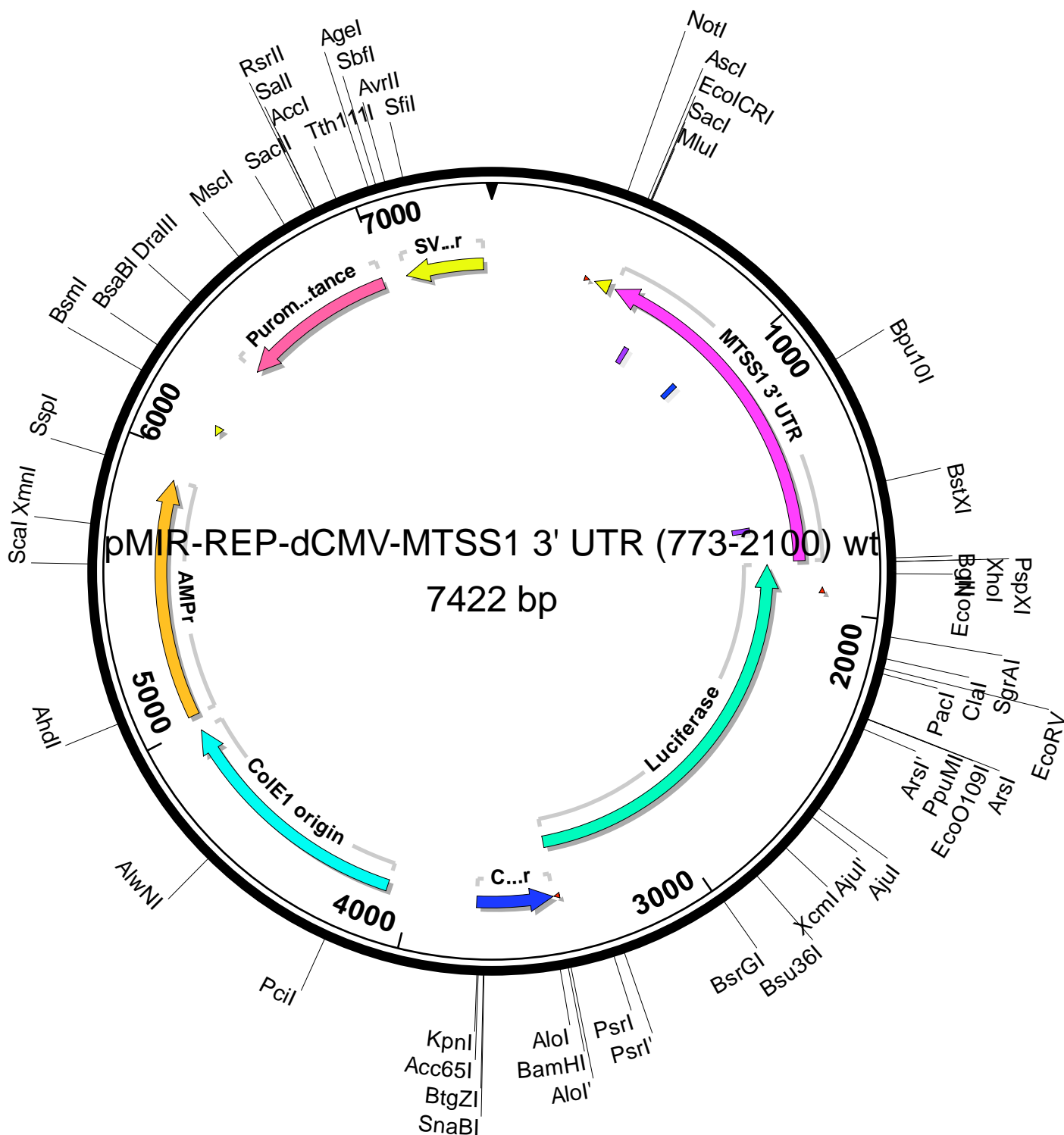


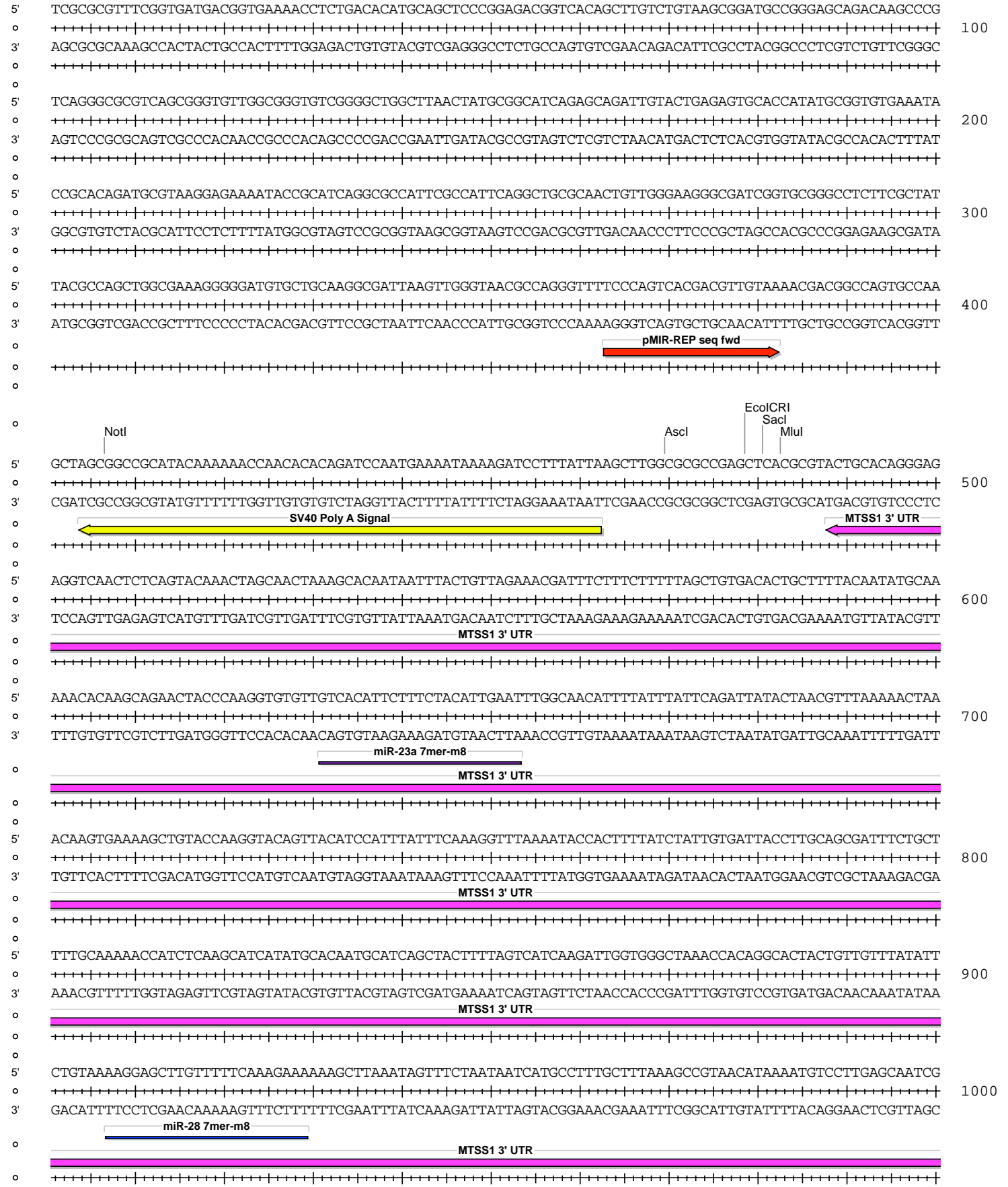
pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt



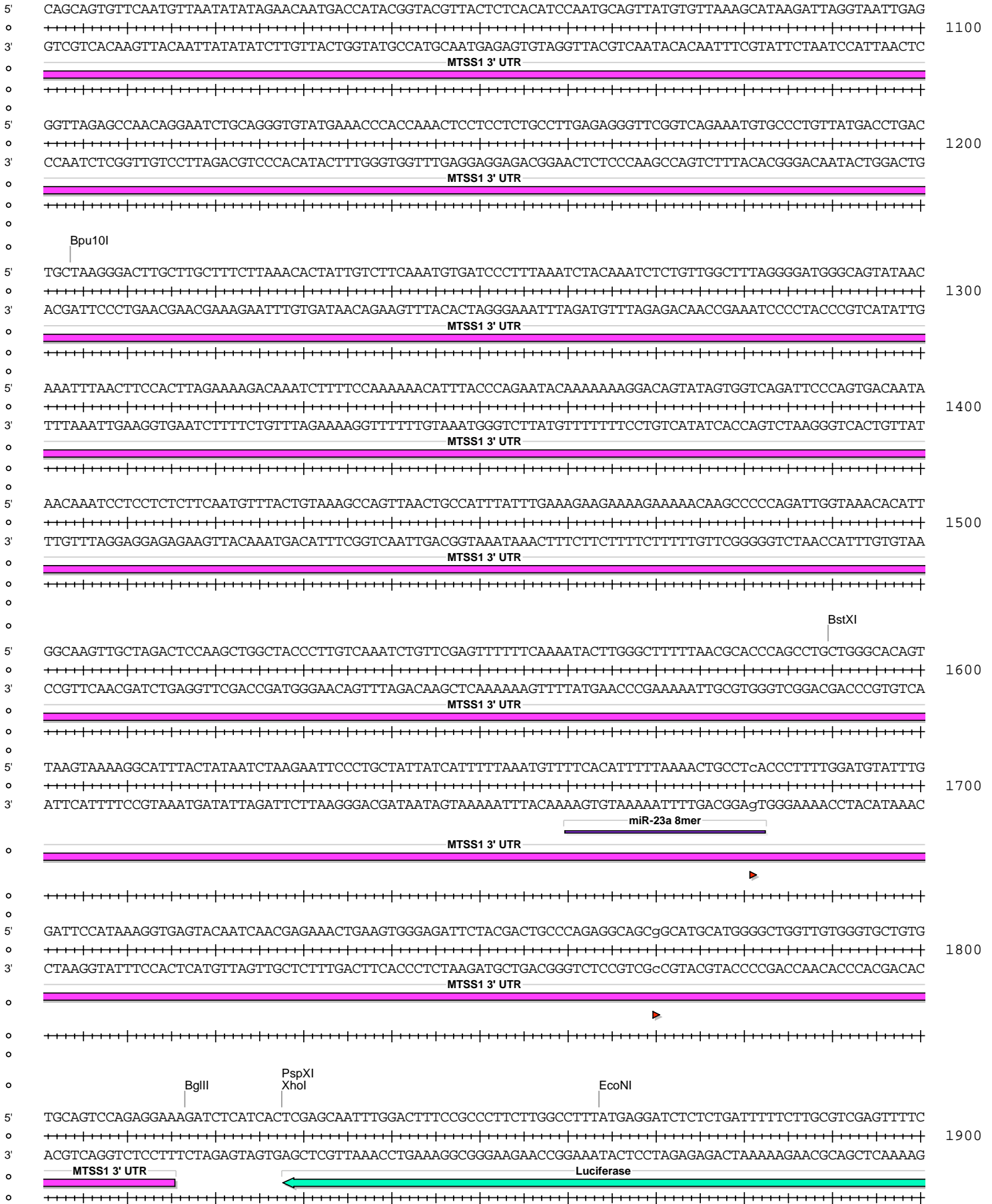
pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt

Absent Sites	0	AarI,Abst,AfeI,AfII,AleI,Apal,AsiSI,BaeI,BaeI',BarI,BarI',BbvCI,BclI,BlpI,BmgBI,BstZ17I,Fall,Fall',FseI,FspAI,MauBI,MreI,NaeI,NgolMIV,NruI,PasI,PfiMI,PmeI,PmlI,PshAI,PspOMI,SanDI,SgrDI,SpeI,SrfI,Swal
Acc65I	1	3752 (7422)
AccI	1	6887 (7422)
AgeI	1	7055 (7422)
AhdI	1	5109 (7422)
AjuI	1	2598 (7422)
AjuI'	1	2630 (7422)
Alol	1	3511 (7422)
Alol'	1	3479 (7422)
AlwNI	1	4632 (7422)
Arsl	1	2299 (7422)
Arsl'	1	2331 (7422)
Ascl	1	470 (7422)
AvrII	1	7106 (7422)
BamHI	1	3487 (7422)
BglII	1	1817 (7422)
Bpu10I	1	1204 (7422)
BsaBI	1	6271 (7422)
BsmI	1	6184 (7422)
BsrGI	1	2988 (7422)
BstXI	1	1590 (7422)
Bsu36I	1	2866 (7422)
BtgZI	1	3737 (7422)
ClaI	1	2115 (7422)
DraIII	1	6430 (7422)
EcoICRI	1	479 (7422)
EcoNI	1	1864 (7422)
EcoO109I	1	2300 (7422)
EcoRV	1	2144 (7422)
KpnI	1	3756 (7422)
MluI	1	483 (7422)
MscI	1	6623 (7422)
NotI	1	407 (7422)
PacI	1	2160 (7422)
PciI	1	4216 (7422)
PpuMI	1	2300 (7422)
PspXI	1	1828 (7422)
PsrI	1	3349 (7422)
PsrI'	1	3317 (7422)
RsrII	1	6879 (7422)
SacI	1	481 (7422)
SacII	1	6786 (7422)
SalI	1	6886 (7422)
SbfI	1	7078 (7422)
Scal	1	5589 (7422)
SfiI	1	7160 (7422)
SgrAI	1	2050 (7422)
SnaBI	1	3735 (7422)
SspI	1	5913 (7422)
Tth111I	1	6955 (7422)
XcmI	1	2748 (7422)
XhoI	1	1828 (7422)
XmnI	1	5708 (7422)

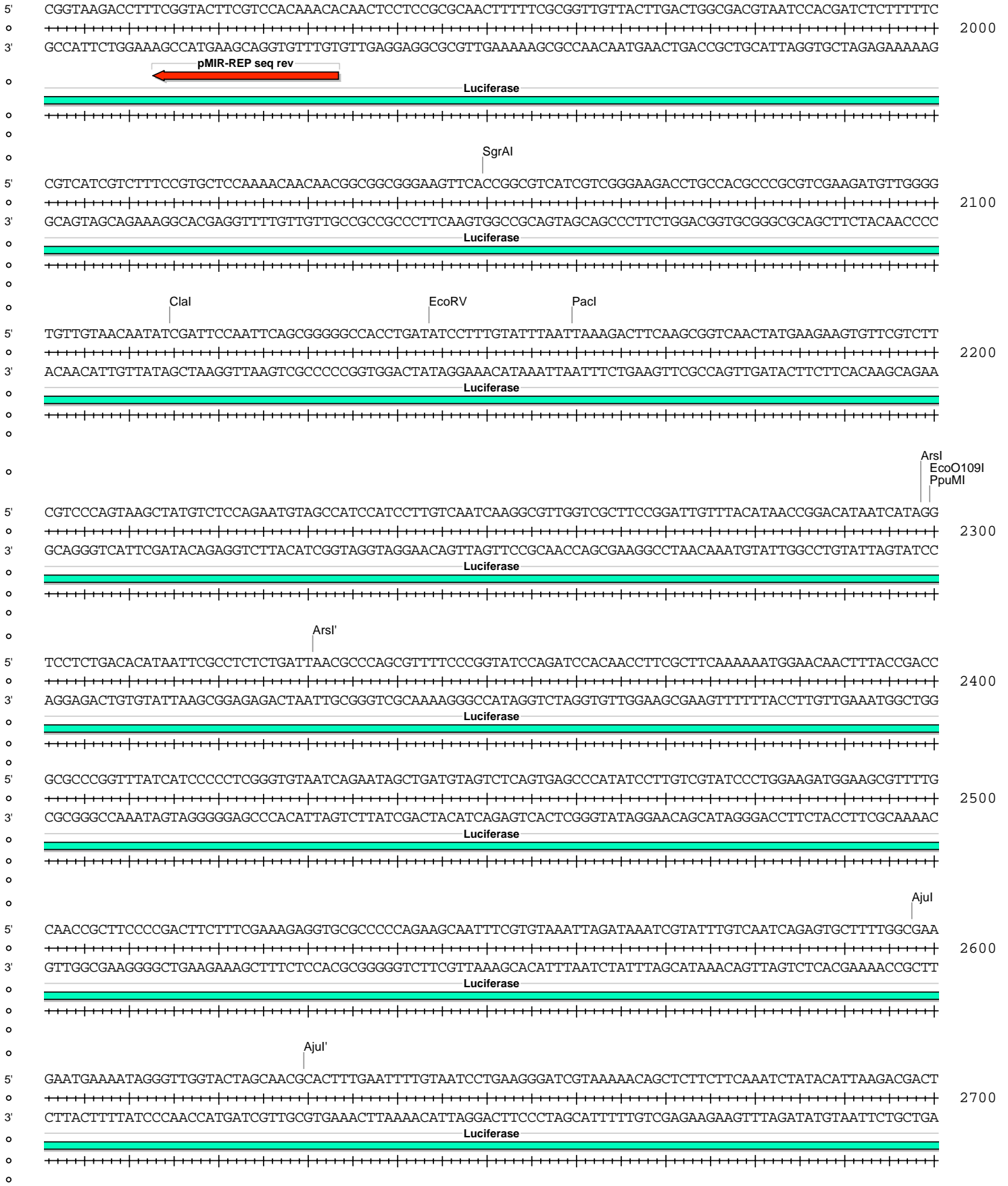
pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt

