

Supplementary file 1 of: Taxonomic revision of Australian *Amobia* Robineau-Desvoidy, 1830 (Sarcophagidae: Miltogramminae): integrating morphology and genetics finds a new species and tackles old problems

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Supplementary file 1. Vouchers, citations and accession numbers for sequences included in the phylogenetic analysis. Species names are arranged alphabetically according to subfamily; outgroups are located at the end of the list.

No.	Species	Voucher information/ Citation	COI	CYTB	ND4	Ef α 1
1	<i>Amobia auriceps</i> (Baranov, 1935)	FLC5313; 15/1/2018, Australia, QLD, Lake Broadwater, -27.356213, 151.095043	MT044746	MT047333	MT047391	MT047445
2	<i>Amobia auriceps</i> (Baranov, 1935)	FLC4882; 10/11/2017, Australia, NT, Litchfield NP, -13.1906833 130.7745833	MT044706	MT047312	MT047369	MT047422
3	<i>Amobia auriceps</i> (Baranov, 1935)	FLC4883; 10/11/2017, Australia, NT, Litchfield NP, -13.1906833 130.7745833	MT044707	MT047313	MT047370	MT047423
4	<i>Amobia auriceps</i> (Baranov, 1935)	Meiklejohn 2013c (incorrectly identified as <i>Protomiltogramma</i> sp. KM059)	JN964698	-	-	-
5	<i>Amobia burnsi</i> (Malloch, 1930)	FLC2993; 06/12/2016, Australia, QLD, Gap Creek Reserve, -27.4787667, 152.9282166	MT044644	MT047292	MT047350	MT047403
6	<i>Amobia burnsi</i> (Malloch, 1930)	FLC3186; 09/01/2017, Australia, QLD, Bowling Green National Park, -19.4335556, 146.9454166	MT044663	MT047297	MT047354	MT047407
7	<i>Amobia serpenta</i> sp. n.	FLC4899; 13/11/2017, Australia, NT, Serpentine gorge, -23.757159, 132.981442	MT044723	MT047322	MT047380	MT047433
8	<i>Amobia signata</i> (Meigen, 1824)	Piwczyński <i>et al.</i> 2017	KY749709	KY749629	KY749549	KY749787

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9	<i>Apodacra dispar</i> Villeneuve, 1916	Piwczyński <i>et al.</i> 2017	KY749710	KY749630	KY749550	KY749788
10	<i>Apodacra nigropicta</i> (Rohdendorf, 1934)	Piwczyński <i>et al.</i> 2017	KY749711	KY749631	KY749551	KY749789
11	<i>Apodacra plumipes</i> Villeneuve, 1933	Piwczyński <i>et al.</i> 2017	-	KY749632	KY749552	KY749790 KY749791
12	<i>Apodacra pulchra</i> Egger, 1861	Piwczyński <i>et al.</i> 2017	KY749712	KY749633	KY749553	KY749792 KY749793
13	<i>Apodacra seriemaculata</i> Macquart, 1854	Piwczyński <i>et al.</i> 2017	KY749713	KY749634	KY749554	KY749794
14	<i>Craticulina diffusa</i> Villeneuve, 1934	Piwczyński <i>et al.</i> 2017	KY749714	KY749635	KY749555	KY749795
15	<i>Craticulina genesae</i> Verves, 1998	Piwczyński <i>et al.</i> 2017	KY749715	KY749636	KY749556	KY749796
16	<i>Craticulina tabaniformis</i> (Fabricius, 1805)	Piwczyński <i>et al.</i> 2017	KY749716	KY749637	KY749557	KY749797
17	<i>Dolichotachina marginella</i> (Wiedemann, 1830)	Piwczyński <i>et al.</i> 2017	KY749717	KY749638	KY749558	KY749798
18	<i>Eumacronychia persolla</i> Reinhard, 1965	Piwczyński <i>et al.</i> 2017	KY749718	KY749639	KY749559	-
19	<i>Eumacronychia sternalis</i> Allen, 1926	Piwczyński <i>et al.</i> 2017	-	KY749640	KY749560	-
20	<i>Macronychia griseola</i> (Fallén, 1820)	Piwczyński <i>et al.</i> 2017	KY749719	KY749641	KY749561	KY749799
21	<i>Macronychia polyodon</i> (Meigen, 1824)	Piwczyński <i>et al.</i> 2017	KY749720	KY749642	KY749562	KY749800
22	<i>Macronychia striginervis</i> (Zetterstedt, 1838)	Piwczyński <i>et al.</i> 2017	KY749721	KY749643	KY749563	KY749801
23	<i>Macronychia rubesca</i> Johnston <i>et al.</i> 2020	Johnston <i>et al.</i> 2020; FLC5408; Peter Murrell Conservation Area, Middle Fire Trail.	MT024249	MT047336	MT047455	MT047452
24	<i>Mesomelena mesomelaena</i> (Loew, 1848)	Piwczyński <i>et al.</i> 2017	KY749722	KY749644	KY749564	KY74980

