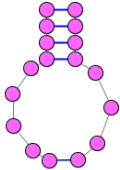
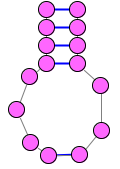
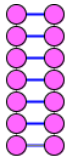
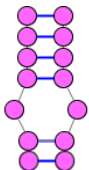
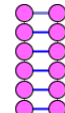
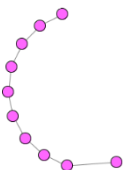
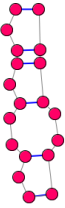
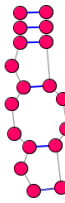
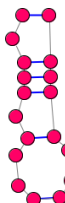
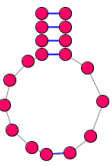
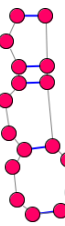
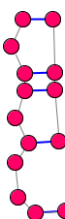


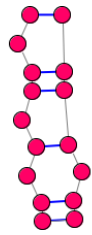
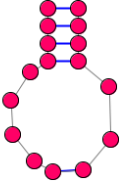
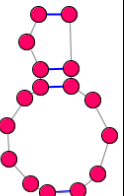
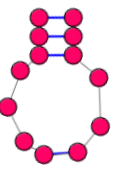
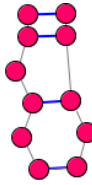
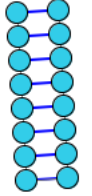
File S2. Number of nucleotides in the LVR L subregions of the analysed species, with the assignment to the spermathecal types and facies recovered in the family Cydnidae and classified within the higher taxon (family, subfamily, tribe) of the superfamily Pentatomoidea.

Subregion	Number of nucleotides	Secondary structure	Species	Spermathecal type/facies	Higher taxon
L(A)	17 (9+8)		<i>Thaumastella elizabethae</i>	–	Thaumastellidae
			<i>Garsauria aradoides</i>	garsaurinae type	Cydnidae: Garsaurinae
	15 (8+7)		<i>Cyrtomenus emarginatus</i> <i>Rhytidoporus indentatus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
	14 (7+7)		<i>Amaurocoris curtus</i>	amaurocorinae type	Cydnidae: Amaurocorinae
			<i>Thyreocoris scarabaeoides</i>	–	Thyreocoridae
			<i>Stibaropus indonesicus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cephalocteinae
			<i>Fromundus pygmaeus</i> <i>Macroscytus badius</i>		Cydnidae: Cydninae: Geotomini
			<i>Adrisa romani</i>	'cydnoid' type / adrisan facies	
			<i>Pseudoscoparipes fraterculus</i>	'cydnoid' type / scoparipan facies	
			<i>Cydnus aterrimus</i> <i>Chilocoris piceus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini
	12 (6+6)		<i>Ochetostethomorpha secunda</i>	'cydnoid' type / ochetostethan facies	Cydnidae: Sehirinae: Sehirini
			<i>Adomerus biguttatus</i>	'cydnoid' type / sehiran facies	Cydnidae: Sehirinae: Sehirini
			<i>Parastrachia japonensis</i>	–	Parastrachiidae
	11 (10+1)		<i>Amnestus zacki</i>	amnestinae type	Cydnidae: Amnestinae

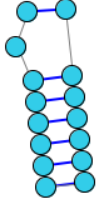
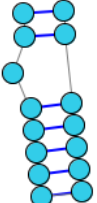
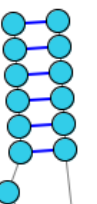
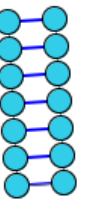
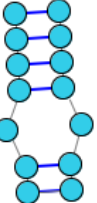
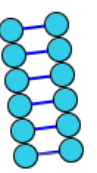
File S2. Number of nucleotides in the LVR L subregions of the analysed species, with the assignment to the spermathecal types and facies recovered in the family Cydnidae and classified within the higher taxon (family, subfamily, tribe) of the superfamily Pentatomoidea.

L(B)	19 (11+8)		<i>Macroscytus badius</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
	18 (10+8)		<i>Cyrtomenus emarginatus</i> <i>Rhytidoporus indentatus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
			<i>Adomerus biguttatus</i>	'cydnoid' type / sehiran facies	Cydnidae: Sehirinae: Sehirini
			<i>Parastrachia japonensis</i>	–	Parastrachiidae
			<i>Ochetostethomorpha secunda</i>	'cydnoid' type / ochetostethan facies	Cydnidae: Sehirinae: Sehirini
	17 (10+7)		<i>Thyreocoris scarabaeoides</i>	–	Thyreocoridae
	16 (9+7)		<i>Fromundus pygmaeus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
			<i>Adrisa romani</i>	'cydnoid' type / adrisan facies	
			<i>Pseudoscoparipes fraterculus</i>	'cydnoid' type / scoparipan facies	
			<i>Cydnus aterrimus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini

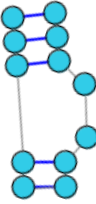
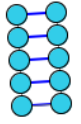
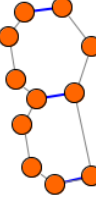
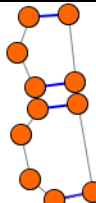
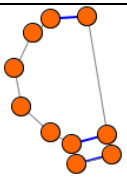
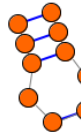
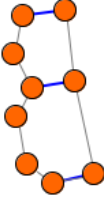
File S2. Number of nucleotides in the LVR L subregions of the analysed species, with the assignment to the spermathecal types and facies recovered in the family Cydnidae and classified within the higher taxon (family, subfamily, tribe) of the superfamily Pentatomoidea.

L(B)	16 (9+7)	 7	<i>Stibaropus indonesicus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cephalocteinae
		 8	<i>Chilocoris piceus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini
		 9	<i>Amaurocoris curtus</i>	amaurocorinae type	Cydnidae: Amaurocorinae
	13 (7+6)	 10	<i>Amnestus zacki</i>	amnestinae type	Cydnidae: Amnestinae
	11 (6+5)	 11	<i>Garsauria aradoides</i>	garsaurinae type	Cydnidae: Garsaurinae
L(C)	16 (8+8)	 1	<i>Thaumastella elizabethae</i>	–	Thaumastellidae
	15 (8+7)		<i>Stibaropus indonesicus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cephalocteinae

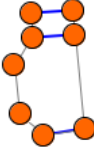
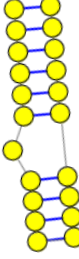
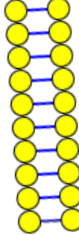
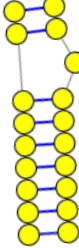
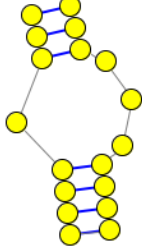
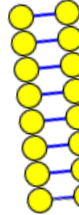
File S2. Number of nucleotides in the LVR L subregions of the analysed species, with the assignment to the spermathecal types and facies recovered in the family Cydnidae and classified within the higher taxon (family, subfamily, tribe) of the superfamily Pentatomoidea.

L(C)	15 (8+7)		<i>Fromundus pygmaeus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
		3			
			<i>Garsauria aradoides</i>	garsaurinae type	Cydnidae: Garsaurinae
		4			
			<i>Chilocoris piceus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini
		5			
	14 (7+7)		<i>Adrisa romani</i>	'cydnoid' type / adrisan facies	Cydnidae: Cydninae: Geotomini
			<i>Pseudoscoparipes fraterculus</i>	'cydnoid' type / scoparipan facies	
			<i>Adomerus buguttatus</i>	'cydnoid' type / sehiran facies	Cydnidae: Sehirinae: Sehirini
			<i>Parastrachia japonensis</i>	–	Parastrachiidae
			<i>Thyreocoris scarabaeoides</i>	–	Thyreocoridae
		6			
			<i>Ochetostethomorpha secunda</i>	'cydnoid' type / ochetostethan facies	Cydnidae: Sehirinae: Sehirini
		7			
	12 (6+6)		<i>Cyrtomenus emarginatus</i> <i>Macroscytus badius</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
			<i>Amaurocoris curtus</i>	amaurocorinae type	Cydnidae: Amaurocorinae
		8			

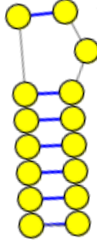
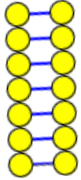




File S2. Number of nucleotides in the LVR L subregions of the analysed species, with the assignment to the spermathecal types and facies recovered in the family Cydnidae and classified within the higher taxon (family, subfamily, tribe) of the superfamily Pentatomoidea.

LC	12 (5+7)		<i>Amnestus zacki</i>	amnestinae type	Cydnidae: Amnestinae
	10 (5+5)		<i>Rhytidoporus indentatus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
			<i>Cydnus aterrimus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini
L(D)	11 (7+4)		<i>Rhytidoporus indentatus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cydninae: Geotomini
	11 (7+4)		<i>Amaurocoris curtus</i>	amaurocorinae type	Cydnidae: Amaurocorinae
			<i>Chilocoris piceus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini
	10 (7+3)		<i>Garsauria aradoides</i>	garsaurinae type	Cydnidae: Garsaurinae
			<i>Cydnus aterrimus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini
	10 (5+5)		<i>Amnestus zacki</i>	amnestinae type	Cydnidae: Amnestinae
	9 (6+3)		<i>Stibaropus indonesicus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cephalocteinae
			<i>Fromundus pygmaeus</i>		Cydnidae: Cydninae: Geotomini
			<i>Macroscytus badius</i>		
			<i>Cyrtomenus emarginatus</i>		
			<i>Adrisa romani</i>	'cydnoid' type / adrisan facies	Cydnidae: Cydninae: Geotomini
			<i>Pseudoscoparipes fraterculus</i>	'cydnoid' type / scoparipan facies	
			<i>Ochetostethomorpha secunda</i>	'cydnoid' type / ochetostethan facies	
			<i>Adomerus biguttatus</i>	'cydnoid' type / sehiran facies	
			<i>Parastrachia japonensis</i>	–	Parastrachiidae
			<i>Thyreocoris scarabaeoides</i>	–	Thyreocoridae

