

CLOFFUY - update 5 - supplement to Checklist of the Freshwater Fishes of Uruguay.

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Remarks on this update

Since the publication of the fourth update to CLOFFUY in December of 2021 very few changes have appeared which would modify the list of freshwater fishes of Uruguay. This low pace of published contributions has most probably occurred due to the lockdown measures established during the pandemic, keeping ichthyologists away from their desks and laboratories. Slowly the scientific output is now increasing its pace again.

The current update contains 21 changes, yet rising the total count of freshwater fishes from Uruguay only by 2 from 311 to 313. The new characid species *Diapoma pampeana* has been described based on paratype specimens collected partly in Uruguay and for the rivulid *Austrolebias univentripinnis*, so far only known from Brazil, a first Uruguayan record could be documented. The changed generic combination of *Crenicichla lepidota* with the new genus *Saxatilia* does not have an influence on the count, neither do the remaining 18 changes, all caused by new combinations of rivulids formerly placed in *Austrolebias*.

The placement of families in orders has been updated in two cases following Fricke et al. (2023): the Achiridae have been moved from Pleuronectiformes to Carangiformes and the Sciaenidae from "Perciformes" *incertae sedis* to Acanthuriformes.

	CLOFF UY	update # 1	update # 2	update # 3	update # 4	update # 5	total
Myliobatiformes	2						2
Acipenseriformes	2	1					3
Clupeiformes	4						4
Cypriniformes	1						1
Characiformes	90	2	-1	1	4	1	97
Gymnotiformes	9	2		2			13
Siluriformes	103	15	-1	0	4		121
Gobiiformes	2						2
Synbranchiformes	1						1
Carangiformes	3						3
Cichliformes	23	1	3	1			28
Atheriniformes	6	1					7
Cyprinodontiformes	28	-1		0		1	28
Acanthuriformes	2						2
Mugiliformes	1						1
total	277	21	1	4	8	2	313

The aim of this list of species of freshwater fishes from Uruguay is to provide an updated supplement to the 'Checklist of Freshwater Fishes of Uruguay (CLOFFUY)' published by Litz & Koerber (2014). Only those species are listed here that have not been included in that paper and the subsequent updates or which have undergone systematical changes since then. Changes in this sense may be new species, synonymies, re-validations, new generic combinations etc., every factor which might modify the data published at present.

This list is not a publication in the sense of the 'Code' (ICZN) and expressions as 'new species', 'new combination' etc. are only used to highlight changes in comparison with the original CLOFFUY.

'NEW' after species names indicates that this record has not been included in previously published updates. 'Info' provides hyperlinks to the individual species accounts in www.pecescriellos.de, usually with figures and some data from the respective publication.

class **ACTINOPTERI**

order **ACIPENSERIFORMES**

family **Acipenseridae**

Acipenser Linnaeus, 1758

A. gueldenstaedtii Brandt & Ratzeburg, 1833

first record from Uruguay

[info](#)

published in Serra et al. (2014)

remarks introduced exotic species !

origin Europe and Middle East: Black Sea, Sea of Azov, and Caspian Sea watersheds

order **CHARACIFORMES**

family **Crenuchidae**

Characidium Reinhardt, 1867

C. zebra Eigenmann, 1909

first record from Uruguay

[info](#)

published in Serra et al. (2014)

sub *Characidium* aff. *zebra*

remarks This is the species which in the past erroneously was addressed as *C. fasciatum*.

Crenuchidae considered not to be distributed in Uruguay

Characidium fasciatum Reinhardt, 1867 | in LK sub *Characidium fasciatum* | Serra et al. (2014)

[info](#)

family **Erythrinidae**

Hoplias Gill, 1903

H. argentinensis Rosso et al., 2018

first record from Uruguay

[info](#)

published in Paullier et al. (2019)

family **Anostomidae**

M. obtusidens (Valenciennes, 1837)

new combination from *Leporinus*

[info](#)

published in Ramirez et al. (2017)

family

Characidae

subfamily

Stethaprioninae

tribus

Stethaprionini

Hyphessobrycon Durbin, 1908

H. igneus Miquelarena, Menni, López & Casciotta, 1980
 first record from Uruguay [info](#)
 published in Serra et al. (2014) sub *Hyphessobrycon* aff. *igneus*

