A) LpKYTEL2 *[CCCTAA]$_{16}$ ***([CCCAAA]$_7$CCCGAA**..MoTeR1..**AATTAAAA)*** CCCTTTCCCGG
1

B) LpKYTEL3 *[CCCTAA]$_{18}$ ***([CCCGAA]$_2$[CCCAAA]$_8$CCCGAA**..MoTeR1..**AATTAAAA)*** CCCTAACCCTAAGACTTG
1

C) LpKYTEL4-1 *[CCCTAA]$_{30}$ ***([CCCAAA]$_8$CCCGAA**..MoTeR1..**AATTAAAA)*** CCCTAA ***(GTTTTCGTTTTT***
1 4888

D) LpKYTEL4-2 ***AATTAAAA)*** CCCTAA ***(GTTTTCGTTT**..tMoTeR1..**AATTAAGA)*** CCCTAAGAACCAGGGAT
4888

E) FH10L7 ***AATTAAAA)*** CCCTAA (***[CCCGAA]$_2$[CCCAAA]$_8$**..MoTeR1..**AATTAAAA)*** CCCTAACCCTAA ***(CGCCCAATT***
1 3882

F) FH8F4 ***AATTAAAA)*** CCCTAA (***[CCCGAA]$_2$[CCCAAA]$_8$**..MoTeR1..**AATTAAAA)*** CCCTAACCCTAAGACTTGAAT
1

G) FH8B21 ***AATTAAAA)*** CCC (***TAACCCCAA**..tMoTeR1..**AATTAAAA)*** CCCTAACCCTAACTTCCATTG
4894

H) FH2A9 ***AATTAAAA)*** CCC (***AAAATAACC**..tMoTeR1..**AATTAAAA)*** CCCTAACCCTAA ***(GGATCC***
2498 1017(tMoTeR2)

Figure S4 Sequences flanking MoTeR1 insertions. Shown are nine representative 5’ and 3’ insertion junction pairs. The MoTeRs are oriented 5’ to 3,’ left to right. MoTeR sequences are delimited by parentheses and are highlighted using boldface italics. Asterisks indicate terminal telomere repeat arrays. MoTeRs with 5’ truncations are listed as “tMoTeR” and the position of the truncation is listed below the relevant border. Telomere repeats are underlined. On the left are the IDs of the clones that contain the respective junctions. Suffixes represent different MoTeR copies within an individual clone.