

**S2 Table. Oligonucleotide primers used in this study**

gypsy_F	CCAGGTCGGGCTGTTATAGG
gypsy_R	GAACCGGTGTA CTCAAGAGC
297_F	AAAGGGCGCTCATACAAATG
297_R	TGTGCACATAAAATGGTTCG
roo_F	CGTCTGCAATGTA CTGGCTCT
roo_R	CGGCACTCCACTA ACTTCTCC
l-element_F	TGAAATACGGCATA CTGCCCCA
l-element_R	GCTGATAGGGAGT CGGAGCAGATA
mdg1_F	CACATGTTCTCA TTCCCAACC
mdg1_R	TTCGCTTTTTAT ATTTGCGCTAC
hobo-F	ACTCACACCCTACA ATTTTGTGTG
hobo-R	GTGTTTAACGGTATA CCCACAAGTG
jockey_F	TGCAGTTGTTCC CCTAACC
jockey_R	AGTTGGGCAAATG CTAGTGG
blood_F	TGCCACAGTACCTG ATTTTCG
blood_R	GATTCGCCTTTTACG TTTTGC
412_F	CACCGGTTTGGT CGAAAG
412_R	GGACATGCCTGGT ATTTTGG
P-element-F	TTAATATTAGCAG CGCGAAACGTC
P-element-R	GTTGATTAACCCT TAGCATGTCCG
diver_F	TTTTTGGAGCCGAC CTTATG
diver_R	GGCGTGTAATATG CGGTGTTG
Het-A_F	CGCGCGGAACCCAT CTTCAGA
Het-A_R	CGCCGCAGTCGTT TGGTGAGT
S-element_F	TGAAAAGCGTCA TTCAATTCG
S-element_R	TGTTTCTAGCGCA CTCAACG
17.31_F	AGCAAACGTCTGT TGGGAAGG
17.31_R	CGACAGCAAACAAC ACTGC
NoF_F	AGTTGGACCTGGA ATTGTGG
NoF_R	AATGCACACGGAAG AGGAAC
Idefix_F	AACAAAATCGTGGC AGGAAG
Idefix_R	TCCATTTTTCGCG TTTACTG
TAHRE_F	CTGTTGCACAAAG CCAAGAA
TAHRE_R	GTTGGTAATGTT CGCGTCCT
burdock_F	CGGTAAAATCGCT TCATGGT
burdock_R	ACGTTGCATTTCC CTGTTTC
MT_ND5_F	GCAGAAACAGGTGT AGGAGCA
MT_ND5_R	TCGAATTGGGGAT GTAGCTT
Copia-F1	ATTTCTTCTCAGA ATTTGAGTG
Copia-R1	AGAATCTGACGCG CCGTAATGTC
Copia-P1	GTCGTGGTGTGTT GTTGCAGTTG
Copia-P2	GAATAAAAAGAGT GGTATTCTCT
Copia_P8	AGGTGTGGCCATT CATATCAAATA

Copia_P9	GTGCTGGTGTTCAGTTGAA
Copia_P10	TGTGAGTAGGTCGTGGTGCTGGTGT
Copia_P11	TTCTCTTACAATATGTTTTATGGCA
Rp49-F	ATGACCATCCGCCAGCATAAC
Rp49-R	CTGCATGAGCAGGACCTCCAG
TFIIs-F	GGATTGCGAGGCAACTTTATG
TFIIs-R	CAGCTGGGCATCGTTGATG
Paf1-F	CATCTACTACAACGAGCTAG
Paf1-R	ACGATGCTCCATGCTGTCC
Ago2-F	GTGGTTTACACGCCTCCTCA
Ago2-R	GGTAGTTGCGACTGTGGAA
PIWI-F	TCGTACCCAATGATAACGCCGAAAG
PIWI-R	AGTCCGGACAAGGGTAGTTCGATCA
M13-F	GTAAAACGACGGCCAG
M13-R	CAGGAAACAGCTATGAC
pGL3-ScreenFW	CCTCTTCGCTATTACGCCAG
piwiPro-ScreenRV1	AAAATTTCAATCGTTGCAAGAG
Cas9-qPCR-F	CCTATCTGACATACTGAGAG
Cas9-qPCR-R	CTGACGGACTAGGGCCTTG