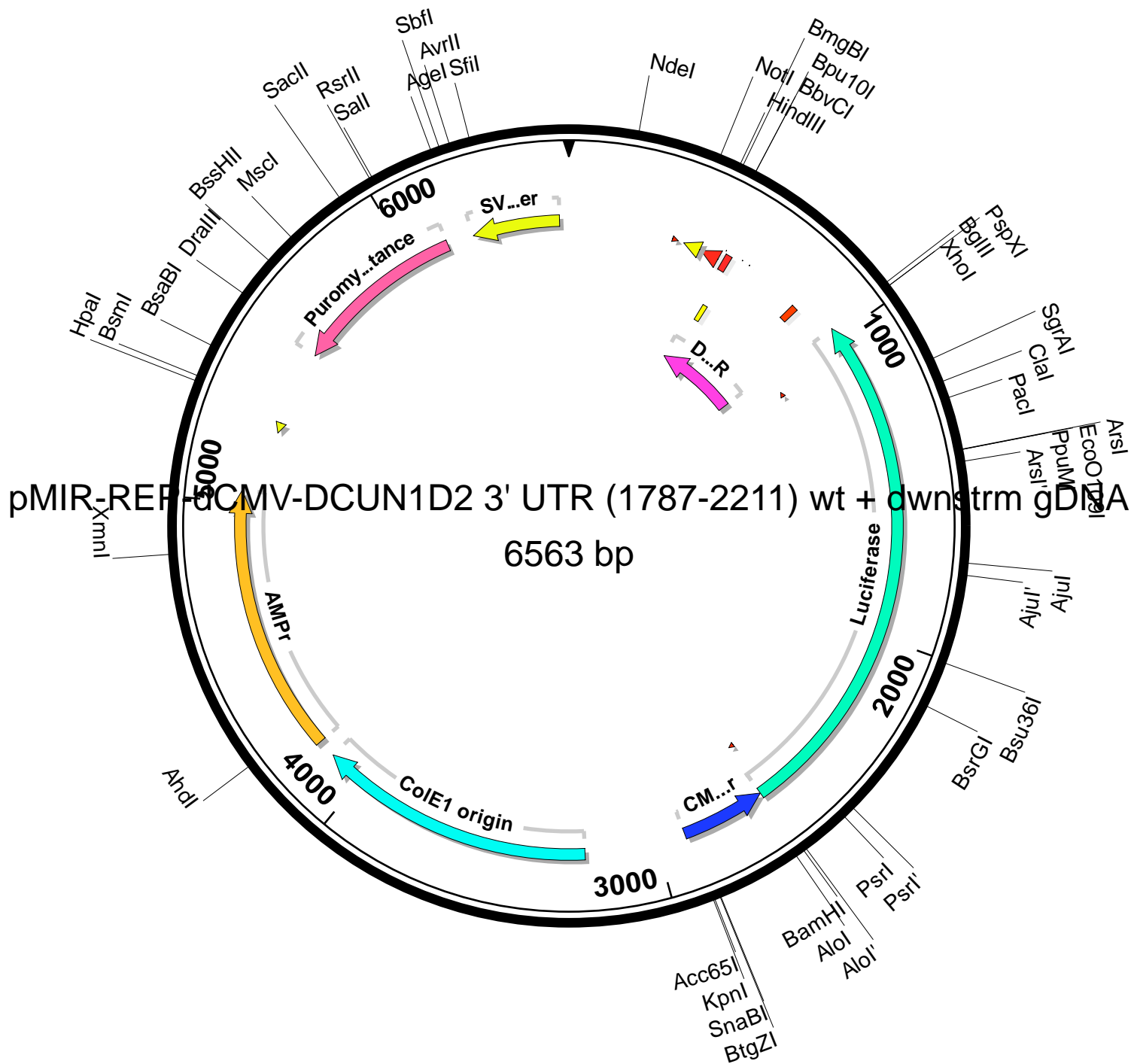


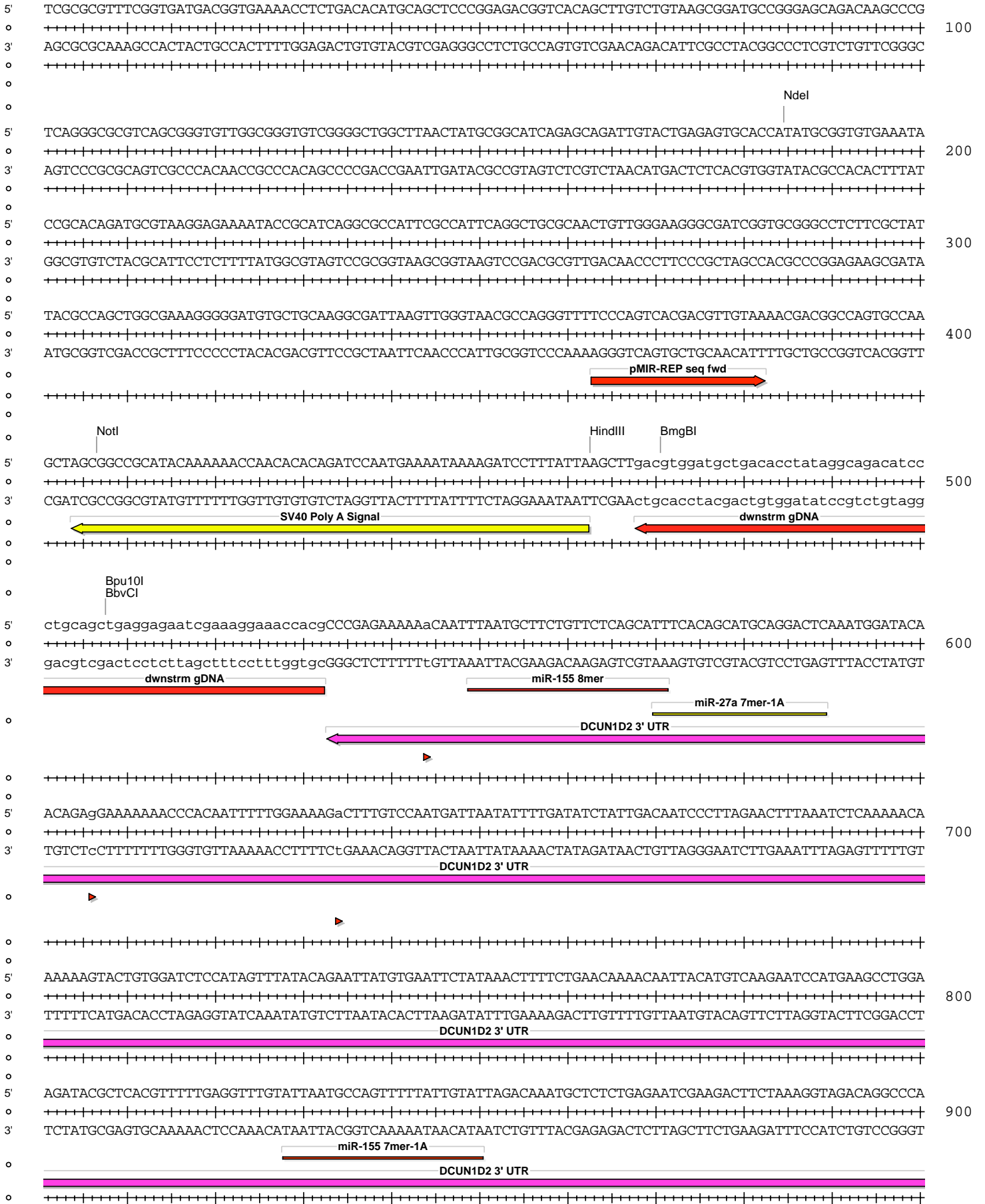
pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA

