

Absent Sites	0	Aarl,AbsI,Ajul,Ajul',AlfI,AlfI',Alol,Alol',Ascl,AsiSI,AvrII,BaeI,BaeI',BamHI,BarI,BarI',BclI,BlpI,BmgBI,BsaBI,BsiWI,BspMI,BstBI,BstEII,FspAI,HpaI,MauBI,MreI,PmlI,PshAI,Psil,PspXI,Psrl,Psrl',RsrII,Sbfl,SexAI,SfiI,SgrAI,SmaI,SphI,SrfI,Swal,TstI,TstI',Tth111I,XcmI,XhoI,XmaI
Acc65I	1	6602
AfeI	1	3195
AgeI	1	3199
AhdI	1	8067
BbeI	1	984
BbvCI	1	1767
BmtI	1	3194
BsaXI	1	2191
BsaXI'	1	2161
BssHII	1	1054
BstXI	1	4291
BstZ17I	1	4223
Bsu36I	1	6598
EcoNI	1	1513
EcoRI	1	4562
FseI	1	1491
FspI	1	8289
KasI	1	980
KpnI	1	6606
MscI	1	5413
NarI	1	981
NheI	1	3190
NotI	1	3932
NsiI	1	2598
PacI	1	5778
PciI	1	5754
PpuMI	1	2277
PstI	1	2380
SacII	1	6379
SanDI	1	2277
SfoI	1	982
SgrDI	1	2
SpeI	1	253
XbaI	1	2576

p201 (pPRIME-CMV-GFP-FF3)

SgrDI

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 3' cagctgcctagccctctagagggctaggggataccacgtgagagtcagttagacgagactacggcgtatcaattcgggtcatagacgagggacgaacaca
 +

5' gttggaggtcgctgagtagtgcgcgagcaaaathtaagctacaacaaggcaaggcttgaccgacaattgcatgaagaatctgcttaggggttaggcgtttt
 200
 3' caacctccagcgactcatcacgcgctcgttttaattcgatggtgttccgttccgaactggctgtaacgtacttcttagacgaatccaatccgcaaaa
 +

Spel

5' gcgctgcttcgogatgtacgggcccagatatacgcgcttgacattgattattgactagttattaatagtaatacaattacgggggtcattagttcatagcccat
 300
 3' cgcgacgaagcgctacatgcccggctctatatgcgcaactgtaactaataactgatcaataattatcattagttaatgcccagtaatacaagtatcgggta
 +

5' atatggagttccgcttacataaacttacggtaaatggcccgcctggctgaccgcccacgacccccgccattgacgtcaataatgacgtatgttcccat
 400
 3' tatacctcaaggcgcaatgtattgaatgccatttacggggcggaccgactggcgggttgctggggcgggtaactgcagttattactgcatacaagggt
 +

5' agtaacgccaatagggactttccattgacgtcaatgggtggagatattacggtaaaactgcccaacttggcagtacatcaagtgtatcatatgccaaagtacg
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 +

LTR

KasI
 NarI
 SfoI
 BbeI

5' tgtgccgctctgttgtgtgactctggtaaactagagatccctcagacccttttagtcagtggtgaaaaatctctagcagtgggcggccgaacagggacttgaa
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LTR

BssHII

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 3' tcgctttcccttggctcctcagagagactgcgctcctgagccgaacgacttcgcgcggtgccgttctccgctccccgcccgtgaccactcatgcggtttt
 +

LTR

p201 (pPRIME-CMV-GFP-FF3)

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 o
 o
 o
 LTR

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 o
 o
 o
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 LTR HIV RRE

