

Absent Sites	0	AarI,AbstI,AlfI,AlfI',Ascl,AvrII,BaeI,BaeI',BamHI,BarI,BarI',BclI,BmgBI,BsiWI,BsrGI,BstBI,BstEII,BstXI,BstZ17I,FspAI,HpaI,MauBI,MreI,PmlI,PsrI,PsrI',SbfI,SfiI,SgrAI,Smal,SphI,SrfI,Swal,TstI,TstI',XcmI,XmaI
Acc65I	1	6757
AfeI	1	3195
AgeI	1	3199
AhdI	1	8222
AjuI	1	3927
AjuI'	1	3895
AleI	1	1920
Alol	1	4642
Alol'	1	4610
Apal	1	2572
AsiSI	1	3578
BbeI	1	984
BcgI	1	8727
BcgI'	1	8761
BlpI	1	4676
BmtI	1	3194
BsaBI	1	4419
BspMI	1	3527
BssHII	1	1054
Bsu36I	1	6753
EcoNI	1	1513
FseI	1	1491
FspI	1	8444
KasI	1	980
KpnI	1	6761
MscI	1	5568
NarI	1	981
NheI	1	3190
NotI	1	4241
NsiI	1	2598
PacI	1	5933
PciI	1	5909
PfoI	1	6304
PshAI	1	3241
PsiI	1	4275
PspOMI	1	2568
PspXI	1	4700
RsrII	1	3622
SanDI	1	2277
SexAI	1	4299
SfoI	1	982
SgrDI	1	2
SpeI	1	253
StuI	1	4371
XbaI	1	2576
XhoI	1	4700

p201 (pPRIME-CMV-GFP-FF3)

SgrDI

5' gtcgacggatcgggagatctcccgatcccctatggtgcactctcagtacaatctgctctgatgccgcatagttaagccagtatctgctccctgcttgtgt
 100
 3' cagctgcctagccctctagagggctaggggataccacgtgagagtcagttagacgagactacggcgtatcaattcgggtcatagacgagggacgaacaca
 +

5' gttggaggtcgctgagtagtgcgcgagcaaaathtaagctacaacaaggcaaggcttgaccgacaattgcatgaagaatctgcttaggggttaggcgttt
 200
 3' caacctccagcgactcatcacgcgctcgttttaaattcgatggttccgttccgaactggctgtaacgtacttcttagacgaatccaatccgcaaaa
 +

Spel

5' gcgctgcttcgogatgtacgggcccagatatacgcgcttgacattgattattgactagttattaatagtaatacaattacgggggtcattagttcatagcccat
 300
 3' cgcgacgaagcgctacatgcccggctctatatgcgcaactgtaactaataactgatcaataattatcattagttaatgcccagtaatacaagtatcgggta
 +

5' atatggagttccgcttacataaacttacggtaaatggcccgcctggctgaccgcccaacgacccccgccattgacgtcaataatgacgtatgtcccat
 400
 3' tatacctcaaggcgcaatgtattgaatgccatttacggggcggaccgactggcgggtgctggggcgggtaactgcagttattactgcatacaagggt
 +

5' agtaacgccaatagggactttccattgacgtcaatgggtggagatattacggtaaaactgcccaacttggcagtacatcaagtgtatcatatgccaaagtacg
 500
 3' tcatgcggttatccctgaaaggtaactgcagttaccacactcataaatgccattgacgggtgaaccgtcatgtagttcacatagatacggttcatgc
 +

5' cccctattgacgtcaatgacggtaaatggcccgcctggcattatgccagtacatgacctatgggactttcctacttggcagtacatctacgtattag
 600
 3' gggggataactgcagttactgccatttaccgggcccggaccgtaatacgggtcatgtactggaataccctgaaaggatgaaccgtcatgtagatgcataatc
 +

5' tcatcgctattaccatggtgatgcgggttttggcagtacatcaatgggcgtggatagcgggttgactcacggggatttccaagtctccacccattgacgt
 700
 3' agtagcgataatggtaccactacgcaaaaaccgtcatgtagttaccgcacactatcgccaaactgagtgcccctaaagggttcagaggtgggtaactgca
 +

5' caatgggagttgttttggcaccaaaatcaacgggactttccaaaatgtcgtacaactccgccccattgacgcaaatggcggttaggcgtgtacgggtg
 800
 3' gttaccctcaaacaaaaccgtggttttagttgcctgaaagggttttacagcatggttgaggcgggtaactgcgtttaccggccatccgcacatgccacc
 +

