

Supplemental Data Table for NAR-01614-D-2003
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Construct	5892	1 kb%	4819	2 kb%	3961	3 kb%	nRF	Retrotrans. Freq.
<u>Experiment 1</u>								
L1 RP	48/48	100%	45/48	94%	43/48	90%	47	1/136
L1 RP+L1.2A-RT	47/47	100%	45/47	96%	42/47	89%	30	1/213
L1.2A+L1 RP-RT	32/32	100%	N.A.		(00/32)	0%	3	1/2113
L1.2A	37/37	100%	11/37	30%	(03/37)	8%	1	1/6452
<u>Experiment 2</u>								
L1 RP	38/38	100%	34/38	96%	33/38	87%	52	1/70
Total								
	1 (16/16)	100%	(15/16)	94%	(14/16)	88%		1/57
	2 (22/22)	100%	(19/22)	86%	(19/22)	86%		1/83
RP R363G	60/60	100%	51/60	85%	30/60	50%	19	1/189
Total								
	1 (12/12)	100%	(11/12)	92%	(07/12)	58%		1/148
	2 (16/16)	100%	14/16	88%	(10/16)	63%		1/178
	3 (16/16)	100%	16/16	100%	(10/16)	63%		1/220
	4 (16/16)	100%	(10/16)	63%	(03/16)	19%		1/212
L1.3	16/16	100%	(11/16)	69%	(05/16)	31%	20	1/175
Construct	5892	1 kb%	4819	2 kb%	3961	3 kb%	nRF	Retrotrans. Freq.
L1.2A	64/64	100%	(10/64)	16%	(05/64)	8%	1	1/3590

L1.2 G363R Total	43/43	100%	09/43	21%	05/43	12%	2	1/1792
1	(14/14)	100%	(03/14)	21%	(01/14)	7%		1/1860
2	(15/15)	100%	(06/15)	40%	(03/15)	20%		1/1633
3	(14/14)	100%	(04/14)	29%	(01/14)	7%		1/1882

Experiment 3

LRE 3 Total	94/94	100%	90/94	96%	84/94	89%	60	01/13
1	(18/18)	100%	(18/18)	100%	(15/18)	83%		(1/13)
2	(17/17)	100%	(15/17)	88%	(14/17)	82%		(1/14)
3	(35/35)	100%	(33/35)	94%	(31/35)	89%		(1/10)
4	(24/24)	100%	(24/24)	100%	(24/24)	100%		(1/15)
L1 RP Total	46/46	100%	45/46	98%	41/46	89%	40	01/18
1	(24/24)	100%	(24/24)	100%	(23/24)	96%		(1/14)
2	(22/22)	100%	(21/22)	95%	(18/22)	82%		(1/21)

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L1.3 Total	31/31	100%	21/31	68%	16/31	52%	5.5	1/152
	1 (24/24)	100%	(16/24)	67%	(12/24)	50%		(1/131)
	2 (07/07)	100%	(05/07)	71%	(04/07)	57%		(1/173)
L1 RP+L1.2A-RT Total	28/28	100%	20/28	71%	10/28	36%	21	1/39
	1 (18/18)	100%	(14/18)	78%	(07/18)	39%		(01/31)
	2 (10/10)	100%	(06/10)	60%	(03/10)	30%		(1/47)
L1.2A+L1 RP-RT Total	54/54	100%	20/54	37%	(06/54)	11.00%	2	1/431
	1 (22/22)	100%	(04/22)	18%	(00/22)	0.00%		(1/475)
	2 (32/32)	100%	(16/32)	50%	(06/32)	19.00%		(1/387)
L1.2A Total	54/54	100%	16/54	30%	(05/54)	9%	1	1/838
	1 (38/38)	100%	(12/38)	32%	(04/38)	11%		(1/820)
	2 (16/16)	100%	(04/16)	25%	(1/16)	6%		(1/856)

Construct	5892	1 kb%	4819	2 kb%	3961	3 kb%	nRF	Retrotrans. Freq.
L1.2A L1259S/M1220I (L1.2B)	19/19	100%	13/19	68%	(09/19)	47%	15	1/55
L1.2 L1259S	20/20	100%	16/20	80%	(09/20)	45%	7.4	1/113
L1.2 M1220I	17/17	100%	(09/17)	53%	(03/17)	18%	3.7	1/223
RP S1259L/I1220M	21/21	100%	14/21	67%	(06/21)	29%	6.3	1/133
RP S1259L	24/24	100%	19/24	79%	13/24	54%	16	1/52
RP I1220M	24/24	100%	23/24	96%	21/24	88.00%	36	1/23

Legend:

The L1 constructs used are listed in the first column. For a detailed explanation of construct abbreviations, please see figure 2 in the manuscript. Individual experiments are listed, as are individual transfections from each of the experiments. 5892, 4819, 3921 are the map positions of the ruler PCR primers corresponding to the 1 kb, 2 kb and 3 kb PCR assays, respectively. The raw numbers (fractions) of clones that are positive in each of the assays are shown, followed by the percentages. The raw retrotransposition frequencies are given as fractions and the normalized retrotransposition frequencies (nRF) are also listed. The nRF is calculated by normalizing the observed retrotransposition frequency to that of the weakest element, L1.2A in the same series of transfections (see text for details).