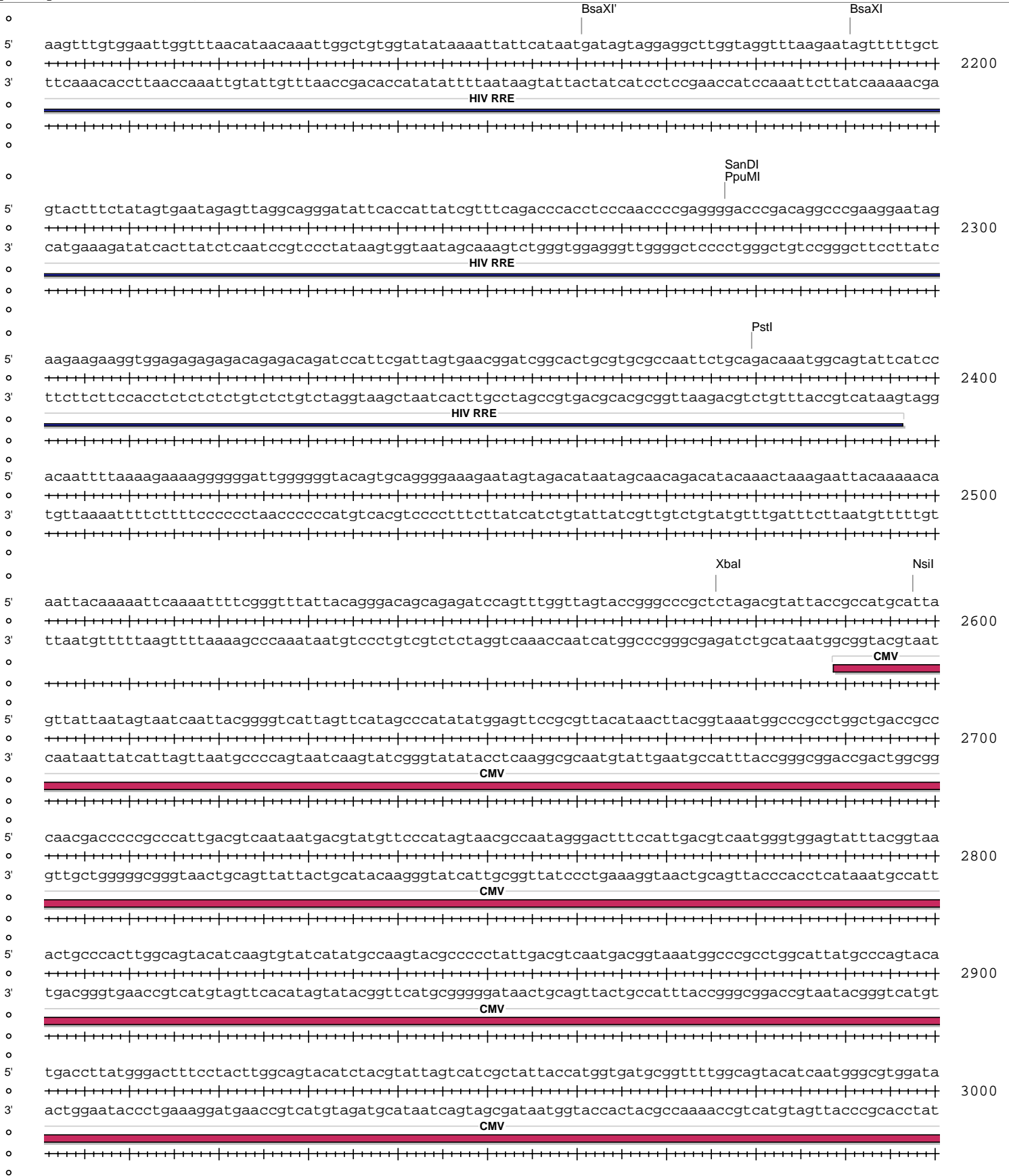
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 HIV RRE