5' gaggtctatagaccagatctgagcctgggagctctctggctaactaggaaccactgcttaagcctcaataaagcttgcttgagtgctcaagtagtg
 900
 3' ctccagatatctggctagactcggaccctcgagagaccgattgatccctgggtgacgaattcggagttatttgaacggaactcacgaagttcatcac
 +

LTR

KasI
 NarI
 SfoI
 BbeI

5' tgtgccgctctgttgtgtgactctggtaaactagagatccctcagacccttttagtcagtggtgaaaaatctctagcagtgggcggccgaacagggacttgaa
 1000
 3' acacgggcagacaacacactgagaccattgatctctagggagctctgggaaaaatcagtcacaccttttagagatcgtcaccgcgggcttgctccctgaactt
 +

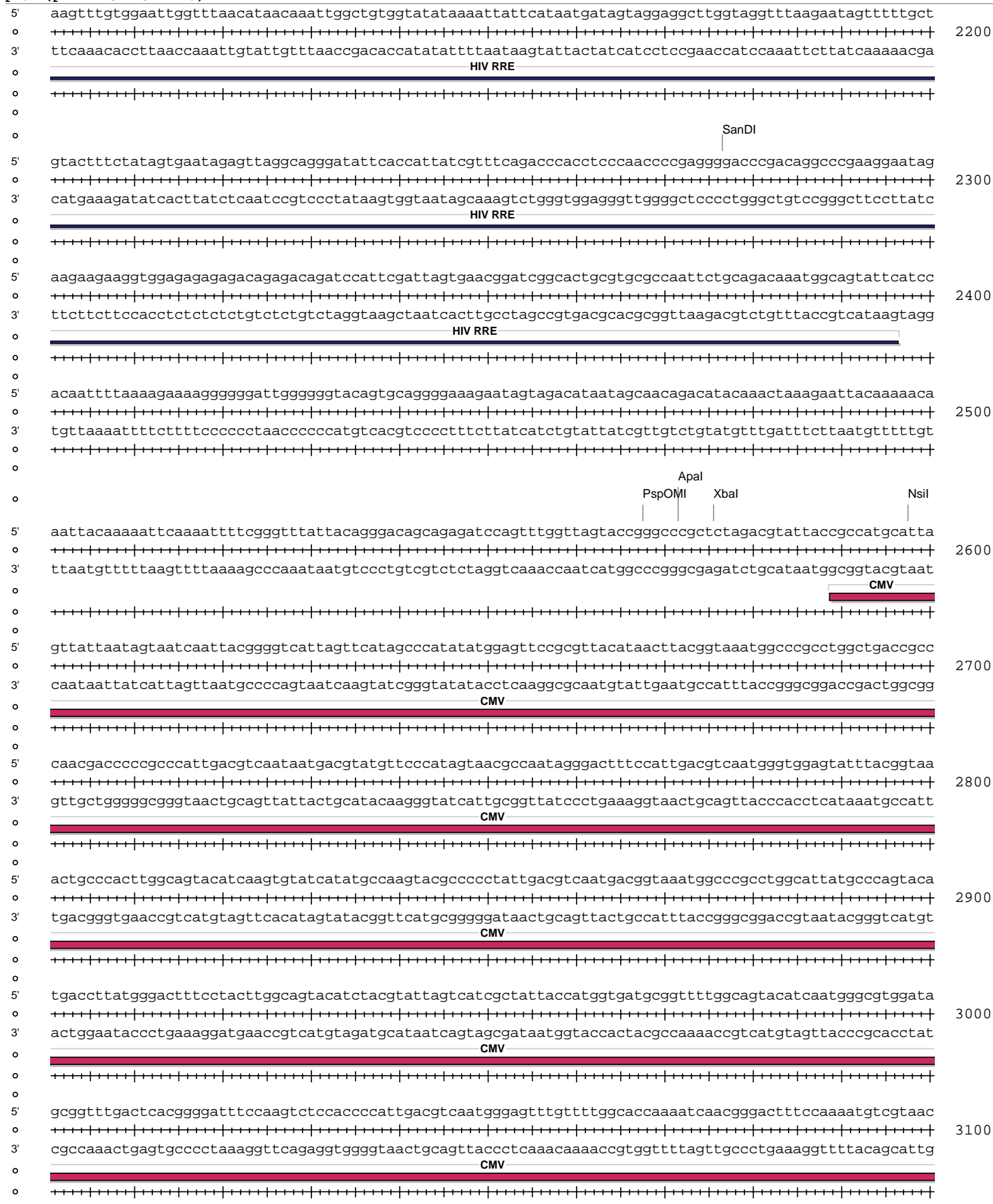
LTR

BssHII

5' agcgaagggaaccagaggagctctctcgacgcaggactcggcttctgaagcgcgcacggcaagaggcgaggggcggcactggtgagtagcgcacaaa
 1100
 3' tcgctttcccttggctcctcagagagactgcgctcctgagccgaacgacttcgcgcggtgccgttctccgctccccgcccgtgaccactcatgcggtttt
 +

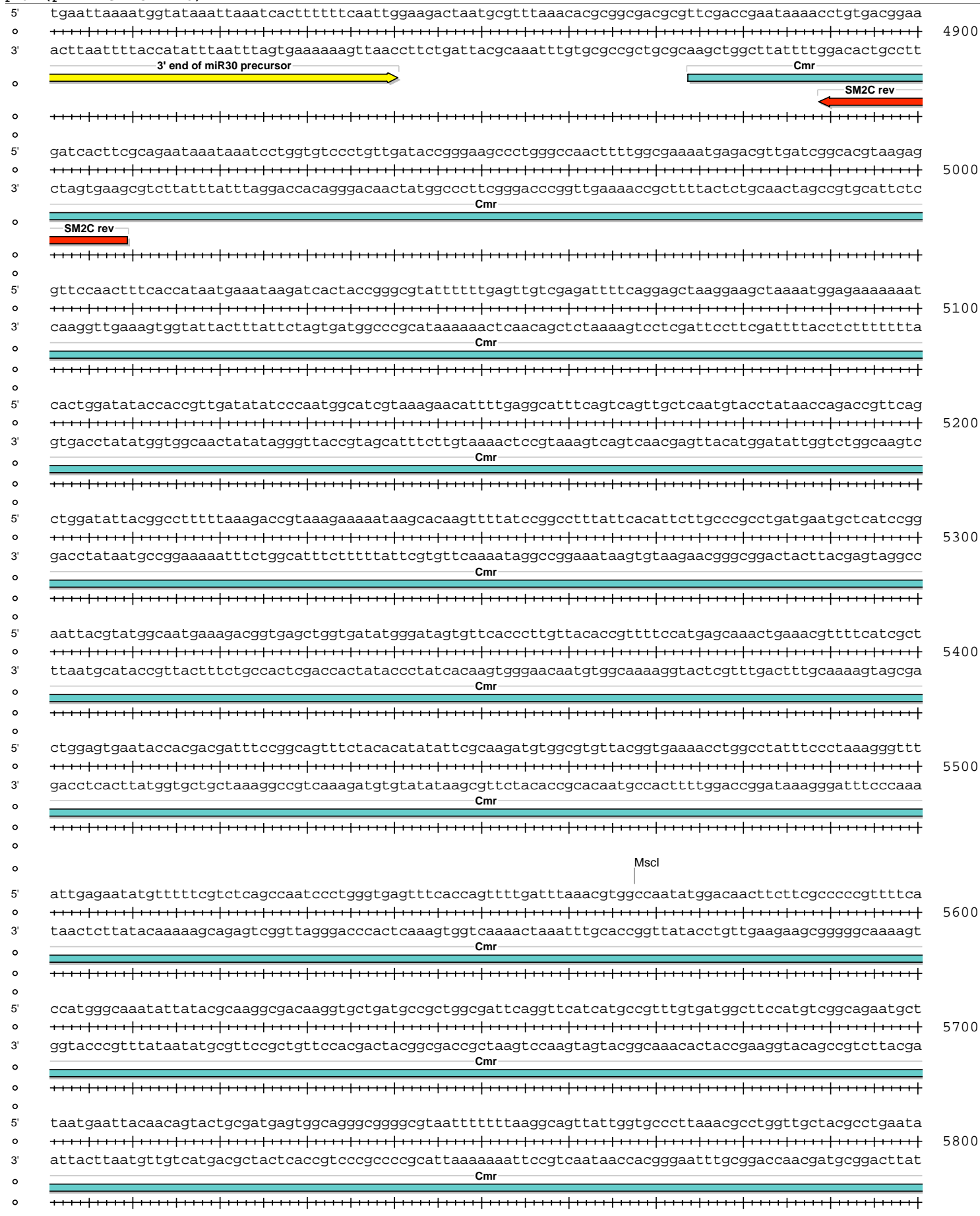
LTR

p201 (pPRIME-CMV-GFP-FF3)

