

SUPPLEMENTARY INFORMATION

1. (a) Taxonomic Information and Genbank Accession Numbers for Datasets 1 and 2.

Order	Suborder	Superfamily	Family	Species	12s	16s	18s	28s	H3
Odonata	Anisozygoptera	-	Epiophlebiidae	<i>Epiophlebia superstes</i> §	AF266094	AF266094	AF461247	EU055324	EU055518
Odonata	Anisoptera	-	Gomphidae	<i>Ophiogomphus severus</i> §	AF266076	AF266076	AY121143	AY125283	AY125228
Odonata	Anisoptera	-	Gomphidae	<i>Progomphus borealis</i>	EU054982	EU055078	EU055173	EU055271	EU055464
Odonata	Anisoptera	-	Petaluridae	<i>Phenes raptor</i>	AF266083	AF266083	AY338720	EU055227	EU055422
Odonata	Anisoptera	-	Petaluridae	<i>Tanypteryx hageni</i>	EU054979	EU055075	EU055170	EU055268	EU055461
Odonata	Anisoptera	-	Synthemistidae	<i>Eusynthemis nigra</i>	EU054973	EU055069	EU055164	EU055262	EU055455
Odonata	Anisoptera	Aeshnoidea	Aeshnidae	<i>Anax junius</i> §	AY749694	AY555559	AY749908	AY750038	AY555570
								AY750039	
Odonata	Anisoptera	Aeshnoidea	Aeshnidae	<i>Brachytron pratense</i>	AF266068	AF266067	AF461232	EU055297	EU055492
Odonata	Anisoptera	Aeshnoidea	Austropetaliidae	<i>Phyllopetalia apollo</i>	EU055033	EU055130	EU055224	EU055322	EU055516
Odonata	Anisoptera	Cavilabiata	Chlorogomphidae	<i>Chlorogomphus brunneus</i>	EU054995	EU055091	EU055186	EU055284	EU055477
Odonata	Anisoptera	Cavilabiata	Cordulegastridae	<i>Cordulegaster dorsalis</i>	EU054988	EU055084	EU055179	EU055277	EU055470
Odonata	Anisoptera	Cavilabiata	Corduliidae	<i>Micromidia convergens</i>	EU054959	EU055057	EU055151	EU055248	EU055442
Odonata	Anisoptera	Cavilabiata	Corduliidae	<i>Somatochlora flavomaculata</i>	EU055008	EU055104	AF461242	AF461212	EU055490
Odonata	Anisoptera	Cavilabiata	Libellulidae	<i>Libellula saturata</i>	AY282562	AF037181	AY338717	AY338674	AY338637
Odonata	Anisoptera	Cavilabiata	Libellulidae	<i>Sympetrum corruptum</i>	EU054941	EU055041	EU055135	EU055230	EU055426
Odonata	Anisoptera	Cavilabiata	Macromiidae	<i>Macromia eurynome</i> §	EU055001	EU055097	EU055192	EU055290	EU055483
Odonata	Anisoptera	Cavilabiata	Neopetaliidae	<i>Neopetalia punctata</i>	AF266085	AF266085		EF631452	
								EF631338	
								EF631247	
Odonata	Zygoptera	Calopterygoidea	Amphipterygidae	<i>Devadatta podolestoides</i>	EU055108	EU055108	EU055201	EU055299	EU055494
Odonata	Zygoptera	Calopterygoidea	Calopterygidae	<i>Calopteryx sp.*</i>	AF266096	AF266096	X98502	EF417106	AY338636
							DQ008208		
Odonata	Zygoptera	Calopterygoidea	Calopterygidae	<i>Hetaerina americana</i>	AY282553	AF170951	Y12896	AY338675	AY338638
							AY338718		
Odonata	Zygoptera	Calopterygoidea	Dicteriadidae	<i>Heliocharis amazona</i>			AJ746326		
Odonata	Zygoptera	Calopterygoidea	Diphlebiidae	<i>Diphlebia coerulescens</i> §	EU054954	AY749833	AY749912	AY750045	AY749753