H. togoi Miquelarena & López, 2006
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

tribus

Probolodini

Deuterodon Eigenmann, 1907

D. luetkenii (Boulenger, 1887)
 new combination from *Hyphessobrycon* [info](#)
 published in Terán et al. (2020)

D. taeniatus (Jenyns, 1842)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

tribus

Gymnocharacini

Andromakhe Terán, Benitez & Mirande, 2020

A. saguazu (Casciotta, Almirón & Azpelicueta, 2003)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

A. stenohalina (Messner, 1962)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

Astyanax Baird & Girard, 1854

A. lacustris (Lütken, 1875)
A. asuncionensis and *jacuhiensis* are a jr. synonyms
 published in Lucena & Soares (2016)
 original *Tetragonopterus lacustris*
 synonyms *Astyanax altiparanae* Garutti & Britski, 2000 [info](#)
A. bimaculatus asuncionensis Géry, 1972 [info](#)
A. bimaculatus paraguayensis Eigenm., 1921 [info](#)
Tetragonopterus jacuhiensis Cope, 1894 [info](#)

Oligosarcus Guenther, 1864

O. robustus Menezes, 1969
 first record from Uruguay [info](#)
 published in Serra et al. (2021)

Psalidodon Eigenmann, 1911

P. anisitsi (Eigenmann, 1907)
 new combination from *Hyphessobrycon* [info](#)
 published in Terán et al. (2020)

- P. dissensus*** (Lucena & Thofehrn, 2013)
 first record from Uruguay sub *Astyanax dissensus* [info](#)
 published in Serra et al. (2014)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)
- P. eigenmanniorum*** (Cope, 1894)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)
- P. erythropterus*** (Holmberg, 1891)
 first record from Uruguay [info](#)
 published in Serra et al. (2021)
- P. rutilus*** (Jenyns, 1842)
 new combination from *Astyanax* [info](#)
 published in Terán et al. (2020)

Stethaprioninae - species considered not to be distributed in Uruguay

Hydrocyon hepsetus Cuvier, 1829 | in LK sub *Oligosarcus hepsetus* | Koerber & Serra (2020) [info](#)
Tetragonopterus multifasciatus Eigenmann & Norris, 1900 | in LK sub *Hollandichthys m.* | Serra et al. (2014) [info](#)

subfamily Aphyocharacinae

Aphyocharax Guenther, 1868

- A. rathbuni*** Eigenmann, 1907
 first record from Uruguay [info](#)
 published in Serra et al. (2021)

subfamily Cheirodontinae

Serrapinnus Malabarba, 1998

- S. kriegi*** (Schindler, 1937)
 first record from Uruguay [info](#)
 published in Serra et al. (2018)

subfamily Stevardiinae

tribus Eretmobryconini

Markiana Eigenmann, 1903

- M. nigripinnis*** (Perugia, 1891)
Tetragonopterus anomalus is a jr. synonym [info](#)
 published in Carvalho & Santos (2015)
 synonym *Tetragonopterus anomalus* Steindachner, 1891

tribus Stevardiini

Pseudocorynopoma Perugia, 1891

- P. stanleyi*** Malabarba, Chuctaya, Hirschmann, Oliveira & Thomaz, 2020
 first record from Uruguay [info](#)
 published in Serra et al. (2021)

tribus Diapomini

Diapoma Cope, 1894

- D. alburnum*** (Hensel, 1870)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015) [info](#)
- D. alegretense*** (Malabarba & Weitzman, 2003)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)
 remarks not *alegretensis* as *Diapoma* is neuter
- D. pampeana*** Ito, Carvalho, Pavanelli, Vanegas-Ríos & Malabarba, 2022
 new species from Uruguay [info](#) NEW
 published in Ito et al. (2022)
- D. uruguayense*** (Messner, 1962)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)
 remarks not *uruguayensis* as *Diapoma* is neuter

order **GYMNOTIFORMES**family **Apteronotidae*****Apteronotus*** Lacepède, 1800

- A. ellisi*** (Alonso de Arámburu, 1957)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)
 original *Porotergus ellisi*

family **Gymnotidae*****Gymnotus*** Linnaeus, 1758

- G. cuia*** Craig, Malabarba, Crampton & Albert, 2018
 new species from Argentina, Paraguay and Uruguay [info](#)
 published in Craig et al. (2018)
- G. inaequilabiatus*** (Valenciennes, 1839)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013) sub *G. inaequilabiatus*
- G. paraguensis*** Albert & Crampton, 2003
 first record from Uruguay [info](#)
 published in Craig et al. (2018)

order **SILURIFORMES**family **Trichomycteridae**

subfamily Trichomycterinae

Scleronema Eigenmann, 1917

- S. ibirapuíta*** Ferrer & Malabarba, 2020
 first record from Uruguay [info](#)
 published in Ferrer & Malabarba (2020)

S. macanuda Ferrer & Malabarba, 2020
 new species from Uruguay [info](#)
 published in Ferrer & Malabarba (2020)

S. minutum (Boulenger 1891)
Pygidium angustirostris Devincenzi, 1942 is a jr. synonym [info](#)
 published in Ferrer & Malabarba (2020)

