

**Supplemental Table 3.** Alu elements with mutations in positions (n=124) that are 100% conserved in active elements

<b>Number of Alu elements with exactly n mutation</b>			
<b>Number of mutations</b>	0	1	2
<b>All</b>	3437	3818	5176
<b>AluJ</b>	0	0	0
<b>AluS</b>	7	110	606
<b>AluY</b>	3430	3708	4570

  

<b>Number of Alu Elements with up to n mutations</b>			
<b>Number of mutations</b>	0	1	2
<b>All</b>	3437	7255	12431
<b>AluJ</b>	0	0	0
<b>AluS</b>	7	117	723
<b>AluY</b>	3430	7138	11708

  

<b>Proportion of each Alu family having up to n mutations (in %)</b>			
<b>Number of mutations</b>	0	1	2
<b>All</b>	100	100	100
<b>AluJ</b>	0	0	0
<b>AluS</b>	0.2	1.6	5.8
<b>AluY</b>	99.8	98.4	94.2