

TABLE S1. Ten smallest Fisher Exact Test *P*-values determined by automatic scan of all *env* positions in the multiple sequence alignment

HXB2 position	<i>P</i> score	Bonferroni multiple comparison correction*
33	0.0051	3.1663
65	0.0204	12.5960
84	0.0141	8.6980
165	0.0124	7.6332
281	0.0064	3.9536
404	0.0129	7.9484
426	0.0033	2.0098
640	0.0170	10.4821
667	0.0082	5.0283
792	0.0134	8.2825

*Multiply by 616