

Table S1. Deamination hotspots in A3G transgenic mice. Each of the hotspots appeared once in the sequenced region. Shown is the fraction of sequences containing the G to A change. There were no deamination hotspots for either virus in the A3A transgenic mice.

SEQUENCE	A3G ^{high}		A3G ^{low}	
	DNA	RNA	DNA	RNA
M-MLV				
TAT <u>GGGC</u>	0.20	0.06	0	0
TATT <u>GGG</u>	0.30	0.06	0.21	0
CTCAG <u>GGG</u>	0.13	0.06	0.15	0
ATGAG <u>GGG</u>	0.23	0.09	0	0
CCCC <u>GGG</u>	0.10	0	0.06	0
ATGT <u>GGG</u>	0.28	0.01	0.11	0.05
TATT <u>GGG</u>	0.35	0.11	0.04	0.03
TCAT <u>GGG</u>	0.25	0.045	0.02	0
CGCC <u>GGG</u>	0.10	0	0	0
MMTV				
CCT <u>GGGG</u>	0.14		0.08	
AAAT <u>GGG</u>	0.14		0.04	
AAA <u>AGGG</u>	0.11		0.06	
ACCAG <u>GGG</u>	0.07		0.02	
TATA <u>GGG</u>	0.11		0	
AGGT <u>GGG</u>	0.05		0	
TCGAG <u>GGG</u>	0.07		0	