

Figure S1. A graph should be given: cross-validation error vs. K.

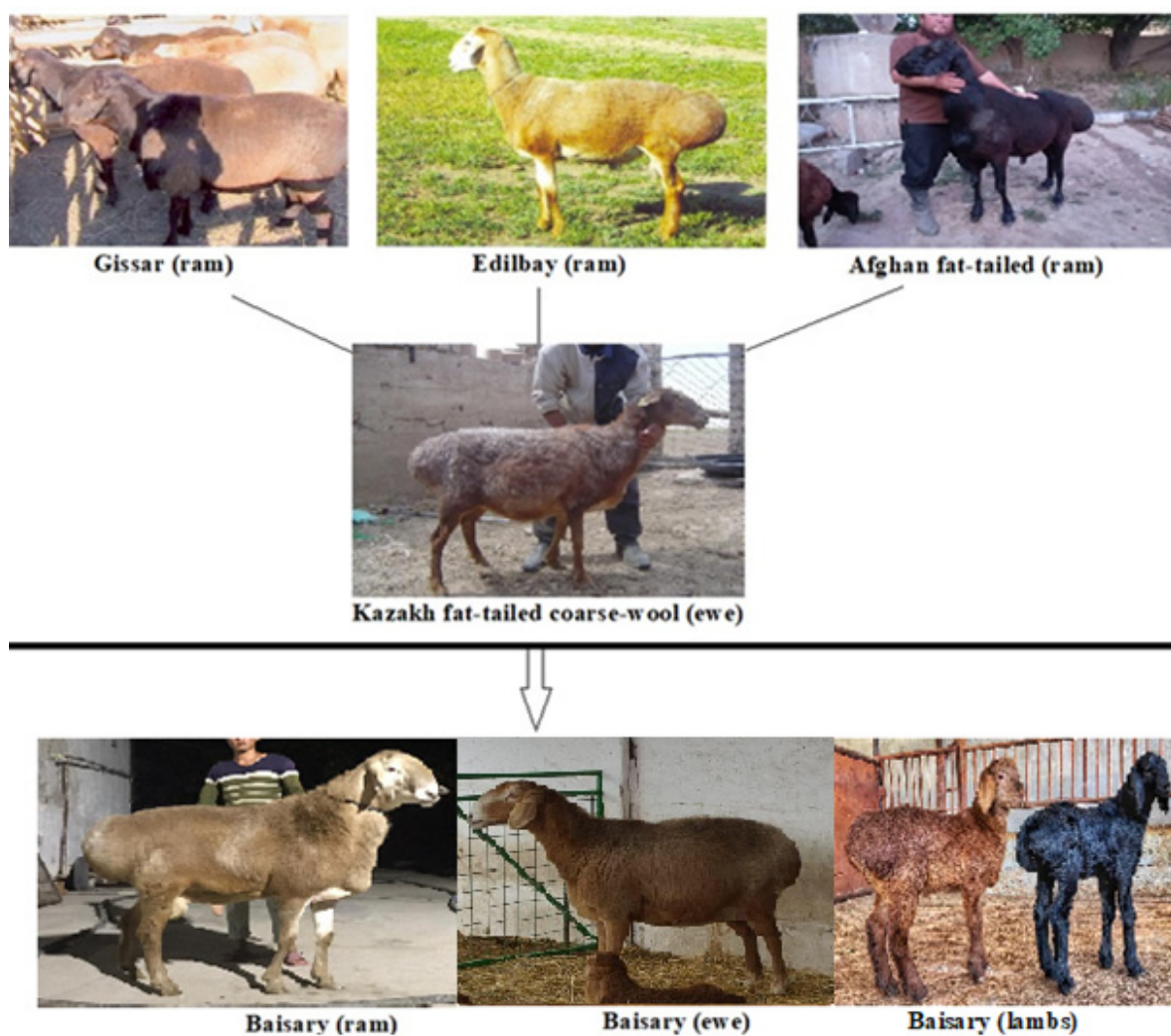


Figure S2. A typical ram and a typical ewe. Photo by Zhumadillaev N., Rustemov A. and Mykhtybayev K.

Table S1. Population pairwise differentiation in between breeds

Pop ID	AFTB	AYKL	ED	Gissar2	Baisary	KMWB	Gissar1
AFTB	0.00000						
AYKL	0.00286	0.00000					
ED	0.00608	0.00462	0.00000				
Gissar2	-0.00182	0.00203	0.00499	0.00000			
Baisary	0.00767	0.00996	0.01397	0.00533	0.00000		
KMWB	0.01444	0.00551	0.01733	0.01493	0.02346	0.00000	
Gissar1	-0.00419	0.00520	0.00819	-0.00019	0.00968	0.01695	0.00000

Afghan fat-tailed breed (AFTB), Aykol (AYKL), Edilbay (ED),
Gissar2 (imported from Kyrgyzstan), Baisary (BAI), Kazakh meat-wool
breed (KMWB), Gissar1 (imported from Tajikistan)

Additional pictures of Baisary sheep breed



