



Development and characterization of microsatellite loci in *Megalonibea fusca*

Z.B. Li^{1,2}, Q.H. Li^{1,2}, Y.F. Ning^{1,2}, J.B. Shangguan^{1,2}, G. Dai^{1,2}, L.N. Chen^{1,2}, Y.Y. Cao^{1,2} and X.J. Chen^{1,2}

¹Fisheries College, Jimei University, Xiamen, China

²Fujian Provincial Key Laboratory of Marine Fishery Resources and Eco-Environment, Xiamen, China

Corresponding author: Z.B. Li

E-mail: lizhongbao@jmu.edu.cn

Genet. Mol. Res. 14 (2): 4633-4636 (2015)

Received July 23, 2014

Accepted December 10, 2014

Published May 4, 2015

DOI <http://dx.doi.org/10.4238/2015.May.4.22>

ABSTRACT. *Megalonibea fusca* is a commercially important large edible fish. In this study, the first set of 10 polymorphic microsatellite loci for *M. fusca* was developed and characterized. The number of alleles per locus ranged from two to five, with the observed and expected heterozygosities ranging from 0.0667 to 0.7667, and from 0.0644 to 0.5828, respectively. Most of the loci were in Hardy-Weinberg equilibrium ($P > 0.05$), except for two loci (Mf25 and Mf30) after a Bonferroni's correction ($P < 0.005$). These informative microsatellite markers will be useful in further studies of the population and conservation genetics of this species.

Key words: *Megalonibea fusca*; Magnetic bead enrichment; Microsatellite; Genetic markers