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25	<i>Metopia argentata</i> Macquart, 1850	Piwczyński <i>et al.</i> 2017	KY749723	KY749645	KY749565	KY749803
26	<i>Metopia argyrocephala</i> (Meigen, 1824)	Piwczyński <i>et al.</i> 2017	KY749724	KY749646	KY749566	KY749804
27	<i>Metopia campestris</i> (Fallén, 1810)	Piwczyński <i>et al.</i> 2017	KY749725	KY749647	KY749567	KY749805
28	<i>Metopia staegerii</i> Rondani, 1859	Piwczyński <i>et al.</i> 2017	KY749726	KY749648	KY749568	KY749806
29	<i>Metopodia pilicornis</i> (Pandellé, 1895)	Piwczyński <i>et al.</i> 2017	KY749727	KY749649	KY749569	KY749807
30	<i>Miltogramma aurifrons</i> Dufour, 1850	Piwczyński <i>et al.</i> 2017	KY749728	KY749650	KY749570	KY749808
31	<i>Miltogramma chrysochlamys</i> (Rohdendorf, 1925)	Piwczyński <i>et al.</i> 2017	KY749729	KY749651	KY749571	KY749809
32	<i>Miltogramma efflatouni</i> Rohdendorf, 1934	Piwczyński <i>et al.</i> 2017	KY749730	KY749652	KY749572	KY749810
33	<i>Miltogramma germari</i> Meigen, 1824	Piwczyński <i>et al.</i> 2017	KY749731	KY749653	KY749573	KY749811
34	<i>Miltogramma margiana</i> (Rohdendorf, 1925)	Piwczyński <i>et al.</i> 2017	KY749732	KY749654	KY749574	KY749812
35	<i>Miltogramma oestracea</i> (Fallén, 1820)	Piwczyński <i>et al.</i> 2017	KY749733	KY749655	KY749575	KY749813
36	<i>Miltogramma przhevalskyi</i> (Rohdendorf, 1925)	Piwczyński <i>et al.</i> 2017	KY749734	KY749656	KY749576	KY749814
37	<i>Miltogramma punctata</i> Meigen, 1824	Piwczyński <i>et al.</i> 2017	KY749735	KY749657	KY749577	KY749815
38	<i>Miltogramma rutilans</i> Meigen, 1824	Piwczyński <i>et al.</i> 2017	KY749736	KY749658	KY749578	KY749816
39	<i>Miltogramma taeniata</i> Meigen, 1824	Piwczyński <i>et al.</i> 2017	KY749737	KY749659	KY749579	KY749817
40	<i>Miltogramma turanica</i> Rohdendorf, 1935	Piwczyński <i>et al.</i> 2017	KY749738	KY749660	KY749580	KY749818

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41	<i>Miltogramma vera</i> (Verves, 1979)	Piwczyński <i>et al.</i> 2017	KY749739	KY749661	KY749581	KY749819
42	<i>Oebalia praeclusa</i> (Pandellé, 1895)	Piwczyński <i>et al.</i> 2017	KY749740	KY749662	KY749582	KY749820
43	<i>Phrosinella fedtschenkoi</i> (Rohdendorf, 1925)	Piwczyński <i>et al.</i> 2017	KY749741	KY749663	KY749583	KY749821
44	<i>Phrosinella fulvicornis</i> (Coquillett, 1895)	Piwczyński <i>et al.</i> 2017	KY749742	KY749664	KY749584	KY749822
45	<i>Phrosinella kozlovi</i> (Rohdendorf, 1925)	Piwczyński <i>et al.</i> 2017	KY749743	KY749665	KY749585	KY749823
46	<i>Phylloteles formosana</i> (Townsend, 1933)	Piwczyński <i>et al.</i> 2017	KY749744	KY749666	KY749586	KY749824
47	<i>Phylloteles pictipennis</i> Loew, 1844	Piwczyński <i>et al.</i> 2017	KY749745	KY749667	KY749587	KY749825
48	<i>Protomiltogramma fasciata</i> (Meigen, 1824)	Piwczyński <i>et al.</i> 2017	KY749746	KY749668	KY749588	KY749826
49	<i>Pterella convergens</i> (Pandellé, 1895)	Piwczyński <i>et al.</i> 2017	KY749747	KY749669	KY749589	-
50	<i>Pterella grisea</i> (Meigen, 1824)	Piwczyński <i>et al.</i> 2017	KY749748	KY749670	KY749590	KY749827
51	<i>Pterella melanura</i> (Meigen, 1824)	Piwczyński <i>et al.</i> 2017	KY749749	KY749671	KY749591	KY749828
52	<i>Senotainia albifrons</i> (Rondani, 1859)	Piwczyński <i>et al.</i> 2017	KY749750	KY749672	KY749592	KY749829
53	<i>Senotainia conica</i> (Fallén, 1810)	Piwczyński <i>et al.</i> 2017	KY749751	KY749673	KY749593	KY749830
54	<i>Senotainia tricuspis</i> (Meigen, 1838)	Piwczyński <i>et al.</i> 2017	KY749752	KY749674	KY749594	KY749831
55	<i>Sphecatodes inornata</i> (Rohdendorf, 1975)	Piwczyński <i>et al.</i> 2017	KY749753	KY749675	KY749595	KY749832
56	<i>Sphenometopa claripennis</i> (Villeneuve, 1933)	Piwczyński <i>et al.</i> 2017	KY749757	KY749679	KY749599	KY749836

