

(A)

A T A
A T
T T
A A
T C
G C
C G
C G
T A
A T
C G
T G
G C
G C
C G

(B)

G/GATCCAAGCGGTCATCCGTATAATATTACCGGATGGCCGC/GGCCGCAAAAGAGCT/C
BamHI NotI SacI

AAG CGCTTTTCCT
CGCCGCTCCT

original viral sequence
after site-directed mutagenesis