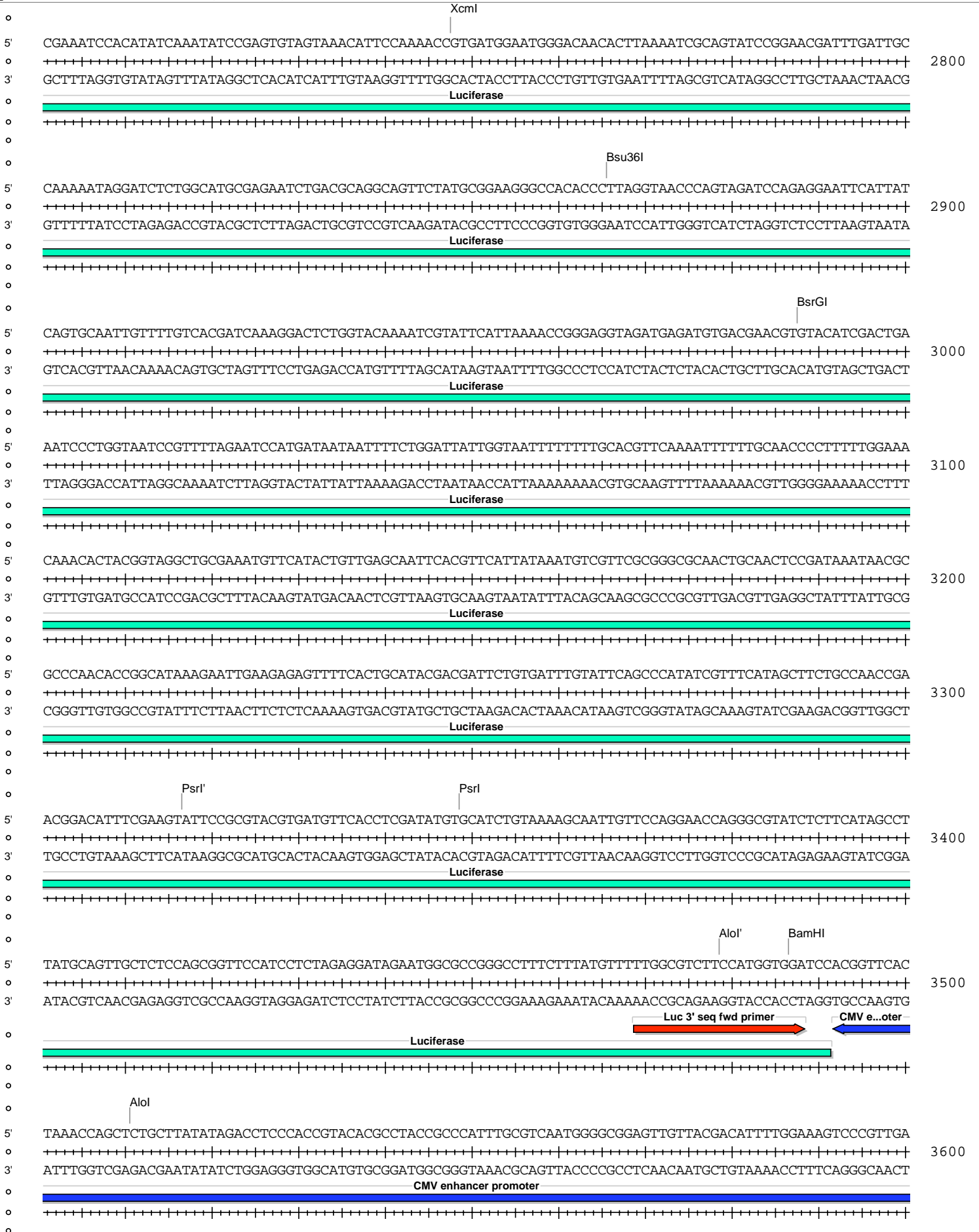


pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt

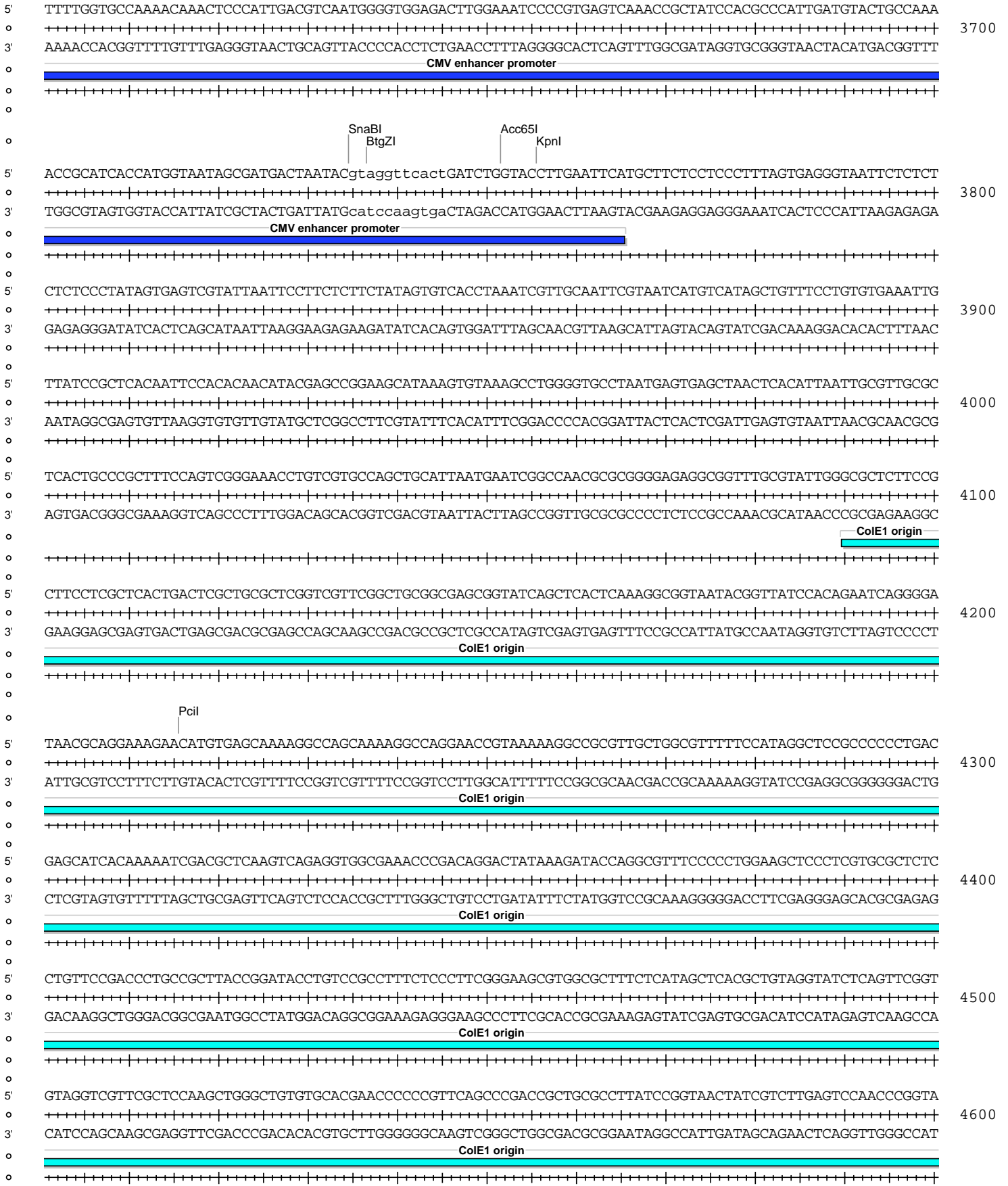


pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt





pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt



pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt

AlwNI

5' AGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACT
 4700
 3' TCTGTGCTGAATAGCGGTGACCGTCTGTCGGTGACCATTGTCTTAATCGTCTCGTCCATACATCCGCCACGATGTCTCAAGAACTTACCACCGGATTGA

