

Table S1. The number of nucleotides of the hypervariable region V4, the length-variable region L (LVR L), and the L2 subregion of the LVR L in the *18S rRNA* of the analysed taxa. All analysed species of the Cydnidae were assigned to the particular groups of spermathecal types and facies recovered within the family Cydnidae [19].

Family	Subfamily	Spermathecal types / facies (according to [19])	Species	Number of nucleotides		
				V4	LVR L	L2
Cydnidae	Amaurocorinae	amaurocorinae type	<i>Amaurocoris curtus</i> (Brullé, 1838)	316	73	6
	Amnestinae	amnestinae type	<i>Amnestus pusio</i> (Stål, 1860)	324	73	6
			<i>Amnestus zacki</i> Mayorga & Cervantes, 2009	324	73	6
			<i>Lattinestus barrerae</i> Mayorga & Brailovsky, 2012	324	73	6
	Garsauriinae	garsauriinae type	<i>Garsauria aradoides</i> Walker, 1868	317	74	6
	Cephalocteinae	“cydnoid” type	<i>Stibaropus indonesicus</i> J.A. Lis, 1991	317	74	4
		geotoman facies				
	Cydninae	“cydnoid” type geotoman facies	<i>Aethus holothrix</i> Linnavuori, 1977	317	74	4
			<i>Aethus pseudindicus</i> J.A. Lis, 1993	317	74	4
			<i>Alonips obsoletus</i> Signoret, 1881	317	74	4
			<i>Byrsinus pseudosyriacus</i> (Linnavuori, 1977)	317	74	4
			<i>Byrsinus varians</i> (Fabricius, 1803)	317	74	4
			<i>Cyrtomenus emarginatus</i> Stål, 1862	317	74	4
			<i>Fromundus pygmaeus</i> (Dallas, 1851)	317	74	4
			<i>Geotomus convexus</i> Hsiao, 1977	317	74	4
			<i>Lactistes obesipes</i> Signoret, 1879	317	74	4
			<i>Lactistes vericulatus</i> Schiødte, 1848	317	74	4
			<i>Macroscytus badius</i> (Walker, 1867)	317	74	4
			<i>Macroscytus brunneus</i> (Fabricius, 1803)	317	74	4
			<i>Macroscytus fraterculus</i> Horváth, 1919	317	74	4
			<i>Microporus nigrita</i> (Fabricius, 1794)	317	74	4
			<i>Pangaeus bilineatus</i> (Say, 1825)	317	74	4
			<i>Pangaeus rugiceps</i> Horváth, 1919	317	74	4
			<i>Rhytidoporus indentatus</i> Uhler, 1877	317	74	4
		“cydnoid” type adrisan facies	<i>Adrisa magna</i> (Uhler, 1861)	316	73	4
			<i>Adrisa romani</i> J.A. Lis, 1994	316	73	4
		“cydnoid” type scoparipan facies	<i>Pseudoscoparipes fraterculus</i> J.A. Lis, 1994	316	73	4
			<i>Pseudoscoparipes kinabalensis</i> J.A. Lis, 1994	316	73	4
		“cydnoid” type cydnan facies	<i>Chilocoris confusus</i> Horváth, 1919	325	81	7
			<i>Chilocoris laevicollis</i> Horváth, 1919	325	81	7
			<i>Chilocoris piceus</i> Signoret, 1884	325	81	7
			<i>Parachilocoris minutus</i> (Distant, 1901)	325	81	7
			<i>Cydnus aterrimus</i> (Forster, 1771)	316	73	4
	Sehirinae	“cydnoid type” sehiran facies	<i>Adomerus biguttatus</i> (Linnaeus, 1758)	316	73	6
			<i>Canthophorus niveimarginatus</i> Scott, 1874	316	73	6
			<i>Sehirus luctuosus</i> Mulsant et Rey, 1866	316	73	6

			<i>Tritomegas bicolor</i> (Linnaeus, 1758)	316	73	6
			<i>Tritomegas sexmaculatus</i> (Rambur, 1839)	316	73	6
		"cydnoid type" ochetostethan facies	<i>Ochetostethomorpha secunda</i> J.A. Lis & B. Lis, 2014	316	73	4
			<i>Ochetostethus opacus</i> (Scholtz, 1847)	316	73	4
Parastrachiidae	–	–	<i>Dismegistus sanguineus</i> (DeGeer, 1778)	316	73	6
			<i>Parastrachia japonensis</i> (Scott, 1880)	316	73	6
Thyreocoridae	Corimelaeninae	–	<i>Galgupha australis</i> McAtee & Malloch, 1933	316	74	6
	Thyreocorinae	–	<i>Thyreocoris scarabaeoides</i> (Linnaeus, 1758)	316	74	6
Thaumastellidae	–	–	<i>Thaumastella elizabethae</i> Jacobs, 1989	318	75	3
(outgroup)			<i>Thaumastella namaquensis</i> Schaefer & Wilcox, 1971	315	72	3