



STUDY OF GENETIC DIVERSITY IN SYRIAN MOUNTAIN GOAT BY USING (SNPs)

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ABSTRACT

Mountain goat in Syria is one of important domestic animals, because its characters can produce and reproduce under the hard environmental conditions, it was used in crossbreeding with Syrian goat as a donor to acclimatization and resistance of diseases traits.

In spite of that, this animal is still faraway from the scientific search, Moreover, it was exposed to random crossbreeding with Shami Goat by goat

breeders, of which will lead in a long time to loss an important domestic animal genetic source, some of its characterizes were not detected.

In this search, the genetic diversity among samples of pure mountain goat that exist in Era Station Search in AL-Sowidaa by using (SNP-PCR) was studied.

The results indicated that this technique is successful for defining the genetic similarity and variance among samples of goats that under study, Moreover, the locations of some important genes were discovered, and that will help us in starting of genetic mapping for this economic animal.

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