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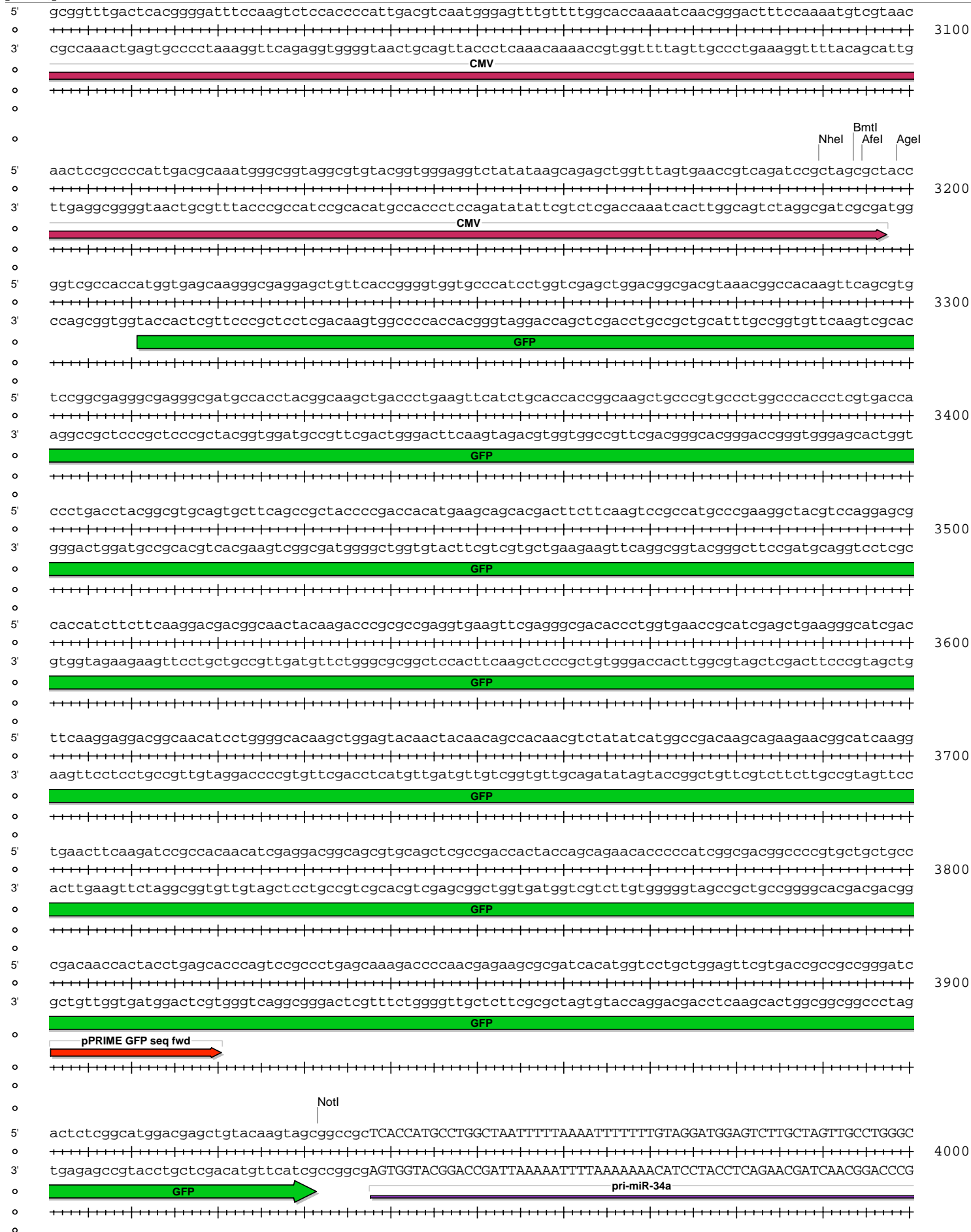
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 HIV RRE