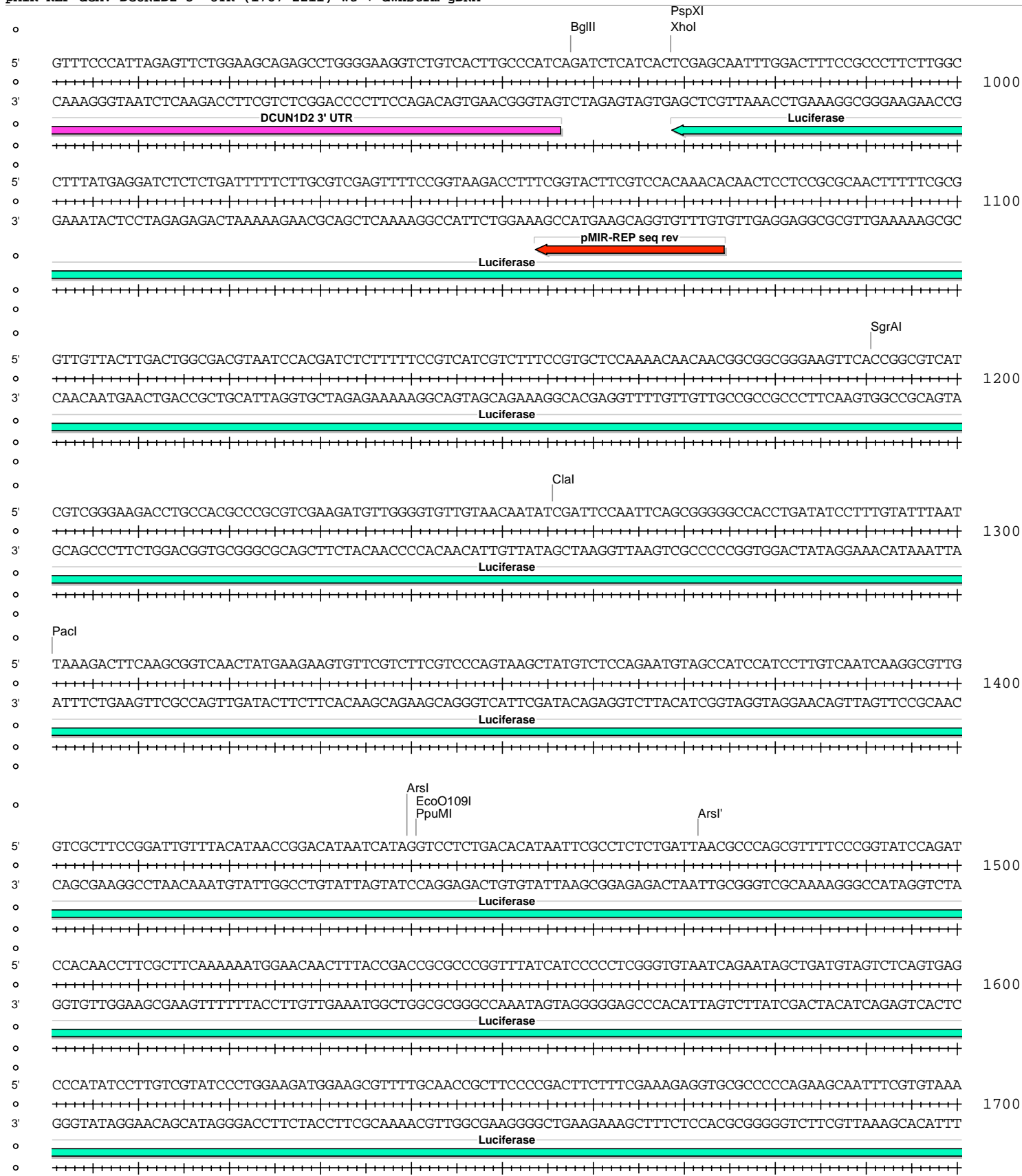


pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA

Absent Sites	0	AarI,AbstI,AfeI,AfIII,AleI,ApaI,AscI,AsiSI,BaeI,BaeI',BarI,BarI',BclI,BlpI,BsgI,BstXI,BstZ17I,EcoICRI,Fall,Fall',FseI,FspAI,MauBI,MluI,MreI,NaeI,NgomIV,NruI,PasI,PfIMI,PmeI,PmlI,PshAI,PspOMI,SacI,SanDI,SgrDI,SpeI,SrfI,Swal
Acc65I	1	2893 (6563)
AgeI	1	6196 (6563)
AhdI	1	4250 (6563)
AjuI	1	1739 (6563)
AjuI'	1	1771 (6563)
Alol	1	2652 (6563)
Alol'	1	2620 (6563)
Arsl	1	1440 (6563)
Arsl'	1	1472 (6563)
AvrII	1	6247 (6563)
BamHI	1	2628 (6563)
BbvCI	1	508 (6563)
BglIII	1	958 (6563)
BmgBI	1	471 (6563)
Bpu10I	1	508 (6563)
BsaBI	1	5412 (6563)
BsmI	1	5325 (6563)
BsrGI	1	2129 (6563)
BssHII	1	5680 (6563)
Bsu36I	1	2007 (6563)
BtgZI	1	2878 (6563)
ClaI	1	1256 (6563)
DrallI	1	5571 (6563)
EcoO109I	1	1441 (6563)
HindIII	1	463 (6563)
HpaI	1	5311 (6563)
KpnI	1	2897 (6563)
MscI	1	5764 (6563)
NdeI	1	185 (6563)
NotI	1	407 (6563)
PacI	1	1301 (6563)
PpuMI	1	1441 (6563)
PspXI	1	969 (6563)
Psrl	1	2490 (6563)
Psrl'	1	2458 (6563)
RsrII	1	6020 (6563)
SacII	1	5927 (6563)
Sall	1	6027 (6563)
SbfI	1	6219 (6563)
SfiI	1	6301 (6563)
SgrAI	1	1191 (6563)
SnaBI	1	2876 (6563)
XhoI	1	969 (6563)
XmnI	1	4849 (6563)

pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA





pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA

o

5' TTAGATAAATCGTATTTGTCAATCAGAGTGCTTTTGGCGAAGAATGAAAATAGGGTTGGTACTAGCAACGCACCTTTGAATTTTGTAAATCCTGAAGGGATC 1800

o

3' AATCTATTTAGCATAAACAGTTAGTCTCACGAAAACCGCTTCTTACTTTTATCCCAACCATGATCGTTGCGTGAAACTTAAAACATTAGGACTTCCCTAG

o

Luciferase

o

o

5' GTAAAAACAGCTCTTCTTCAAATCTATACATTAAGACGACTCGAAATCCACATATCAAATATCCGAGTGTAGTAAACATTCCAAACCGTGATGGAATGG 1900

o

3' CATTTTTGTGCGAGAAGAAGTTTAGATATGTAATCTGCTGAGCTTTAGGTGTATAGTTTATAGGCTCACATCATTTGTAAGGTTTTGGCACTACCTTACC

o

Luciferase

o

o

5' GACAACACTTAAAATCGCAGTATCCGGAACGATTTGATTGCCAAAAATAGGATCTCTGGCATGCGAGAATCTGACGCAGGCAGTTCTATGCGGAAGGGCC 2000

o

3' CTGTTGTGAATTTTAGCGTCATAGGCCCTTGCTAAACTAACGGTTTTTATCCTAGAGACCGTACGCTCTTAGACTGCGTCCGTCAAGATACGCCCTCCCGG

o

Luciferase

o

o

o

Bsu36I

5' ACACCCTTAGGTAACCCAGTAGATCCAGAGGAATTCATTATCAGTGCAATTTGTTTTGTACGATCAAAGGACTCTGGTACAAAATCGTATTCATTAAAAC 2100

o

3' TGTGGGAATCCATTGGGTCATCTAGGTCCTTAAGTAATAGTCACGTTAACAAAACAGTGCTAGTTTTCCTGAGACCATGTTTTAGCATAAGTAATTTTG

o

Luciferase

o

o

o

BsrGI

