



# Isolation of new polymorphic microsatellite markers from the marbled rockfish *Sebastes marmoratus*

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**ABSTRACT.** The marbled rockfish, *Sebastes marmoratus*, is an important commercially near-shore fish that inhabits the beach rocky bottom from Japan to the South China Sea. Eleven polymorphic microsatellite loci were developed from *S. marmoratus* and were used to identify polymorphisms in 30 samples from a wild population. The allele locus number ranged from 2 to 7. Polymorphism data content ranged from 0.032 to 0.751. The observed and expected heterozygosity levels were 0.0333-0.9667 and 0.0328-0.7675, respectively. Two loci, Smd1-112 and Smd2-80, deviated from Hardy-Weinberg equilibrium. These polymorphic microsatellite markers will facilitate further studies of genetic diversity and genetic differentiation of *S. marmoratus*.

**Key words:** Genetic markers; Microsatellite; *Sebastes marmoratus*; Conservation resources