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 HIV RRE

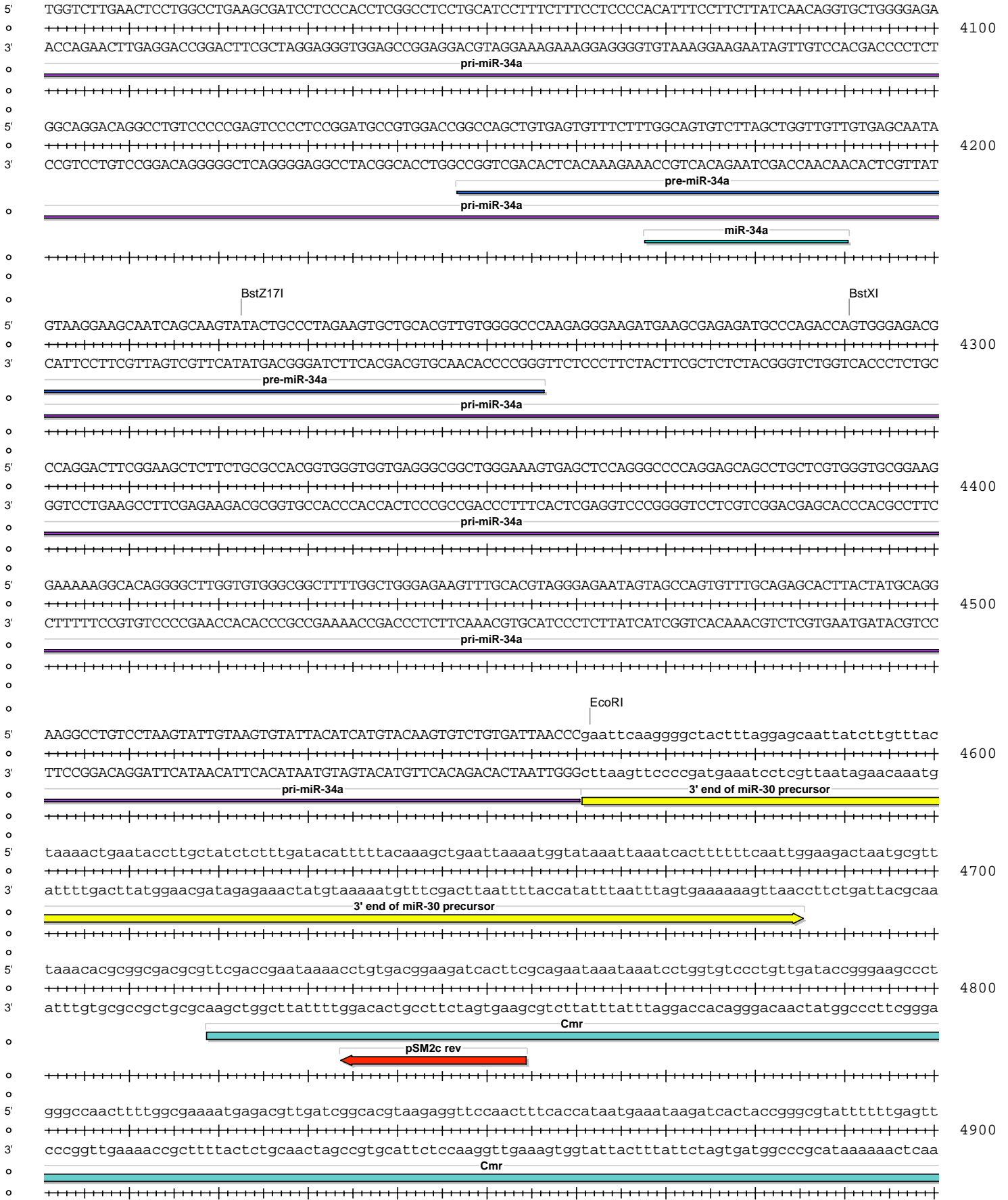
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 o
 o
 o
 HIV RRE



p201 (pPRIME-CMV-GFP-FF3)



p201 (pPRIME-CMV-GFP-FF3)



p201 (pPRIME-CMV-GFP-FF3)

