		Number in							
Species	Collection	Supp. Fig. S1	Latitude (-)	Longitude	COII	12S	ITS1	18S	Specimen code
Macropanesthia rhinoceros	Dimbulah, QLD	1	17.181	145.042	+	+	+	+	GEOPAN00001
	Mt Garnet, QLD	2	17.774 20.290	145.024 149.044	+	nd nd	nd nd	nd nd	GEOPAN00002 GEOPAN00003
	Whitsunday Island, QLD Hughenden, QLD	4	19.936	144.268	+	nd	nd	nd	GEOPAN00003
	Charters Towers, QLD	5	20.111	146.611	+	nd	nd	nd	GEOPAN00005
	Magnetic Island, QLD Cooktown, QLD	6	19.149 15.281	146.847 144.989	÷.	nd	nd	nd	GEOPAN00006 GEOPAN00007
	Gumlu,QLD	7 8	19.832	147.669	+	nd nd	nd nd	nd nd	GEOPAN00007
	Coen, QLD	9	13.917	143.163	+	nd	nd	nd	GEOPAN00009
	Mt Carbine, QLD	10	16.508	145.161	+	nd	nd	nd	GEOPAN00010
Macropanesthia lineopunctata	Alpha, QLD Jericho.QLD	11 12	23.476 23.558	146.564 145.719	÷	nd nd	nd nd	+	GEOPAN00011 GEOPAN00012
Macropanesthia sp. nov.	Kirrama NP, QLD	13	18.106	145.636	+	+	nd	nd	GEOPAN00013
Macropanesthia heppleorum	Innot Hot Springs, QLD	14	17.638	145.286	+	+	+.	nd	GEOPAN00014
Geoscapheus woodwardi Macropanesthia spuritegmina	Muttaburra, QLD Jericho, QLD	15 16	22.535 23.564	144.586 145.823	+ nd	+	nd nd	+ nd	GEOPAN00015 GEOPAN00016
Macropanesthia kraussiana	Isisford, QLD	17	24.299	144.380	+	+	nd	nd	GEOPAN00017
Macropanesthia intermorpha	Hughenden, QLD	18	19.944	144.275	+	+	+	+	GEOPAN00018
Neogeoscapheus hanni	Mt Molloy, QLD Mt Molloy, QLD	19 20	16.798 16.665	145.182 145.299	+	+	+ nd	nd +	GEOPAN00019 GEOPAN00020
Macropanesthia mutica	Dinden NP, QLD	21	17.021	145.600	+	+	nd	nd	GEOPAN00021
Panesthia sloanei	Ravenshoe, QLD	22	17.620	145.570	+	+	nd	nd	GEOPAN00022
	Dinden NP, QLD Paluma, QLD	23 24	16.941 19.010	145.636 146.199	+	+	nd +	nd +	GEOPAN00023 GEOPAN00024
	Ravenshoe, QLD	25	17.525	145.511	+	+	+	nd	GEOPAN00024 GEOPAN00025
	Mt Lewis, QLD	26	16.582	145.291	+	+	+	nd	GEOPAN00026
Panesthia australis	Mt Gingera, ACT New England NP, NSW	27 28	35.600 30.489	148.800 152.409	+	+	+	+ nd	GEOPAN00027 GEOPAN00028
	Brindabella Mts. ACT	29	35.400	148.800	nd	+	+	nd	GEOPAN00029
	Kalangadoo, SA	30	37.563	140.769	+	nd	nd	+	GEOPAN00030
Panesthia obtusa	Blackdown Tableland NP, QLD Columboola, QLD	31 32	23.800 26.634	149.134 150.344	nd +	+	nd +	+ nd	GEOPAN00031 GEOPAN00032
Neogeoscapheus hirsutus	Gayndah, QLD	33	25.671	151.432	+	+	nd	+	GEOPAN00032 GEOPAN00033
	Bundaberg, QLD	34	24.810	152.330	+	+	+	+	GEOPAN00034
Macropanesthia lithgowae	Nudley SF, QLD	35	26.613	151.054	+	+.	+.	nd	GEOPAN00035
	Gurgeena, QLD Murgon, QLD	36 37	25.453 26.155	151.386 151.911	÷	nd +	nd +	+ nd	GEOPAN00036 GEOPAN00037
	Keysland, QLD	38	26.203	151.747	+	+	+	nd	GEOPAN00038
	Boat Mountain, QLD	39	26.160	151.970	+	+	+	nd	GEOPAN00039
Neogeoscapheus barbarae Panesthia tryoni tryoni	Hivesville, QLD Kroombit Tops NP, QLD	40 41	26.090 24.383	151.690 151.003	÷	+ nd	+	nd +	GEOPAN00040 GEOPAN00041
ranesuna uyoni uyoni	Kroombit Tops NP, QLD	42	24.414	151.054	+	+	+	+	GEOPAN00041
Macropanesthia mackerrasae	Mt Woowoonga, QLD	43	25.429	152.117	+	+	+	+	GEOPAN00043
Manage and the line of the land of the lan	Mt Walsh NP, QLD	44	25.571	152.052	÷.	+	nd +	nd	GEOPAN00044
