

## **DIFFERENT TYPES OF SHEEP BREEDS IN ALGERIA : FURTHER MOLECULAR CHARACTERIZATIONS**

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In order to get a better management of domestic animal production and to define a global strategy for conservation of Algerian sheep breeds, the first step is to know of their genetic variability direct analysis of their genome at the molecular level. In this study, we have realized phenotypical identification of the following local breeds: Hamra, Ouled-Djellal, Rembi, Taâdmit, Sidaou, D'men and Berbere, and obtained their current relative proportions. These data allowed to establish a new geographical distribution of these breeds. Currently, we are collecting bloods from unrelated sheeps of each breed and extracting their DNAs. They will be studied using microsatellites listed by FAO and PCR-SSCP method which has been, previously used in our laboratory, in the framework of a preliminary study on DNAs from two breeds Hamra and Ouled-Djellal. Our aim is to evaluate biodiversity and genetic relationships between these breeds.