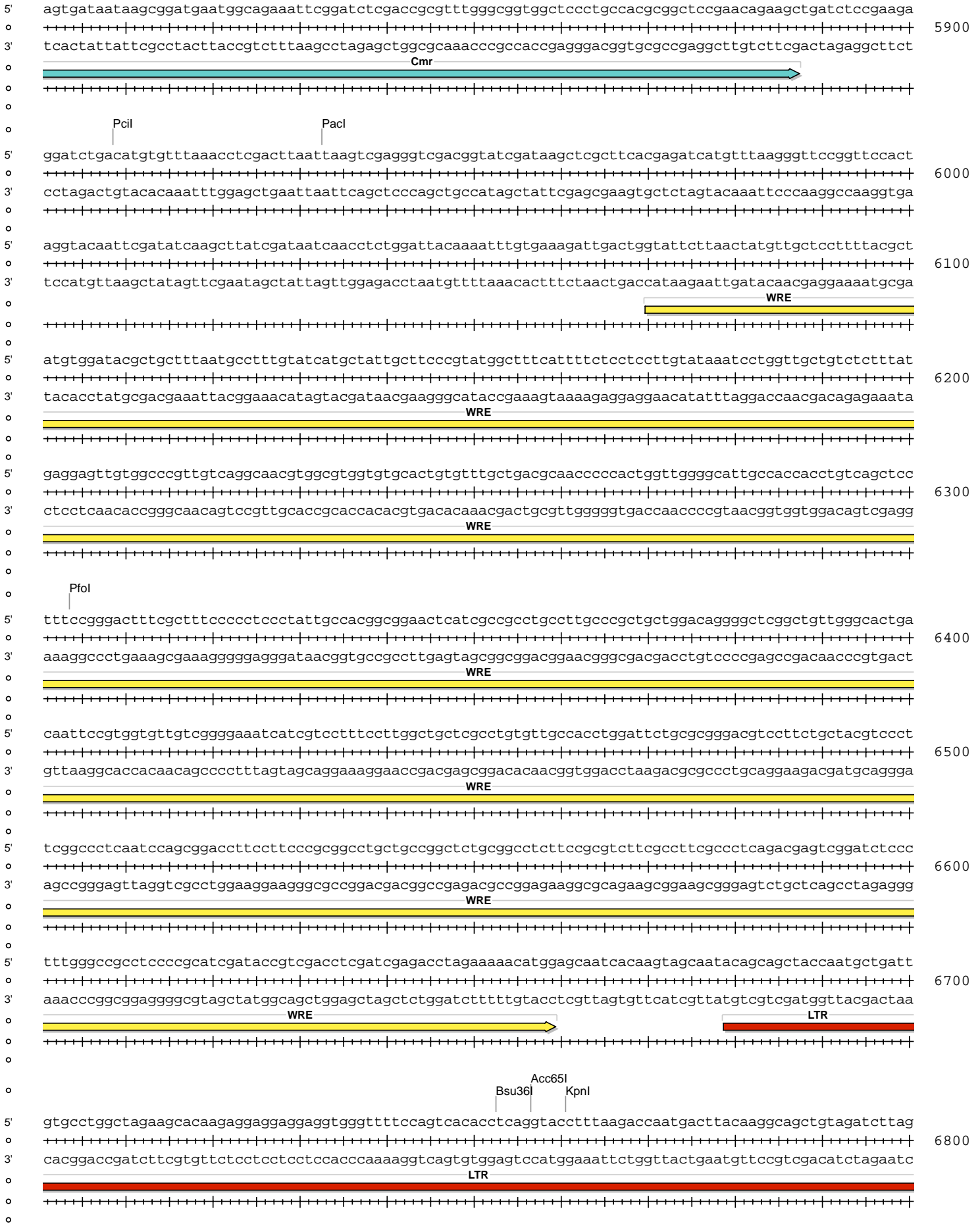




p201 (pPRIME-CMV-GFP-FF3)



p201 (pPRIME-CMV-GFP-FF3)



p201 (pPRIME-CMV-GFP-FF3)