Macropanesthia kinkunae Geoscapheus crenulatus crenulatus	Gotlow, QLD Noosa, QLD	45 46	25.058 26.394	152.341 153.094	+	+	nd	nd +	GEOPAN00045 GEOPAN00046
Macropanesthia saxicola	Yetman, NSW	47	28.975	150.770	+	+	+	+	GEOPAN00047
	Pikedale, QLD	48	28.711	151.502	nd	+	nd	nd	GEOPAN00048
Parapanesthia gigantea	Bolivia Hill, NSW Ballandean, QLD	49 50	29.321 28.767	151.919 151.860	+	+	nd +	+	GEOPAN00049 GEOPAN00050
Panesthia tryoni tegminifera	Dorrigo Mt, NSW	51	30.372	152.725	+	+	+	+	GEOPAN00051
Parapanesthia gigantea	Dunmore, QLD	52	27.701	151.032	+	nd	nd	nd	GEOPAN00052
Panesthia tryoni tryoni	Mt Worendo, QLD Hattah, VIC	53 54	28.300 34.763	153.200 142.292	+	+	+	+	GEOPAN00053 GEOPAN00054
Geoscapheus robustus	Parrakie, SA	55	35.379	142.292	nd	+	+	+	GEOPAN00054 GEOPAN00055
	Lake Crosbie, VIC	56	35.047	141.718	+	+	+	+	GEOPAN00056
	Yanna, QLD	57	26.932	146.040	+	+	+	+	GEOPAN00057
Geoscapheus dilatatus	Pooginook CP, SA Roma, QLD	58 59	34.056 26.863	140.131 148.966	+ nd	+	+	+	GEOPAN00058 GEOPAN00059
Coccapinous anatatas	Hattah, VIC	60	34.767	142.332	+	+	+	+	GEOPAN00060
	Pooginook CP, SA	61	34.067	140.148	+	+	+	+	GEOPAN00061
Panesthia tryoni tryoni	Ungarie, NSW Dalrymple Heights, QLD	62 63	33.673 21.053	147.031 148.554	+	+	+ nd	nd +	GEOPAN00062 GEOPAN00063
r anesana ayom ayom	Blue Mt, QLD	64	21.605	148.973	+	+	+	+	GEOPAN00064
Geoscapheus rugulosus	Blackdown Tableland NP, QLD	65	23.806	149.065	+	+	+	+	GEOPAN00065
Neogeoscapheus dahmsi Parapanesthia pearsoni	Duaringa, QLD	66 67	23.571	149.667 149.122	+	+	+	+	GEOPAN00066 GEOPAN00067
Macropanesthia rothi	Blackdown Tableland NP, QLD Agnes Water, QLD	68	24.257	151.947	+	+	nd	+	GEOPAN00068
Panesthia cribrata	Kroombit Tops NP, QLD	69	24.370	150.940	+	+	+	nd	GEOPAN00069
	Mogo, NSW	70 71	35.768 28.900	150.065	+	nd	nd	nd	GEOPAN00070 GEOPAN00071
	Mallanganee SF, NSW Bullocks Hut Rd, Norfolk Is	72	29.010	152.750 167.930		nd nd	nd nd	nd nd	GEOPAN00071
	Rocky Point Reserve, Norfolk Is	73	29.057	167.941	+	+	+	+	GEOPAN00073
	Killara, NSW Mt Pitt, Norfolk Is	74 75	33.769 29.017	151.156 167.938	+	nd nd	nd nd	nd nd	GEOPAN00074 GEOPAN00075
	Kowmung River, NSW	76	33.900	150.000	+	nd	+	nd	GEOPAN00076
	Mogo, NSW	77	35.768	150.065	+	nd	nd	nd	GEOPAN00077
	Yarraman, QLD Fbor NSW	78	26.800	152.000 152.310	+	nd	nd	nd	GEOPAN00078
	Taree, NSW	79 80	30.420 31.890	152.310	+	nd nd	+ nd	nd nd	GEOPAN00079 GEOPAN00080
	Mt Nebo, QLD	81	27.400	152.800	+	nd	+	nd	GEOPAN00081
	Wyong, NSW	82	33.280	151.420	÷.	+	+	+	GEOPAN00082
Panesthia lata	Upper Tallebudgera Ck, QLD Blackburn Is. Lord Howe Is	83 84	28.200 31.535	153.300 159.060	+	nd +	nd +	nd +	GEOPAN00083 GEOPAN00084
	Roach Is, Lord Howe Is	85	31.499	159.068	+	nd	+	+	GEOPAN00085
Panesthia matthewsi	Mt Walsh NP, QLD	86	25.570 25.564	152.053	nd	+	nd	+	GEOPAN00086
Panesthia cribrata (unwinged)	Gayndah, QLD Gayndah, QLD	87 88	25.564	151.695 151.426	+	+ nd	+ nd	+ nd	GEOPAN00087 GEOPAN00088
	Gayndah, QLD	89	25.564	151.695	+	+	nd	nd	GEOPAN00089
Panesthia ancaudelloides Panesthia cribrata (unwinged)	Ravenshoe, QLD Gurgeena, QLD	90 91	17.632 25.453	145.530	+	+ nd	nd nd	+ nd	GEOPANI00090
