

Supplementary Materials: First Characterization of The Venom from *Apis mellifera syriaca*, A Honeybee from The Middle East Region

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Table S1. Experimental molecular weights (Da) obtained by ESI-MS analysis of the *A. mellifera syriaca* venom eluted from HPLC. In red, molecular weight of compounds already described in BV (apamin, melittin, PLA2, hyaluronidase and MCD peptide). Shown are the increasing MWs (top to bottom and left to right). See text for details.

487.2 (<i>Mr</i> + 1 <i>H</i> ⁺)	994.2 (<i>Mr</i> + 1 <i>H</i> ⁺)	643.8 (<i>Mr</i> + 2 <i>H</i> ⁺)	1000.9 (<i>Mr</i> + 2 <i>H</i> ⁺)	1422.7 (<i>Mr</i> + 2<i>H</i>⁺)
590.2 (<i>Mr</i> + 1 <i>H</i> ⁺)	1097.2 (<i>Mr</i> + 1 <i>H</i> ⁺)	1323.5 (<i>Mr</i> + 1 <i>H</i> ⁺)	1001.8 (<i>Mr</i> + 2 <i>H</i> ⁺)	1493.4 (<i>Mr</i> + 2 <i>H</i> ⁺)
608.9 (<i>Mr</i> + 1 <i>H</i> ⁺)	1105.8 (<i>Mr</i> + 1 <i>H</i> ⁺)	749.5 (<i>Mr</i> + 2 <i>H</i> ⁺)	1013.5 (<i>Mr</i> + 2<i>H</i>⁺)	1578.5 (<i>Mr</i> + 2 <i>H</i> ⁺)
697.8 (<i>Mr</i> + 1 <i>H</i> ⁺)	558.2 (<i>Mr</i> + 2 <i>H</i> ⁺)	778.3 (<i>Mr</i> + 2 <i>H</i> ⁺)	1169.1 (<i>Mr</i> + 2 <i>H</i> ⁺)	1587 (<i>Mr</i> + 2 <i>H</i> ⁺)
884.8 (<i>Mr</i> + 1 <i>H</i> ⁺)	1170.9 (<i>Mr</i> + 1 <i>H</i> ⁺)	792 (<i>Mr</i> + 2 <i>H</i> ⁺)	1225.2 (<i>Mr</i> + 2 <i>H</i> ⁺)	1896.4 (<i>Mr</i> + 2 <i>H</i> ⁺)
898.5 (<i>Mr</i> + 1 <i>H</i> ⁺)	591.4 (<i>Mr</i> + 2 <i>H</i> ⁺)	802.6 (<i>Mr</i> + 2 <i>H</i> ⁺)	1256.2 (<i>Mr</i> + 2 <i>H</i> ⁺)	951.4 (<i>Mr</i> + 12 <i>H</i> ⁺)
943.7 (<i>Mr</i> + 1 <i>H</i> ⁺)	587.4 (<i>Mr</i> + 2 <i>H</i> ⁺)	1640 (<i>Mr</i> + 1 <i>H</i> ⁺)	1299.9 (<i>Mr</i> + 2<i>H</i>⁺)	1896.4 (<i>Mr</i> + 10<i>H</i>⁺)
958.2 (<i>Mr</i> + 1 <i>H</i> ⁺)	609.5 (<i>Mr</i> + 2 <i>H</i> ⁺)	995 (<i>Mr</i> + 2 <i>H</i> ⁺)	1353 (<i>Mr</i> + 2 <i>H</i> ⁺)	2565.5 (<i>Mr</i> + 21<i>H</i>⁺)

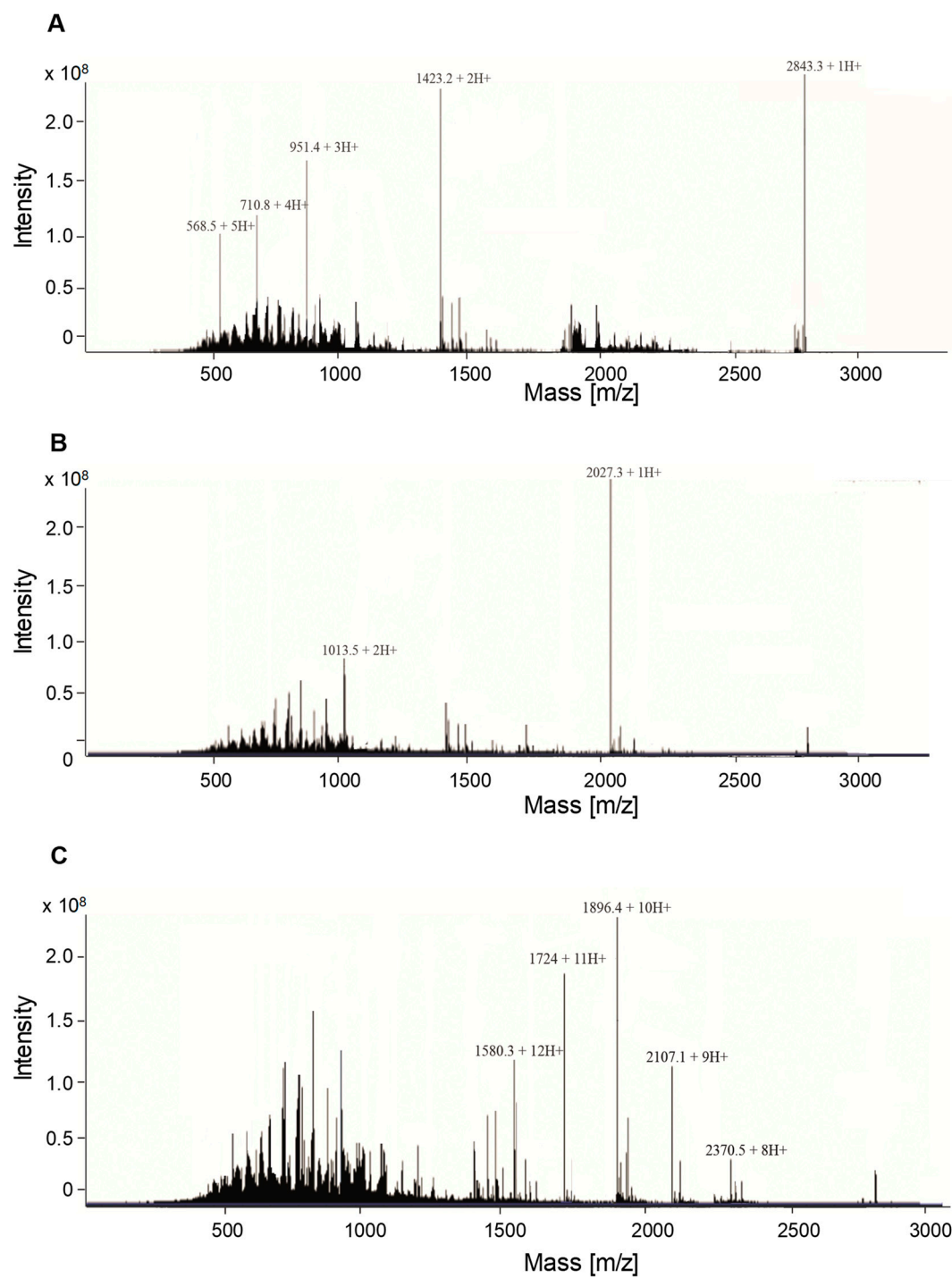


Figure S1. High resolution mass spectra of melittin, apamin and PLA2 obtained from the venom of *A. mellifera syriaca*. (A) melittin. (B) apamin. (C) PLA2.