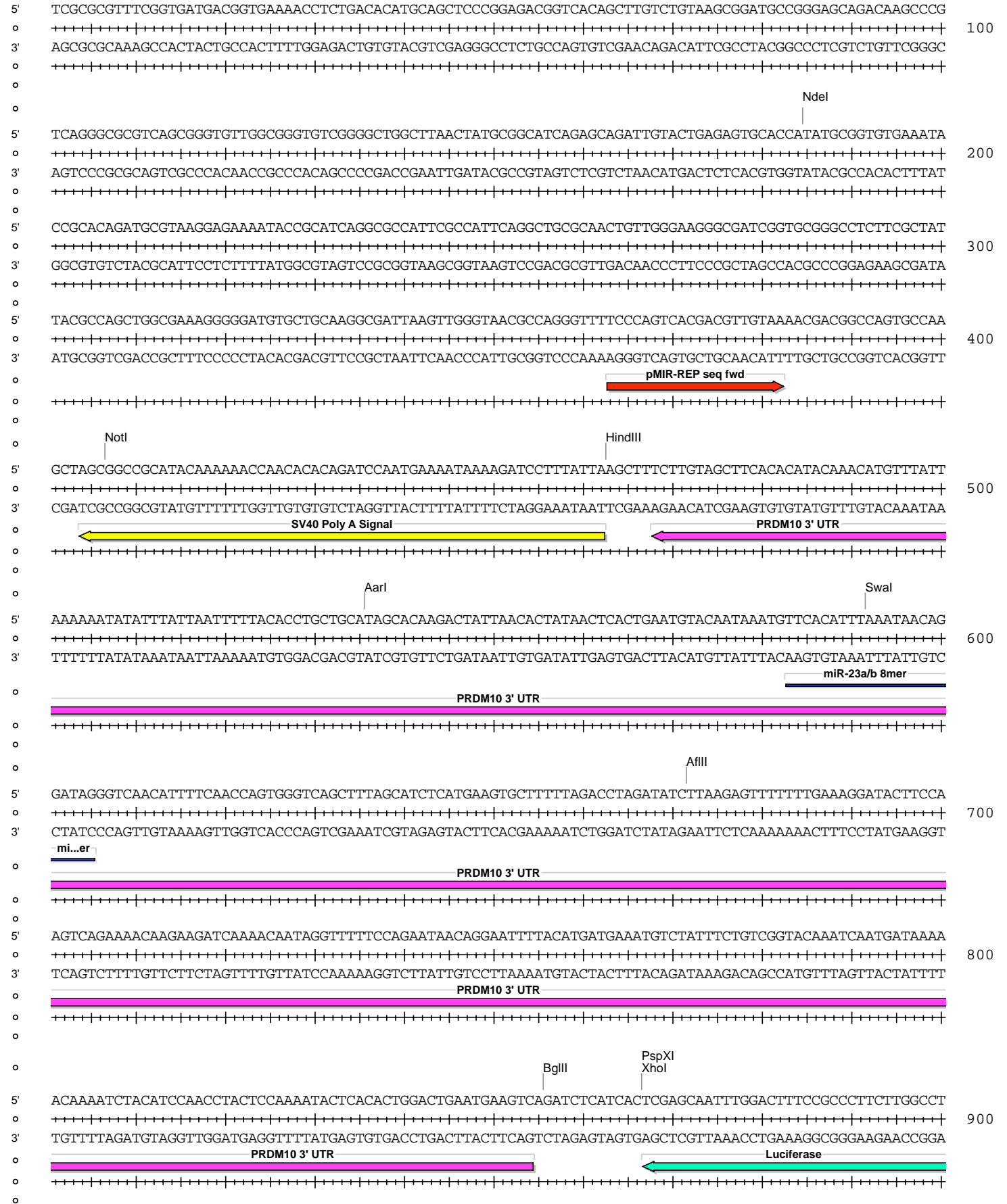


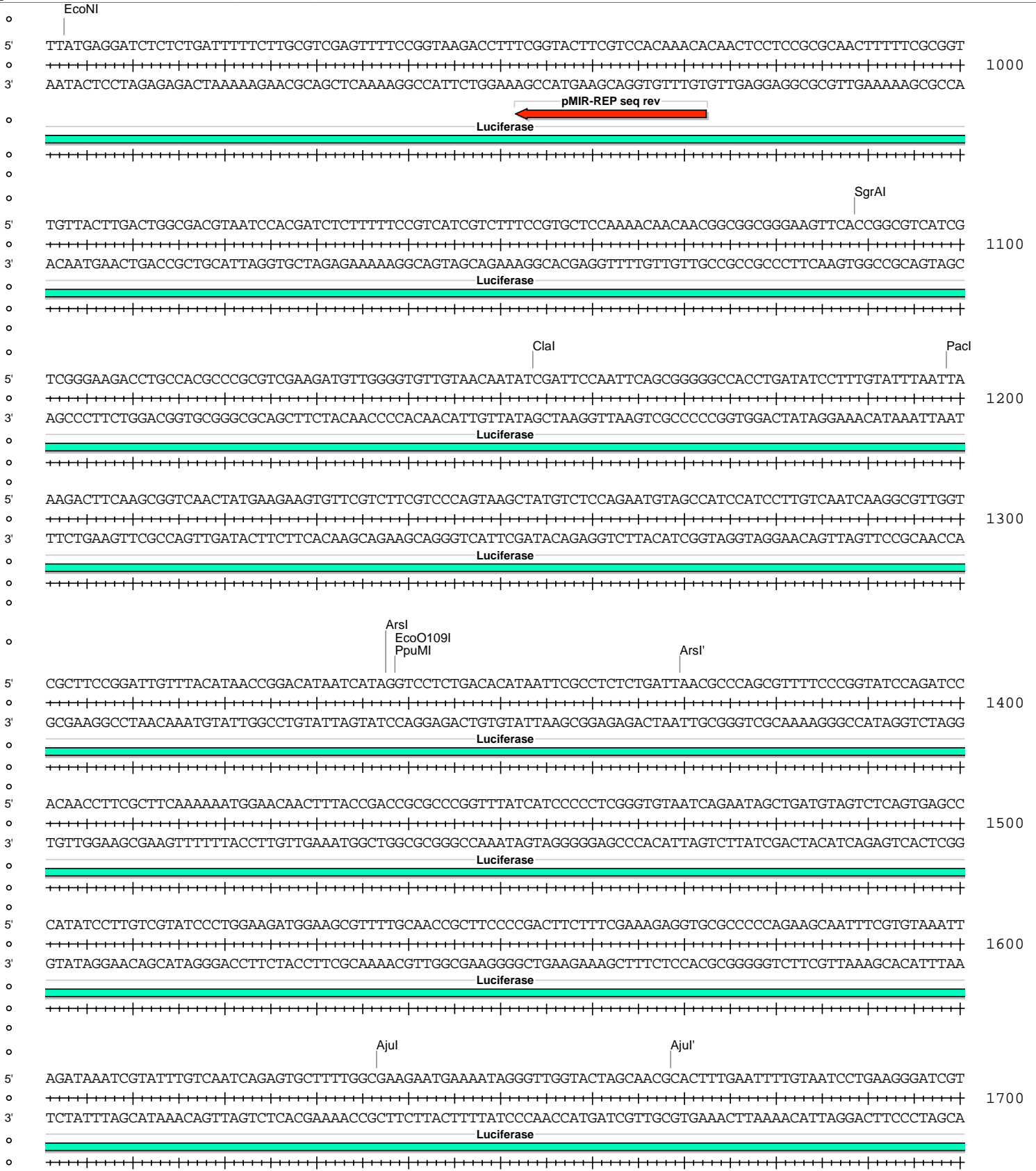
pMIR-REP-dCMV-PRDM10 3' UTR (2221-2607) wt

Absent Sites	0	AbsI,AfeI,AleI,ApaI,AscI,AsiSI,BaeI,BaeI',BarI,BarI',BbvCI,BclI,BplI,BmgBI,Bpu10I,BsgI,BstXI,BstZ17I,EcoICRI,Fall,Fall',FseI,FspAI,MauBI,MluI,MreI,NaeI,NgoMIV,NruI,PasI,PflMI,PmeI,PmlI,PshAI,PspOMI,SacI,SanDI,SgrDI,SpeI,SrfI
AarI	1	536
Acc65I	1	2791
AccI	1	5926
AflII	1	672
AgeI	1	6094
AhdI	1	4148
AjuI	1	1637
AjuI'	1	1669
Alol	1	2550
Alol'	1	2518
AlwNI	1	3671
ArsI	1	1338
ArsI'	1	1370
AvrII	1	6145
BamHI	1	2526
BglII	1	856
BsaBI	1	5310
BsmI	1	5223
BssHII	1	5578
Bsu36I	1	1905
BtgZI	1	2776
Clal	1	1154
CspCI	1	2740
CspCI'	1	2705
DraIII	1	5469
EcoNI	1	903
EcoO109I	1	1339
HindIII	1	463
HpaI	1	5209
KpnI	1	2795
MscI	1	5662
NdeI	1	185
NotI	1	407
PacI	1	1199
PpuMI	1	1339
PspXI	1	867
PsrI	1	2388
PsrI'	1	2356
PstI	1	6117
RsrII	1	5918
SacII	1	5825
SalI	1	5925
SbfI	1	6117
Scal	1	4628
SfiI	1	6199
SgrAI	1	1089
SnaBI	1	2774
SspI	1	4952
Swal	1	592
Tth111I	1	5994
XcmI	1	1787
XhoI	1	867
XmnI	1	4747

