

Table S1. Short description of the five studied sheep breeds of the Montenegro

Breed	Characteristics				
	Type of sheep	Type according to origin	Production type	Phenotype characteristic	Breeding region in Montenegro
Bardoka	Group of coarse wool sheep - Pramenka, Zackel	Local breed	Combined production characteristics (meat, milk, wool)	The fully white-colored breed with very coarse wool and long fleece	On border region of Albania state
Pivska Pramenka	Group of coarse wool sheep - Pramenka, Zackel	Autochthonous breeds	Combined production characteristics (meat, milk, wool)	Coarse wool, horned sheep (male and female), irregular black spots on the face	Northwest region
Sjenicka Sheep	Group of coarse wool sheep - Pramenka, Zackel	Local breed	Combined production characteristics (meat, milk, wool)	The largest body size of all Montenegrin sheep breeds, characterized by the black rings about the eyes, mouth and half of the ears.	North and central region
Sora	Group of coarse wool sheep - Pramenka, Zackel	Autochthonous breeds	Combined production characteristics (meat, milk, wool)	Long tail breed, white wool, only rams horned, black pointed face and legs	Northeast region
Zetska Zuja	Group of coarse wool sheep - Pramenka, Zackel	Autochthonous breeds	Combined production characteristics (meat, milk, wool)	A short tail sheep breed with small body size, reddish colored hair of face and legs.	South and central region