

Table S1. Genetic distance between pairs of breeds/populations estimated through Nei DA distance (above) and F_{ST} (below; p values in parentheses) in Sudan Desert Sheep breeds: Abrag (AB), Ashgar (AS), Buze´e (B), Hamari (H), Kabashi (K), and Watish (W).

Breed	AB	AS	B	H	K	W
AB	0	0.232	0.317	0.201	0.275	0.154
AS	0.013 (0.016)	0	0.392	0.227	0.248	0.279
B	0.010 (0.010)	0.040 (< 0.001)	0	0.271	0.296	0.264
H	0.003 (0.040)	0.014 (0.002)	0.012 (0.007)	0	0.201	0.229
K	0.006 (0.008)	0.008 (0.006)	0.012 (0.012)	0.002 (0.019)	0	0.302
W	-0.005 (0.701)	0.032 (< 0.001)	0.007 (0.011)	0.010 (0.002)	0.015 (< 0.001)	0