								AY750046	
Odonata	Zygoptera	Calopterygoidea	Euphaeidae	<i>Euphaea formosa</i>	EU054986	EU055082	EU055177	EU055275	EU055468

Order	Suborder	Superfamily	Family	Species	12s	16s	18s	28s	H3
Odonata	Zygoptera	Calopterygoidea	Polythoridae	<i>Euthore fasciata</i>	EU055028	EU055125	EU055218	EU055316	EU055511
Odonata	Zygoptera	Coenagrionoidea	Coenagrionidae	<i>Hesperagrion sp.*</i>	AY749697	AY749832	AY749911	AY750043 AY750044	AY749752
Odonata	Zygoptera	Coenagrionoidea	Coenagrionidae	<i>Ishnura barberi</i>	EU054942	EU055042	EU055136	EU055231	EU055427
Odonata	Zygoptera	Coenagrionoidea	Isostictidae	<i>Labidiosticta vallisii</i> §	EU054958	AY749834	AY749913	EU055247 AY750047 AY750048 AY750049	AY749754
Odonata	Zygoptera	Coenagrionoidea	Platycnemididae	<i>Platycnemis pennipes</i>	AF266095	AF266095	AJ459230 DQ008207	EU055298	EU055493
Odonata	Zygoptera	Coenagrionoidea	Protoneuridae	<i>Neoneura maria</i>	EU054991	EU055087	EU055182	EU055280	EU055473
Odonata	Zygoptera	Coenagrionoidea	Pseudostigmatidae	<i>Microstigma anomalum</i> §	EU055022	EU055119	EU055212	EU055310	EU055505
Odonata	Zygoptera	Lestoidea	Lestidae	<i>Austrolestes annulosus</i>	EU054966	EU055063	EU055157	EU055255	EU055448
Odonata	Zygoptera	Lestoidea	Lestidae	<i>Lestes sp.</i> §	AY282554	EF044267	AJ421951	AJ421951	EU055423
Odonata	Zygoptera	Lestoidea	Megapodagrionidae	<i>Griseargiolestes albescens</i>	EU054964	AY749835	AY749914	AY750050 AY750051	AY749755
Odonata	Zygoptera	Lestoidea	Megapodagrionidae	<i>Heteragrion sp.</i> §	EU055023	EU183239	EU055213	EU055311	EU055506
Odonata	Zygoptera	Hemiphleboidea	Hemiphlebiidae	<i>Hemiphlebia mirabilis</i>			FN356183		
Ephemeroptera	Carapacea		Baetiscidae	<i>Baetisca sp.*</i> §			AY749865	AY749961 AY749960	AY338627
Ephemeroptera	Carapacea		Prosopistomatidae	<i>Prosopistoma wouterae</i> §		AY749810	AY749882	AY749992	AY749734
Ephemeroptera	Furcatergalia		Ichthybotidae	<i>Ichthybotus hudsoni</i>	AY749682	AY749816	AY749892	AY750014 AY750013	AY749743
Ephemeroptera	Furcatergalia	Palpotarsa	Behningiidae	<i>Behningia sp.</i>	AY749678	AY749809	AY338703	AY338660	
Ephemeroptera	Furcatergalia	Palpotarsa	Behningiidae	<i>Dolania americana</i> §	AY749673	AY749802	AY749875	AY749978	
Ephemeroptera	Furcatergalia	Scaphodonta	Euthyplociidae	<i>Euthyplocia hecuba</i>	AY749653	AY749779	AY749855	AY749946	AY749712
Ephemeroptera	Furcatergalia	Scaphodonta	Ephemeridae	<i>Plethogenesia sp.</i> §	AY749674	AY749803	AY749876	AY749980 AY749979	AY749728
Ephemeroptera	Furcatergalia	Scaphodonta	Potamanthidae	<i>Anthopotamus sp.</i>	AY749643	AY749766	AY338711	AY338668	AY338631
Ephemeroptera	Furcatergalia		Polymitarciidae	<i>Tortopus sp.</i>	AY749655	AY749781	AY749857	AY749949	
