

Table S2. Specific probes design and construction for selected retroelement families. Sequences of primers designed for retroelement specific label construction, estimated amplicon sizes, and empirical results of sequenced clones.

LTR retroelement family	Primer	Amplicon size	Clone sequencing GenBank ID	Conserved domines	
GypsyZla_16	Fw: 5'-TGGATGGAGAGTATGTATGGACTACCG	958 pb	LC431738; LC431739; LC431740*	RF +3 Specific hits Superfamilies	
	Rv: 5'-GTCTGTATGCACGATCACTCTAGTACC				
GypsyZla_13	Fw: 5'-CTGAGGATGTGTATCGATTATCGGC	1065 pb	LC431733* ; LC431734; LC431735	RF +3 Specific hits Superfamilies	
	Rv: 5'-CTACCACATTAGCCTTACCTGGATG				
CopiaZla_01	Fw: 5'-GTGGAAGATATTTTCAGATGGATGTC	982 pb	LC431736; LC431737*	RF +1 Specific hits Superfamilies	
	Rv: 5'-GGGAGTAGGCATAGAAATGTGAAC				

* Clones selected for label construction