ColE1 origin

5' ACGGCTACACTAGAAGAACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAAAAACCAC
 4800
 3' TGCCGATGTGATCTTCTTGTCTATAAACCATAGACGCGAGACGACTTCGGTCAATGGAAGCCTTTTCTCAACCATCGAGAAGTGGCCGTTTCTTGGTG

ColE1 origin

5' CGCTGGTAGCGGTGGTTTTTTTGTTTGCAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGGTCTGACGCT
 4900
 3' GCGACCATCGCCACAAAAAACAAACGTTTCGTCGTCTAATGCGCGTCTTTTTTCTTAGAGTTCTTCTAGGAACTAGAAAAGATGCCCCAGACTGCGA

ColE1 origin

5' CAGTGGAACGAAAACCTACGTTAAGGGATTTGGTTCATGAGATTATCAAAAAGGATCTTACCTAGATCCTTTTAAATTAATAATGAAGTTTAAATCAA
 5000
 3' GTCACCTTGCTTTTGGAGTGCAATTCCCTAAAACAGTACTCTAATAGTTTTTCTTAGAAGTGATCTAGGAAAAATTAATTTTACTTCAAATTTAGTT

ColE1 origin

5' TCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGC
 5100
 3' AGATTCATATATACTCATTTGAACCAGACTGTCAATGGTTACGAATTAGTCACTCCGTGGATAGAGTCGCTAGACAGATAAAGCAAGTAGGTATCAACG

AMPr

AhdI

5' CTGACTCCCGCTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGCTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGAT
 5200
 3' GACTGAGGGGCAGCACATCTATTGATGTATGCCCTCCGAATGGTAGACCGGGGTCACGACGTTACTATGGCGCTCTGGGTGCGAGTGGCCGAGGTCTA

AMPr

5' TTATCAGCAATAAACCAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCCCTCCATCCAGTCTATTAATTGTTGCCGGAAGCTA
 5300
 3' AATAGTCGTTATTTGGTTCGGTTCGGCCTTCCCGGCTCGCGTCTTACCAGGACGTTGAAATAGCGGAGGTAGGTCAGATAAATTAACAACGGCCCTTCGAT

AMPr

5' GAGTAAGTAGTTCGCCAGTTAATAGTTTGCACACGTTGTTGCCATTGCTACAGGCATCGTGGTGTGTCAGCTCGTTCGTTGGTATGGCTTCATTACGCTC
 5400
 3' CTCATTTCATCAAGCGGTCAATTATCAAACGCGTTGCAACAACGGTAACGATGTCCGTAGCACCACAGTGCAGCAGCAAAACCATAACCGAAGTAAGTCGAG

AMPr

5' CGGTTCCEAACGATCAAGCGAGTTACATGATCCCCATGTTGTGCAAAAAAGCGGTTAGCTCCTTCGGTCTCCGATCGTTGTGAGAAGTAAGTTGGCC
 5500
 3' GCCAAGGGTTGCTAGTTCCGCTCAATGTACTAGGGGTACAACACGTTTTTTTCGCCAATCGAGGAAGCCAGGAGGCTAGCAACAGTCTTCATTCAACCGG

AMPr

Scal

5' GCAGTGTTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACTGTATGCCATCCGTAAGATGCTTTTTCTGTGACTGGTGGTACTCAACCAAGT
 5600
 3' CGTCACAATAGTGAGTACCAATACCGTCTGACGTATTAAGAGAATGACAGTACGGTAGGCATCTACGAAAAGACTGACCCTCATGAGTTGGTTCA

AMPr

pMIR-REP-dCMV-MTSS1 3' UTR (773-2100) wt

