

Table S2. 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.

Region	Number of nucleotides	Species	Subfamily	Family	
V4	315	<i>Thaumastella namaquensis</i> Schaefer & Wilcox, 1971	–	Thaumastellidae	
	316	<i>Amaurocoris curtus</i> (Brullé, 1838)	Amaurocorinae	Cydnidae	
		<i>Adrisa magna</i> (Uhler, 1861)	Cydninae		
		<i>Adrisa romani</i> J.A. Lis, 1994			
		<i>Pseudoscoparipes fraterculus</i> J.A. Lis, 1994			
		<i>Pseudoscoparipes kinabalensis</i> J.A. Lis, 1994			
		<i>Cydnus aterrimus</i> (Forster, 1771)	Sehirinae		
		<i>Adomerus biguttatus</i> (Linnaeus, 1758)			
		<i>Canthophorus niveimarginatus</i> Scott, 1874			
		<i>Sehirus luctuosus</i> Mulsant et Rey, 1866			
		<i>Tritomegas bicolor</i> (Linnaeus, 1758)			
		<i>Tritomegas sexmaculatus</i> (Rambur, 1839)			
		<i>Ochetostethomorpha secunda</i> J.A. Lis & B. Lis, 2014			
		<i>Ochetostethus opacus</i> (Scholtz, 1847)			
		<i>Dismegistus sanguineus</i> (DeGeer, 1778)	–	Parastrachiidae	
		<i>Parastrachia japonensis</i> (Scott, 1880)			
		<i>Galgupha australis</i> McAtee & Malloch, 1933	Corimelaeninae	Thyreocoridae	
		<i>Thyreocoris scarabaeoides</i> (Linnaeus, 1758)	Thyreocorinae		
		317	<i>Garsauria aradoides</i> Walker, 1868	Garsauriinae	Cydnidae
			<i>Stibaropus indonesicus</i> J.A. Lis, 1991	Cephalocteinae	
			<i>Aethus holothrix</i> Linnavuori, 1977	Cydninae	
	<i>Aethus pseudindicus</i> J.A. Lis, 1993				
	<i>Alonips obsoletus</i> Signoret, 1881				
	<i>Byrsinus pseudosyriacus</i> (Linnavuori, 1977)				
	<i>Byrsinus varians</i> (Fabricius, 1803)				
	<i>Cyrtomenus emarginatus</i> Stål, 1862				
	<i>Fromundus pygmaeus</i> (Dallas, 1851)				
	<i>Geotomus convexus</i> Hsiao, 1977				
	<i>Lactistes obesipes</i> Signoret, 1879				
	<i>Lactistes vericulatus</i> Schiødte, 1848				

	317	<i>Macroscytus badius</i> (Walker, 1867)	Cydninae	Cydnidae	
		<i>Macroscytus brunneus</i> (Fabricius, 1803)			
		<i>Macroscytus fraterculus</i> Horváth, 1919			
		<i>Microporus nigrita</i> (Fabricius, 1794)			
		<i>Pangaeus bilineatus</i> (Say, 1825)			
		<i>Pangaeus rugiceps</i> Horváth, 1919			
		<i>Rhytidoporus indentatus</i> Uhler, 1877			
	318	<i>Thaumastella elizabethae</i> Jacobs, 1989	–	Thaumastellidae	
	324	<i>Amnestus pusio</i> (Stål, 1860)	Amnestinae	Cydnidae	
		<i>Amnestus zacki</i> Mayorga & Cervantes, 2009			
		<i>Lattinestus barrerae</i> Mayorga & Brailovsky, 2012			
	325	<i>Chilocoris confusus</i> Horváth, 1919	Cydninae	Cydnidae	
		<i>Chilocoris laevicollis</i> Horváth, 1919			
		<i>Chilocoris piceus</i> Signoret, 1884			
		<i>Parachilocoris minutus</i> (Distant, 1901)			
LVR L	72	<i>Thaumastella namaquensis</i> Schaefer & Wilcox, 1971		Thaumastellidae	
	73	<i>Amaurocoris curtus</i> (Brullé, 1838)	Amaurocorinae	Cydnidae	
		<i>Amnestus pusio</i> (Stål, 1860)	Amnestinae		
		<i>Amnestus zacki</i> Mayorga & Cervantes, 2009			
		<i>Lattinestus barrerae</i> Mayorga & Brailovsky, 2012			
		<i>Adrisa magna</i> (Uhler, 1861)	Cydninae		
		<i>Adrisa romani</i> J.A. Lis, 1994			
		<i>Pseudoscoparipes fraterculus</i> J.A. Lis, 1994			
		<i>Pseudoscoparipes kinabalensis</i> J.A. Lis, 1994			
		<i>Cydnus aterrimus</i> (Forster, 1771)			
		<i>Adomerus biguttatus</i> (Linnaeus, 1758)	Sehirinae		
		<i>Canthophorus niveimarginatus</i> Scott, 1874			
		<i>Sehirus luctuosus</i> Mulsant et Rey, 1866			
		<i>Tritomegas bicolor</i> (Linnaeus, 1758)			
		<i>Tritomegas sexmaculatus</i> (Rambur, 1839)			
		<i>Ochetostethomorpha secunda</i> J.A. Lis & B. Lis, 2014			
		<i>Ochetostethus opacus</i> (Scholtz, 1847)			
		<i>Dismegistus sanguineus</i> (DeGeer, 1778)	–	Parastrachiidae	
				<i>Parastrachia japonensis</i> (Scott, 1880)	
		74	<i>Garsauria aradoidea</i> Walker, 1868	Garsauriinae	Cydnidae

