

Supplementary 6. Taxonomic diversity of caddisfly genera recorded in Brazil and main taxonomic efforts published until now, with special attention to species occurring in Brazil. Abbreviations: tax. rev.-taxonomic revision; morp. phy.-morphology based phylogenies; DNA phy.-DNA based phylogenies; COI-citocrome oxidase I gene fragment; descrip.-taxa descriptions; DNA div.-DNA divergencies.

Family/Genus	World	Brazil	Taxonomic revisions
Anomalopsychidae			
<i>Contulma</i>	32	6	Holzenthal & Flint 1995 (tax. rev. & morp. phy.)
Atriplectididae			
<i>Neotriplectides</i>	2	1	none
Calamoceratidae			
<i>Phylloicus</i>	61	25	Prather 2003 (tax. rev.)
Ecnomidae			
<i>Austrotinodes</i>	70	27	Flint & Denning 1989 (tax. rev.); Dumas et al. 2017 (13 BRA spp.)
Glossosomatidae			
<i>Canoptila</i>	2	2	Robertson & Holzenthal 2006 (tax. rev. & morp. phy.); Robertson & Holzenthal 2013 (COI + morp. phy.)
<i>Itauara</i>	22	15	Robertson & Holzenthal 2011 (tax. rev.); Robertson & Holzenthal 2013 (COI + morp. phy.)
<i>Mortoniella</i>	>150	26	Blahnik & Holzenthal 2008 (tax. rev.); Blahnik & Holzenthal 2011 (tax. rev.); Blahnik & Holzenthal 2017 (tax. rev.); Robertson & Holzenthal 2013 (COI + morp. phy.)
<i>Protoptila</i>	97	13	Robertson & Holzenthal 2013 (COI + morp. phy.)
<i>Tolhuaca</i>	2	1	Robertson & Holzenthal 2005 (tax. rev.); Robertson & Holzenthal 2013 (COI + morp. phy.)
Helicopsychidae			
<i>Helicopsyche</i>	>250	34	Johanson 1998 (tax. rev. & morp. phy.); Johanson 2002 (tax. rev., subgenus <i>Feropsyche</i>); Johanson 2003 (tax. rev. subgenus <i>Cochliopsyche</i>)
Hydrobiosidae			
<i>Atopsyche</i>	>100	27	Schmid 1989 (tax. rev.); Gomes & Calor 2016 (tax. rev.)
Hydropsychidae			
<i>Blepharopus</i>	1	1	none
<i>Centromacronema</i>	17	4	none
<i>Leptonema</i>	>100	32	Flint et al. 1987 (tax. rev.)
<i>Macronema</i>	33	19	Flint 1978 (species from Brazilian Amazon)
<i>Macrostemum</i>	>100	17	França et al. 2013 (tax. rev. Neotropical spp.)
<i>Plectromacronema</i>	4	3	Flint, 1983 (tax. rev.)
<i>Pseudomacronema</i>	1	1	none
<i>Smicridea</i>	>200	55	none recently
<i>Synoestropsis</i>	10	6	Barcelos-Silva et al. 2018 (larval assoc. with DNA)
Hydroptilidae			
<i>Acostatruchia</i>	20	8	none
<i>Alisotruchia</i>	57	5	none recently
<i>Anchitruchia</i>	8	1	none
<i>Ascotruchia</i>	6	4	Thomson (2019)
<i>Betruchia</i>	10	7	none
<i>Bredinia</i>	17	1	Harris et al. 2002b (tax. rev.)
<i>Byrsopteryx</i>	16	3	Harris & Holzenthal 1994 (tax. rev.)
<i>Costatruchia</i>	17	4	Holzenthal & Harris 1999 (tax. rev.)
<i>Dicaminus</i>	1	1	none
<i>Flintiella</i>	15	8	Harris et al. 2002a (tax. rev.)
<i>Hydroptila</i>	>450	5	none

Supplementary 3. Continued.

