

GTGACACTTTTTTCTAGTGATGGTTATGGTGTGGATCAGACTTCTATGAATAAGGCTTGTTTCCTAGGAGAGGTCTGTTCA
 CTTACTGATACTGTGTTTTCTGATAAGGCTTGTGCTCAAAGGAGAACCATACCTATGAGGGAGCTTGCCCAATTGATGAGAC
 CTACGTTCTGTCAATGTCTGCAATACCATTGACTTTTTAACTCCAAAGAAAACACGGCCGGGCGCGGTGGCTCACGCCTGT
 AATCCCAGCACTTTGGGAGGCCGAGGCCGGCGGATCACGAGGTCAGGAGATCGAGACCATCCCGGCTAAAACGGTGAAACCCC
 ----- **undetermined sequences** -----
 AAAAAAAGAAAACACATATACTGATAACTTGGATTCAACTGAAGAGTTAGAAAGAGGTGATGACATTCAGAAAGATCTAA
 ATATTTTGACAGACCCTGAATATAAAAATGGATTTAATACATTGGTGTACATCAAATGTCAGTAATTTAAGCTCCTGTGGC
 CTTTGCCTAAGTGAAAAAGAAGCAGAACTTGATAAGAAACATAGTTCTCTAGATGATTTTGAAAATTGTTCACTA

5' - *RP1* exon 4 (+ strand) - **Target site duplication** - AluY (+ strand) - **Target site duplication** - *RP1* exon 4 (+ strand) - 3'

Supplementary Figure S2. DNA sequence predicted by *de novo* assembly of the clipped reads. The AluY element insertion was predicted between the duplicated 11 bp segments (target site duplication).