

Identification of microsatellite sequence in the chinchilla's genome
(*Chinchilla lanigera* Molina, 1782)

S u m m a r y

The purpose of the study was the identification of microsatellite loci in *Chinchilla lanigera* genome. The results obtained from the research indicate that six from the twenty examined microsatellite loci did not undergo amplification in chinchilla. Two markers were not considered on the basis of the criteria of peak qualities on the electrophoregrams obtained. The conditions of Polymerase Chain Reaction as well as composition of reactionary mixture of other microsatellite loci were established. The amplification of 12 microsatellite sequences proved the possibility of their utilization in the investigations of *Chinchilla lanigera* genome. Identification of genetic markers in chinchilla can be useful for estimation of the genetic variability and allow the evaluation of usefulness of the studied DNA sequences for the quality control of chinchilla utility and functional traits.