

CLOFFAR - update 3 - supplement to Checklist of the Freshwater Fishes of Argentina.

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Remarks on this update

In May 2016 we have published the second update to CLOFFAR and in these few months a total of 22 changes have summed up. The total number of fishes known from the freshwaters of Argentina has increased to 538, caused by one new *Hoplias* and 13 first records. Four new combinations and four synonymizations do not have influence on the total count. The paper of most importance in quantity without doubt is the one of Casciotta et al. on their findings in the Iguazú National Park, unfortunately also including two first records of exotic introduced species, *Clarias gariepinus* and *Geophagus brasiliensis*.

Clarias gariepinus was included in this update against our standard to only recognize records which have been published based on voucher material. In this case the determination could undoubtedly be done based on a photo and this invasive species has been reported before from the lower Iguazú river in Brazil in 2012 already. The confirmation of *Crenicichla iguassuensis* has undergone some see-saw development in the past and the respective remarks can be found when following the link. Also another publication needs to be commented on: The synonymizations of four rivulids by Calviño has been published as an isolated statement beyond any systematical context. Nevertheless, it has been formally published and in some of these cases the probability of being synonyms had been stated previously by other authors. Future will show the resilience and acceptance of those synonymizations. The paper of Ortí et al. dates from 2008 and was simply not known to us before and thus, the new combination of *Myloplus tiete* from *Myleus* is only included now, eight years later.

	CLOFF AR	update # 1	update # 2	update # 3	total
Rajiformes	6				6
Acipenseriformes	1				1
Clupeiformes	6				6
Cypriniformes	5				5
Characiformes	183		4	4	191
Siluriformes	200	1	4	9	214
Gymnotiformes	15				15
Osmeriformes	4				4
Salmoniformes	6				6
Atheriniformes	4	1			5
Cyprinodontiformes	30			-3	27
Beloniformes	2				2
Synbranchiformes	1				1
Perciformes	49	2	-1	2	52
Pleuronectiformes	2				2
Lepidosireniformes	1				1
total	515	4	7	12	538

The aim of this list of species of freshwater fishes from Argentina is to provide an updated supplement to the 'Checklist of the Freshwater Fishes of Argentina (CLOFFAR)' published by Mirande & Koerber (2015). Only those species are listed here that have not been included in that paper and earlier updates or which have undergone systematical changes since then. Changes in this sense may be new species, synonymies, revalidations, new combinations, first records etc., every factor which might modify the data published at present. Information already provided in CLOFFAR is not repeated herein.

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 CLOFFAR.

'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.pecescriollos.de, usually with figures and some data from the respective publication.

class ACTINOPTERYGII

order CHARACIFORMES

family Parodontidae

Apareiodon

A. vittatus Garavello, 1977
first record for Argentina from the Río Iguazú
published in Casciotta et al. (2016) [info](#) NEW

family Anostomidae

Megaleporinus

M. macrocephalus (Garavello & Britski, 1988)
new combination from *Leporinus*
published in Ramirez et al. (2017) [info](#) NEW

M. obtusidens (Valenciennes, 1837)
new combination from *Leporinus*
published in Ramirez et al. (2017) [info](#) NEW

family Erythrinidae

Hoplias

H. mbigua Azpelicueta, Benítez, Aichino & Mendez, 2015
new species from the Paraná basin in Misiones
published in Azpelicueta et al. (2015) [info](#)

H. misionera Rosso et al., 2016
new species from the Uruguay and Paraná basins
published in Rosso et al. (2016) [info](#) NEW
type locality Misiones, río Acaraguá, Villa Bonita

family Serrasalmididae

Myloplus

M. tiete (Eigenmann & Norris 1900)
new combination from *Myleus*
published in Ortí et al. (2008) [info](#) NEW

family

Characidae

subfamily

Stevardiinae

[Thomaz et al. 2015]

tribus

Diapomini

Bryconamericus

B. indefessus (Mirande, Aguilera & Azpelicueta, 2006)
 new combination from *Nantis*
 published in Thomaz et al. (2015)

[info](#)***Diapoma***

D. alburnus (Hensel, 1870)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)

[info](#)