File S2. Number of nucleotides in the LVR L subregions of the analysed species, with the assignment to the spermathecal types and facies recovered in the family Cydnidae and classified within the higher taxon (family, subfamily, tribe) of the superfamily Pentatomoidea.

L(D)	8 (5+3)	 6	<i>Thaumastella elizabethae</i>	–	Thaumastellidae
L(E)	21 (11+10)	 1	<i>Amnestus zacki</i>	amnestinae type	Cydnidae: Amnestinae
	20 (10+10)	 2	<i>Thaumastella elizabethae</i>	–	Thaumastellidae
	19 (9+10)	 3	<i>Cydnus aterrimus</i>	‘cydnoid’ type / cydnan facies	Cydnidae: Cydninae: Cydnini
	18 (8+10)	 4	<i>Chilocoris piceus</i>	‘cydnoid’ type / cydnan facies	Cydnidae: Cydninae: Cydnini
	16 (8+8)	 5	<i>Stibaropus indonesicus</i>	‘cydnoid’ type / geotoman facies	Cydnidae: Cephalocteinae
			<i>Fromundus pygmaeus</i>		Cydnidae: Cydninae: Geotomini
<i>Macroscytus badius</i>					
<i>Cyrtomenus emarginatus</i>					
<i>Adrisa romani</i>			‘cydnoid’ type / adrisan facies		
<i>Pseudoscoparipes fraterculus</i>			‘cydnoid’ type / scoparipan facies		
<i>Ochetostethomorpha secunda</i>			‘cydnoid’ type / ochetostethan facies	Cydnidae: Sehirinae: Sehirini	

File S2. Number of nucleotides in the LVR L subregions of the analysed species, with the assignment to the spermathecal types and facies recovered in the family Cydnidae and classified within the higher taxon (family, subfamily, tribe) of the superfamily Pentatomoidea.

L(E)	15 (7+8)		<i>Garsauria aradoides</i>	garsaurinae type	Cydnidae: Garsaurinae
	14 (7+7)		<i>Amaurocoris curtus</i>	amaurocorinae type	Cydnidae: Amaurocorinae
			<i>Adomerus biguttatus</i>	'cydnoid' type / sehiran facies	Cydnidae: Sehirinae: Sehirini
			<i>Parastrachia japonensis</i>	–	Parastrachiidae
			<i>Thyreocoris scarabaeoides</i>	–	Thyreocoridae
L2	3		<i>Thaumastella elizabethae</i>	–	Thaumastellidae
	4		<i>Stibaropus indonesicus</i>	'cydnoid' type / geotoman facies	Cydnidae: Cephalocteinae
			<i>Fromundus pygmaeus</i>		Cydnidae: Cydninae: Geotomini
			<i>Macroscytus badius</i>		
			<i>Cyrtomenus emarginatus</i>		
			<i>Rhytidoporus indentatus</i>		
			<i>Adrisa romani</i>	'cydnoid' type / adrisan facies	
			<i>Pseudoscoparipes fraterculus</i>	'cydnoid' type / scoparipan facies	
			<i>Cydnus aterrimus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini
			<i>Ochetostthomorpha secunda</i>	'cydnoid' type / ochetostethan facies	Cydnidae: Sehirinae: Sehirini
	6		<i>Amnestus zacki</i>	amnestinae type	Cydnidae: Amnestinae
			<i>Garsauria aradoides</i>	garsaurinae type	Cydnidae: Garsaurinae
			<i>Amaurocoris curtus</i>	amaurocorinae type	Cydnidae: Amaurocorinae
			<i>Parastrachia japonensis</i>	–	Parastrachiidae
			<i>Adomerus biguttatus</i>	'cydnoid' type / sehiran facies	Cydnidae: Sehirinae: Sehirini
			<i>Thyreocoris scarabaeoides</i>	–	Thyreocoridae
	7		<i>Chilocoris piceus</i>	'cydnoid' type / cydnan facies	Cydnidae: Cydninae: Cydnini