

Supplementary Table S2. Fixation index (F_{IS} , F_{IT} , F_{ST}), gene flow (Nm), genetic diversity at each locus (G_{ST}), total expected heterozygosity (H_T), and Jost's estimate of differentiation (D) among Arabian horse population.

Locus	F_{IS}^a	F_{IT}^a	F_{ST}^a	Nm	G_{ST}	H_T	D
AHT4	-0.152	-0.041	0.096	2.35	0.084	0.760	0.238
ASB2	-0.064	0.013	0.072	3.20	0.059	0.618	0.099
HMS2	-0.136	0.027	0.144	1.49	0.133	0.783	0.365
HMS7	-0.134	0.013	0.130	1.67	0.119	0.776	0.330
HTG6	-0.089	0.006	0.087	2.62	0.074	0.663	0.144
AHT5	-0.085	0.017	0.094	2.42	0.081	0.722	0.197
HMS3	-0.132	-0.058	0.065	3.59	0.053	0.799	0.196
HTG10	-0.109	-0.017	0.083	2.76	0.071	0.779	0.226
HTG7	-0.099	0.020	0.108	2.06	0.096	0.441	0.079
HMS1	-0.100	-0.027	0.066	3.53	0.053	0.635	0.096
HMS6	-0.052	0.020	0.069	3.38	0.056	0.613	0.091
HTG4	-0.124	0.021	0.129	1.69	0.117	0.602	0.170
VHL20	-0.155	0.035	0.103	2.17	0.092	0.770	0.266
Mean	-0.110	-0.003	0.096	2.53	0.084	0.689	0.178
SE	0.009	0.008	0.007	0.20	0.008	0.029	0.026

^a Wright's statistics according to Weir and Cockerham [49].