

Table S1

		wt of reference	Viral entry %	SD (%)
V1V2	ABA	A	141.5	52.1
		B	544.4	252.5
	ACA	A	29.1	9.2
		C	170.6	44.7
	AGA	A	72.5	23.0
		G	4195.2	3673.2
	BCB	B	1.1	1.0
		C	2.4	2.6
BGB	B	3.2	3.5	
	G	65.7	60.9	
V1	ABA	A	44.3	13.4
		B	151.1	81.1
	ACA	A	15.7	10.1
		C	134.0	75.4
	AGA	A	9.0	1.8
		G	830.4	788.8
	BCB	B	9.6	4.1
		C	14.1	7.8
BGB	B	0.7	0.3	
	G	17.1	9.5	
V2	ABA	A	66.0	25.9
		B	260.3	145.1
	ACA	A	53.1	8.7
		C	359.5	185.9
	AGA	A	125.5	38.7
		G	11441.9	6324.6
	BCB	B	1.7	1.1
		C	1.9	1.1
BGB	B	0.7	0.5	
	G	20.3	18.8	
V3	ACA	A	53.7	9.0
		C	272.3	92.2
	AGA	A	47.2	12.9
		G	1.37E+08	1.15E+08
	BCB	B	124.0	46.8
		C	211.0	66.8
BGB	B	139.0	24.5	
	G	2907.6	1167.0	