



Short Communication

Isolation and characterization of microsatellite markers for the Korean rockfish, *Sebastes schlegeli*

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ABSTRACT. The Korean rockfish (*Sebastes schlegeli*) is an important commercial fish that is widely used in aquaculture. We isolated and characterized 18 polymorphic microsatellite loci from the Korean rockfish using a (GT)₁₅-enriched genomic library. Polymorphism was assessed in 48 individuals from a single population collected from the northern coastal waters of the Yellow Sea. The observed and expected heterozygosities ranged from 0.0244 to 0.7660 (mean 0.4194) and 0.0244 to 0.8758 (mean 0.5002), respectively. Polymorphism at these loci indicated from two to 15 alleles (mean 5.7); 14 of 18 loci conformed to Hardy-Weinberg equilibrium. These markers should be useful for management and conservation studies of this species.

Key words: Korean rockfish; *Sebastes schlegeli*; Genetic structure; Microsatellite loci