

3'-CUC CAC ACA UCC ACC AC^X ACC UCA ACU GU
5' - HOP*(O)₃ - GAG GTG TGT AGG TGG TGY U

^X= 1 - G; 2 - I; 3 - 8-oxoG; 4 - 8-oxoI; 9 - 8-BrI
^Y= 10 - A; 11 - C

HIV-RT

Y = 11 - C

X = G 8-oxoG I 8-oxoI
dNTP - G C T A M - G C T A M - G C T A M - G C T A M

% cDNA synthesis

63.2 ± 11.5

14.9 ± 14

39.4 ± 9.2

NA

Y = 10 - A

X = G 8-oxoG I 8-oxoI
dNTP - G C T A M - G C T A M - G C T A M - G C T A M

% cDNA synthesis

41.8 ± 4.7

21.8 ± 3.6

11.5 ± 2.8

NA

X = 8-BrI

Y = C A C A
dNTP - G C T A M - G C T A M - G C T A M - G C T A M

dG added in app. 18%
in all cases

Full cDNA elongation
occurred in app. 21%
in all cases

S14 File. Duplexes 1:10 – 4:10, 1:11 – 4:11 and 9:10 / 9:11 in the presence of HIV-RT