Ephemeroptera	Furcatergalia	Pannota	Caenidae	<i>Caenis sp.</i>	AY749641	AY749763	AY338710	AY338667	AY338630
Ephemeroptera	Furcatergalia	Pannota	Leptohyphidae	<i>Allenhyphes flinti</i>	AY749677	AY749807	AY749880	AY749987	AY749732

Order	Suborder	Superfamily	Family	Species	12s	16s	18s	28s	H3
Ephemeroptera	Furcatergalia	Pannota	Ephemerellidae	<i>Attenella margarita</i> §	AY749676	AY749805	AY749879	AY749988 AY749986 AY749985	AY749731
Ephemeroptera	Furcatergalia	Lanceolata	Leptophlebiidae	<i>Paraleptophlebia vaciva</i>		AY749759	AY749840	AY749922 AY749923	AY749701
Ephemeroptera	Furcatergalia	Lanceolata	Leptophlebiidae	<i>Penaphlebia sp.</i>	AY749656	AY749782	AY749858	AY749951 AY749950	AY749713
Ephemeroptera	-		Oniscigastridae	<i>Tasmanophlebia sp.</i>	AY749690	AY749825	DQ648720 AY749899	AY750027 AY750026	
Ephemeroptera	-		Oniscigastridae	<i>Siphonella sp</i>		AY749785	AY749862	AY749957	AY749717
Ephemeroptera	-		Metretopodidae	<i>Siphloplecton interlineatum</i>	AY749667	AY749795	AY749873	AY749976	AY749726
Ephemeroptera	-		Siphlaenigmatidae	<i>Siphlaenigma janae</i>	AY749664	AY749792	AY749871	AY749972	AY749723
Ephemeroptera	Pisciforma		Acanthametropodidae	<i>Anaetris eximia</i>	AY749669	AY749797	AY338697	AY338654	AY338620
Ephemeroptera	Pisciforma		Ameletidae	<i>Ameletus sp.</i>	AY749644	AY749767	AY338712	AY338669	AY338632
Ephemeroptera	Pisciforma		Ameletidae	<i>Ametropus neavei</i>	AY749671	AY749800	AY338700	AY338657	AY338622
Ephemeroptera	Pisciforma		Baetidae	<i>Baetis sp.*</i> §	AJ969678	AY749771	AY749848	AY338652	AY749708
Ephemeroptera	Pisciforma		Baetidae	<i>Callibaetis ferrugineus</i>		AF370873	AF370791	AY859557	AF370815
Ephemeroptera	Pisciforma		Baetidae	<i>Centroptilum luteolum</i> §	AY749649	AY749774	AF461251	AY749935	AY749710
Ephemeroptera	Pisciforma		Nesameletidae	<i>Nesameletus ornatus</i>	AY749665	AY749793	AY749872	AY749975	AY749724
Ephemeroptera	Pisciforma		Rallidentidae	<i>Rallidens mcfarlanei</i>	AY749666	AY749794	AY338696	AY338653	AY749725
Ephemeroptera	Pisciforma		Siphonuridae	<i>Siphonurus sp.</i> §	AY749660	AY749786	AY749863	AY749958	AY749718
Ephemeroptera	Pisciforma		Dipteromimidae	<i>Dipteromimus sp.</i>	AY749684	AY749819	AY749894	AY750018 AY750019	AY749744
Ephemeroptera	Setisura		Coloburiscidae	<i>Coloburiscus humeralis</i>	AY749686	AY749821	AY338706	AY338663	AY338626
Ephemeroptera	Setisura		Oligoneuriidae	<i>Oligoneuriella rhenana</i>	AY749688	AY749823	AY749897	AY750022	AY749745
Ephemeroptera	Setisura		Oligoneuriidae	<i>Lachlania saskatchewanensis</i>	AY749801	AY749672	AY338701	AY338658	AY338623
Ephemeroptera	Setisura		Heptageniidae	<i>Afronurus peringueyi</i> §	AY749662	AY749790	AY749869	AY749967 AY749966	
Ephemeroptera	Setisura		Isonychiidae	<i>Isonychia sp.</i> §		AY749761	AY338708 AY749889 DQ648728	AY338665	AY338628
