

Table S2. Information on the joint dataset, which includes the Montenegrin sheep breeds and publicly available data of sheep breeds used in this study

Breed	Code of breed	Country, Region of sample collection	Type of sheep	Number of sheep	Number of SNPs (filtering)	Source of data
Pivska Pramenka	PP	Montenegro, Balkans	Zackel, Pramenka	30	45388	Our source
Bardoka	B	Montenegro, Balkans	Zackel, Pramenka	29	45388	Our source
Zetska Zuja	ZZ	Montenegro, Balkans	Zackel, Pramenka	29	35469	Our source
Sora	SO	Montenegro, Balkans	Zackel, Pramenka	23	35469	Our source
Sjenicka Sheep	S	Montenegro, Balkans	Zackel, Pramenka	28	35469	Our source
Zetska Zuja	ZUJ	Montenegro, Balkans	Zackel, Pramenka	5	44430	Ciani et al., 2020
Pivska Pramenka	PIV	Montenegro, Balkans	Zackel, Pramenka	6	44430	Ciani et al., 2020
Sora	SOR	Montenegro, Balkans	Zackel, Pramenka	6	44430	Ciani et al., 2020
Pag Island Sheep	PIS	Croatia, Balkans	Zackel, Pramenka	25	470962	Drzaic et al., 2022
Istrian Sheep	IPS	Croatia, Balkans	Zackel, Pramenka	25	470962	Drzaic et al., 2022
Dalmatian Pramenka	DPS	Croatia, Balkans	Zackel, Pramenka	25	470962	Drzaic et al., 2022
Dubrovnik Sheep	DRS	Croatia, Balkans	Zackel, Pramenka	26	470962	Drzaic et al., 2022
Karakachanska	KCH	North Macedonia, Balkans	Zackel, Pramenka	6	44430	Ciani et al., 2020
Ovchepolean	OVC	North Macedonia, Balkans	Zackel, Pramenka	10	44430	Ciani et al., 2020
Lipska	LIP	Serbia, Balkans	Zackel, Pramenka	7	44430	Ciani et al., 2020
Lara	LAR	Albania, Balkans	Albanian Zackel	9	44430	Ciani et al., 2020
Ruda	RUD	Albania, Balkans	Zackel, Ruda	16	44430	Ciani et al., 2020
Shkodrane	SKO	Albania, Balkans	Albanian Zackel	10	44430	Ciani et al., 2020
Dubska	DUB	Bosnia, Balkans	Zackel, Pramenka	2	44430	Ciani et al., 2020

Privorska	PVO	Bosnia, Balkans	Zackel, Pramenka	2	44430	Ciani et al., 2020
Bela Krajina	BKR	Slovenia, Balkans	Zackel, Pramenka	5	44430	Ciani et al., 2020
Bovec	BOV	Slovenia, Balkans	Zackel	5	44430	Ciani et al., 2020
Romanian Tsigai	TSIR	Romania, Balkans	Zackel, Tsigai	6	44430	Ciani et al., 2020
Hungarian Tsigai	TSIH	Hungary, Balkans	Zackel, Tsigai	6	44430	Ciani et al., 2020
Chios	CHI	Greece, East-Aegean	Semi-fat-tailed	23	44430	Ciani et al., 2020; Kijas et al., 2012
Altamura	ALT	Italy, South part	Moscia (Zackel)	19	44430	Ciani et al., 2020; Kijas et al., 2012
Leccese	LEC	Italy, South part	Moscia (Zackel)	19	44430	Ciani et al., 2020; Kijas et al., 2012
Gentile di Puglia	GEN	Italy, South part	Merino	24	44430	Ciani et al., 2020; Ciani et al., 2014
Sopravissana	SOP	Italy, South part	Merino	24	44430	Ciani et al., 2020; Ciani et al., 2014
East Friesian White	EFW	Germany, Northern part	O. Aries, dairy sheep	9	49034	HapMap dataset (50KSNP)
Merinolandschaf (Württemberg)	MLA	Germany, Southern part	Merino	21	49034	HapMap dataset (50KSNP)
Romanov	ROM	France (Russia)	O. Aries	10	527823	Rochus et al., 2018
Asiatic mouflon	AMF	Unknown	O. orientalis	13	44430	Ciani et al. 2020