

Supplemental Table S4. Horse/donkey *XIST* annotation from RNA-seq data in female horse, donkey and mule chorionic girdle samples.

Horse/donkey				Human (<i>NR_001564</i>)*			Mouse (<i>NR_001463</i>)		
exon #	exon start	exon end	length (bp)	exon #	length (bp)	blastn identity	exon #	length (bp)	identity
Exon1	55258045	55241736	16310	Exon1	11371	80%	Exon1	9517	67%
Exon2	55240244	55240154	91	Exon_a**	88	71%	Exon2	90	NA
Exon3	55237689	55237553	137	Exon3	136	81%	Exon3	131	66%
Exon4	55236203	55235995	209	Exon4	208	92%	Exon4	210	79%
Exon5	55235588	55235266	323	Exon_b**	288	73%	Exon5	146	74%
Exon6	55234876	55234751	126	Exon5	163	83%	Exon6	154	NA
Exon7	55233643	55226251	7393	Exon6	7326	75%	Exon7	7663	59%

NA: percent of aligned bases is less than 50%.

* Human *XIST* exon2 is missing in mouse and horse.

** predicted exons by conservation but not expressed in human.

Horse exon1 consists of three fragments in the reference genome, separated by two gaps.