

Supplementary Materials: Proteo-Transcriptomic Characterization of *Sirex nitobei* (Hymenoptera: Siricidae) Venom

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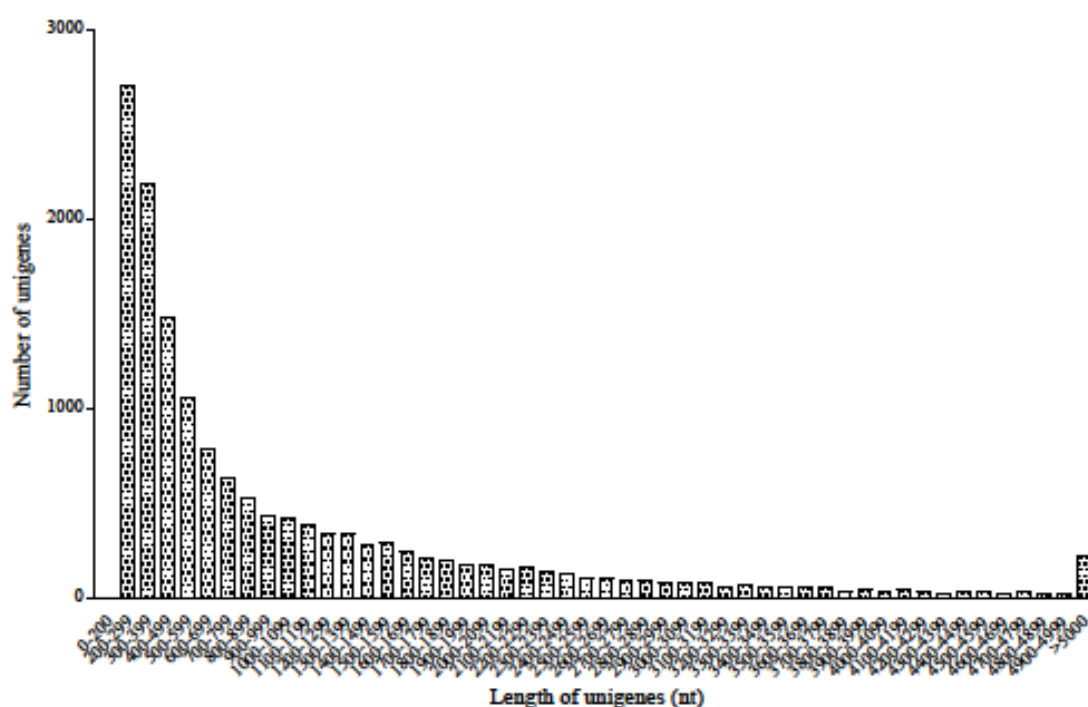


Figure S1. The unigene length distribution of the venom glands of *S. nitobei*.

Table S5. Primers used for qRT-PCR analysis of selected venom components.

Primer	Sequence
Laccase-2	F: ATCCTGGCGATTGGTTGCTTCATT R: TGGCGGTAATGCCGGTACGT
Laccase-3	F: GACGATTCACTGGCACGGCATT R: GCGTTGGAGTGGTCTCATTGG
Serine protease inhibitor Kazal-type 4-like	F: GCACATCTCAGCATTCCTTCATTCCG R: TCTCGTATCCTTGGCGGTTGGT
Chitooligosaccharidolytic beta-N-acetylglucosaminidase	F: AGTGTAACCTTCGCCACCAAGAACAA R: CCTCTACGGACGCTACCATTGCTA
Beta-galactosidase	F: ACTGTATTGCGGTCCACTGTTAGC R: AAGCCTGCGACACGAAGTATATGG
Icarapin	F: GTGCCATGAACAGACTCAGAGAACA R: TCCGTCACATCCTAAGCAGTCAGAG
WAP four-disulfide core domain protein 2	F: GAACAATCGCCAGTGCATCATCCT R: TGTATCCACCATCGTCTCCGAAGTT
Ejaculatory bulb-specific protein 3	F: TGACCTTCTCACTGCCTGCTCTC R: CGAACGCCTGCTCAAGAACTATGT
60S ribosomal protein (housekeeping gene)	F: TTCGTGTACGGCGTTGTGTTCTT R: TGTTGTACCTGGAGCCATGAGAGT

Table S7. Identification information of analysis by LC-MS/MS.

Total Spectrum	Identified Spectrum	Peptide Number	Protein number
45842	11823	6762	1095

Table S8. One-way ANOVA of ΔC_t values recorded in: females without venom glands, males and venom glands.

Transcript	F	Significance
Laccase-2	$F_{2,6}=156.7$	$p < 0.0001$
Serine protease inhibitor Kazal-type 4-like	$F_{2,6}=30.34$	$p < 0.001$
Chitooligosaccharidolytic beta-N-acetylglucosaminidase	$F_{2,6}=53.63$	$p < 0.001$
Beta-galactosidase	$F_{2,6}=352.3$	$p < 0.0001$
Icarapin	$F_{2,6}=485.4$	$p < 0.0001$
WAP four-disulfide core domain protein 2	$F_{2,6}=50.31$	$p < 0.001$
Ejaculatory bulb-specific protein 3	$F_{2,6}=584.7$	$p < 0.0001$