Supplementary Material

#  Supplementary Figures

**Supplementary Figure 1.** Reversed-phase high-performance liquid chromatography (RP-HPLC) analysis of synthesized antimicrobial peptide ToAP2A purity.

**Supplementary Figure 2.** Electrospray ionization mass spectrometry( ESI-MS) analysis of **s**ynthesized antimicrobial peptide ToAP2A purity.

**Supplementary Figure 3.** RP-HPLC analysis of synthesized antimicrobial peptide ToAP2C purity.

**Supplementary Figure 4.** ESI-MS analysis of **s**ynthesized antimicrobial peptide ToAP2C purity.