
Supplementary material

An integrative taxonomic approach reveals the first marine triclad (Platyhelminthes) trapped in a cave from a semiarid Neotropical environment

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Table S1. List of samples used in this study and GenBank accession numbers

Classification for Maricola follows Sluys, 1989

Species	18S rRNA	28S rRNA
Suborder MARICOLA		
Cercyroidea		
Family Cercyridae		
<i>Cercyra hastata</i> Schmidt, 1861	DQ665995	DQ665962
<i>Sabussowia dioica</i> (Claparède, 1863)	JN009785	JN009788
Bdellouroidea		
Family Uteriporidae		
Subfamily Uteriporinae		
<i>Uteriporus</i> sp.	AF013148	
Subfamily Ectoplaninae		
<i>Ectoplana limuli</i> (Ijima & Kaburaki, 1916)	D85088.1	
<i>Sluysia triapertura</i> Leal-Zanchet & Souza, sp. nov.		
MZUSP PL.2100	MF383119 ^A	MF383122 ^A
MZUSP PL.2101	MF383120 ^A	MF383121 ^A
Family Bdellouridae		
Subfamily Bdellourinae		
<i>Bdelloura candida</i> (Girard, 1850)	Z99947	AY157154
<i>Pentacoelum kazukolinda</i> (Kawakatsu & Mitchell, 1984)	JN009784	JN009787
Subfamily Palombiellinae		
<i>Palombiella stephensoni</i> (Palombi, 1938)	DQ666008	DQ665988
Procerodoidea		
Family Procerodidae		
<i>Procerodes dohrni</i> Wilhelmi, 1909	JN009783	JN009786
<i>Procerodes littoralis</i> (Ström, 1768)	Z99950	DQ665985
<i>Procerodes plebeius</i> (Schmidt, 1861)	DQ665997	DQ665987
Suborder CAVERNICOLA		
Family Dimarcusidae		
<i>Novomitchellia bursaelongata</i> Harrath, Sluys & Riutort, 2016	KU096054	
<i>Cavernicola</i> ^B	KC869823	KC869876
Suborder CONTINENTICOLA		
Superfamily Geoplanoidea		
Family Dugesiidae		
<i>Dugesia gonocephala</i> (Dugès 1830)	DQ666002	DQ665965
<i>Schmidtea polychroa</i> (Schmidt, 1861)	AF013154.1	DQ665993
<i>Girardia tigrina</i> (Girard, 1850)	AF013156	DQ665977
<i>Cura pinguis</i> (Weiss 1909)	AF033043	DQ665963
Family Geoplanidae		
<i>Cephalophlexa bergi</i> (Graff, 1899)	KJ599712	KC608355
<i>Geoplana quagga</i> Marcus, 1951	KC608497	KC608380
Superfamily Planarioidea		
Family Planariidae		
<i>Crenobia alpina</i> (Dana, 1766)	M58345	DQ665960
<i>Phagocata vitta</i> (Dugès, 1830)	DQ665998	DQ665989

OUTGROUP

Family Fecampiidae

Kronborgia isopodicola Blair & Bowman Williams, 1987 L41125 AY157168

Family Urastomidae

Piscinquilinus sp.^C AJ012512 AY157166

Urastoma cyprinae (Graff, 1882) AF167422 AY157165

^ASequences new from this study

^B undetermined genus and species

^C named as *Ichthyophaga* sp. in GenBank, but its name was replaced with *Piscinquilinus* sp. by Sluys et al. (2005).

Table S2. Measurements, in mm, of type-specimens of *Sluysia triapertura* Leal-Zanchet & Souza, sp. nov. after fixation

DG: distance of gonopore from anterior end; DM: distance of mouth from anterior end.

The numbers given in parentheses represent the position relative to body length

	Holotype MZUSP PL. 2099	Paratype MZU PL. 00265	Paratype MZU PL. 00266
Length	2.5	3	2.5
Width	<0.5	0.5	0.5
DM	1.5 (60%)	2 (67%)	1.5 (60%)
DG	2 (80%)	2.5 (83%)	2 (80%)