5' CGGGAGGTAGATGAGATGTGACGAACGTGTACATCGACTGAAATCCCTGGTAATCCGTTTTAGAAATCCATGATAATAATTTTCTGGATTATTGGTAATTT 2200

o

3' GCCCTCCATCTACTCTACACTGCTTGCACATGTAGCTGACTTTAGGGACCATTAGGCAAAATCTTAGGTACTATTATTAAGACCTAATAACCATTTAA

o

Luciferase

o

o

o

5' TTTTTGCACGTTCAAATTTTTTGAACCCCTTTTTGGAAACAAACACTACGGTAGGCTGCGAAATGTTTCACTGTTGAGCAATTCACGTTTATTATAA 2300

o

3' AAAAACGTGCAAGTTTTTAAAAACGTTGGGGAAAAACCTTGTTTGTGATGCCATCCGACGCTTTACAAGTATGACAACCTGTTAAGTGAAGTAATATT

o

Luciferase

o

o

o

5' ATGTCGTTGCGGGCGCAACTGCAACTCCGATAAATAACGCGCCCAACACCGGCATAAAGAATTGAAGAGAGTTTTCACTGCATACGACGATTCTGTGAT 2400

o

3' TACAGCAAGCGCCCGGTTGACGTTGAGGCTATTTATGCGCGGGTTGTGGCCGTTTCTTAACTTCTCTCAAAGTGACGTATGCTGCTAAGACACTA

o

Luciferase

o

o

o

o

Psrl' Psrl

5' TTGTATTCAGCCCATATCGTTTCATAGCTTCTGCAACCGAACCGACATTTCGAAGTATTCCGCGTACGTGATGTTACCTCGATATGTGCATCTGTAAA 2500

o

3' AACATAAGTCGGGTATAGCAAAGTATCGAAGACGGTTGGCTTGCCTGTAAAGCTTCATAAGGCGCATGCACTACAAGTGGAGCTATACACGTAGACATTT

o

Luciferase

o

o

o

5' AGCAATGTTCCAGGAACAGGGCGTATCTCTTCATAGCCTTATGCAAGTTGCTCTCCAGCGGTTCCATCCTCTAGAGGATAGAATGGCGCCGGCCTTTC 2600

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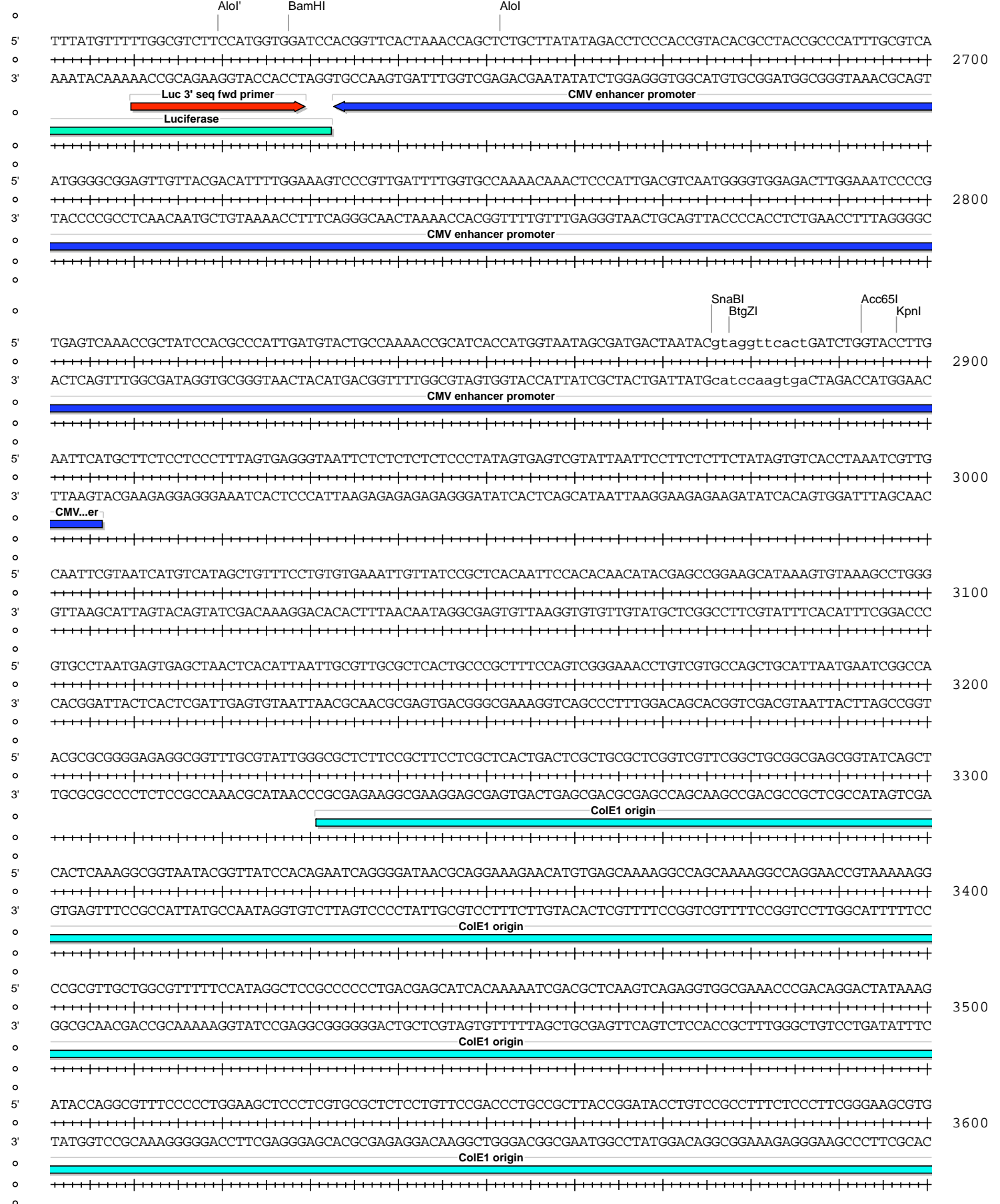
Luciferase

