

Table S2. The incidence of densovirus expressed sequence tags (ESTs) in the Aphidinae EST database*.

Accession No.	Species	E-value	Amino acid identity	Positions in DplDNV genome (nt)	Winged morph specifically mentioned as a source of RNA
EC387312.1	<i>M. persicae</i>	1e-101	61%	1599-2318	winged adult
EX610113.1 [†]	<i>A. pisum</i>	4e-99	71%	1740-2303	winged adult
CV837559.1	<i>A. pisum</i>	6e-75	63%	1857-2303	
DY225272.1	<i>A. pisum</i>	2e-72	79%	1926-2337	
DY226431.1	<i>A. pisum</i>	1e-70	74%	1893-2315	
EC387332.1	<i>M. persicae</i>	2e-62	54%	1524-1884	winged adult
EE571893.1	<i>M. persicae</i>	2e-59	74%	1893-2315	
ES219127.1	<i>M. persicae</i>	2e-40	59%	3790-3368	winged adult
ES223830.1	<i>M. persicae</i>	9e-40	61%	3790-3497	winged adult
DW012927.1	<i>M. persicae</i>	1e-38	46%	1524-1886	
DY224681.1	<i>A. pisum</i>	3e-33	44%	1503-1859	
EE265097.1	<i>M. persicae</i>	2e-32	66%	2061-2318	
EE571584.1	<i>M. persicae</i>	4e-21	41%	2854-2654	
EC387620.1	<i>M. persicae</i>	5e-21	41%	2854-2654	winged adult
EX607716.1	<i>A. pisum</i>	2e-18	85%	1923-2048	winged adult
EC387330.1	<i>M. persicae</i>	2e-18	41%	2854-2654	winged adult
EC387519.1	<i>M. persicae</i>	4e-18	41%	2854-2654	winged adult
ES226611.1	<i>M. persicae</i>	8e-18	31%	834-1238	
EC387126.1	<i>M. persicae</i>	3e-17	57%	3589-3326	winged adult
DY224604.1	<i>A. pisum</i>	3e-17	43%	2917-2654	
DY223558.1	<i>A. pisum</i>	3e-17	43%	2917-2654	
EX644728.1	<i>A. pisum</i>	4e-16	84%	1932-2048	winged adult
ES226797.1	<i>M. persicae</i>	4e-16	58%	2130-2318	
ES226838.1	<i>M. persicae</i>	8e-16	42%	3223-3062	
EX643327.1	<i>A. pisum</i>	4e-14	45%	1023-1253	winged adult
EX607001.1	<i>A. pisum</i>	9e-13	48%	1023-1220	winged adult
EC387277.1	<i>M. persicae</i>	1e-10	41%	2854-2654	winged adult
EC387269.1	<i>M. persicae</i>	1e-10	41%	2854-2654	winged adult
EC387259.1	<i>M. persicae</i>	1e-10	41%	2854-2654	winged adult
EC387110.1	<i>M. persicae</i>	1e-10	41%	2854-2654	winged adult
DW012144.1	<i>M. persicae</i>	3e-09	51%	2788-2654	
ES223280.1	<i>M. persicae</i>	4e-09	38%	2854-2705	winged adult
ES225353.1	<i>M. persicae</i>	4e-05	47%	2761-2651	
DV748353.1	<i>A. pisum</i>	5e-05	44%	1023-1103	
CV848413.1	<i>A. pisum</i>	1e-04	93%	1369-1413	
EX608942.1	<i>A. pisum</i>	2e-04	45%	1023-1121	winged adult

*The search was carried out using TBLASTX web-based tool in 133076 entries of Aphidinae EST database. Genomic sequence of *Dysaphis plantaginea* densovirus, isolate WS-2002 (Gene Bank Accession Number EU851411) was used as the query sequence. Matches were found in ESTs from *Myzus persicae* and *Acyrtosiphon pisum* parthenogenetic females. Only sequences producing significant alignments are shown.

[†] Nucleotide and amino acid sequence alignments of the EST Gene Bank Accession Number EX610113 from winged parthenogenetic female of *A. pisum* with the DplDNV and MpDNV sequences are presented in Fig. S3.