pMIR-REP-dCMV-PRDM10 3' UTR (2221-2607) wt



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pMIR-REP-dCMV-PRDM10 3' UTR (2221-2607) wt

5' GGGGCGGAGTTGTTACGACATTTTGGAAAGTCCCGTTGATTTTGGTGCCAAAACAACTCCCATTGACGTCAATGGGGTGGAGACTTGGAATCCCGGTG
 2700
 3' CCCCGCCTCAACAATGCTGTAAAACCTTTCAGGGCAACTAAAACCACGGTTTGTGTTGAGGGTAACGCAGTTACCCACCTCTGAACCTTTAGGGGCAC
 CMV enhancer promoter

5' AGTCAAACCGCTATCCACGCCATTGATGTACTGCCAAAACCGCATCACCATGGTAATAGCGATGACTAATACGtaggttcaactGATCTGGTACCTTGAA
 2800
 3' TCAGTTTGGCGATAGGTGCGGGTAACACTACATGACGGTTTGGCGTAGTGGTACCATTATCGCTACTGATTATGcatccaagtgaCTAGACCATGGAACTT
 CMV enhancer promoter

5' TTCATGCTTCTCCTCCCTTTAGTGAGGGTAATTCTCTCTCTCCCTATAGTGAGTCGTATTAATTCCTTCTCTCTATAGTGTACCTAAATCGTTGCA
 2900
 3' AAGTACGAAGAGGAGGAAATCACTCCCATTAAGAGAGAGAGAGGGATATCACTCAGCATAATTAAGGAAGAGAAGATATCACAGTGGATTTAGCAACGT
 C...r

5' ATTCGTAATCATGTACATAGCTGTTTCCGTGTGAAATTGTTATCCGCTCACAAATCCACACACATACGAGCCGGAAGCATAAAGTGTAAGCCTGGGGT
 3000
 3' TAAGCATTAGTACAGTATCGACAAAGGACACACTTTAACAATAGCGAGTGTAAAGGTGTGTGTATGCTCGGCCTTCGTATTTACATTTTCGGACCCCA

5' GCCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGCCCGCTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAAC
 3100
 3' CGGATTACTCACTCGATTGAGTGAATTAACGCAACGCGAGTGACGGGCAGAAAGGTGAGCCCTTTGGACAGCACGGTCGACGTAATTACTTAGCCGGTTG

