

Figure 2-Figure Supplement 2

No rA3A

	# of sites in LEAP Product	available sites in 100 products	# of deamination events	percentage of available sites deaminated in 100 products	
GGG					
AGG					
TGG	1	100	1	1.0%	
CGG					
GGA	1	100	0	0.0%	
AGA	2	200	0	0.0%	
TGA	6	600	2	0.3%	
CGA					
GGT					
AGT	3	300	0	0.0%	
TGT	3	300	0	0.0%	
CGT					
GGC					
AGC	1	100	0	0.0%	
TGC	5	500	1	0.2%	
CGC					adapters deaminated:
Total: 22	2200	4	0.2%	1.0%	

No rA3A + RNase H

	# of sites in LEAP Product	available sites in 100 products	# of deamination events	percentage of available sites deaminated in 100 products	
GGG					
AGG					
TGG	1	100	0	0.0%	
CGG					
GGA	1	100	4	4.0%	
AGA	2	200	19	9.5%	
TGA	6	600	25	4.2%	
CGA					
GGT					
AGT	3	300	0	0.0%	
TGT	3	300	0	0.0%	
CGT					
GGC					
AGC	1	100	0	0.0%	
TGC	5	500	0	0.0%	
CGC					adapters deaminated:
Total: 22	2200	48	2.2%	2.0%	

rA3A

	# of sites in LEAP Product	available sites in 100 products	# of deamination events	percentage of available sites deaminated in 100 products	
GGG					
AGG					
TGG	1	100	3	3.0%	
CGG					
GGA	1	100	3	3.0%	
AGA	2	200	13	6.5%	
TGA	6	600	25	4.2%	
CGA					
GGT					
AGT	3	300	0	0.0%	
TGT	3	300	0	0.0%	
CGT					
GGC					
AGC	1	100	0	0.0%	
TGC	5	500	0	0.0%	
CGC					adapters deaminated:
Total: 22	2200	44	2.0%	91.0%	

rA3A + RNase H

	# of sites in LEAP Product	available sites in 100 products	# of deamination events	percentage of available sites deaminated in 100 products	
GGG					
AGG					
TGG	1	100	5	5.0%	
CGG					
GGA	1	100	5	5.0%	
AGA	2	200	75	37.5%	
TGA	6	600	228	38.0%	
CGA					
GGT					
AGT	3	300	4	1.3%	
TGT	3	300	8	2.7%	
CGT					
GGC					
AGC	1	100	0	0.0%	
TGC	5	500	5	1.0%	
CGC					adapters deaminated:
Total: 22	2200	330	15.0%	50.0%	

rA3A\_C106S

	# of sites in LEAP Product	available sites in 100 products	# of deamination events	percentage of available sites deaminated in 100 products	
GGG					
AGG					
TGG	1	100	0	0.0%	
CGG					
GGA	1	100	0	0.0%	
AGA	2	200	2	1.0%	
TGA	6	600	2	0.3%	
CGA					
GGT					
AGT	3	300	0	0.0%	
TGT	3	300	1	0.3%	
CGT					
GGC					
AGC	1	100	0	0.0%	
TGC	5	500	0	0.0%	
CGC					adapters deaminated:
Total: 22	2200	5	0.2%	1.0%	

rA3A\_C106S + RNase H

	# of sites in LEAP Product	available sites in 100 products	# of deamination events	percentage of available sites deaminated in 100 products	
GGG					
AGG					
TGG	1	100	1	1.0%	
CGG					
GGA	1	100	2	2.0%	
AGA	2	200	15	7.5%	
TGA	6	600	40	6.7%	
CGA					
GGT					
AGT	3	300	0	0.0%	
TGT	3	300	0	0.0%	
CGT					
GGC					
AGC	1	100	0	0.0%	
TGC	5	500	0	0.0%	
CGC					adapters deaminated:
Total: 22	2200	58	2.6%	1.0%	