

Additional file 1: Table. Acanthosomatid stinkbug samples used in this study.

Insect species	Collection locality ^a	Collection date	Collector	DNA accession number		
				16S rRNA	groEL	COI
<i>Elasmotethus humeralis</i>	Sapporo, Hokkaido (SP ^b)	1 July 1995	S. Kudo	AB368823		
	Higashitsuno, Kochi (HG ^b)	13 July 2002	M. Takai	AB368825		
	Tsukuba, Ibaraki (TK ^b)	22 October 2002	Y. K	AB368824		AB368840
		14 September 2004 ^c	Y. K			
		11 October 2007 ^d	Y. K			
<i>Elasmotethus nubilus</i>	Kitaibaraki, Ibaraki	14 August 2002	Y. K	AB368822	AB379694	AB368842
	Tsukuba, Ibaraki	14 September 2004 ^c	Y. K			
		11 October 2007 ^d	Y. K			
<i>Elasmotethus brevis</i>	Sapporo, Hokkaido	27 July 1995	S. Kudo	AB368826		AB368841
<i>Lindbergicoris gramineus</i>	Kumakogen, Ehime	22 July 2000	M. Takai	AB368827		AB368843
<i>Elasmucha putoni</i>	Sapporo, Hokkaido	10 June 2003 ^d	S. Kudo			
	Tsukuba, Ibaraki	21 June 2006	T. H	AB368828	AB379695	AB368844
<i>Elasmucha dorsalis</i>	Shintoku, Hokkaido	7 September 2003	S. Kudo	AB368829		AB368845
<i>Elasmucha signoreti</i>	Kumakogen, Ehime	7 July 2002	M. Takai	AB368830		AB368846
<i>Sastragala esakii</i>	Suwa, Nagano (SW ^b)	30 October 2001	Y. K	AB368831		
	Tsukuba, Ibaraki (TK ^b)	22 October 2002	Y. K	AB368832	AB379696	AB368848
<i>Sastragala scutellata</i>	Higashitsuno, Kochi	13 July 2002	M. Takai	AB368833		AB368847

Table S1. Continued.

Insect species	Collection locality	Collection date	Collector	DNA accession number		
				16S rRNA	groEL	COI
<i>Acanthosoma haemorrhoidale</i>	Sapporo, Hokkaido (SP ^b)	29 June 1995	S. Kudo	AB368834		AB368849
	Kumakogen, Ehime (KM ^b)	6 July 2002	M. Takai	AB368835		
<i>Acanthosoma labiduroides</i>	Higashitsuno, Kochi	5 July 2002	M. Takai	AB368836		AB368850
<i>Acanthosoma forficula</i>	Higashitsuno, Kochi	21 July 2002	M. Takai	AB368837		AB368851
<i>Acanthosoma denticaudum</i>	Obihiro, Hokkaido	27 August 1995	S. Kudo	AB368838		AB368852
<i>Acanthosoma giganteum</i>	Nitta, Gunma	4 July 2002	E. Hara	AB368839		AB368853

^a All localities in Japan.

^b Sample name used in figure 3.

^c Subjected to transmission electron microscopy.

^d Subjected to diagnostic PCR analysis.