

Supplementary Material

The aberrant millipede genus *Pteridoiulus* and its position in a revised molecular phylogeny of the family Julidae (Diplopoda : Julida)

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Table S1. The studied species, their taxonomic position, their origin, voucher and GenBank numbers for sequenced specimens

All vouchers are deposited in the Natural History Museum of Denmark, University of Copenhagen. In the museum's files, all numbers are preceded by ZMUC00. Changes from Table 1 in Enghoff *et al.* (2011) shown in **boldface**

Species	Order	Superfamily	Family	Tribe	Geographical origin	Voucher no.	GenBank acc. 28S	GenBank acc. 16S
<i>Thyropygus bearti</i> Pimvichai <i>et al.</i> , 2009	Spirostreptida		Harpagophoridae		Thailand	200141	JF321008	JF320953
<i>Trachyiulus unciger</i> Golovatch <i>et al.</i> , 2012	Spirostreptida		Cambalopsidae		Thailand	200146	JF321022	JF320967
<i>Paraspriobolus lucifugus</i> (Gervais, 1836)	Spirobolida		Spirobolellidae		Denmark (hothouse)	100762	JF321045	JF320990
<i>Uroblaniulus carolinensis</i> Causey, 1953	JULIDA	Parajuloidea	Parajulidae		USA	101026	JF321059	JF321004
<i>Kopdoiulus continentalis</i> Golovatch, 1979	JULIDA	Parajuloidea	Mongoliulidae		Russia (rar east)	100957	JF321046	JF320991
<i>Nemasoma varicorne</i> C.L. Koch, 1847	JULIDA	Nemasomatoidea	Nemasomatidae		Denmark	101183	JF321030	JF320975
<i>Nemasoma varicorne</i> C.L. Koch, 1847	JULIDA	Nemasomatoidea	Nemasomatidae		Denmark	101184	JF321031	JF320976
<i>Thalassisobates littoralis</i> (Silvestri, 1908)	JULIDA	Nemasomatoidea	Nemasomatidae		USA	101123	KF701097	KF701072
<i>Choneiulus palmatus</i> (Nemec, 1895)	JULIDA	Blaniuloidea	Blaniulidae	Choneiulini	Germany	100758	JF321044	JF320989
<i>Nopoiulus kochii</i> (Gervais, 1847)	JULIDA	Blaniuloidea	Blaniulidae	Nopoiulini	Denmark	103127	KF701108	KF701083
<i>Blaniulus dollfusi</i> Brölemann, 1894	JULIDA	Blaniuloidea	Blaniulidae	Blaniulini	Belgium	100954	JF321043	JF320988
<i>Blaniulus guttulatus</i> (Fabricius, 1798)	JULIDA	Blaniuloidea	Blaniulidae	Blaniulini	Denmark	200020	JF321015	JF320960
<i>Archiboreoiaulus pallidus</i> (Brade-Birks, 1920)	JULIDA	Blaniuloidea	Blaniulidae	Boreoiulini	Denmark	101178	KF701088	KF701063
<i>Boreoiaulus tenuis</i> (Bigler, 1913)	JULIDA	Blaniuloidea	Blaniulidae	Boreoiulini	Denmark	101005	JF321060	JF321005
<i>Proteroioulus fuscus</i> (Am Stein, 1857)	JULIDA	Blaniuloidea	Blaniulidae	Boreoiulini	Denmark	101185	JF321028	JF320973
<i>Proteroioulus fuscus</i> (Am Stein, 1857)	JULIDA	Blaniuloidea	Blaniulidae	Boreoiulini	Denmark	101186	JF321029	JF320974
<i>Apfelbeckiella bulgarica</i> Verhoeff, 1926	JULIDA	Juloidea	Julidae	Pachyiulini	Bulgaria	021398	KF701105	KF701080
<i>Chersiulus sphinx</i> Strasser, 1940	JULIDA	Juloidea	Julidae	Pachyiulini	Slovenia	101686	KF701095	KF701070
<i>Pachyiulus hungaricus</i> (Karsch, 1881)	JULIDA	Juloidea	Julidae	Pachyiulini	Bulgaria	021396	KF701103	KF701078
<i>Pachyiulus oenologus</i> (Berlese, 1885)	JULIDA	Juloidea	Julidae	Pachyiulini	Italy	101011	JF321055	JF321000
<i>Pachyiulus flavipes</i> (C.L. Koch, 1847)	JULIDA	Juloidea	Julidae	Pachyiulini	Greece	101187	JF321037	JF320982
<i>Dolichoioulus blancatypa</i> (Enghoff, 1992)	JULIDA	Juloidea	Julidae	Pachyiulini	Canary Islands	101029	JF321056	JF321001
<i>Dolichoioulus dubiosus</i>	JULIDA	Juloidea	Julidae	Pachyiulini	Canary	200138	JF321062	JF321007

