Table S3. Diversity of the 20 microsatellite loci.

Observed (H_{obs}) and expected (H_{exp}) heterozygosity, test for deviation from Hardy-Weinberg equilibrium (χ^2, d.f., p), heterozygosity deficiency coefficient (F_{is}), and differentiation between Warmblood and Franches-Montagnes horses (F_{st}).

Name	H_{obs}	H_{exp}	χ^2	d.f.	p	F_{is}	F_{st}
AHT36	0.749	0.770	179.7	45	<0.001*	0.047	0.044
UCD457	0.682	0.740	220.2	78	0.014	0.097	0.074
UMNe567	0.538	0.657	49.1	15	<0.001*	0.181	0.009
HTG4	0.610	0.651	158.3	21	0.135	-0.027	0.099
TKY101	0.528	0.696	200.4	45	<0.001*	0.212	0.001
TKY315	0.585	0.641	26.1	28	0.107	0.104	0.051
COR082	0.728	0.769	181.3	45	0.086	0.008	0.071
UCD405	0.677	0.739	57.5	36	0.084	0.088	0.055
UMO10	0.790	0.755	22.3	21	0.291	-0.076	0.009
COR069	0.703	0.743	84.1	28	<0.001*	0.030	0.086
HMS20	0.631	0.679	163.5	15	0.002*	-0.016	0.263
LEX065	0.713	0.675	7.4	15	0.947	-0.051	0.008
TKY582	0.641	0.772	172.2	21	<0.001*	0.127	0.229
AHT34	0.790	0.804	63.1	36	0.049	0.007	0.116
UMNe448	0.672	0.743	24.5	15	0.015	0.155	0.023
COR048	0.641	0.690	18.4	28	0.218	0.098	0.115
TKY333	0.779	0.830	72.9	55	0.289	0.035	0.055
UM005	0.697	0.772	177.6	21	0.002*	0.098	0.120
TKY924	0.764	0.731	6.4	10	0.693	-0.060	0.054
VIAS.H34	0.379	0.732	688.1	55	<0.001*	0.499	0.027

*significant after Holm-Bonferroni correction