5' gtcgagattttcaggagctaaggaagctaaaatggagaaaaaaatcactggatataccaccgttgatatacccgaatggcatcgtaaagaacattttgag
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 Cmr
 5100

5' gcatttcagtcagttgctcaatgtacctataaccagaccgttcagctggatattacggccttttaagaccgtaaagaaaaataagcacaagttttatc
 3' cgtaaagtcagtcacagagttacatggatattggctctggcaagtgcacctataatgccggaaaaatttctggcatttctttttattcgtgttcaaaatag
 Cmr
 5200

5' cggcctttattcacattcttgcccgcctgatgaatgctcatccggaattacgtatggcaatgaaagacggtgagctggtgatatgggatagtggtcacc
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 Cmr
 5300

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 Cmr
 5400

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 Cmr
 MscI
 5500

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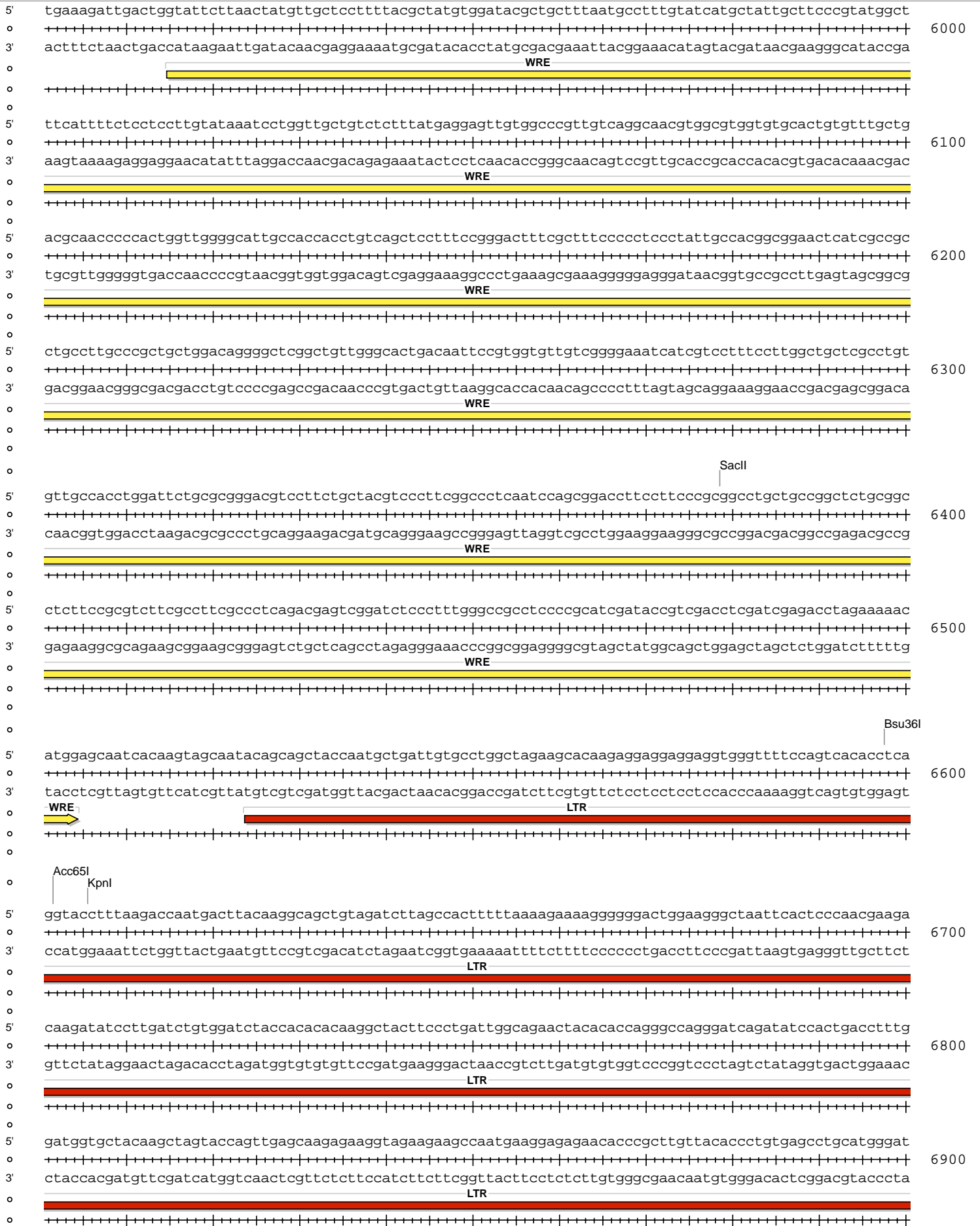
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 5700