i anesuna cribrata (unwinged)	Gurgeena, QLD Goodnight Scrub NP, QLD	91 92	25.453 25.228	386.000 151.922	+	nd +	nd +	nd +	GEOPAN00091 GEOPAN00092
	Bulburin NP, QLD	93	24.527	151.471	+	+	nd	+	GEOPAN00093
Panesthia a. angustipennis	Margaret Knoll Lookout, Christmas Is	not shown	10.467	105.711	nd	+	nd	+	GEOPAN00094
	Central Area Workshop, Christmas Is Seychelles, Le Niol, Mahe'	not shown not shown	10.477 4.620	105.631 55.430	+	+	nd nd	nd +	GEOPAN00095 GEOPAN00096
	Sabah, Borneo Is, Malaysia	#	#	#	AB007542	nd	nd	nd	#
Panesthia saussurii	Philippines: Gingoog, Mindanao Is	#	#	#	AB036098		nd	AB036192	
Panesthia heumii Panesthia papuensis	Papua New Guinea: Kubor Range Papua New Guinea: Kubor Range	#	#	#	AB036099 +	AB036141 nd	nd nd	AB036193 nd	3 #
Panesthia a. yayeyamensis	Japan: Okinawa, Iriomotejima, Urauchi	#	#	#	AB007541	AB036139	+	AB036191	l #
Panesthia a. spadica	Japan: Kouchi, Ashizurimisaki	#	#	#	AB007534	AB036138	nd	AB036190) #
Panesthia. a. baluensis Ancaudellia shawi	Malaysia: Sabah, Mt. Kinabalu Papua New Guinea: Mt Bosavi	#	#	#	+ AB036097	nd AB036137	nd +	nd AB036189	#
Ancaudellia kheili	Papua New Guinea: Mt Hagen	#	#	#	AB036095	AB036135	nd	AB036187	7 #
Ancaudellia marshallae	Indonesia: Jayapura	#	#	#	AB036096	AB036136	+	AB036188	3 #
Panesthia transversa Caeparia crenulata	Malaysia: Sabah, Gaya Is Malaysia: Sabah, Danum Vally	#	#	#	AB036102 AB036103		+	AB036196 AB036197	
Miopanesthia deplanata	Malaysia: Sabah, Rafflesia Forest Reserve	#	#	#	AB036105	AB036151	nd	AB036203	3 #
Miopanesthia deplanata	Malaysia: Sabah, Mt Trus Madi	#	#	#	AB036104		nd	AB036202	
Salganea esakii Salganea taiwanensis ryukyuanus	Japan: Kagoshima, Yakushima, Japan: Kagoshima, Amamioshima, Yuwandake	#	#	#	AB007518 AB005459		+ nd	AB036198 AB036199	
Salganea taiwarierisis ryukyuanus Salganea gressiti	Taiwan: Habonsan	#	#	#	AB007529	AB036148	nd	AB036200) #
Salganea raggei	Taiwan: Santimon	#	#	#	AB007531		+	AB036201	
Outgroups									
Diploptera punctata					DQ874273		nd	DQ87412	
Zetobora sp.					EF363210	EF363311	nd	EF363254	
Epilampra sp. Nauphoeta cinerea					EU253871 DQ874301		nd nd	EU253775 DQ874156	
Trichoblatta pygmaea					AB036106		+	AB036205	
Schultesia lampyridiformis					AB023404	U17828	+	AB036204	
Phoetalia pallida Blaberus giganteus					DQ874314 AB014064		nd nd	DQ874174 EF363234	
Pycnoscelus surinamensis					DQ874325	DQ874097	nd	DQ87418	5
Nyctibora sp.					DQ874303		nd	DQ874160	

information from Maekawa et al. (1999) and Maekawa et al. (2003)
"*" indicates GenBank Accession number pending
nd: not determined

GPS coordinates for a total of 35 Australian taxa, including *P. tryoni* subspecies, *P. a. angustipennis* from Christmas Island, and *P. lata* from Lord Howe Island, are shown in this table. Note that at some locations, multiple samples were examined. This is why we state in the Materials and Methods that 122 Australian specimens were included, despite the fact that only 95 locations are listed for Australian species in this table.