

**Figure S3.** A phylogenetic analysis of the representative AMP precursors, CrusEs, from both crustaceans. The bootstrap test employed 1,000 replicates, and the numbers next to branches were replicate percentage of taxa clustering [22]. Corresponding amino acid sequences were analyzed in MEGA7 [23]. The CrusE sequence of Chinese mitten crab (*Eriocheir sinensis*; APD ID: AP01555) was used as an out-group. Please note that these data are corresponding to those in the Figure 7, using the same potein sequnces for detailed analysis.