

Bulletin of Insectology Supplemental Material

Title: **Presence of *Apis mellifera* pathogens in different developmental stages of wild Hymenoptera species**

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<i>M. sculpturalis</i>	1	AGTTGTCATGGTTAACAGGATACGAGCGATTTCCTGGGATCGATTTGCTCGTGCTTCGATCAAACCTCTGATGAAAGAT
Prepupae		-----
<i>M. sculpturalis</i>		-----
Pupae		-----
<i>M. sculpturalis</i>		-----
Pre-emerged adult		-----
<i>M. sculpturalis</i>		-----
Newly emerged adult		-----
<i>M. sculpturalis</i>		-----
Free-ranging adults		-----
<i>M. sculpturalis</i>	81	CTCTTACGGTCGAACTGAGGTTCTTACTCGACTTTCCTTACACACCTAACTCCTCACAACGACAATCACAATCAGCGGGCCA
Prepupae		-----
<i>M. sculpturalis</i>		-----
Pupae		-----
<i>M. sculpturalis</i>		-----
Pre-emerged adult		-----
<i>M. sculpturalis</i>		-----
Newly emerged adult		-----
<i>M. sculpturalis</i>		-----
Free-ranging adults		-----
	161	ACCAATTGTTTCATCGCGTTTATGCTTTACACCCTTACCAACGTTGGTGTAGTAGATTTGGTACCCACTACAAGCGTGAAG
<i>M. sculpturalis</i>		-----
Prepupae		-----
<i>M. sculpturalis</i>		-----
Pupae		-----
<i>M. sculpturalis</i>		-----
Pre-emerged adult		-----
<i>M. sculpturalis</i>		-----
Newly emerged adult		-----
<i>M. sculpturalis</i>		-----
Free-ranging adults		-----
<i>M. sculpturalis</i>	242	GTACTCGTTGCTCAGGTGACCCCTCACACCTCCATCGGCAACGATTTCATCAACGCATTCATTATCTGCTCTGCTTCGCA
Prepupae		-----
<i>M. sculpturalis</i>		-----
Pupae		-----
<i>M. sculpturalis</i>		-----
Pre-emerged adult		-----
<i>M. sculpturalis</i>		-----
Newly emerged adult		-----
<i>M. sculpturalis</i>		-----
Free-ranging adults		-----
<i>M. sculpturalis</i>	323	AACTGCCCAACAATAGTTGGCAGTCTGCCGTATCATGAGGGTGACGACGGTATCGTGGCTTCCGCGCTAACGTCGTTA
Prepupae		-----
<i>M. sculpturalis</i>		-----
Pupae		-----
<i>M. sculpturalis</i>		-----
Pre-emerged adult		-----
<i>M. sculpturalis</i>		-----
Newly emerged adult		-----
<i>M. sculpturalis</i>		-----
Free-ranging adults		-----
<i>M. sculpturalis</i>	402	ATCAGGTGCGAGTACAACCTCAAATTTCTCTTGTCTCGGCTTTCGTGCTAAGCCAATTAGA
Prepupae		-----
<i>M. sculpturalis</i>		-----
Pupae		-----
<i>M. sculpturalis</i>		-----
Pre-emerged adult		-----
<i>M. sculpturalis</i>		-----
Newly emerged adult		-----
<i>M. sculpturalis</i>		-----
Free-ranging adults		-----

Figure S1. Sequence homology of *RNA polymerase* gene amplified from the replicative CBPV found in all stages of *Megachile sculpturalis*.

<i>M. sculpturalis</i>	1	AGTTGTCATGGTTAACAGGATACGAGCGATTTCTTGGGATCGATTCGCTCGTGGCTTCGATCAAACCTCTGATGAAAGAT
<i>H. truncorum</i>		-----
<i>Ancistrocerus</i> sp.		-----
<i>M. sculpturalis</i>	81	CTCTTACGGTCGAACTGAGGTTCTTACTCGACTTTCCTTACACACCTAATCCTCACAACGACAATCACAATCAGCGGGCCA
<i>H. truncorum</i>		-----
<i>Ancistrocerus</i> sp.		-----
<i>M. sculpturalis</i>	161	ACCAATTGTTTCATCGCGTTTATGCTTTACACCCTTACCAACGTTGGTGTAGTAGATTGGTACCCACTACAAGCGTGAAG
<i>H. truncorum</i>		-----
<i>Ancistrocerus</i> sp.		-----
<i>M. sculpturalis</i>	242	GTACTCGTTGCTCAGGTGACCCTCACACCTCCATCGGCAACGGATTATCAACGCATTATTATCTGGCTCTGTCTTCGCA
<i>H. truncorum</i>		-----
<i>Ancistrocerus</i> sp.		-----
<i>M. sculpturalis</i>	323	AACTGCCACCAATAGTTGGCAGTCTGCCGTATCATGAGGGTGACGACGGTATCGTCGGCTTGCGCGCTAACGTCGTTA
<i>H. truncorum</i>		-----
<i>Ancistrocerus</i> sp.		-----
<i>M. sculpturalis</i>	402	ATCAGGTCGAGTACAACCTCAAATTTCTCTTGTCTCGGCTTTCGTGCTAAGCCAATTAGA
<i>H. truncorum</i>		-----
<i>Ancistrocerus</i> sp.		-----

Figure S2. Sequence homology of *RNA polymerase* gene amplified from the replicative CBPV found in *Megachile sculpturalis*, *Heriades truncorum* and *Ancistrocerus* sp.