

Supplementary Table S1. Sequences of primers used in PCR to validate the presence of P elements in Horezu_LaPeri genome. The sequence of MM11 primer is: CGACGGGACCACCTTATGTTATTTC.

Primer pairs	Genomic region	Sequence from 5' to 3'	Expected PCR product size (bp)
P1 + MM11	<i>ebd2</i> , CG32436	AGGGATTGAGCATAGTGAACCG	121
P2 + MM11	<i>Glut1</i>	ATGCTTACTGACAGAGTGAGCG	128
P3 + MM11	close to <i>stv</i>	GGCGGTTTCAGACCTTAATTGG	156
P4 + MM11	<i>lncRNA:CR45233</i>	AACCGCTCAAACCTTGTTTTCCA	295
P5 + MM11	<i>lncRNA:CR43626</i>	TGTTTCATGTTTGATCTGCTGCC	379
P6 + MM11	<i>NEAT</i>	TAGACCGTAGTTCGTAAGTCGC	410
P7 + MM11	<i>Ac13E</i>	GACTGCCAATTGTGGAATACCC	426
P8 + MM11	<i>spri</i>	CAACATCCACTATGCACTCTGC	646
P9 + MM11	close to CG43658	ATCACTTTCAAAACGGTGCAGG	738
P10 + MM11	<i>retn</i>	GACCGACCCAAATGATTTCTGC	742
P11 + MM11	gypsy5{}103	GTCTAATTCTGGGTGGTAGGGC	797
P12 + MM11	<i>Cyp6g2</i>	CCGTTCTACGACTACACTCTCG	873
P13+ MM11	CG7991	TCAATTGAATGCCCTCAAAGCG	893
P14 + MM11	<i>nolo</i>	TGACAACATGGGTCTCCACC	903
P15 + MM11	close to CG5555, CG31475	TAAGACCTTTGGTCACCTCGAC	924