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MER107 INTO L1PA15 @ CHR5:12434903-12435084
L1PA15 CHR5 CTTCTGATATCTCTGGGGTTGGTTTGCTCTTGTT/MER107/TGATTTTATTTCTTTAGTTTGTAGTAAGATTGTTAATTTGGA
L1PA15 CHR7 CTTCTGGTAGCTTTGGGGTTGGTTTGCTCTTTTT-----CTCTAGTTCCTTTAGTTGCAACATTAGGTTGTTAATTTGAG

MER107 INTO L1PB3 @ CHR2:166664038-166664295
L1PB3 CHR2 TCCATCAACTGAAGAGTGGATAAAGAAAAT/MER107/AAGACTGAACAGTAGTTATTTATGGCAGAATACTACTCAGCCATAAAAA
L1PB3 CHR4 TCCATCAACTGATGAGTGGATAAAGAAAAT-----GTAGTACATATATGTCAGTGAATACTACTCAGCCATGAAAA

MER107 INTO L1MA4 @ CHR10:132318388-132318689
L1MA4 CHR10 TAGTTGCCCTGTTGTGCTGCCATACACTAT/MER107/CACCTGATCTTGCTCTTTCTGTTTAACTGTATTATTTTACCCATTAAC
L1MA4 CHR4 GAAAAGCCCTAATATGCTACTAACCACCAT-----ATTCATTCTCTTCTGTTTAACTGTATTATTTTACCCATTAAC

MER107 INTO ALUJO @ CHR16:15634660-15634717
ALUJOCHR16 TGATCCCAGGAGTTTGAGACAAGCCTCCACCACCTAACCCCTGGATCCTGAAAGCCATC/MER107/AACATAGGGAGACCTCGTCTC
ALUJO CONS TGAGCCCAGGAGTTCGAGACCAGCCTGGGC-----AACATAGCGAGACCCCGTCTC

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Supplementary Figure 1. MER107 insertions into L1 and Alus provoked a short deletion accompanied by the co-insertion of filler DNA.

For each alignment, the first line shows the flanking sequences of a MER107 element nested into a L1 or Alu element in black, while the filler DNA accompanying the insertion at one of the junction is shown in red. The boundaries of the MER107 were determined according to the RepeatMasker output and confirmed by manual alignment to the consensus sequence. For the nested insertions into L1, the bottom line shows the sequence of a related L1 copy from the same subfamily located elsewhere in the genome. For the nested insertion into AluJo, the bottom line shows the consensus AluJo sequence. The sequence presumably deleted upon MER107 is in blue. Hyphens denote gaps.