



Isolation and characterization of 16 microsatellite loci in marble goby (*Oxyeleotris marmoratus*)

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ABSTRACT. A microsatellite-enriched genomic library for marble goby (*Oxyeleotris marmoratus*), a freshwater fish of considerable economic value, was obtained. A total of 16 microsatellite markers were successfully isolated and characterized in a population from the Mekong River in Vietnam. These markers had 2-20 alleles with expected heterozygosity ranging from 0.0370 to 0.8927. Linkage equilibrium was observed in most loci, and only 1 locus revealed a significant deviation from Hardy-Weinberg equilibrium. These microsatellite markers will be useful for genetic diversity and molecular marker-assisted selection studies of wild and farmed *O. marmoratus*.

Key words: *Oxyeleotris marmoratus*; Microsatellite loci; Magnetic-bead enrichment