S. teiniagua Ferrer & Malabarba, 2020
 new species from Uruguay [info](#)
 published in Ferrer & Malabarba (2020)

subfamily Stegophilinae

Pseudostegophilus Eigenmann & Eigenmann, 1889

P. maculatus (Steindachner, 1879)
 new combination from *Parastegophilus* [info](#)
 published in DoNascimento (2015)

Trichomycteridae - species considered not to be distributed in Uruguay

Scleronema operculatum Eigenmann, 1917 | in LK | Ferrer & Malabarba (2020) [info](#)

family **Callichthyidae**

subfamily Corydoradinae

Corydoras Lacepède, 1803

C. longipinnis Knaack, 2007
 first record from Uruguay [info](#)
 published in Paullier et al. (2019)
 remarks Tencatt et al. (2016) listed preserved material of *C. cf. longipinnis*, probably referring to the same species.

C. paleatus (Jenyns, 1842)
 remark correction of spelling: in CLOFFUY as *palaetus*

family **Loricariidae**

subfamily Loricariinae

tribus Loricariini

Loricaria Linnaeus, 1758

L. simillima Regan, 1904
 first record from Uruguay [info](#)
 published in Serra et al. (2014) sub *Loricaria* aff. *simillima*

Loricariichthys Bleeker, 1862

L. platymetopon Isbrücker & Nijssen, 1979
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

Rineloricaria Bleeker 1862

R. microlepidogaster (Regan, 1904)
 first record from Uruguay [info](#)
 published in Serra et al. (2014)
 sub *Rineloricaria* aff. *microlepidogaster*

Loricariinae considered not to be distributed in Uruguay

Loricaria nudiventris Valenciennes, 1840 | in Litz & Koerber (2014) sub *Spatuloricaria n.* | Fichberg et al. (2014)

subfamily Hypostominae

tribus Hypostomini

Hemiancistrus Bleeker, 1862

H. punctulatus Cardozo & Malabarba, 1999
first record from Uruguay [info](#)
published in Serra et al. (2020)

H. votouro Cardoso & da Silva, 2004
first record from Uruguay [info](#)
published in Serra et al. (2014)

Hypostomus Lacepède, 1803

H. isbrueckeri Reis, Weber & Malabarba, 1990
first record from Uruguay [info](#)
published in Serra et al. (2014)

H. roseopunctatus Reis, Weber & Malabarba, 1990
first record from Uruguay [info](#)
published in Serra et al. (2014)

tribus Ancistrini

Ancistrus Kner, 1854

A. taunayi Miranda Ribeiro, 1918
first record from Uruguay [info](#)
published in Serra et al. (2014)

subfamily Hypoptopomatinae

tribus *Otocinclus* clade

Otocinclus Cope, 1871

Otocinclus

O. vestitus Cope, 1872
first record from Uruguay [info](#)
published in Loureiro et al. (2013)

tribus Hisonotini

Hisonotus Eigenmann & Eigenmann, 1889

H. armatus Carvalho, Lehmann, Pereira & Reis, 2008
first record from Uruguay [info](#)
published in Loureiro et al. (2013)

family **Aspredinidae**

subfamily Aspredininae

tribus Bunocephalini

Xyliphius Eigenmann, 1912

X. barbatus Alonso de Arámburu & Arámburu, 1962
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

family **Auchenipteridae**

subfamily Auchenipterinae

tribus Trachelyopterini

Trachelyopterus Valenciennes, 1840

T. galeatus (Linnaeus, 1766)
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

T. lucenai Bertoletti, Pezzi da Silva & Pereira, 1995
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

family **Heptapteridae**

subfamily Heptapterinae

tribus Heptapterini

Heptapterus Bleeker 1858

H. sympterygium Buckup, 1988
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)
 sub *Heptapterus sympterygium*

Imparfinis Eigenmann & Norris, 1900

I. mishky Almirón, Casciotta, Bechara, Ruíz Díaz, Bruno, D'Ambrosio, Solimano & Soneira, 2007
 first record from Uruguay [info](#)
 published in Serra et al. (2014)

family **Pimelodidae**

Parapimelodus La Monte, 1933

P. nigribarbís (Boulenger, 1889)
Pimelodus nigribarbís Boulenger, 1889
 first record from Uruguay [info](#)
 published in Loureiro et al. (2013)

