

## Genetic Variation of Shvicezebuvides Cattle in Tajikistan Based on Microsatellite Markers

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**Abstract :** The genetic variation of Shvicezebuvides cattle from three different farms in the Tajikistan Republic was studied using 10 microsatellite markers (SSR). The trials were laid out using a multi-locus analysis system for the analysis of cattle microsatellite locus. An estimated genetic variability of the examined livestock is given in the article. The results of our SSR analysis as well as the numbers and frequencies of common alleles in studied samples, we established a high genetic similarity of studied samples. These results can also be furthermore useful in the decision making for preservation and rational genetic resources usage of the Tajik Shvicezebuvides cattle.

**Keywords :** genetic characteristic, frequencies of the occurrence alleles, microsatellite markers, Swiss cattle

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