D. guarani (Mahnert & Géry, 1987)
 new combination from *Hyphessobrycon*
 published in Thomaz et al. (2015)

[info](#)

D. lepiciastus (Malabarba, Weitzman & Casciotta, 2003)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)

D. obi (Casciotta, Almirón, Piálek & Rican, 2012)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)

D. pyrrhopteryx Menezes & Weitzman, 2011
 first record for Argentina from the Upper Uruguay basin
 published in Almirón et al. (2016)

[info](#)

D. uruguayense (Messner, 1962)
 new combination from *Cyanocharax*
 published in Thomaz et al. (2015)
 remarks not *uruguayensis* as *Diapoma* is neuter

Piabarchus

P. stramineus (Eigenmann, 1908)
 new combination from *Bryconamericus*
 published in Thomaz et al. (2015)

[info](#)***Piabina***

P. thomasi (Fowler, 1940)
 new combination from *Bryconamericus*
 published in Thomaz et al. (2015)

[info](#)

tribus

Eretmobryconini

Markiana

M. nigripinnis (Perugia, 1891)
Tetragonopterus anomalus is a jr. synonym
 published in Carvalho & Santos (2015)
 synonym *Tetragonopterus anomalus* Steindachner, 1891
 type locality *anomalus*: Corrientes, Río Paraná

[info](#)

subfamily *Astyanax* clade

Astyanax

- A. bifasciatus*** Garavello & Sampaio, 2010
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)
- A. dissensus*** Lucena & Thofehrn, 2013
 first record for Argentina from río Uruguay in Corrientes [info](#)
 published in Terán et al. (2016)
- A. dissimilis*** Garavello & Sampaio, 2010
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)
- A. lacustris*** (Lütken, 1875)
Astyanax asuncionensis is a jr. synonym [info](#)
 published in Lucena & Soares (2016)
 original *Tetragonopterus lacustris*
 synonyms *Astyanax altiparanae* Garutti & Britski, 2000
A. bimaculatus asuncionensis Géry, 1972
A. bimaculatus paraguayensis Eigenmann, 1921
Tetragonopterus jacuhiensis Cope, 1894
- A. xiru*** Lucena, Castro & Bertaco, 2013
 first record for Argentina from río Uruguay basin in Misiones [info](#)
 published in Casciotta et al. (2016)

order **SILURIFORMES**

family **Clariidae**

Clarias

- C. gariepinus*** (Burchell, 1822)
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)
 original *Silurus gariepinus*
 remarks introduced exotic species
 origin Africa

family **Pimelodidae**

Steindachneridion

- S. melanodermatum*** Garavello, 2005
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)

family **Pseudopimelodidae**

Microglanis

- M. carlae*** Vera Alcaraz, da Graça & Shibatta, 2008
 first record for Argentina from the Pre-Delta National Park, [info](#)
 lower Paraná basin
 published in Almirón et al. (2015)

family **Heptapteridae*****Pimelodella***

- P. mucosa*** Eigenmann & Ward, 1907
 first record for Argentina from swamps in Formosa [info](#)
 published in Aguilera & Azpelicueta (2015)

Rhamdella

- R. longiuscula*** Lucena & da Silva, 1991
 first record for Argentina from the Uruguay basin in Misiones [info](#)
 published in Benitez et al. (2016)

Rhamdia

- R. branneri*** Haseman, 1911
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)

- R. voulezi*** Haseman, 1911
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)

Heptapteridae considered not to be distributed in Argentina

Pimelodella howesi Fowler, 1940 | in CLOFFAR sub *P. howesi* | Aguilera & Azpelicueta (2015) [info](#)

family **Aspredinidae*****Amaralia***

- A. oviraptor*** Friel & Carvalho, 2016
 new species from the Paraguay and Paraná basins [info](#)
 published in Friel & Carvalho (2016)

family **Trichomycteridae**

subfamily Stegophilinae

Pseudostegophilus

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

subfamily Trichomycterinae

Trichomycterus

- T. mboyicy*** Wosiacki & Garavello, 2004
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)