Enghoff, 1992								
<i>Dolichoiolus xylomystax</i> Enghoff, 1992	JULIDA	Juloidea	Julidae	Pachyiulini	Canary Islands	200150	JF321061	JF321006
<i>Dolichoiolus tongiorgii</i> (Strasser, 1973)	JULIDA	Juloidea	Julidae	Pachyiulini	Italy	200178	JF321026	JF320971
Gen. and sp. indet.	JULIDA	Juloidea	Julidae	Pachyiulini	Turkey	021410	KF701111	KF701086
<i>Anaulaciulus golovatchi</i> Mikhajlova, 1982	JULIDA	Juloidea	Julidae	Brachyiulini	Russia (Far East)	100963	JF321036	JF320981
<i>Megaphyllum bosniense</i> (Verhoeff, 1897)	JULIDA	Juloidea	Julidae	Brachyiulini	Bulgaria	021391	KF701098	KF701073
<i>Megaphyllum hercules</i> (Verhoeff, 1901)	JULIDA	Juloidea	Julidae	Brachyiulini	Bulgaria	021393	KF701100	KF701075
<i>Megaphyllum montivagum</i> (Verhoeff, 1901)	JULIDA	Juloidea	Julidae	Brachyiulini	Greece	101492	KF701092	KF701067
<i>Megaphyllum projectum</i> Verhoeff, 1894	JULIDA	Juloidea	Julidae	Brachyiulini	Slovakia	200023	JF321018	JF320963
<i>Megaphyllum rhodopinum</i> (Verhoeff, 1928)	JULIDA	Juloidea	Julidae	Brachyiulini	Bulgaria	021394	KF701101	KF701076
<i>Megaphyllum rossicum</i> (Timotheev, 1928)	JULIDA	Juloidea	Julidae	Brachyiulini	Russia	101119	KF701094	KF701069
<i>Megaphyllum transylvanicum</i> (Verhoeff, 1897)	JULIDA	Juloidea	Julidae	Brachyiulini	Bulgaria	021392	KF701099	KF701074
<i>Megaphyllum unilineatum</i> (C.L. Koch, 1838)	JULIDA	Juloidea	Julidae	Brachyiulini	Bulgaria	021397	KF701104	KF701079
<i>Acropoditius kinzelbachi</i> (Strasser, 1980)	JULIDA	Juloidea	Julidae	Brachyiulini	Turkey	021405	KF701110	KF701085
<i>Brachyiulus bagnalli</i> (Brolemann, 1924)	JULIDA	Juloidea	Julidae	Brachyiulini	Hungary	100790	JF321039	JF320984
<i>Brachyiulus pusillus</i> (Leach, 1814)	JULIDA	Juloidea	Julidae	Brachyiulini	Germany	100789	JF321038	JF320983
<i>Mesomeritus indivisus</i> Enghoff, 1990	JULIDA	Juloidea	Julidae	Paectophyllini	Turkey	021387	KF701107	KF701082
<i>Paectophyllum escherichii</i> Verhoeff, 1898	JULIDA	Juloidea	Julidae	Paectophyllini	Turkey	101712	KF701096	KF701071
<i>Catamicrophyllum caifanum</i> Verhoeff, 1901	JULIDA	Juloidea	Julidae	Paectophyllini	Israel	101037	JF321057	JF321002