Family/Genus	World	Brazil	Taxonomic revisions
Hydroptilidae			
<i>Leucotrichia</i>	44	3	Thomson & Holzenthal 2015 (tax. rev.)
<i>Metrichia</i>	>100	21	Santos et al. 2016b (Brazilian spp., DNA div.)
<i>Neotrichia</i>	>150	26	Keth et al. 2015 (tax. rev. North America and Caribbean)
<i>Nothotrichia</i>	6	1	none
<i>Ochrotrichia</i>	>200	11	Bueno-Soria 2009 (tax. rev. Mexico and Central America)
<i>Orinocotrichia</i>	3	1	none
<i>Oxyethira</i>	>250	36	Kelley 1984 (morph. phyl.)
<i>Peltopsyche</i>	6	4	none
<i>Rhyacopsyche</i>	29	5	Wasmund & Holzenthal 2007 (tax. rev.; morph. phyl.)
<i>Tricholeiochiton</i>	10	1	none
<i>Tupiniquintrichia</i>	2	2	Santos et al. 2016a (DNA phyl.; descrip.)
Leptoceridae			
<i>Achoropsyche</i>	1	1	Holzenthal 1984 (descrip.)
<i>Amazonatolica</i>	1	1	Holzenthal & Pes 2004 (descrip.)
<i>Atanatolica</i>	25	4	Holzenthal 1988a (tax. rev.)
<i>Grumichella</i>	13	8	Calor et al. 2016 (tax. rev.; morph. phyl.)
<i>Nectopsyche</i>	>100	25	none
<i>Neoathripsodes</i>	2	2	none
<i>Notalina</i>	28	9	Calor et al. 2006 (morph. phyl.)
<i>Oecetis</i>	>550	30	Rueda-Martín et al. 2011 (key)
<i>Triplectides</i>	87	8	Holzenthal 1988b (tax. rev.)
Limnephilidae			
<i>Antarctoecia</i>	2	1	none
Odontoceridae			
<i>Anastomoneura</i>	1	1	Huamantínco & Nessimian 2004 (descrip.)
<i>Barypenthus</i>	1	1	Paprocki & Holzenthal 2002 (tax. rev.)
<i>Marilia</i>	72	17	none
Philopotamidae			
<i>Alterosa</i>	39	39	Blahnik 2005 (descrip.); Dumas & Nessimian 2013 (new spp.)
<i>Chimarra</i>	>850	53	Blahnik 1998 (tax. rev., New World spp., subgenus <i>Chimarra</i>); Wahlberg & Johanson 2014 (molec. phyl.); Kjer et al. 2014 (molec. phyl.); Flint 1998 (tax. rev., subgenus <i>Curgia</i>); Blahnik 1997 (tax. rev., morph. phyl., subgenus <i>Chimarrita</i>); Blahnik 2002 (tax. rev., morph. phyl., subgenus <i>Otarrha</i>)
<i>Wormaldia</i>	>200	1	Muñoz-Quesada & Holzenthal 2015 (tax. rev., Neotropical spp.)
Polycentropodidae			
<i>Cernotina</i>	73	39	Flint 1971 (Amazonian spp.)
<i>Cyrnellus</i>	12	8	Flint 1971 (Amazonian spp.)
<i>Nyctiophylax</i>	>100	1	Flint 1971 (Brazilian sp.)
<i>Polycentropus</i>	>150	26	Hamilton & Holzenthal 2011 (tax. rev., Brazilian spp.)
<i>Polyplectropus</i>	>250	31	Chamorro & Holzenthal 2010 (tax. rev., morph. phyl.)
Sericostomatidae			
<i>Grumicha</i>	1	1	none
<i>Notidobiella</i>	6	2	Holzenthal & Blahnik 2010 (tax. rev.)
Xiphocentronidae			
<i>Machairocentron</i>	6	1	none
<i>Xiphocentron</i>	50	12	none
Incertae sedis			
<i>Eutonella</i>	1	1	none

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