



## Development of polymorphic expressed sequence tag-single sequence repeat markers in the common Chinese cuttlefish, *Sepiella maindroni*

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**ABSTRACT.** The common Chinese cuttlefish (*Sepiella maindroni*) is one of the popular edible cephalopod consumed across Asia. To facilitate the population genetic investigation of this species, we developed fourteen polymorphic microsatellite makers from expressed sequence tags of *S. maindroni*. The number of alleles at each locus ranged from 6 to 10 with an average of 7.9 alleles per locus. The ranges of observed and expected heterozygosity were from 0.615 to 0.962 and 0.685 to 0.888, respectively. Four loci were found deviated significantly from Hardy-Weinberg equilibrium. The polymorphism information content ranged from 0.638 to 0.833. These polymorphic microsatellite loci will be helpful for the population genetic, genetic linkage map, and other genetic studies of *S. maindroni*.

**Key words:** Expressed sequence tag; Microsatellite marker; Common Chinese cuttlefish; *Sepiella maindroni*