Pimelodus Lacepède, 1803

P. argenteus Perugia, 1891
Pimelodus argenteus Perugia, 1891
Pimelodus brevis Marini, Nichols & La Monte, 1933
P. brevis is a jr. synonym [info](#)
 published in Rocha & Pavanelli (2014)

order **CICHLIFORMES**

family **Cichlidae**

subfamily Cichlinae

tribus Geophagini

Gymnogeophagus Miranda Ribeiro, 1918

G. mekinos Malabarba, Malabarba & Reis, 2015
new species from Uruguay [info](#)
published in Malabarba et al. (2015)

G. peliochelynion Turcati, Serra-Alanis & Malabarba, 2018
new species from Uruguay [info](#)
published in Turcati et al. (2018)

G. pseudolabiatus Malabarba, Malabarba & Reis, 2015
new species from Uruguay [info](#)
published in Malabarba et al. (2015)

G. terrapurpura Loureiro, Zarucki, Malabarba & González-Bergonzoni, 2016
new species from Uruguay [info](#)
published in Loureiro et al. (2016)

Saxatilia Varella, Kullander, Menezes, Oliveira & López-Fernández, 2023 [gen.nov.]

S. lepidota (Heckel, 1840)
comb.nov. from *Crenicichla* [info](#) NEW
published in Varella et al. (2023)

tribus Cichlasomatini

Cichlasoma Swainson, 1839

C. portalegrense (Hensel, 1870)
first record from Uruguay [info](#)
published in Loureiro et al. (2013) sub *C. portalegrensis*

order **ATHERINIFORMES**

family **Atherinopsidae**

subfamily Atherinopsinae

tribus Sorgentinini

Odontesthes Evermann & Kendall, 1906

O. argentinensis (Valenciennes, 1835)
first record from Uruguay [info](#)
published in Loureiro et al. (2013)

order **CYPRINODONTIFORMES**

family **Rivulidae**

subfamily Cynolebiinae

tribus

Cynolebiini

Acantholebias Costa, 2008 [stat.nov., from subgen. to gen.]

A. luteoflammulatus (Vaz-Ferreira, Sierra de Soriano & Scaglia de Paulete, 1965)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

A. quirogai (Loureiro, Duarte & Zarucki, 2011)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

Argolebias Costa, 2008 [stat.nov., from subgen. to gen.]

A. nigripinnis (Regan, 1912)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

Austrolebias Costa, 1998

A. bellottii (Steindachner, 1881)
Austrolebias apaii is a jr. synonym [info](#)
 published in Calviño et al. (2016)

A. queguay Serra & Loureiro, 2018
 new species from Uruguay [info](#)
 published in Serra & Loureiro (2018)

A. univentripinnis Costa & Cheffe, 2005
 first record from Uruguay [info](#) NEW
 published in Serra et al. (2022)

Cypholebias Costa, 2008 [stat.nov., from subgen. to gen.]

C. cinereus (Amato, 1986)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)
Austrolebias vazferreirai (and *A. nioni*) are jr. synonyms [info](#)
 published in García et al. (2019)

Garcialebias Alonso, Terán, Serra, Calviño & Montes, 2023 [gen.nov.]

G. arachan (Loureiro, Azpelicueta & García, 2004)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

G. charrua (Costa & Cheffe, 2001)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

G. reicherti (Loureiro & García, 2004)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

G. viarius (Vaz-Ferreira, Sierra de Soriano & Scaglia de Paulete, 1965)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

Gymnolebias Costa, 2008 [stat.nov., from subgen. to gen.]

G. gymnoventris (Amato, 1986)
 comb.nov. from *Austrolebias* [info](#) NEW
 published in Alonso et al. (2023)

Matilebias Alonso, Terán, Serra, Calviño & Montes, 2023 [gen.nov.]

- M. affinis*** (Amato, 1986)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)
- M. alexandri*** (Castello & López, 1974)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)
- M. duraznensis*** (García, Scvortzoff & Hernández, 1995)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)
- M. juanlangi*** (Costa, Cheffe, Salvia & Litz, 2006)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)
- M. periodicus*** (Costa, 1999)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)

Megalebias Costa, 1998 [stat.nov., from subgen. to gen.]

- M. wolterstorffi*** (Ahl, 1924)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)

Titanolebias Alonso, Terán, Serra, Calviño & Montes, 2023 [gen.nov.]

- T. cheradophilus*** (Vaz-Ferreira, Sierra de Soriano & Scaglia de Paulete, 1965)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)
- T. elongatus*** (Steindachner, 1881)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)
- T. prognathus*** (Amato, 1986)
comb.nov. from *Austrolebias* [info](#) NEW
published in Alonso et al. (2023)

family

Anablepsidae

subfamily

Anablepsinae

Jenynsia Guenther, 1866

- J. lineata*** (Jenyns, 1842)
Jenynsia multidentata is a junior synonym [info](#)
published in Amorim (2018)

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