

Supplemental Table S1: The primer sequences used for qRT-PCR, HIV-1 *pol* mutation assay

hA3G-qS1	GTG TTA TGA GGT GCA GCG CAT
hA3G-qAS1	GCC TTC AAG GAA ACC GTG TTT
hGANP-qS1	CCT CGA CCT GAT GCA ACG
hGANP-qAS1	GCA GAA GCA CTG AAG CTC CT
hGAPDH-F	GAA GGT GAA GGT CGG AGT C
hGAPDH-R	GAA GAT GGT GAT GGG ATT TC

HIV-1 <i>pol</i> region	
2137F	CAG AGC AGA CCA GAG CCA ACA GCC CCA CC
2544R	TTA AAG TGC AGC CAA TCT GAG TCA ACA

* qHIV-S	CTC TCT GGC TAA CTA GGG AAC
* qHIV-AS	CAA GCC GAG TCC TGC GTC GAG AGA TC
*** H1-S	GAC GCA GGA CTC GGC TTG
*** H1-AS	TGG CGT ACT CAC CAG TCG C
** H2-S	ATA ATC CAC CTA TCC CAG TAG GAG AAA
** H2-AS	TTT GGT CCT TGT CTT ATG TCC AGA ATG C
*** H3-S	AGT TGT CCC CCT AAC GGA CAC
*** H3-AS	TCC CGA ATC CTG CAA AGC
*** H4-S	GCC TTA GGC ATC TCC TAT GGC
*** H4-AS	GAT GAG CTC TTC GTC GCT GTC
*** H5-S	TGA GGG ACA ATT GGA GAA GTG A
*** H5-AS	TCT GCA CCA CTC TTC TCT TTG C
*** H6-S	CGA GAG CTG CAT CCG GAG TA
*** H6-AS	GAG GCT TAA GCA GTG GGT TCC
# UB-S	GAC GCT CTC GCA CCC ATC TC
# UB-AS	CTG AAG CGC GCA CGG CAA
# SS-S	GGC GGC GAC TGG AAG AAG C
# SS-AS	CTA TGA TTA CTA TGG ACC ACA C
# MS-S	GAC TCA TCA AGT TTC TCT ATC AAA
# MS-AS	AGT CTC TCA AGC GGT GGT
# B-actin-S	GAG CGG TTC CGC TGC CCT GAG GCA CTC
# B-actin-AS	GGG CAG TGA TCT CCT TCT GCA TCC TG
\$ hY1-S	GGC TGG TCC GAA GGT AGT GA
\$ hY1-AS	GCA GTA GTG AGA AGG GGG GA
\$ hY3-S	GGC TGG TCC GAG TGC AGT GG
\$ hY3-AS	GAA GCA GTG GGA GTG GAG AA
\$ hY4-S	GGC TGG TCC GAT GGT AGT GG
\$ hY4-AS	TTA GCA GTG GGG GGT TGT AT
\$ hY5-S	AGT TGG TCC GAG TGT TGT GG
\$ hY5-AS	AAC AGC AAG CTA GTC AAG CG
7SL-S	GCC TGT AGT CCC AGC TAC TC
& 7SL-AS	CAG CAC GGG AGT TTT GAC CT
7SL(Alu)-S	GCC TGT AGT CCC AGC TAC TC
& 7SL(S)-S	ATC GGG TGT CCG CAC TAA GPT
7SL(S)-AS	CCG AAC TTA GTG CGG ACA CC
7SL(linker)-S	AGG ATC GCT TGA GTC CAG
7SL(linker)-AS	GTG CGG ACA CCC GAT CG
& U1-S	CCA TGA TCA CGA AGG TGG TTT
& U1-AS	ATG CAG TCG AGT TTC CCA CAT
& U2-S	TTC TCG GCC TTT TGG CTA AG
& U2-AS	CTC CCT GCT CCA AAA ATC CA
& U4-S	GCC AAT GAG GTT TAT CCG AGG
& U4-AS	TCA AAA ATT GCC AAT GCC G
& U5-S	TGG TTT CTC TTC AGA TCG CAT AAA
& U5-AS	CCA AGG CAA GGC TCA AAA AAT
& U6-S	CTC GCT TCG GCA GCA CA
& U6-AS	AAC GCT TCA CGA ATT TGC GT

* Yeung et al, NAR, 2009

** Huang et al, Nature Med, 2007

*** Gringhuis et al, Nature Immunol, 2010

Jablonski et al, NAR, 2010

\$ Christov et al, MCB, 2006

& Galiveti et al, RNA, 2010

|| Keene et al, JVI, 2010