

Supplementary Material to “Expanding the mitochondrial genomic toolkit for Polyneoptera: New mitogenomes and evaluation of reduced marker sets for phylogeny and DNA barcoding”

Table S1 - Summary of sequencing run information and genome assembly statistics for all species included in this study.

Species name	Sequence reads		Seed	Assembly statistics			
	NCBI SRA Accession number	Total bases (bp)	NCBI Accession Number	Status	#Contigs	Largest contig	Coverage
<i>Abracris flavolineata</i>	SRR16892668	1025958202	MG993440	circularized	1	15668	474
<i>Aeropedellus variegatus</i>	SRR10395434	422051592	MG470492.1	fail	NA	NA	NA
<i>Amphinemura sulcicollis</i>	SRR3262386	11958688110	MH085447.1	circularized	1	15829	1960
<i>Anisolabis maritima</i>	SRR8064813	24327861600	MZ701626.1	incomplete	1	7482	NA
<i>Brachyptera seticornis</i>	SRR15358142	19920989088	JQ736345.1	circularized	1	15532	7385
<i>Burtia prunoides</i>	ERR7618047	934940100	NC_057646.1	incomplete	1	2100	NA
<i>Chorthippus biguttulus</i>	SRR10398078	172852629	ON422093.1	fail	NA	NA	NA
<i>Clitarchus hookeri</i>	SRR5889587	125823423200	MW530386.1	incomplete	122	9451	NA
<i>Doru luteipes</i>	SRR5651483	1344851564	OR922644.1	fail	NA	NA	NA
<i>Eumigus monticolus</i>	SRR3000673	5071063752	AM267143.1	circularized	1	15627	667
<i>Eyprepocnemis plorans</i>	SRR2970625	8107209602	MG993425.1	circularized	1	15668	1583
<i>Forficula auricularia</i>	SRR17839760	241487073442	MT072862.1	fail	NA	NA	NA
<i>Hierodula sp. WJ-2021</i>	SRR16955305	3150183600	NC_048984.1	incomplete	3	15312	NA
<i>Hymenopus oblongifolius</i>	ERR7618015	206099598	KX434861.1	incomplete	1	3279	NA
<i>Kathroperla doma</i>	SRR13743954	25326267923	MG382590.1	circularized	1	15990	3196
<i>Kathroperla siskiyou</i>	SRR13743953	17170194062	MG382590.1	circularized	1	16358	869
<i>Leuctra hippopus</i>	SRR11470105	2736462166	MK568475.1	circularized	1	15685	207
<i>Leuctra nigra</i>	SRR12518772	3319907442	MK568475.1	incomplete	33	7802	NA
<i>Medauroidea extrudentata</i>	SRR6383867	177869241000	ON881016.1	circularized	1	17428	13698
<i>Paraperla wilsoni</i>	SRR13743952	21580052766	MH840645.1	circularized	1	16594	602
<i>Pholidoptera griseoptera</i>	SRR12432320	3459266550	MW243136.1	incomplete	9	7202	NA
<i>Phryganogryllacris superangulata</i>	SRR23815002	21898708800	NC_033994.1	incomplete	5	8477	NA