Ephemeroptera	Setisura		Arthropleidae	<i>Arthroplea bipunctata</i>	AY749683	AY749817	DQ648727	AY750015	

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Ephemeroptera	Setisura		Pseudironidae	<i>Pseudiron centralis</i>	AY749670	AY749799	AY338699 DQ648726	AY338656	
Neoptera	Endopterygota	Lepidoptera	Papilionidae	<i>Papilio sp.*</i>	EF621724	EF621724	AF286299	AF423920	DQ443228
Neoptera	Endopterygota	Lepidoptera	Bombycidae	<i>Bombyx mori</i>	AY037827	AF149768	DQ347470	X51912 M31320	NM_001098 286
Neoptera	Endopterygota	Trichoptera	Hydropsychidae	<i>Hydropsyche sp.*</i>			AF286291	AF338267	AY521731
Neoptera	Endopterygota	Coleoptera	Haliplidae	<i>Haliplus sp.*</i>	AY745653	AY071788	AF201416	EF417063	AY745689
Neoptera	Endopterygota	Coleoptera	Coccinellidae	<i>Coccinella sp.*</i>	AM779608	AM779602	AY748147	EU145670	
Neoptera	Endopterygota	Diptera	Drosophilidae	<i>Drosophila melanogaster</i>	NC_001709	NC_001709	M21017	M21017	NM_001032 207
Neoptera	Endopterygota	Diptera	Calliphoridae	<i>Lucilia sp.*</i>	AJ422212	EF531106	AF322425	EF531128	
Neoptera	Endopterygota	Hymenoptera	Apidae	<i>Apis mellifera</i>	NC_001566	NC_001566	AY703484	AJ302936	XM_624496
Neoptera	Endopterygota	Hymenoptera	Formicidae	<i>Aphaenogaster sp.*</i>	EF518751	DQ402087	EF012837	EF012965	EF518917
Neoptera	Endopterygota	Mecoptera	Panorpidae	<i>Panorpa sp.*</i>		AF180050	AF423900	AF423957 AF423958	AY521708
Neoptera	Endopterygota	Megaloptera	Sialidae	<i>Sialis sp.*</i>		AY620141	AY521864	AY521793	AY521714
Neoptera	Endopterygota	Neuroptera	Hemerobiidae	<i>Hemerobiidae sp.*</i>	AY139924	AY139971	AF423789	AY521794	AY521715
Neoptera	Endopterygota	Raphidioptera	Inocelliidae	<i>Inocelliidae sp.*</i>		AY620138	AY521865	AY521795	AY521716
Neoptera	Endopterygota	Siphonaptera	Pulicidae	<i>Pulicidae sp.*</i>	U73741	AY425835	AF423914	AF423974	
Neoptera	Endopterygota	Strepsiptera	Stylopidae	<i>Xenos sp.*</i>	DQ364229	DQ364229	U65164	U65216	
Neoptera	Orthopteroidea	Orthoptera	Acrididae	<i>Locusta migratoria</i> §	EF546760	AF514505	AF370793	AF370809 AF514461	AF370817
Neoptera	Orthopteroidea	Orthoptera	Tetrigidae	<i>Paratettix cucullatus</i> §	Z93273	Z93311	Z97574	AY338678	AY338640
Neoptera	Orthopteroidea	Orthoptera	Gryllidae	<i>Cyphoderris monstrosa</i> §	Z97611	AF514462	X95741	AF289197	
Neoptera	Orthopteroidea	Isoptera	Termopsidae	<i>Zootermopsis angusticollis</i>	DQ441841	EF543145	AY859615	AY859614	
Neoptera	Orthopteroidea	Isoptera	Termitidae	<i>Nasutitermes sp.</i> §	EF383149	EF383309	EF383469	EF383630	AY125226
Neoptera	Orthopteroidea	Mantodea	Mantidae	<i>Mantis religiosa</i> §	EF363288	EF363260	EF363231	AY491212	AY491327
