

Isolation and characterization of ten microsatellite loci in the catfish *Trichomycterus areolatus* (Siluriformes: Trichomycteridae), with cross-amplification in seven Trichomycterinae species

Muñoz-Rojas, Pablo

Quezada-Romegialli, Claudio

Véliz, David

A total of ten microsatellite loci were isolated and characterized in the endangered freshwater catfish *Trichomycterus areolatus* from Chile. Samples from three separate watersheds were also analyzed. The mean number of alleles per locus in a sample of 63 individuals was 4 (1-13 alleles per locus) and the observed heterozygosities ranged from 0 to 0.83. Hardy-Weinberg equilibrium was observed in all loci except for a few isolated cases, while none of the loci exhibited significant linkage disequilibrium. Cross-amplification analysis showed a low number of loci and alleles amplified in other seven species of the Family Trichomycteridae. © 2011 Springer

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