Supplemental Table 5. Insertion frequencies at Ebola polynucleotide regions

Genome coordinates*	mRNA Thp1 @24hpi Random shear Polynucleotide	mRNA Thp1 @24hpi (amplicon) Amplicon			mRNA in Vero @24hpi Random shear	vRNA Vero @ 24hpi Amplicon		vRNA Vero @ 1hpi Amplicon			Plasmid amplicon Amplicon		Pol II derived Amplicon Amplicon	
		% **	Polynucleotide	%	Polynucleotide	%	Polynucleotide	%	Polynucleotide	%	Polynucleotide	%	Polynucleotide	%
	AAAAAA	0.25%	AAAAAA	0.14%	AAAAAA	0.50%	AAAAAA	0.25%	AAAAA	0.32%	AAAAAA	0.03%	AAAAA	0.27
EBOV GP	AAAAAA	67.92%	AAAAAA	69.78%	AAAAAA	71.65%	AAAAAA	82.87%	AAAAAA	97.55%	AAAAAA	99.76%	AAAAAA	98.7
(virus/plasmid 7A)	AAAAAAA	28.04%	AAAAAAA	27.39%	AAAAAAA	25.90%	AAAAAAA	15.50%	AAAAAAA	1.76%	AAAAAAA	0.00%	AAAAAAA	0.79
6918-6924	AAAAAAAA	1.91%	AAAAAAAA	1.40%	AAAAAAA	1.26%	AAAAAAAA	0.74%	AAAAAAA	0.05%	AAAAAAAA	0.00%	AAAAAAAA	0.0
	AAAAAAAA	1.73%	AAAAAAAA	1.17%	AAAAAAAAA		AAAAAAAAA	0.48%	AAAAAAAAA	0.01%				
Total reads	6078	99.84%	8631084	99.88%	8273	99.31%	4687772	99.84%	4933361	99.68%	336069	99.80%	629236	99.7
BOV GP											AAAAAA	0.00%	AAAAAA	0.0
(plasmid 8A)											AAAAAA	0.82%	AAAAAA	0.8
6918-6925											AAAAAAA	98.38%	AAAAAAA	95.9
0010 0020											AAAAAAAA	0.47%	AAAAAAAA	2.8
Total reads											566972	99.68%	579535	99.7
5001/00														
EBOV GP	AAAAA	0.21%			AAAAA	0.18%	AAAAA	0.12%	AAAAA	0.09%	AAAAA	0.08%	AAAAA	0.1
6378-6383	AAAAA	95.03%			AAAAA	96.70%	AAAAA	98.65%	AAAAA	98.09%	AAAAA	99.64%	AAAAA	99.1
	AAAAAA	4.30%			AAAAAA	2.87%	AAAAAA	1.08%	AAAAAA	1.72%	AAAAAA	0.02%	AAAAAA	0.5
	AAAAAAA	0.26%			AAAAAAA	0.09%	AAAAAAA	0.04%	AAAAAAA	0.01%	AAAAAAA	0.00%	AAAAAAA	0.0
Total reads	3841	99.79%			11358	99.84%	914320	99.89%	5591149	99.91%	460245	99.74%	1357538	99.8
EBOV VP30	AAAAA	0.19%			AAAAA	0.22%	AAAAA	0.20%	AAAAA	0.18%	AAAAA	0.05%	AAAAA	0.1
8767-8772	AAAAAA	96.99%			AAAAA	98.85%	AAAAAA	98.86%	AAAAAA	98.94%	AAAAAA	99.63%	AAAAA	99.6
0.0.01.2	AAAAAA	2.53%			AAAAAA	0.81%	AAAAAAA	0.81%	AAAAAA	0.72%	AAAAAA	0.06%	AAAAAA	0.1
Total reads	2091	99.71%			4079	99.88%	123615	99.87%	1384440	99.83%	735306	99.74%	180058	99.8
EBOV NP	AAAAA	0.06%			AAAAA	0.09%	AAAAA	0.10%	AAAAA	0.05%	AAAAA	0.01%	AAAAA	0.1
850-855	AAAAAA	98.47%			AAAAA	99.30%	AAAAA	99.45%	AAAAA	99.36%	AAAAA	99.92%	AAAAA	99.5
	AAAAAA	1.27%			AAAAAA	0.48%	AAAAAA	0.33%	AAAAAA	0.52%	AAAAAA	0.01%	AAAAAA	0.24
Total reads	11588	99.81%			10728	99.86%	1497497	99.89%	2415959	99.92%	874663	99.94%	369576	99.9
EBOV NP	AAAAA	0.04%			AAAAA	0.15%	AAAAA	0.070/	AAAAA	0.06%	AAAAA	0.00%		
1288-1293								0.07%						
1200-1293	AAAAA	98.50%			AAAAA	98.91%	AAAAAA	98.78%	AAAAA	99.32%	AAAAAA	99.93%		
Total reads	AAAAAA	1.39%			AAAAAA	0.88%	AAAAAAA	1.07%	AAAAAAA	0.54%	AAAAAA	0.00%		
Total reaus	2598	99.92%			6670	99.94%	1888297	99.92%	76513	99.92%	550404	99.93%		
EBOV L	UUUUUU	94.48%			UUUUUU	97.39%	UUUUUU	94.38%	UUUUUU	94.09%	UUUUUU	99.58%		
12146-12151	UUUUUUU	5.34%			UUUUUUU	2.30%	UUUUUUU	5.37%	UUUUUUU	5.67%	UUUUUUU	0.03%		
	UUUUUUUU	0.00%			UUUUUUUU	0.00%	UUUUUUUU	0.15%	UUUUUUUU	0.15%	UUUUUUUU	0.00%		
Total reads	562	99.82%			1305	99.69%	5252884	99.89%	6455486	99.90%	1402798	99.61%		
EDOV I														
EBOV L	UUUUUU	92.46%			UUUUUU	94.08%	UUUUUU	99.07%	UUUUUU	99.26%	UUUUUU	99.92%		
17521-17526	UUUUUUU	7.30%			UUUUUUU	5.49%	UUUUUUU	0.73%	UUUUUUU	0.49%	UUUUUUU	0.00%		
	UUUUUUUU	0.00%			UUUUUUUU	0.09%	UUUUUUUU	0.02%	UUUUUUUU	0.00%	UUUUUUUU	0.00%		
Total reads	411	99.76%			1166	99.66%	585199	99.82%	100263	99.76%	2610377	99.93%		

^{*}Only sequencing reads with perfect matches to the reference sequence 10 nucleotides to each side of the indicated homopolymer region were examined

^{**}Percent reflects the number of total reads with the indicated homopolymer region. The total numberr of reads does not add up to 100% because the remaining fraction includes reads which have a nucleotide within this region different than the nucleotide within the homopolymer