Neoptera	Orthopteroidea	Blattaria	Blaberidae	<i>Gromphadorhina portentosa</i>	EF363297	EF363269	AF423763	AY491207	AY491322
Neoptera	Orthopteroidea	Blattaria	Blattidae	<i>Periplaneta americana</i> §	EF363305	EF363277	EF363248	AF321248	AF370816
Neoptera	Orthopteroidea	Dermaptera	Forficulidae	<i>Forficula sp.*</i> §	AF232893	EF363255	AY521836	AY521752	AY521703
Neoptera	Orthopteroidea	Dermaptera	Chelisochidae	<i>Chelisoches annulatus</i>	EF623305	EF623146	AY707346	AY707411	AY707426

Order	Suborder	Superfamily	Family	Species	12s	16s	18s	28s	H3
							AY707323	AY707390	
								AY707370	
Neoptera	Orthopteroidea	Mantophasmatodea	<i>incertae sedis</i>	<i>Tyrannophasma gladiator</i> §	DQ457230	DQ890285	AY521863	DQ457338	DQ457399
Neoptera	Orthopteroidea	Grylloblattodea	Grylloblattidae	<i>Galloisiana yuasai</i> §	DQ457210	DQ457242	DQ457280	DQ457318	DQ457381
Neoptera		Plecoptera	Capniidae	<i>Allocapnia minima</i> §	EF623289	EF623130	EF622679	EF622836	EF622564
Neoptera	Paraneoptera	Hemiptera	Aphrophoridae	<i>Philaenus spumarius</i>	AY630340	AY630340	AY744779	AY744813	AY744851
Neoptera	Paraneoptera	Hemiptera	Nepidae	<i>Ranatra sp.*</i>		AY252686	DQ133580	DQ133585	
Neoptera	Paraneoptera	Thysanoptera	Thripidae	<i>Thripinae sp.*</i>	AF335993	AF335993	AY630445	AY523392	DQ104771
Neoptera	Paraneoptera	Phthiraptera	Philopteridae	<i>Campanulotes bidentatus</i>	AY139887	AY139934	AF385036		
							AF385037		
Neoptera	Paraneoptera	Psocoptera	Philotarsidae	<i>Aaroniella badonneli</i>	AY275305	AY275355	AY630532		DQ104796
Neoptera		Zoraptera	Zorotypidae	<i>Zorotypus sp.*</i>	EF623440	EF623273	AY521890	AY521825	AY521732
Neoptera		Embioptera	Embiidae	<i>Notoligotoma sp.*</i>		EU157038	AY338693	EU157050	EU157030
Outgroup		Thysanura	Lepidotrichidae	<i>Tricholepidion sp.*</i> §	AY191994	AY191994	AF370789	AY338685	AF110863
Outgroup		Thysanura	Lepismatidae	<i>Lepismatidae sp.*</i> §	NC_006080	NC_006080	AF370790	AY338683	AY338644
Outgroup		Thysanura	Nicoletiidae	<i>Nicoletiidae sp.*</i> §	NC_011197	NC_011197	AY338727	AY338684	AY338645
Outgroup		Archaeognatha	Machilidae	<i>Petrobius sp.*</i> §	AY956355	AY956355	AF461258	AF461229	
								AF483389	
								AF483447	
								X90664	
								X90666	
								X90665	
Outgroup		Archaeognatha	Meinertellidae	<i>Meinertellidae sp.*</i> §	AY793551	AY793551	AF370788	EU289815	AF110864
								AF370806	
Outgroup		Collembola		<i>Podura aquatica</i> §	AY652999	NC_006075	AY596363	AY210838	
Outgroup		Collembola		<i>Tetrodontophora bielanensis</i> §	NC_002735	NC_002735	AY555519	AF483402	
								AF483460	
								AY555533	
Outgroup		Brachiopoda		<i>Daphnia sp.*</i> §	DQ116603	DQ470575	AM490278	AF346515	

*Note.* \*indicates composite taxa made up of two species. § indicates taxa used in the reduced-taxon dataset 1 analysis.