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57	<i>Sphenometopa fastuosa</i> (Meigen, 1824)	Piwczyński <i>et al.</i> 2017	KY749758	KY749680	KY749600	KY749837
58	<i>Sphenometopa tergata</i> (Coquillett, 1895)	Piwczyński <i>et al.</i> 2017	KY749759	KY749681	KY749601	KY749838
59	<i>Taxigramma elegantula</i> (Zetterstedt, 1844)	Piwczyński <i>et al.</i> 2017	KY749760	KY749682	KY749602	KY749839
60	<i>Taxigramma heteroneura</i> (Meigen, 1830)	Piwczyński <i>et al.</i> 2017	KY749761	KY749683	KY749603	KY749840
61	<i>Taxigramma hilarella</i> (Zetterstedt, 1844)	Piwczyński <i>et al.</i> 2017	KY749762	KY749684	KY749604	KY749841
62	<i>Taxigramma multipunctata</i> (Rondani, 1859)	Piwczyński <i>et al.</i> 2017	KY749763	KY749685	KY749605	KY749842
63	<i>Taxigramma stictica</i> (Meigen, 1830)	Piwczyński <i>et al.</i> 2017	KY749764	KY749686	KY749606	KY749843
64	<i>Angiometopa falleni</i> (Pape, 1986)	Piwczyński <i>et al.</i> 2017	KY749765	KY749687	KY749607	KY749844
65	<i>Brachicoma devia</i> (Fallén, 1820)	Piwczyński <i>et al.</i> 2017	KY749766	KY749688	KY749608	KY749845
66	<i>Dexagria ushinskyi</i> Rohdendorf, 1978	Piwczyński <i>et al.</i> 2017	KY749767	KY749689	KY749609	KY749846
67	<i>Goniophyto honshuensis</i> Rohdendorf, 1962	Piwczyński <i>et al.</i> 2017	KY749768	KY749690	KY749610	KY749847
68	<i>Goniophyto horii</i> Kurahashi & Suenaga, 1994	Piwczyński <i>et al.</i> 2017	KY749769	KY749691	KY749611	KY749848
69	<i>Kurahashiodes suenagai</i> (Kurahashi, 1994)	Piwczyński <i>et al.</i> 2017	KY749770	KY749692	KY749612	KY749849
70	<i>Paramacronychia flavipalpis</i> (Girschner, 1881)	Piwczyński <i>et al.</i> 2017	KY749771	KY749693	KY749613	KY749850
71	<i>Sarcophila latifrons</i> (Fallén, 1817)	Piwczyński <i>et al.</i> 2017	KY749772	KY749694	KY749614	KY749851
72	<i>Sarcotachina aegyptiaca</i> Villeneuve, 1910	Piwczyński <i>et al.</i> 2017	KY749773	KY749695	KY749615	KY749852

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73	<i>Sarcotachina subcylindrica</i> Portschinsky, 1881	Piwczyński <i>et al.</i> 2017	KY749774	KY749696	KY749616	KY749853
74	<i>Wohlfahrtia bella</i> (Macquart, 1839)	Piwczyński <i>et al.</i> 2017	KY749775	KY749697	KY749617	KY749854
75	<i>Wohlfahrtia indigens</i> Villeneuve, 1928	Piwczyński <i>et al.</i> 2017	KY749776	KY749698	KY749618	KY749855
76	<i>Wohlfahrtia magnifica</i> (Schiner, 1862)	Piwczyński <i>et al.</i> 2017	KY749777	KY749699	KY749619	KY749856
77	<i>Sarcophaga albiceps</i> Meigen, 1826	Piwczyński <i>et al.</i> 2017	KY749778	KY749700	KY749620	KY749857 KY749858
78	<i>Sarcophaga melanura</i> Meigen, 1826	Piwczyński <i>et al.</i> 2017	KY749779	KY749701	KY749621	KY749859
79	<i>Sarcophaga similis</i> Meade, 1826	Piwczyński <i>et al.</i> 2017	KY749780	KY749702	KY749622	KY749860
80	<i>Calliphora vomitoria</i> (Linnaeus, 1758) (Calliphoridae)	Piwczyński <i>et al.</i> 2017	KY749781	KY749703	KY749623	KY749861
81	<i>Stomorhina lunata</i> (Fabricius, 1794) (Rhiniidae)	Piwczyński <i>et al.</i> 2017	KY749786	KY749708	KY749628	KY749866

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