

Molecular characterization of the sicilian goat populations

The Sicilian goats are characterized by a strong population admixture structure, caused by geographical location of the farms, influences of natural mating and traditional breeding systems where flock represents an important breeding unit. Nowadays, several local populations are reared in Sicily, some of which do not have a recognized defined genetic structure, having taken origin from several crosses between animals of different breeds/populations sharing the same environment. The aim of this work was to characterize the Sicilian autochthonous goat populations using microsatellite markers and genetic polymorphisms of casein genes.

Salvatore Mastrangelo

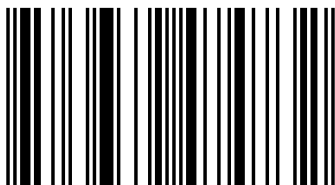
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Girgentana and Mascaruna dairy goat breeds



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