Table S1. List of species used for the study with GenBank accession numbers for 18S rDNA. The species (marked in read) selected by the computer program RNAstructure ver. 6.3 [1] as exhibiting a secondary structure common to two or more sequences was considered the "consensus species" for these sequences.

Family	Species	Geographic origin	GenBank accesion numbers for 18S rDNA	Source
Acanthosomatidae	*Elasmostethus interstinctus* (Linnaeus, 1758)	Poland	KY911197	[2]
	Elasmucha laeviventris Liu, 1919	China	KJ535865	[3]
	Stauralia chloracantha Dallas, 1851	Australia	AY252268	[4]
Canopidae	*Canopus* sp.	Peru	AY252229	[4]
	Adrisa magna (Uhler, 1861)	Japan	KY911199	[2]
	Chilocoris confusus Horváth, 1919	Japan	KY911201	[2]
	Cydnus aterrimus (Forster, 1771)	Italy	KY911202	[2]
	Fromundus pygmaeus (Dallas, 1851)	Taiwan	KJ535871	[3]
	Geotomus convexus Hsiao, 1977	Japan	KY911203	[2]
	Macroscytus brunneus (Fabricius, 1803)	Namibia	KY911204	[2]
	Microporus nigrita (Fabricius, 1794)	Poland	KY911205	[2]
	Pangaeus bilineatus (Say, 1825)	Guatemala	KY911207	[2]
	Rhytidoporus indentatus Uhler, 1877	Guam	KY911208	[2]
Cydnidae: Sehirinae	*Adomerus biguttatus* (Linnaeus, 1758)	Poland	KY911198	[2]
	Canthophorus niveimarginatus Scott, 1874	Japan	KY911200	[2]
	Ochetostethomorpha secunda J.A. Lis & B. Lis, 2014	Namibia	KY911206	[2]
	Sehirus luctuosus Mulsant et Rey, 1866	Poland	KY911209	[2]
	Tritomegas sexmaculatus (Rambur, 1839)	Poland	KY911210	[2]
Dinidoridae	*Cyclopelta obscura* (Lepeletier & Serville, 1828)	China	KJ522641	[3]
	Megymenum sp.	China	KJ535879	[3]
Lestoniidae	*Lestonia haustorifera* China, 1955	Australia	KT188471	[3]
Parastrachiidae	*Dismegistus sanguineus* (DeGeer, 1778)	South Africa	EF641203	[4]
	Parastrachia japonensis (Scott, 1880)	Japan	EF641204	[4]
Pentatomidae	*Eurydema maracandica* Oshanin, 1871	China	KJ535867	[3]
	Graphosoma italicum (O.F. Müller, 1766) [as *G. lineatum* (Linnaeus, 1758) in GenBank	Croatia	KY911211	[2]

	Oechalia schellenbergii (Guérin, 1831)	Australia	EF641205	[4]
	Rhaphigaster nebulosa (Poda, 1761)	Germany	X89495	[5]
Plataspidae	*Coptosoma bifarium* Montandon, 1897	China	KJ461259	[6]
	Coptosoma scutellatum (Geoffroy, 1785)	Poland	KY911212	[2]
Scutelleridae	*Cantao ocellatus* (Thunberg, 1784)	China	KJ461182	[6]
	Coleotichus costatus (Fabricius, 1787)	Australia	EF641219	[4]
Tessaratomidae	*Eurostus validus* Dallas, 1851	China	KJ461181	[6]
Thaumastellidae	*Thaumastella elizabethae* Jacobs, 1989	South Africa	EF641221	[4]
	Thaumastella namaquensis Schaefer & Wilcox, 1971	South Africa	EF641222	[4]
Thyreocoridae	*Allocoris* sp.	USA	AY252323	[4]
	Galgupha australis McAtee & Malloch, 1933	Bolivia	KY911213	[2]
	Thyreocoris scarabaeoides (Linnaeus, 1758)	Poland	KY911214	[2]
Urostylididae	*Tessaromerus licenti* Yang, 1939	China	KJ535883	[3]
	Urochela luteovaria Distant, 1881	China	KJ461205	[6]
	Urostylis chinai Maa, 1947	China	KJ535886	[3]
Alydidae (outgroup)	*Leptocorisa acuta* (Thunberg, 1783)	China	AY627322	[7]
	Riptortus pedestris (Fabricius, 1775)*	Japan	AB725684	[9]
Coreidae (outgroup)	*Cletus punctiger* (Dallas, 1852)	China	KJ461173	[6]
	Aulacosternum nigrorubrum Dallas, 1852	Australia	AY252258	[8]
Rhopalidae (outgroup)	*Stictopleurus punctatonervosus* (Goeze, 1778)	China	KJ461217	[6]
Stenocephalidae (outgroup)	*Dicranocephalus alticolus* (Zheng, 1981)	China	KJ461228	[6]

* *Riptortus pedestris* was indicated the "consensus species" for the entire outgroup.

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