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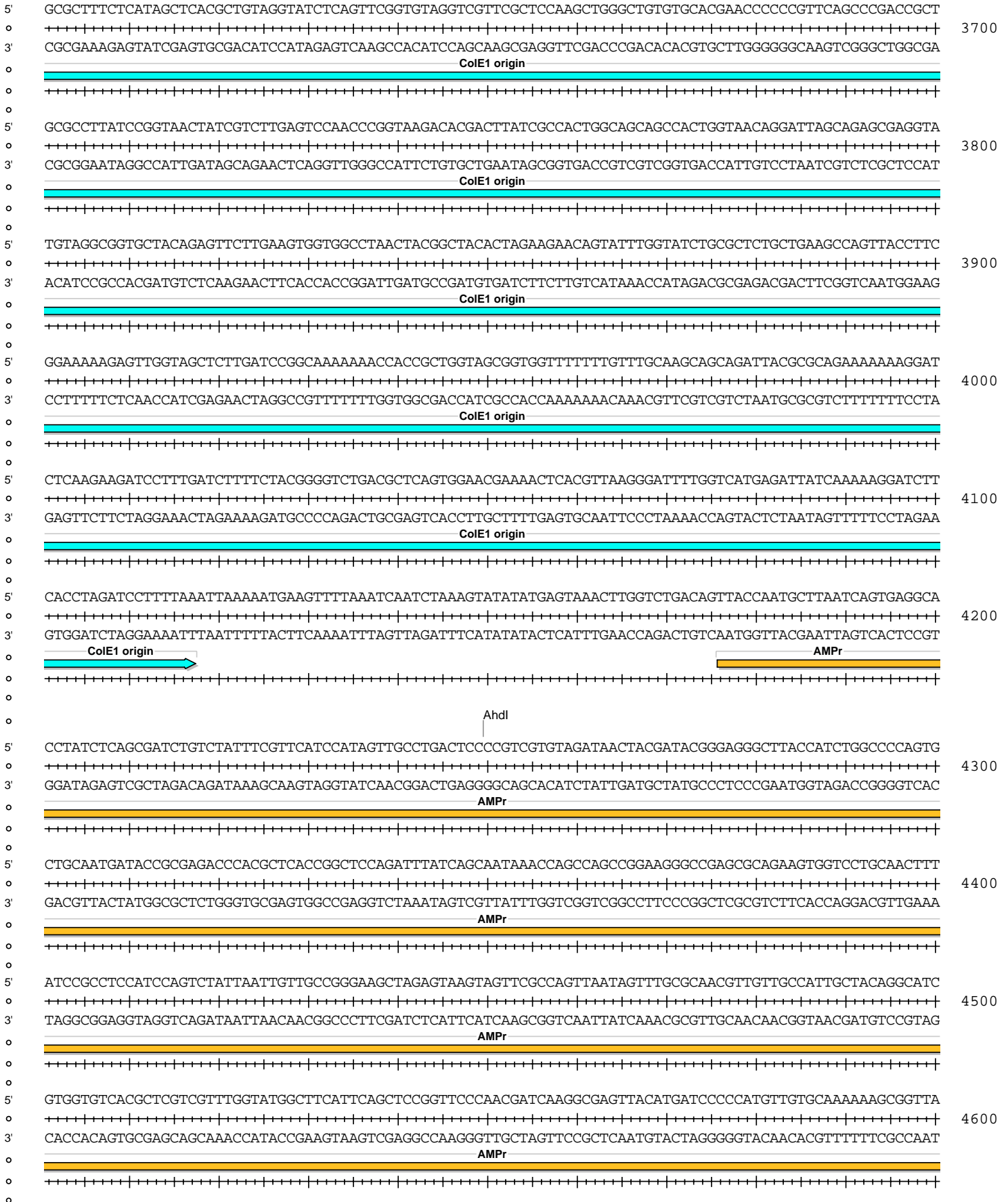
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