## (b) Taxonomic Information and Genbank Accession Numbers for Dataset 2.

Order	Suborder	Superfamily	Family	Species	12s	16s	18s	28s	H3	EF1a	COII
Odonata	Anisozygoptera	-	Epiophlebiidae	<i>Epiophlebia superstes</i>	AF266094	AF266094	AF461247	EU055324	EU055518	§	EU055421
Odonata	Anisoptera	-	Gomphidae	<i>Gomphus sp.</i>	EU054948	EU055048	EU055142	EU055237	EU055433	§	EU055338
Odonata	Anisoptera	-	Synthemistidae	<i>Synthemis sp.*</i>	EU054970	EU055067	EU055161	EU055259	EU055452	§	EU055359
Odonata	Anisoptera	Aeshnoidea	Aeshnidae	<i>Anax junius</i>	AY749694	AY555559	AY749908	AY750038	AY555570	§	EU055328
								AY750039			
Odonata	Anisoptera	Cavilabiata	Macromiidae	<i>Macromia eurynome</i>	EU055001	EU055097	EU055192	EU055290	EU055483		EU055388
Odonata	Zygoptera	Calopterygoidea	Diphlebiidae	<i>Diphlebia coerulescens</i>	EU054954	AY749833	AY749912	AY750045	AY749753	§	EU055344
								AY750046			
Odonata	Zygoptera	Coenagrionoidea	Pseudostigmatidae	<i>Microstigma anomalum</i>	EU055022	EU055119	EU055212	EU055310	EU055505	§	EU055408
Odonata	Zygoptera	Coenagrionoidea	Isostictidae	<i>Labidosticta vallisii</i>	EU054958	AY749834	AY749913	EU055247	AY749754	§	EU055347
								AY750047			
								AY750048			
								AY750049			
Odonata	Zygoptera	Lestoidea	Lestidae	<i>Lestes sp.*</i>	AY282554	EF044267	AJ421951	AJ421951	EU055423	§	EU055330
Odonata	Zygoptera	Lestoidea	Megapodagrionidae	<i>Heteragrion sp.</i>	EU055023	EU183239	EU055213	EU055311	EU055506	DQ642971	EU055409
Ephemeroptera	Furcatergalia	Scaphphodonta	Ephemeridae	<i>Ephemerella sp.</i>	NC_012645	NC_012645	GQ118267	GQ118302	GQ118323		NC_012645
Ephemeroptera	Furcatergalia	Scaphphodonta	Ephemeridae	<i>Hexagenia sp.</i>	GQ118255	GQ118286	AY121136	AY125276	AY125223	AY305469	
Ephemeroptera	Furcatergalia	Pannota	Ephemerellidae	<i>Ephemerella sp.*</i>	FJ443012	FJ443040	FJ443062	FJ443088	FJ443113	GQ886698	
Ephemeroptera	Setisura		Heptageniidae	<i>Epeorus sp.*</i>	AY749638	AY749757	AY749837	AY749917	AY870289	AF461030	
Ephemeroptera	Setisura		Heptageniidae	<i>Ecdyonurus sp.*</i>	AY749650	AY749775	AY749851	AY749936		EU414686	
								AY749937			
								AY749938			
Ephemeroptera	Pisciforma		Baetidae	<i>Baetis sp.*</i>	AJ969678	AY749771	AY749848	AY338652	AY749708	EU414687	
Ephemeroptera	Pisciforma		Baetidae	<i>Centroptilum luteolum</i>	AY749649	AY749774	AF461251	AY749935	AY749710		
Ephemeroptera	Pisciforma		Siphonuridae	<i>Siphonurus sp.*</i>	DQ648735	AY749786	AY749863	AY749958	GU066910	EU414688	FJ606783
Ephemeroptera	Carapacea	Baetiscidae	Baetiscidae	<i>Baetisca sp.*</i>			AY749865	AY749961	AY338627		
								AY749960			
