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Isolation and characterization of novel polymorphic microsatellite loci in *Perinereis aibuhitensis*

Y. Liu, D. Yu, Q. Wang, H. Liu, S. Guan and M. Liu

Marine Biology Institute of Shandong Province, Qingdao, Shandong, China

Corresponding author: M. Liu
E-mail: mliu@hsrl.rutgers.edu

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ABSTRACT. *Perinereis aibuhitensis* is a commercially and ecologically important intertidal worm. In this study, eight polymorphic microsatellite loci were isolated in this species for the first time, and a wild population was used to estimate the properties of these loci. The number of alleles per locus ranged from 6 to 20, and the observed and expected heterozygosities ranged from 0.375 to 0.875 and from 0.590 to 0.946, respectively. These microsatellite loci will act as effective markers for related *P. aibuhitensis* studies, and the data will be helpful for the rational exploitation and conservation of this species.

Key words: *Perinereis aibuhitensis*; Microsatellite loci; Polymorphism