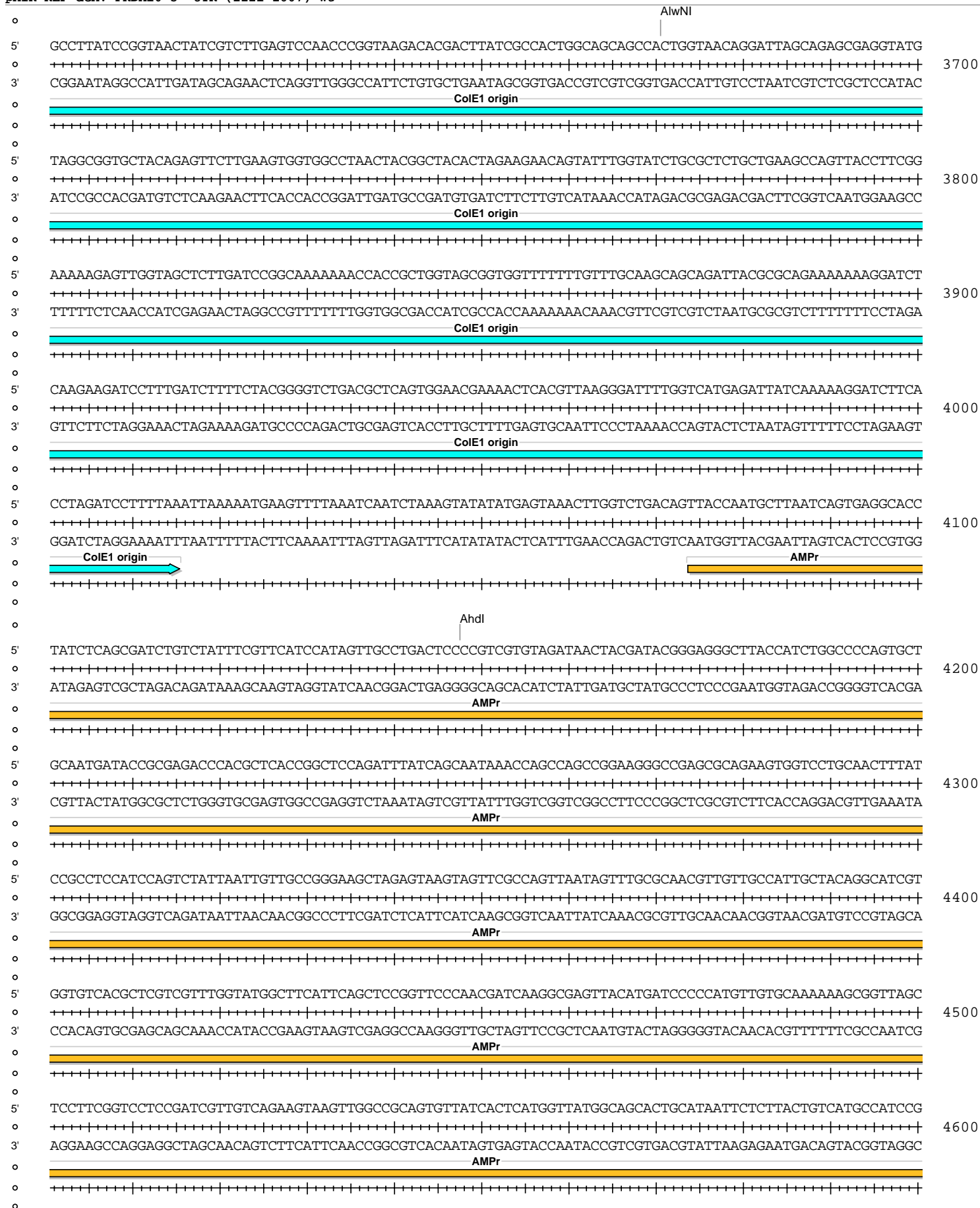
5' GCGCGGGGAGAGGCGGTTTGCATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCGTTCCGGCTGCGGCGAGCGGTATCAGCTCA
 3200
 3' CGCGCCCTCTCCGCCAAACGCATAACCCGCGAGAAGCGAAGGAGCGAGTGACTGAGCGACGCGAGCCAGCAAGCCGACGCCGCTCGCCATAGTCGAGT
 ColE1 origin

5' CTCAAAGGCGTAATACGTTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAGGCCAGCAAAGGCCAGGAACCGTAAAAAGGCC
 3300
 3' GAGTTTCCGCCATTATGCCAATAGGTGTCTTAGTCCCCTATTGCGTCTTCTTGTACACTCGTTTTCCGGTTCGTTTTCCGGTCTTTGGCATTTTTCCGG

