



Isolation and characterization of polymorphic microsatellite loci in the ridgetail white prawn *Exopalaemon carinicauda*

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ABSTRACT. The ridgetail white prawn *Exopalaemon carinicauda* is one of the major economic shrimp species cultured in China. In this study, 30 microsatellite loci were isolated and characterized for the ridgetail white prawn *E. carinicauda* using a microsatellite-enriched library. Polymorphisms were tested in 30 individuals from a single wild population. The number of alleles at each locus ranged from 2 to 14. The observed and expected heterozygosities varied from 0.1000 to 0.8000 and from 0.2299 to 0.9228, respectively. The PIC value ranged from 0.2002 to 0.8939. These new loci will be useful in the study of population genetic structure and genetic diversity in this species.

Key words: *Exopalaemon carinicauda*; Enriched library; Microsatellites