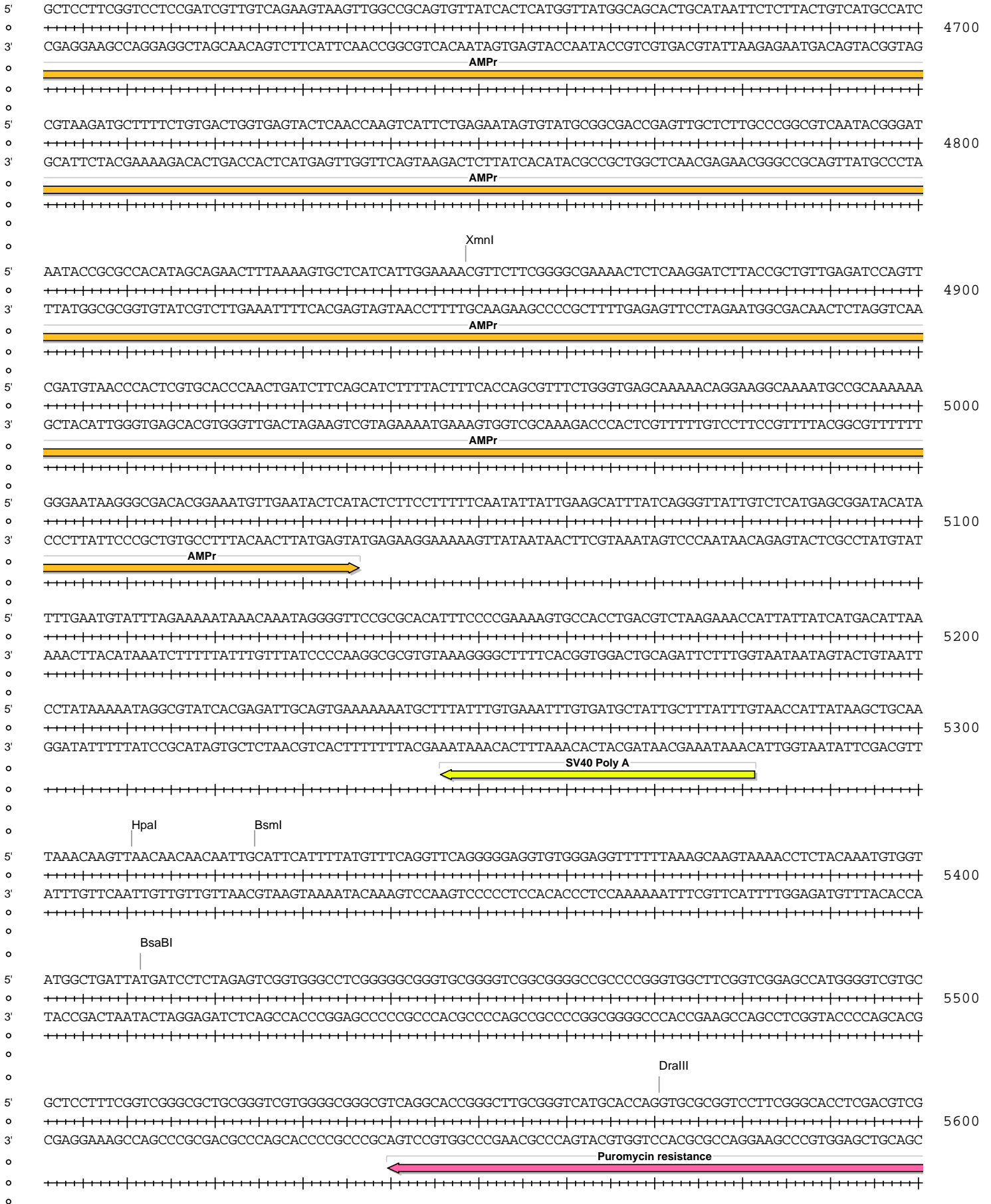
pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA

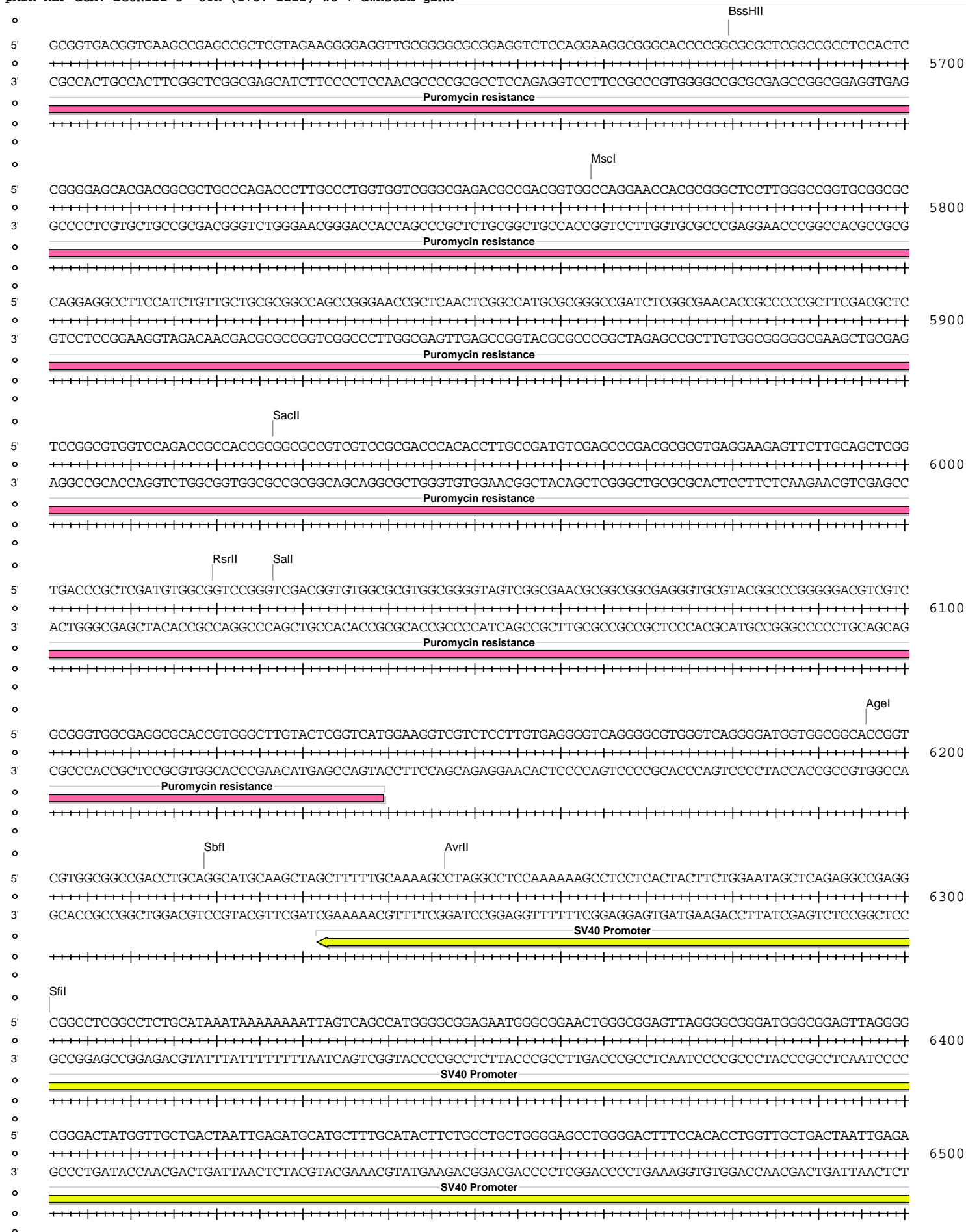


pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA



pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA





pMIR-REP-dCMV-DCUN1D2 3' UTR (1787-2211) wt + dwnstrm gDNA

5' TGCATGCTTTGCATACTTCTGCCTGCTGGGGAGCCTGGGGACTTTCCACACCAATCTTTCGTC
o ++++++
3' ACGTACGAAACGTATGAAGACGGACGCCCTCGGACCCCTGAAAGGTGTGGTTAGAAAGCAG
o SV40 Promoter
o ++++++
o

6563