

Supplemental Table S1. Summary of different TE superfamilies containing R-loops.

TE Class	Code	Number of TE-R-loops	% total number of TE-R-loops	% total length of TEs	Enrichment
<b><i>Class I (retroelements)</i></b>					
<i>SINE/tRNA</i>	RST	104	0.02%	0.02%	1
<i>LINE/L1</i>	RIL	832	0.16%	0.15%	1.06
<i>LTR/Copia</i>	RLC	125,682	24.49%	26.87%	0.91
<i>LTR/Gypsy</i>	RLG	269,359	52.49%	51.90%	1.01
<i>uncharacteried Copia or Gypsy</i>	RLX	62,830	12.24%	10.82%	1.13
Total		458,807	89.40%	89.76%	0.99
<b><i>Class II (DNA transposons)</i></b>					
<b><i>Class II-Subclass 1</i></b>					
<i>Tc1-Mariner</i>	DTT	6,687	1.30%	1.54%	0.84
<i>hAT</i>	DTA	1,386	0.27%	0.27%	1
<i>Mutator</i>	DTM	201	0.04%	0.04%	1
<i>PIF-Harbinger</i>	DTH	4,607	0.90%	1.42%	0.63
<i>CACTA</i>	DTC	5,499	1.07%	0.61%	1.75
<i>uncharacteried subclass I transposons</i>	DTX	3,089	0.60%	1.18%	0.51
Total		21,469	4.20%	5.06%	0.83
<b><i>Class II-Subclass 2</i></b>					
<i>Helitron</i>	DHH	32,830	6.40%	5.19%	1.23
Total		513,106	100%	100%	