



Short Communication

Isolation and characterization of microsatellite loci in the purpleback flying squid (*Sthenoteuthis oualaniensis*)

L. Lin^{1,2}, P. Li^{1,3}, Z.Z. Chen^{1,2}, Y.Y. Xiao^{1,2}, S.N. Xu^{1,2}, Y. Liu^{1,2} and C.H. Li^{1,2}

¹Key Laboratory for Exploitation and Utilization of Marine Fisheries Resources in the South China Sea, Ministry of Agriculture, Guangzhou, China

²South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, Guangzhou, China

³School of Fisheries and Life Science, Shanghai Ocean University, Shanghai, China

Corresponding author: C.H. Li
E-mail: scslch@vip.163.com

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ABSTRACT. The purpleback flying squid (*Sthenoteuthis oualaniensis*) is a pelagic squid with tremendous potential for commercial exploitation. We isolated and characterized 21 polymorphic microsatellite loci for *S. oualaniensis* using a (GT)₁₃-enriched genomic library. The number of alleles per locus varied from 6 to 32. The observed and expected heterozygosities ranged from 0.188 to 0.890, and 0.537 to 0.968, respectively. No significant linkage disequilibrium was detected at these loci. Five loci significantly deviated from the Hardy-Weinberg equilibrium, and four loci may have exhibited null alleles. These microsatellite markers will facilitate

further studies in population genetics and the sustainable utilization of *S. oualaniensis*.

Key words: Purpleback flying squid; *Sthenoteuthis oualaniensis*; Population genetics; Microsatellite