

**Supplementary Table S6.** Range of conservation of individual Rev domain across different HIV-1 group M clades.

Clade <sup>a</sup>	Conservation (%)											
	64.5 – 72.1	72.2 – 74.9	75.0-77.9	78.0-80.9	81.0-83.9	84.0-86.9	87.0-89.9	90.0-92.9	93.0-95.9	96.0-98.9	99.0-100	
Group M	C-term			Turn	OD2, ONL	NES	N-term, OD1		ARM			
A1					C-term	Turn	OD1	N-term, OD2, NES		ARM		
A6							OD2, ONL	N-term, OD1, Turn, ARM, C-term		NES		
B	OD2				ONL	OD1, C-term	Turn			N-term	ARM, NES	
C					C-term	ONL	OD2	Turn, NES		N-term, OD1, ARM		
D							OD1, C-term	N-term, OD2, NES, Turn		ONL	ARM	
F1						C-term	N-term, OD1, OD2, ONL, NES		Turn		ARM	
F2					ONL, C-term			OD2	N-term, Turn, NES, OD1		ARM	
G						ONL, C-term	OD1, OD2, NES		N-term, Turn		ARM	
H							N-term, OD1, OD2, ONL	Turn, C-term		ARM, NES		
01_AE							Turn, ONL	OD2, C-term	OD1, ARM, NES		N-term	
02_AG					C-term	OD2, ONL	OD1, NES	N-term, Turn		ARM		
06_cpx							Turn	ONL	N-term, OD1, OD2, NES, C-term		ARM	
07_BC							N-term	C-term	OD1, OD2, ONL, NES		Turn ARM	
08_BC									ARM, C-term	Turn, OD2, ONL	N-term, OD1, NES	
11_cpx					Turn	OD1, ONL, C-term		OD2, NES		N-term		
12_BF								N-term, OD1, OD2, ONL	Turn, C-term		ARM, NES	
13_cpx							OD1, OD2, C-term	Turn	ONL, NES		N-term	ARM
14_BG									OD1, ONL	OD2, C-term	N-term, Turn, ARM, NES	
22_01A1						Turn, ONL		OD1, NES	N-term, C-term		ARM, OD2	
35_A1D							OD1	Turn	ONL, NES, C-term		N-term, ARM	OD2

42_BF1					OD2	N-term, Turn, ONL, C-term	OD1, ARM, NES
63_02A6			OD2, ONL	N-term, OD1, NES	Turn, C-term	ARM	
71_BF1	OD2		OD1, ONL	Turn, C-term	N-term	ARM, NES	
85_BC				OD1,OD2	N-term, Turn, ARM	ONL, NES, C-term	
91_cpx				OD2	OD1, ONL	N-term, Turn, ARM,NES, C-term	
103_01B		Turn	OD2, ONL	OD1	C-term	ARM, NES	N-term

Annotated protein domains: N-term, N-terminal region; OD, Oligomerization domain; ARM, Arginine-Rich Motif; NES, Nuclear Export Signal; C-term, C-terminal region; ONL, OD-NES Linker.