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<i>Podisma pedestris</i>	SRR18000087	1440276608	MT311125.1	circularized	1	15627	166
<i>Pseudochorthippus parallelus</i>	SRR10398080	200579291	OR780552.1	incomplete	1	3044	NA
<i>Pyrgomorpha conica</i>	SRR3953136	5364985872	KM384853.1	circularized	1	15636	296
<i>Ronderosia bergii</i>	SRR11819620	2415130584	MT771674.1	circularized	1	15606	375
<i>Schistocerca americana</i>	SRR16603599	135330327736	NC_013240.1	incomplete	4	306	NA
<i>Schistocerca cancellata</i>	SRR18836884	210887592976	NC_013240.1	incomplete	1	355	NA
<i>Schistocerca ceratiola</i>	SRR14493068	592008612	NC_013240.1	incomplete	1	3544	NA
<i>Schistocerca damnifica</i>	SRR14493059	1875726832	NC_013240.1	incomplete	4	802	NA
<i>Schistocerca flavofasciata</i>	SRR14493067	1189871846	NC_013240.1	fail	NA	NA	NA
<i>Schistocerca nitens</i>	SRR19025522	142335334610	NC_013240.1	incomplete	2	2059	NA
<i>Schistocerca nitens caribbeana</i>	SRR14493065	1646719024	NC_013240.1	fail	NA	NA	NA
<i>Schistocerca pallens</i>	SRR14493066	1170105040	NC_013240.1	incomplete	1	1740	NA
<i>Schistocerca piceifrons</i>	SRR16604496	127129483006	NC_013240.1	incomplete	141	1941	NA
<i>Schistocerca rubiginosa</i>	SRR14493060	1664962542	NC_013240.1	incomplete	2	1457	NA
<i>Schistocerca serialis cubense</i>	SRR18836885	177844456860	NC_013240.1	incomplete	1	252	NA
<i>Sigaus australis</i>	SRR1575334	54989420	EF544562.1	fail	NA	NA	NA
<i>Sigaus childi</i>	SRR1575319	92933370	EF544562.1	fail	NA	NA	NA
<i>Siphonoperla torrentium</i>	SRR12777459	32948649900	MT482900.1	circularized	1	15996	3866
<i>Stauroderus scalaris</i>	SRR10398081	170680097	MT311127.1	incomplete	2	2288	NA
<i>Stenopelmatus talpa</i>	SRR18074866	234262200	NC_028058.1	incomplete	1	297	NA
<i>Stenopelmatus typhlops</i>	SRR18074868	193439100	NC_028058.1	incomplete	1	753	NA
<i>Tachycines shuangcha</i>	SRR18390613	10280297100	NC_057442.1	fail	NA	NA	NA
<i>Taeniopteryx nebulosa</i>	SRR12518807	2441110092	NC_037897.1	incomplete	1	15314	NA
<i>Tenodera sp. WJ-2021</i>	SRR18218046	3617209800	MN447996.1	incomplete	5	15549	NA
<i>Timema bartmani</i>	SRR5248893	24540161700	DQ241799.1	circularized	1	19048	3541
<i>Timema cristinae</i>	SRR6345715	177827595716	DQ241799.1	incomplete	21	4984	NA
<i>Timema douglasi</i>	SRR18079125	32035918702	DQ241799.1	fail	NA	NA	NA
<i>Timema genevieveae</i>	SRR5248887	28312966800	DQ241799.1	circularized	1	18085	4721
<i>Timema monikensis</i>	SRR5248911	33563060100	DQ241799.1	circularized	1	16977	11373
<i>Timema podura</i>	SRR14340209	3646615504	DQ241799.1	circularized	1	16864	880
<i>Timema poppensis</i>	SRR5248929	29584773300	DQ241799.1	circularized	1	18305	1924
<i>Timema shepardi</i>	SRR5248923	29843238900	DQ241799.1	circularized	1	17174	3354

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<i>Timema tahoe</i>	SRR5248899	25423391700	DQ241799.1	incomplete	2	18493	NA
<i>Utaperla gaspesiana</i>	SRR13743951	19585467342	EF623003.1	circularized	1	17119	2576
<i>Utaperla lepnevae</i>	SRR13743957	25984189773	EF623003.1	circularized	1	16655	3678
<i>Utaperla orientalis</i>	SRR13743956	20967119021	EF623003.1	incomplete	3	15688	2372
<i>Utaperla sopladora</i>	SRR13743955	9705370939	EF623003.1	circularized	1	16278	429
<i>Vandiemena pichirichi</i>	SRR23945927	181398988102	EU121484.1	incomplete	1	164	NA
<i>Vandiemena viatica</i>	SRR23945939	243817330206	EU121484.1	circularized	1	15611	22502
<i>Xya riparia</i>	SRR17629532	63218113286	MK903575.1	incomplete	75	164	NA
<i>Xyleus discoideus angulatus</i>	SRR16892664	1571089542	OL415642.1	circularized	1	15752	146
<i>Xyleus discoideus discoideus</i>	SRR16892662	2033433202	OL415642.1	circularized	1	15707	520
<i>Zapada chila</i>	SRR17808847	1677275544	MG378125.1	incomplete	1	540	NA