<i>Calyptophyllum longiventre</i> (Verhoeff, 1941)	JULIDA	Juloidea	Julidae	Calyptophyllini	Turkey	200148	JF321021	JF320966
<i>Archileucogeorgia</i> sp.	JULIDA	Juloidea	Julidae	Leucogeorgiini	Georgia (ex-USSR)	101662	KF701091	KF701066
<i>Nepalmatoius birmanicus</i> (Pocock, 193)	JULIDA	Juloidea	Julidae	Leucogeorgiini	Thailand	101354	KF701109	KF701084
<i>Nepalmatoius generalis</i> Enghoff, 1987	JULIDA	Juloidea	Julidae	Leucogeorgiini	Nepal	101661	KF701090	KF701065
<i>Nepalmatoius</i> , sp. nov.	JULIDA	Juloidea	Julidae	Leucogeorgiini	Thailand	200145	JF321020	JF320965
<i>Heteroiulus intermedius</i> (Brölemann, 1892),	JULIDA	Juloidea	Julidae	Leucogeorgiini	Italy	200077	JF321019	JF320964
<i>Heteroiulus intermedius</i> (Brölemann, 1892),	JULIDA	Juloidea	Julidae	Leucogeorgiini	Italy	200079	JF321063	
<i>Pteridoiulus aspidiorum</i> Verhoeff, 1913	JULIDA	Juloidea	Julidae	Pteridoiulini	Austria	021417	KF701112	KF701087
<i>Unciger foetidus</i> (C.L. Koch, 1838)	JULIDA	Juloidea	Julidae	Oncoiulini	Germany	100755	JF321033	JF320978
<i>Unciger transsilvanicus</i> Verhoeff, 1899	JULIDA	Juloidea	Julidae	Oncoiulini	Bulgaria	021395	KF701102	KF701077
<i>Haplopodoiulus spathifer</i> (Brölemann, 1897)	JULIDA	Juloidea	Julidae	Julini	England	101004	JF321058	JF321003
<i>Julus scandinavius</i> Latzel, 1884	JULIDA	Juloidea	Julidae	Julini	Denmark	200018	JF321012	JF320957
<i>Paciifiulus amurensis</i> (Gerstfeld, 1859)	JULIDA	Juloidea	Julidae	Julini	Russia (far east)	100959	JF321035	JF320980
<i>Leptoioiulus trilineatus</i> (C.L. Koch, 1847)	JULIDA	Juloidea	Julidae	Leptoioiulini	Hungary	100792	JF321041	JF320986
<i>Leptoioiulus proximus</i> (Nemec, 1896)	JULIDA	Juloidea	Julidae	Leptoioiulini	Slovakia	200021	JF321016	JF320961
<i>Ophyiulus pilosus</i> (Newport, 1842)	JULIDA	Juloidea	Julidae	Leptoioiulini	Denmark	200176	JF321024	JF320969
<i>Xestoioiulus imbecillus</i> (Latzel, 1884)	JULIDA	Juloidea	Julidae	Leptoioiulini	Slovenia	101120	KF701093	KF701068
<i>Typhloioiulus</i> , sp. nov.	JULIDA	Juloidea	Julidae	Typhloioiulini	Bulgaria	021400	KF701106	KF701081