5' ccacttttttaaagaaaaggggggactggaagggttaattcactcccaacgaagacaagatatccttgatctgtggatctaccacacacaaggctacttc
o ++++++
3' ggtgaaaaatcttctttccccctgaccttcccgattaaagtgaggggttctctgttctataggaactagacacctagatgggtgtgttccgatgaag
o LTR
o ++++++
o ++++++

5' cctgatggcagaactacacaccaggggccagggatcagatatccactgaccttggatgggtgctacaagctagtaccagttgagcaagagaaggtagaag
o ++++++
3' ggactaacctgtcttgatgtgtgggtcccggtccctagctctataggtgactggaacacctaccacgatgttcgatcatgggtcaactcgttctctccatcttc
o LTR
o ++++++
o ++++++

5' aagccaatgaaggagagaacacccgcttgttacaccctgtgagcctgcatgggatggatgacccggagagagaagtattagagtggaggtttgacagccg
o ++++++
3' ttcggttacttctctcttctgtggggaacaatgtgggacactcggacgtacctactgggctctctctctcataatctcacctccaaactgtcggc
o LTR
o ++++++
o ++++++

5' cctagcatttcatcacatggcccagagctgcatccggactgtactgggtctctctgggttagaccagatctgagcctgggagctctctggtaactaggg
o ++++++
3' ggatcgtaaagttagtgaccgggtctctcgacgtaggcctgacatgaccagagagaccaatctggcttagactcggaccctcgagagaccgattgatccc
o LTR
o ++++++
o ++++++

5' aaccactgcttaagcctcaataaagcttgccctgagtgcttcaagtagtggtgcccgtctgtgtgtgactctggtaactagagatccctcagacct
o ++++++
3' ttgggtgacgaattcggagttatttcgaacggaactcacgaagttcatcacacacgggcagacaacacactgagaccattgatctctaggagctcggga
o LTR
o ++++++
o ++++++

5' ttagtcagtggtgaaaatctctagcagcatgtgagcaaaaggccagcaaaaggccaggaaccgtaaaaaggccggttctggtggcttttccataggct
o ++++++
3' aaatcagtcacaccttttagagatcgtcgtacactcgttttccggtcgttttccggtccttggcatttttccggcgcaacgaccgcaaaaaggatccga
o LTR
o ++++++
o ++++++

5' ccgccccctgacgagcatcacaaaaatcgacgctcaagtcaaggtggcgaacccgacaggactataaagataccaggcgtttcccctggaagctcc
o ++++++
3' ggccgggggactgctcgtagtggttttagctgaggttcagtcctccaccgcttgggctgtcctgatatttctatgggtccgcaaaaggggaccttcgagg
o ++++++
o ++++++

5' ctctgctcctcctgttccgacctgccgcttaccggatacctgtccgctttctcccttcgggaagcgtggcgtttctcatagctcacgctgtaggt
o ++++++
3' gagcacgagagaggacaaggctgggacggcgaatggcctatggacaggcggaaagagggaagcccttcgaccgcaaaagagatcgagtgcgacatcca
o ++++++
o ++++++

5' atctcagttcgggtgtaggtcgttcgctccaagctgggctgtgtgcacgaacccccgttcagcccagaccgctgctccttatccggttaactatcgtcttga
o ++++++
3' tagagtcaagccatccagcaagcaggttcgacctgacacacgtgcttgggggcaagtccggctggcgacgcaaataggccattgatagcagaact
o ++++++
o ++++++

5' gtccaaccggtaagacacgacttatcgccactggcagcagccactggtaacaggattagcagagcaggtatgtaggcggtgctacagagttcttgaag
o ++++++
3' caggttgggcatctctgtgctgaatagcgggtgaccgctcgtcggtgaccattgtcctaactcgtctcgtccatacatccgccacgatgtctcaagaacttc
o ++++++
o ++++++

5' tgggtggcctaactacggctacactagaagaacagtatttggatctgcgctctgctgaagccagttaccttcgaaaaagagttggtagctcttgatccg
o ++++++
3' accaccggatgatgcccagtgatcttctgtcataaacatagacgcgagacgacttcggtcaatggaagccttttctcaacctcgagaactaggg
o ++++++
o ++++++

5' gcaaacaccacgctggtagcgggtgtttttgtttgcaagcagcagattacgcgcagaaaaaaggatctcaagaagatcctttgatcttttctac
o ++++++
3' cgttgggtgggacccatcgccacaaaaaacaaacggttcgctcgtcctaatgctcgtcttttttccctagagttctcttaggaaactagaaaagatg
o ++++++
o ++++++