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 Cmr
 PciI Pacl
 5800

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 Cmr
 5900

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 3' tattcagagcaagtgctctagtacaaattcccaaggccaagggtgatccatgttaagctatagttcgaaatagctattagttggagacctaatgttttaac

p201 (pPRIME-CMV-GFP-FF3)



p201 (pPRIME-CMV-GFP-FF3)

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5'   ggatgacccggagagagaagtattagagtggaggttgacagccgcttagcatttcacacatggcccagagctgcatccggactgtactgggtctctc
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3'   cctactgggctctctctcataatctcacctccaaactgtcggcggatcgtaagtagtgtaccgggctctcgacgtaggcctgacatgaccagagag
o
o   LTR
o   ++++++
5'   tggtagaccagatctgagcctgggagctctctggctaactagggaaaccactgcttaagcctcaataaagcttgacctgagtgctcaagtagtgtgtg
o   ++++++
3'   accaatctggcttagactcggaccctcgagagaccgatgatcccttgggtgacgaattcggagttatttcgaacggaactcacgaagtcatcacacac
o
o   LTR
o   ++++++
5'   cccgtctgttgtgactctggttaactagagatccctcagacccttttagtcagtggtgaaaatctctagcagcatgtgagcaaaaggccagcaaaaggc
o   ++++++
3'   gggcagacaacacactgagaccattgatctctagggagtctgggaaaatcagtcacacacctttagagatcgtcgtacactcgttttccggctcgtttccg
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o   LTR
o   ++++++
5'   caggaaaccgtaaaaaggccgcgcttgctggcgtttttccataggctccgccccctgacgagcatcacaaaaatcgacgctcaagttagaggtggcgaaac
o   ++++++
3'   gtccttggcatttttccggcgcaacgacccgcaaaaaggatccgaggcgggggactgctcgtagtgttttagctgcgagttcagttccaccgcttgg
o
o   LTR
o   ++++++
5'   ccgacaggactataaagataaccaggcgtttcccctggaagctccctcgtgcgctctcctgttccgacctgcccgttacccgataacctgtccgcctttc
o   ++++++
3'   ggctgtcctgatatttctatggtccgcaagggggaccttccgaggagcagcgcgagaggacaaggctgggacggcgaatggcctatggacaggcggaaag
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5'   tcccttcgggaagcgtggcgctttctcatagctcacgctgtaggtatctcagttcgggtgtaggtcgttcgctccaagctgggctgtgtgcacgaaccccc
o   ++++++
3'   agggaaagcccttcgcaccgcgaagagatcgagtgcgacatccatagagtcaagccacatccagcaagcgaggttcgacccgacacacgtgcttggggg
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o
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o   ++++++
3'   gcaagtccggctggcgacgcggaataggccattgatagcagaactcaggttgggccattctgtgctgaatagcggtagccgtcgtcggtgaccatgtgcc
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o
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o
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AhdI

p201 (pPRIME-CMV-GFP-FF3)

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