<i>Metaiulus pratensis</i> Blower & Rolfe, 1956	JULIDA	Juloidea	Julidae	Metaiulini	UK	101657	KF701089	KF701064
<i>Allajulus nitidus</i> (Verhoeff, 1891)	JULIDA	Juloidea	Julidae	Cylindroiulini	Denmark	200175	JF321023	JF320968
<i>Enantiulus nanus</i> (Latzel, 1884)	JULIDA	Juloidea	Julidae	Cylindroiulini	Germany	100754	JF321032	JF320977
<i>Kryphioiulus occultus</i> (C.L. Koch, 1847)	JULIDA	Juloidea	Julidae	Cylindroiulini	Germany	100757	JF321034	JF320979
<i>Cylindroiulus algerinus</i> (Brölemann, 1897)	JULIDA	Juloidea	Julidae	Cylindroiulini	Tunisia	101061	JF321047	JF320992
<i>Cylindroiulus apenninorum</i> (Brölemann, 1897)	JULIDA	Juloidea	Julidae	Cylindroiulini	Italy	101014	JF321049	JF320994
<i>Cylindroiulus attemsi</i> Read, 2005	JULIDA	Juloidea	Julidae	Cylindroiulini	Tunisia	101058	JF321048	JF320993
<i>Cylindroiulus boleti</i> (C.L. Koch, 1847)	JULIDA	Juloidea	Julidae	Cylindroiulini	Slovakia	200022	JF321017	JF320962
<i>Cylindroiulus caeruleocinctus</i> (Wood, 1864)	JULIDA	Juloidea	Julidae	Cylindroiulini	Denmark	00101181	JF32109	JF320954
<i>Cylindroiulus caeruleocinctus</i> (Wood, 1864)	JULIDA	Juloidea	Julidae	Cylindroiulini	Denmark	200017	JF321011	JF320956
<i>Cylindroiulus horvathi</i> (Verhoeff, 1897)	JULIDA	Juloidea	Julidae	Cylindroiulini	Hungary	100791	JF321040	JF320985
<i>Cylindroiulus luridus</i> (C.L. Koch, 1847)	JULIDA	Juloidea	Julidae	Cylindroiulini	Hungary	100793	JF321042	JF320987
<i>Cylindroiulus mitta</i> Akkari & Enghoff, 2008	JULIDA	Juloidea	Julidae	Cylindroiulini	Tunisia	101064	JF321050	JF320995
<i>Cylindroiulus parisiorum</i> (Brölemann & Verhoeff, 1896)	JULIDA	Juloidea	Julidae	Cylindroiulini	Denmark	101031	JF321051	JF320996
<i>Cylindroiulus punctatus</i> (Leach, 1815)	JULIDA	Juloidea	Julidae	Cylindroiulini	Denmark	200019	JF321014	JF320959
<i>Cylindroiulus tunetanus</i> Attems, 1908	JULIDA	Juloidea	Julidae	Cylindroiulini	Tunisia	101065	JF321052	JF320997
<i>Tachypodoiulus niger</i> (Leach, 1815)	JULIDA	Juloidea	Julidae	Schizophyllini	England	200177	JF321025	JF320970
<i>Ommatoiulus moreletii</i> (Lucas, 1860)	JULIDA	Juloidea	Julidae	Schizophyllini	Madeira	200101	JF321013	JF320958
<i>Ommatoiulus punicus</i> (Brölemann, 1894)	JULIDA	Juloidea	Julidae	Schizophyllini	Tunisia	101056	JF321053	JF320998
<i>Ommatoiulus khroumirensis</i> Akkari & Enghoff, 2013	JULIDA	Juloidea	Julidae	Schizophyllini	Tunisia	101057	JF321054	JF320999
<i>Ommatoiulus sabulosus</i> (L., 1758)	JULIDA	Juloidea	Julidae	Schizophyllini	Denmark	00101182	JF321010	JF320955
<i>Ommatoiulus hoffmani</i> Akkari & Enghoff, 2012	JULIDA	Juloidea	Julidae	Schizophyllini	Spain	200180	JF321027	JF320972