- T. stawiarski*** (Miranda Ribeiro, 1968)
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)
 original *Pygidium stawiarski*

family **Callichthyidae**

subfamily Corydoradinae

Corydoras

- C. ehrhardti** Steindachner, 1910
 first record for Argentina from the Río Iguazú in Misiones [info](#)
 published in Cardoso et al. (2015)
 synonym *Corydoras meridionalis* Ihering, 1911
- C. paleatus** (Jenyns, 1842)
 remarks correction of spelling: in CLOFFAR as *palaetus*

family **Loricariidae**

subfamily Hypoptopomatinae

tribus Otothyridini

Hisonotus

- H. yasi** (Almirón, Azpelicueta y Casciotta, 2004)
 new combination from *Epactionotus* [info](#) NEW
 published in Casciotta et al. (2016)

subfamily Hypostominae

tribus Ancistrini

Ancistrus

- A. mullerae** Bifi, Pavanelli y Zawadzki, 2009
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)

tribus Hypostomini

Hypostomus

- H. formosae** Cardoso, Brancolini, Paracampo, Lizarralde, Covain & Montoya-Burgos, 2016
 new species from the Río Paraguay basin in Formosa [info](#)
 published in Cardoso et al. (2016)

subfamily Loricariinae

tribus Loricariini

Rineloricaria

- R. steinbachi** (Regan, 1906)
 new combination from *Ixinandria* [info](#)
 published in Covain et al. (2016)

order **ATHERINIFORMES**

family **Atherinopsidae**

subfamily Atherinopsinae

tribus Sargentini

Odontesthes

O. humensis de Buen, 1953
 first record for Argentina from the Río de la Plata [info](#)
 published in Bogan et al. (2015)
 synonym *Odontesthes guazu* de Buen, 1953

order **CYPRINODONTIFORMES**

family **Rivulidae**

subfamily Cynolebiasinae

tribus Cynolebiasini

Austrolebias

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

A. robustus (Günther, 1883)
Austrolebias nonoiuliensis is a jr. synonym [info](#) NEW
 published in Calviño et al. (2016)

subfamily Rivulinae

tribus Neofundulini

Neofundulus

N. paraguayensis (Eigenmann & Kennedy, 1903)
Neofundulus ornatipinnis is a jr. synonym [info](#) NEW
 published in Calviño et al. (2016)

tribus Plesiolebiasini

Papiliolebias

P. bitteri (Costa, 1989)
Papiliolebias hatinne is a jr. synonym [info](#) NEW
 published in Calviño et al. (2016)

family **Poeciliidae**

subfamily Poeciliinae

tribus Cnesterodontini

Phalloceros

P. harpagos Lucinda, 2008
 first record for Argentina from the Río Iguazú [info](#) NEW
 published in Casciotta et al. (2016)

order **PERCIFORMES**
 suborder LABROIDEI
 family **Cichlidae**
 subfamily Cichlinae
 tribus Geophagini

Crenicichla

- C. iguassuensis** Haseman, 1911
 confirmed for Argentina from the Río Iguazú
 published in Casciotta et al. (2016) [info](#) NEW
- C. tapii** Piálek, Dragová, Casciotta, Almirón & Říčan, 2015
 new species from the Río Iguazú in Misiones
 published in Piálek et al. (2015) [info](#)
- C. tuca** Piálek, Dragová, Casciotta, Almirón & Říčan, 2015
 new species from the Río Iguazú in Misiones
 published in Piálek et al. (2015) [info](#)

Geophagus

- G. brasiliensis** (Quoy y Gaimard, 1824)
 first record for Argentina from the Río Iguazú
 published in Casciotta et al. (2016) [info](#) NEW
 original *Chromis brasiliensis*
 remarks introduced exotic species
 origin coastal basins in East and Southeast Brazil

Cichlidae considered not to be distributed in Argentina

Geophagus gymnogenys Hensel, 1870 | in CLOFFAR sub *Gymnogeophagus g.* | Malabarba et al. (2015) [info](#)

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recommended form for reference:

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