

SILVA VALLE, MAYRA ZELENA. 2010. Evaluación de marcadores nucleares por EPIC-PCR y amplificación cruzada para estudios poblacionales en *Merluccius gayi peruanus* en el mar peruano.

ABSTRACT

Peruvian hake *Merluccius gayi peruanus* is a demersal species of great economic importance, necessarily must make such research in order to better understand the resource and to have better parameters and facilitate the best use. For the Peruvian hake, it has little information about the population genetic component. Due to the lack of this information, the purpose of this study was to characterize genetically the population of *Merluccius gayi peruanus* (period May. 2002) using intronic nuclear markers: AldoC1 (AldolasaC intron 1), CK7 (Creatine Kinase intron 7), GH5 (Growth hormone intron 5) and microsatellites (MMer-hk9b). The strategies used were EPIC-PCR and cross-amplification. The statistical analysis in this investigation showed that the populations studied, as a single hake population structure