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Bioinformatics characterization of a *cathepsin B* transcript from the giant river prawn, *Macrobrachium rosenbergii*: homology modeling and expression analysis after *Aeromonas hydrophila* infection

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Running title: Characterization and expression of *CTSB* transcript in *M. rosenbergii*

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Abstract

Cathepsin B is a lysosomal proteolytic enzyme that has been suggested to play a role in pathological processes of immune system. In this study, the full-length cDNA sequence of *cathepsin B* transcript in the giant river prawn *Macrobrachium rosenbergii* (*MrCTSB*) was

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