74		<i>Stibaropus indonesicus</i> J.A. Lis, 1991	Cephalocteinae	Cydnidae	
		<i>Aethus holothrix</i> Linnavuori, 1977	Cydninae		
		<i>Aethus pseudindicus</i> J.A. Lis, 1993			
		<i>Alonips obsoletus</i> Signoret, 1881			
		<i>Byrsinus pseudosyriacus</i> (Linnavuori, 1977)			
		<i>Byrsinus varians</i> (Fabricius, 1803)			
		<i>Cyrtomenus emarginatus</i> Stål, 1862			
		<i>Fromundus pygmaeus</i> (Dallas, 1851)			
		<i>Geotomus convexus</i> Hsiao, 1977			
		<i>Lactistes obesipes</i> Signoret, 1879			
		<i>Lactistes vericulatus</i> Schiødte, 1848			
		<i>Macroscytus badius</i> (Walker, 1867)			
		<i>Macroscytus brunneus</i> (Fabricius, 1803)			
		<i>Macroscytus fraterculus</i> Horváth, 1919			
		<i>Microporus nigrita</i> (Fabricius, 1794)			
		<i>Pangaeus bilineatus</i> (Say, 1825)			
		<i>Pangaeus rugiceps</i> Horváth, 1919			
		<i>Rhytidoporus indentatus</i> Uhler, 1877			
		<i>Galgupha australis</i> McAtee & Malloch, 1933	Corimelaeninae		Thyreocoridae
		<i>Thyreocoris scarabaeoides</i> (Linnaeus, 1758)	Thyreocorinae		
75		<i>Thaumastella elizabethae</i> Jacobs, 1989	–	Thaumastellidae	
81		<i>Chilocoris confusus</i> Horváth, 1919	Cydninae	Cydnidae	
		<i>Chilocoris laevicollis</i> Horváth, 1919			
		<i>Chilocoris piceus</i> Signoret, 1884			
		<i>Parachilocoris minutus</i> (Distant, 1901)			
L2	3	<i>Thaumastella elizabethae</i> Jacobs, 1989	–	Thaumastellidae	
		<i>Thaumastella namaquensis</i> Schaefer & Wilcox, 1971			
4		<i>Stibaropus indonesicus</i> J.A. Lis, 1991	Cephalocteinae	Cydnidae	
		<i>Aethus holothrix</i> Linnavuori, 1977	Cydninae		
		<i>Aethus pseudindicus</i> J.A. Lis, 1993			
		<i>Alonips obsoletus</i> Signoret, 1881			
		<i>Byrsinus pseudosyriacus</i> (Linnavuori, 1977)			
		<i>Byrsinus varians</i> (Fabricius, 1803)			
		<i>Cyrtomenus emarginatus</i> Stål, 1862			
		<i>Fromundus pygmaeus</i> (Dallas, 1851)			

4	<i>Geotomus convexus</i> Hsiao, 1977	Cydninae	Cydnidae
	<i>Lactistes obesipes</i> Signoret, 1879		
	<i>Lactistes vericulatus</i> Schiødte, 1848		
	<i>Macroscytus badius</i> (Walker, 1867)		
	<i>Macroscytus brunneus</i> (Fabricius, 1803)		
	<i>Macroscytus fraterculus</i> Horváth, 1919		
	<i>Microporus nigrita</i> (Fabricius, 1794)		
	<i>Pangaeus bilineatus</i> (Say, 1825)		
	<i>Pangaeus rugiceps</i> Horváth, 1919		
	<i>Rhytidoporus indentatus</i> Uhler, 1877		
	<i>Adrisa magna</i> (Uhler, 1861)		
	<i>Adrisa romani</i> J.A. Lis, 1994		
	<i>Pseudoscoparipes fraterculus</i> J.A. Lis, 1994		
	<i>Pseudoscoparipes kinabalensis</i> J.A. Lis, 1994		
<i>Cydnus aterrimus</i> (Forster, 1771)	Sehirinae		
<i>Ochetostethomorpha secunda</i> J.A. Lis & B. Lis, 2014			
6	<i>Ochetostethus opacus</i> (Scholtz, 1847)	Amaurocorinae Garsauriinae Amnestinae Sehirinae – Corimelaeninae Thyreocorinae	Cydnidae
	<i>Amaurocoris curtus</i> (Brullé, 1838)		
	<i>Garsauria aradoides</i> Walker, 1868		
	<i>Amnestus pusio</i> (Stål, 1860)		
	<i>Amnestus zacki</i> Mayorga & Cervantes, 2009		
	<i>Lattinestus barrerae</i> Mayorga & Brailovsky, 2012		
	<i>Adomerus biguttatus</i> (Linnaeus, 1758)		
	<i>Canthophorus niveimarginatus</i> Scott, 1874		
	<i>Sehirus luctuosus</i> Mulsant et Rey, 1866		
	<i>Tritomegas bicolor</i> (Linnaeus, 1758)		
	<i>Tritomegas sexmaculatus</i> (Rambur, 1839)		
	<i>Dismegistus sanguineus</i> (DeGeer, 1778)		
	<i>Parastrachia japonensis</i> (Scott, 1880)		
	<i>Galgupha australis</i> McAtee & Malloch, 1933		
<i>Thyreocoris scarabaeoides</i> (Linnaeus, 1758)			
7	<i>Chilocoris confusus</i> Horváth, 1919	Cydninae	Cydnidae
	<i>Chilocoris laevicollis</i> Horváth, 1919		
	<i>Chilocoris piceus</i> Signoret, 1884		
	<i>Parachilocoris minutus</i> (Distant, 1901)		