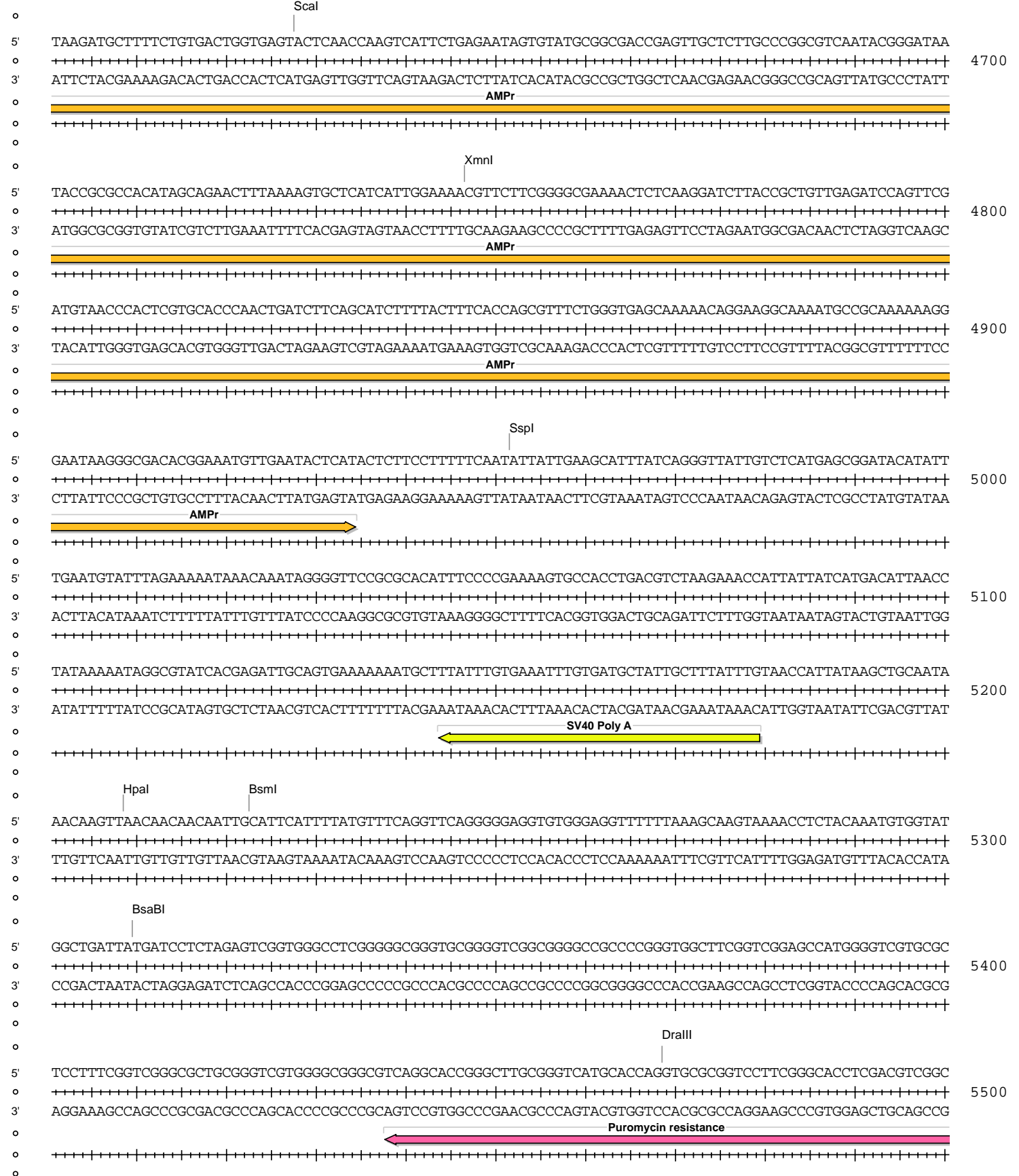
5' GCGTTGCTGGCGTTTTTCCATAGGCTCCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGAT
 3400
 3' CGCAACGACCGCAAAGGTATCCGAGGCGGGGGACTGCTCGTAGTGTTTTTCAGCTGCGAGTTCAGTCTCCACCGCTTTGGGCTGTCTGATATTTCTA
 ColE1 origin

5' ACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTCTGTTCCGACCCTGCCGCTTACCGGATACCTGTCCGCTTCTCCCTTCGGGAAGCGTGGC
 3500
 3' TGGTCCGCAAAGGGGACCTTCGAGGGAGCACGCGAGAGGACAAGGCTGGGACGGCGAATGGCCTATGGACAGGCGGAAAGAGGAAGCCCTTCGCACCG

5' GCTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTTCGCTCCAAGCTGGGCTGTGTGCACGAAACCCCGTTTCAGCCCGACCGCTGC
 3600
 3' CGAAAGAGTATCGAGTGCACATCCATAGAGTCAAGCCACATCCAGCAAGCGAGGTTTCGACCCGACACACGTGCTTGGGGGGCAAGTCGGGCTGGCGACG
 ColE1 origin



pMIR-REP-dCMV-PRDM10 3' UTR (2221-2607) wt





pMIR-REP-dCMV-PRDM10 3' UTR (2221-2607) wt

5' CATGCTTTGCATACTTCTGCCTGCTGGGGAGCCTGGGGACTTTCACACCAATCTTTCGTC
o ++++++
3' GTACGAAACGTATGAAGACGGACGACCCTCGGACCCCTGAAAGGTGGTTAGAAAGCAG
o **SV40 Promoter**
o ++++++
o

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