Fig. S1. TNT tree (gaps indicate missing data).

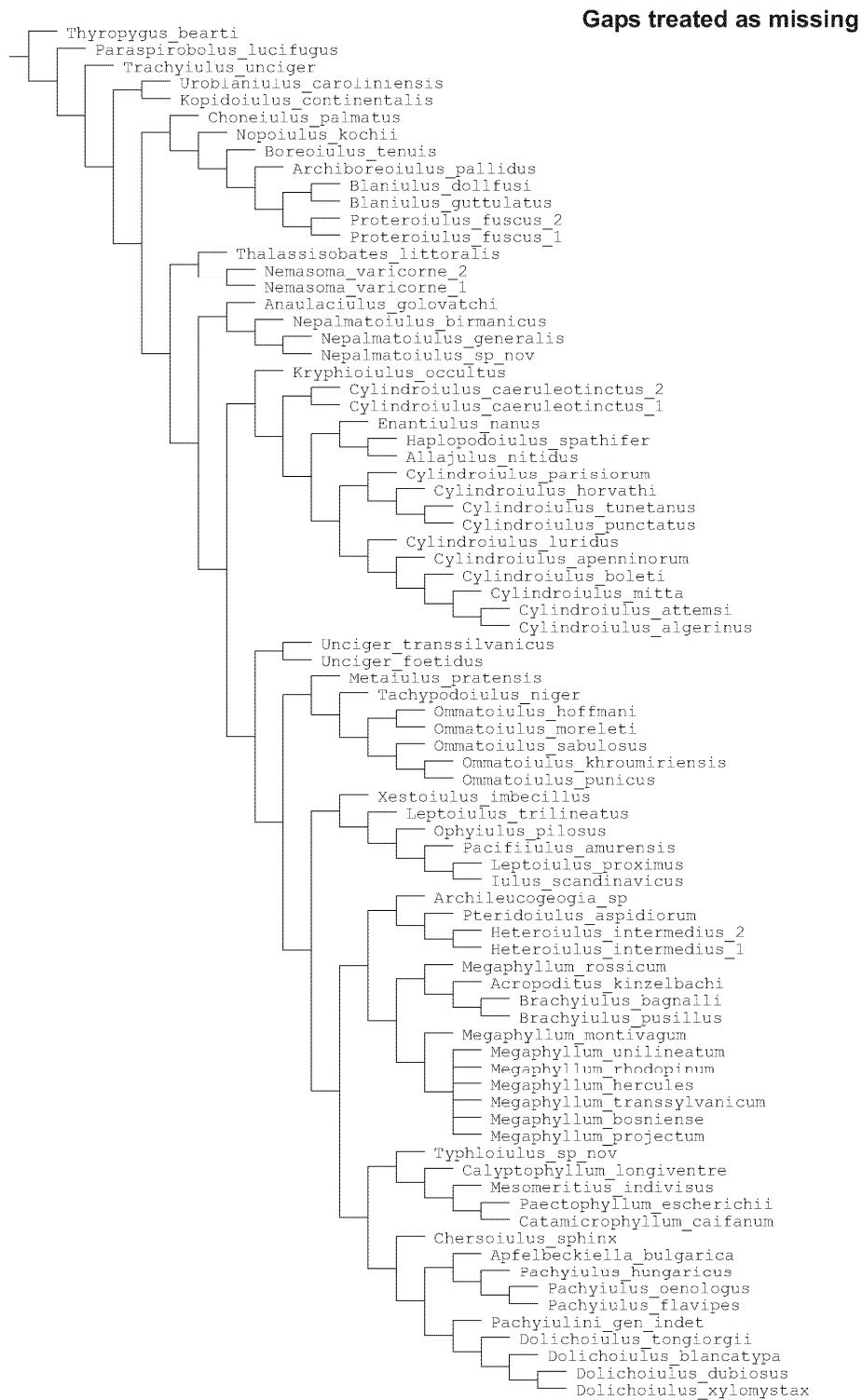


Fig. S2. TNT tree (gaps indicate fifth character state).

