

Table S4. Equine MHC microsatellite primer sequences

Microsatellite Locus	Location ^b (bp)	No. Alleles Detected	Repeat Motif	Primers	Fluorescent Label
UMN-JH34-2 ^a	29,232,117	12	(CA) _n	F: ttggtctttgcaggtatgg	6FAM
				R: tctcccttctctttgtcc	
COR112	33,282,568	13	(CA) _n	F: ttacctggtattggtatttgg	NED
				R: tcaccactaaatctcaaatcc	
COR113	33,480,869	8	(CA) _n	F: tgttagaactgccaggag	NED
				R: tcatcagttccttgccctagc	
UM011 ^c	33,510,218	13	(CA) _n	F: tgaagtagaaaggatgtgg	NED
				R: tctcagagcagaagtcctcg	
COR114	33,516,405	10	(CA) _n	F: tcaaatccacactcccttc	6FAM
				R: tccataaagatgggacactg	

^a GenBank: EF531702. Primers used in this study were developed independently.

^b Position of the first nucleotide of each microsatellite repeat motif on ECA20.

^c GenBank: AF195130.