

Additional file 6

The matrix domain contributes to the nucleic acid chaperone activity of HIV-2 Gag

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Primers used in this study.

Molecule	Sequence
Generation of templates for <i>in vitro</i> transcription	
HIV-1 TAR	5'- <i>TAATACGACTCACTATAGGTCTCTCTTGTAGACCAGG</i> -3' 5'-GGGTTCTTGCTAGCCAGAGAGCTCCCGGGCTCGACCTGGTCTAACAA GAGAGACC-3'
tRNA ^{Lys3}	5'- <i>TAATACGACTCACTATAGCCCGGATAGCTCAGTCGGTAGAGCATCAGAC</i> TTTAAATCTGAGGGTCCAG-3' 5'-TGGCGCCCGAACAGGGACTTGAACCCTGGACCCTCAGATT-3'
HIV-2 TARpA	5'- <i>GAATTCTAATACGACTCACTATAGGGTCGCTCTGCGGAGAG</i> -3' 5'-CACACACTTAACTTGCTTCT-3'
HIV-2 PBS	5'- <i>GAATTCTAATACGACTCACTATAGTCCTAGTCGCCGCCT</i> -3' 5'-TCCTGCCGCCCTTACTGCCT-3'
HIV-2 Ψ	5'- <i>GAATTCTAATACGACTCACTATAGACAAACCACGACGGAGTGCT</i> -3' 5'-GTTTCTCGCGCCCATCTCCCACAATCTTCTACCTG-3'
+1 – 444 HIV-2 RNA	5'- <i>GAATTCTAATACGACTCACTATAGGGTCGCTCTGCGGAGAG</i> -3' 5'-CGCTCCACACGCTGCCTTTG-3'
+1 – 560 HIV-2 RNA	5'- <i>GAATTCTAATACGACTCACTATAGGGTCGCTCTGCGGAGAG</i> -3' 5'-GTTTCTCGCGCCCATCTCCCACAATCTTCTACCTG-3'
+1 – 891 HIV-2 RNA	5'- <i>GAATTCTAATACGACTCACTATAGGGTCGCTCTGCGGAGAG</i> -3' 5'-CTGCAGTTCCTGTTTCTGCCACTA-3'
Reverse transcription	
186	5'-CGACTAGGAGAGATGGGAGC-3'
540	5'-GTTTCTCGCGCCCATCTCCCA-3'
787	5'-GCACCAAATGACGCAGACAG-3'

^aPromotor of T7 polymerase is annotated in italic.