

Table S2. Species of Phasmatodea used to construct the phylogenetic relationships along with SRA numbers.

Family	Subfamily	Species	SRA	Reference
Pseudophasmatidae	Pseudophasmatinae	<i>Peruphasma schultei</i>	SRR1002984	[33]
Heteropterygidae	Obriminae	<i>Aretaon asperrimus</i>	SRR1172270	[33]
Phylliidae	Phylliinae	<i>Phyllium siccifolium</i>	ERR392012	[33]
Phasmatidae	Clitumninae	<i>Medauroidea extradentata</i>	SRR1172394	[33]
		<i>Ramulus artemis</i>	SRR1172422	[33]
	Phasmatinae	<i>Clitarchus hookeri</i>	SRR3080266	[33]
		<i>Acanthoxyla</i> sp.	SRR2089887	[33]
		<i>Argosarchus horridus</i>	SRR2089902	[33]
Lonchodidae	Lonchodinae	<i>Phraortes</i> sp. YW-2014	SRR1189755	[33]
	Lonchodinae	<i>Carausius morosus</i>	SRR3211828	[33]
Diapheromeridae	Pachymorphinae	<i>Spinotectarchus acornutus</i>	SRR2089897	[33]
		<i>Tectarchus salebrosus</i>	SRR2089908	[33]
		<i>Tectarchus ovobessus</i>	SRR2089893	[33]
		<i>Asteliaphasma jucundum</i>	SRR2089913	[33]
		<i>Micrarchus</i> sp.	SRR1054193	[33]
		<i>Micrarchus hystriculeus</i>	SRR1054191	[33]
		<i>Niveaphasma annulatum</i>	SRR2089878	[33]