Ephemeroptera	Carapacea	Prosopistomatidae	Prosopistomatidae	<i>Prosopistoma wouterae</i>		AY749810	AY749882	AY749992	AY749734		

Order	Suborder	Superfamily	Family	Species	12s	16s	18s	28s	H3	EF1a	COII
Neoptera	Orthopteroidea	Orthoptera	Gryllidae	<i>Acheta domesticus</i>	Z97611	AF514462	X95741	AY859544	GU066907	GQ886692	M83961
Neoptera	Orthopteroidea	Orthoptera	Acrididae	<i>Locusta migratoria</i>	EF546760	AF514505	AF370793	AF370809 AF514461	AF370817	AY077627	EU287446
Neoptera	Orthopteroidea	Isoptera	Mastotermitidae	<i>Mastotermes darwiniensis</i>	FJ805971	FJ806147	DQ882638	AY125281	GU066915	EU414693	AB014071
Neoptera	Orthopteroidea	Mantodea	Mantidae	<i>Hierodula sp.</i>	FJ805979	FJ806156	FJ806342	EU414720	GU066921	EU414699	AY491285
Neoptera	Orthopteroidea	Blattaria	Blattidae	<i>Periplaneta americana</i>	EF363305	EF363277	EF363248	AF321248	AF370816	U90054	EF363225
Neoptera	Orthopteroidea	Dermaptera	Forficulidae	<i>Forficula sp.*</i>	AF232893	EF363255	AY521836	AY521752	AY521703	EU414681	AF140540
Neoptera	Orthopteroidea	Mantophasmatodea	<i>incertae sedis</i>	<i>Tyrannophasma gladiator</i>	DQ457230	DQ890285	AY521863	DQ457338	DQ457399	EU414701	DQ457369
Neoptera	Orthopteroidea	Grylloblattodea	Grylloblattidae	<i>Galloisiana yuasai</i>	DQ457210	DQ457242	DQ457280	DQ457318	DQ457381	EU414714	DQ457350
Neoptera		Plecoptera	Capniidae	<i>Isoperla sp.</i>	EF623373	EF623206	AY121148	AY125288	AY125233	EU414708	EF623070
Neoptera		Embioptera	Embiidae	<i>Notoligotoma sp.*</i>		EU157038	AY338693	EU157050	EU157030		
Outgroup		Thysanura	Lepidotrichidae	<i>Tricholepidion sp.*</i>	AY191994	AY191994	AF370789	AY338685	AF110863		
Outgroup		Thysanura	Lepismatidae	Lepismatidae sp.*	NC_006080	NC_006080	AF370790	AY338683	AY338644	AF063405	NC_006080
Outgroup		Thysanura	Nicoletiidae	Nicoletiidae sp.*	NC_011197	NC_011197	AY338727	AY338684	AY338645		
Outgroup		Archaeognatha	Machilidae	<i>Petrobius sp.*</i>	AY956355	AY956355	AF461258	AF461229 AF483389 AF483447 X90664 X90666 X90665	AF110865	DQ531741	AY956355
Outgroup		Archaeognatha	Meinertellidae	Meinertellidae sp.*	AY793551	AY793551	AF370788	EU289815 AF370806	AF110864		AY793551
Outgroup		Collembula		<i>Podura aquatica</i>	AY652999	NC_006075	AY596363	AY210838		AY305474	AJ272594
Outgroup		Collembula		<i>Tetradontophora bielanensis</i>	NC_002735	NC_002735	AY555519	AF483402 AF483460 AY555533			NC_002735
Outgroup		Brachiopoda		<i>Daphnia sp.*</i>	DQ116603	DQ470575	AM490278	AF346515		GQ886695	NC_000844

*Note.* \*indicates composite taxa made up of two species. § indicates sequence data from Carle, F.L., Kjer, K.M. & May, M.L. (2008): Evolution of Odonata, with Special Reference to Coenagrionioidea (Zygoptera). *Arthropod Systematics & Phylogeny*, 66(1): 37-4.