), from *phoxínos* (Gr. φοξίνος), a small freshwater fish, applied to minnows by Belon (1553), perhaps derived from *phoxós* (Gr. φοξός), pointed or tapered

***Phoxinus abanticus* Turan, Bayçelebi, Özuluğ, Gaygusuz & Aksu 2023** -icus (L.), belonging to: outlet of Lake Abant, Bolu Province, Turkey, type locality

***Phoxinus adagumicus* Artaev, Turbanov, Bolotovskiy, Gandlin & Levin 2024** -icus (L.), belonging to: Adagum River drainage, Krasnodar Krai, Russia, where it occurs

***Phoxinus bigerri* Kottelat 2007** named for Biggeri, Gaul tribe who inhabited area more or less corresponding with Adour drainage (France), type locality

***Phoxinus brachyurus* Berg 1912** short-tailed, from *brachýs* (Gr. βραχύς), short, and *urus*, from *ourá* (Gr. οὐρά), tail, presumably referring to its short, compressed caudal peduncle

***Phoxinus brachyurus tschuensis* Pivnev 1985** -ensis, Latin suffix denoting place: Chu River, Kyrgyzstan, type locality

***Phoxinus chrysoprasius* (Pallas 1814)** etymology not explained, presumably from *chrysós* (Gr. χρυσός), gold or golden, possibly referring to overall golden-bronze color and/or golden stripe on sides; *prasius* (L.), prase, a precious stone of a leek-green color, allusion not explained nor evident (Pallas did not mention green in his description)

***Phoxinus colchicus* Berg 1910** -icus (L.), belonging to: Colchis, ancient name for eastern coast of Black Sea in Georgia, type locality

***Phoxinus csikii* Hankó 1922** in honor of Hungarian entomologist Ernst Csiki (1875–1954), director of the Hungarian National (now Natural History) Museum (Budapest), who collected holotype (now lost, probably due to a 1956 museum fire)

***Phoxinus dragarum* Denys, Dettaï, Persat, Daszkiewicz, Hauteceour & Keith 2020** -arum (L.), commemorative suffix, plural: *dragas*, fairies in

Occitan folklore, and companions of the Drac, a kind of dragon living in streams of the Garonne River basin of France, where this minnow occurs

***Phoxinus fayollarum* Denys, Dettaï, Persat, Daszkiewicz, Hauteceour & Keith 2020** -arum (L.), commemorative suffix, plural: *fayolles*, fairies in regional Auvergne (France) folklore, who live along the headwaters of the Loire drainage (where this minnow is common) and create springs, including the thermal springs of Vichy, France

***Phoxinus grumi* Berg 1907** in honor of entomologist and explorer of Central-Asia Grigory Grumm-Grzhimaylo (1860–1936), who led expedition during which holotype was collected (Berg spelled name with one “m”)

***Phoxinus isetensis* (Georgi 1775)** -ensis, Latin suffix denoting place: not identified but probably Iset River, which flows through or near Cartharionopolis (=Yekaterinburg) Siberia, Russia, type locality

***Phoxinus issykkulensis* Berg 1912** -ensis, Latin suffix denoting place: Lake Issyk-Kul, Kyrgyzstan, type locality

***Phoxinus issykkulensis relictus* Turdakov & Piskarev 1954** Latin for relict, a relict form of *P. issykkulensis* from the Upper Chu River, Kyrgyzstan [possibly extinct]

***Phoxinus karsticus* Bianco & De Bonis 2015** -icus (L.), belonging to: karst, referring to the Karstic Popovo Polje-Trebinje endorheic river system of Bosnia-Herzegovina, type locality

***Phoxinus krkae* Bogutskaya, Jelić, Vucić, Jelić, Diripasko, Stefanov & Klobučar 2019** of the Krka River (Adriatic Basin), Croatia, type locality

***Phoxinus lumaireul* (Schinz 1840)** etymology unknown; an unpublished name attributed to Italian naturalist Francis Albert Bonelli (or Bonelli, 1784–1830), mentioned in 1835 by Agassiz without description and made available by Schinz

***Phoxinus marsilii* Heckel 1836** in honor of Luigi Ferdinando Marsili (1658–1730, also spelled Marsigli), Italian soldier and naturalist, who published an illustration of this species (“Cobitis. Pfriln.”) in his *Danubius Pannonico-Mysicus* (vol. 4) of 1726

***Phoxinus oxyrhynchus* (Mori 1930)** sharp-snouted, from *oxýs* (Gr. ὀξύς), sharp or pointed, and *rhýnchos* (Gr. ῥύγχος), snout, referring to its long, much-produced snout, with a “pointed fleshy cone” that projects beyond lower lip

***Phoxinus phoxinus* (Linnaeus 1758)** from *phoxínos* (Gr. φοξίνος), a small freshwater fish, applied to minnows by Belon (1553), perhaps derived from *phoxós* (Gr. φοξός), pointed or tapered

***Phoxinus poljakowii* Kessler 1879** in honor of Siberian explorer and conservator Ivan Semonovich Poljakow (1845–1887), who collected holotype

***Phoxinus radeki* Bayçelebi, Aksu & Turan 2024** in honor of Radek Sanda, National Museum, Prague, Czech Republic, for his contribution to the knowledge of the fishes of Europe

***Phoxinus septimaniae* Kottelat 2007** of Septimania, a region of the Roman province Galia Narbonensis more or less corresponding with present-day Languedoc-Roussillon (France), where this species occurs

***Phoxinus strandjae* Drensky 1926** of the Strandja (also spelled Strandscha) mountain massif in southeastern Bulgaria, type locality

***Phoxinus strymonicus* Kottelat 2007** *-icus* (L.), belonging to: Strymon, river in Macedonia, Greece, type locality

***Phoxinus tchangi* Chen 1988** in honor of Tchunlin (or Tchong-Lin) Tchang (1897–1963), for his achievements in ichthyology

***Phoxinus tumensis* Luo 1996** *-ensis*, Latin suffix denoting place: Tumen River, border between Jilin Province in Manchuria and North Hamgyong and Yanggang provinces in North Korea, type locality

***Phoxinus ujmonensis* Kaschenko 1899** *-ensis*, Latin suffix denoting place: Uimon village, Siberia, Russia, near type locality at Katun River, Ob River basin