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Artificial hybridization of Japanese and European eel (*Anguilla japonica* × *A. anguilla*) by using cryopreserved sperm from freshwater reared males

Abstract

Eggs of Japanese eel (*Anguilla anguilla*) were fertilized with cryopreserved sperm of European eel (*A. anguilla*) obtained from fish reared and matured in freshwater conditions.

A new genomic PCR-RFLP marker was developed to distinguish the two species and detect maternally and paternally derived DNA fragments to genetically verify the hybrid nature of the offspring.