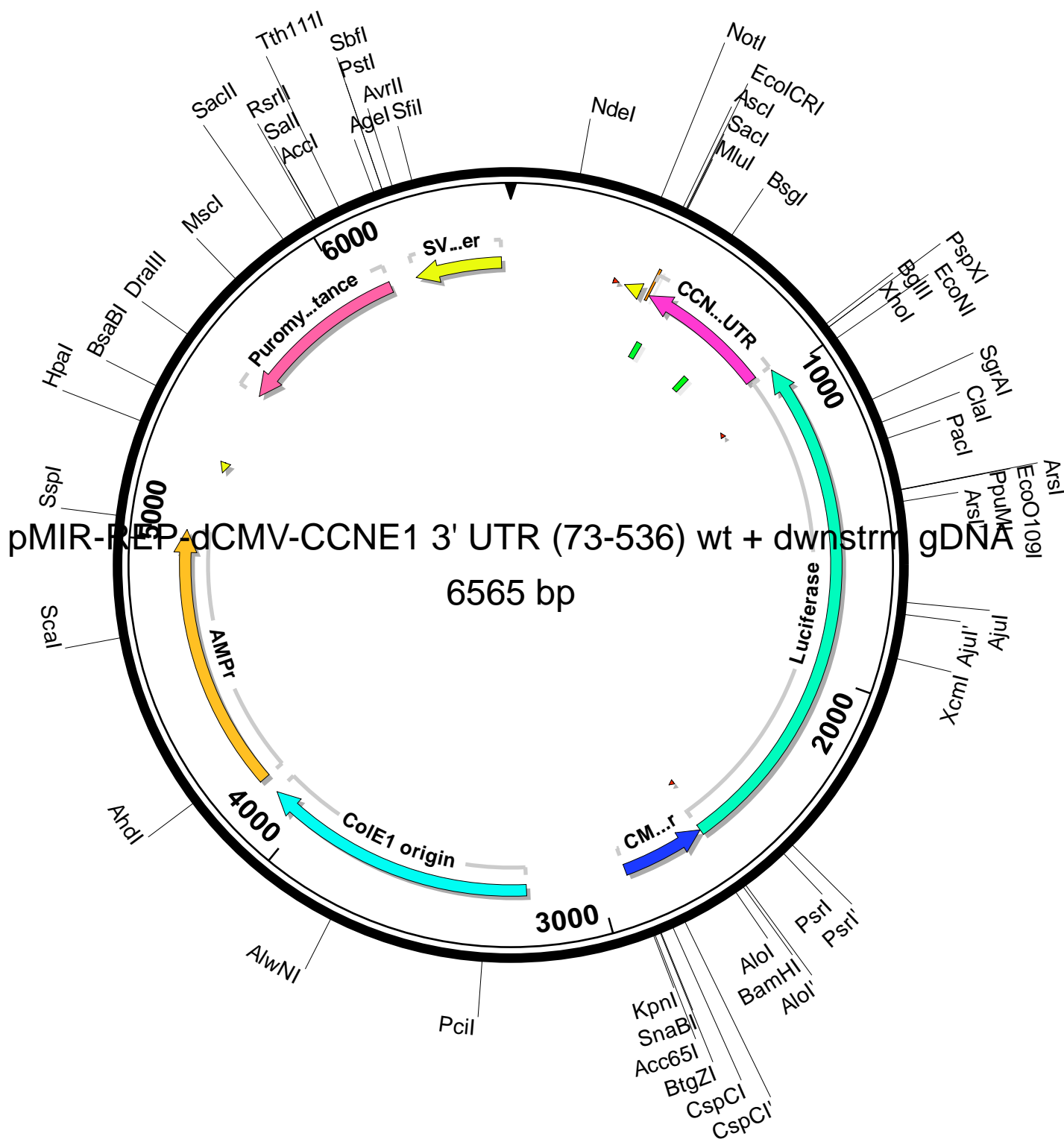


pMIR-REP-dCMV-CCNE1 3' UTR (73-536) wt + dwnstrm gDNA



## pMIR-REP-dCMV-CCNE1 3' UTR (73-536) wt + dwnstrm gDNA

Absent Sites	0	AbsI,AfeI,AfII,AleI,ApaI,AsiSI,BaeI,BaeI',BamI,BamI',BbvCI,BclI,BclI',BglI,BmgBI,Bpu10I,BstXI,BstZ17I,FalI,FalI',FseI,FspAI,MauBI,MreI,NaeI,NgoMIV,NruI,PasI,PfIMI,PmeI,PmlI,PshAI,PspOMI,SanDI,SgrDI,SpeI,SrfI,Swal
Acc65I	1	2895 (6565)
AccI	1	6030 (6565)
AgeI	1	6198 (6565)
AhdI	1	4252 (6565)
AjuI	1	1741 (6565)
AjuI'	1	1773 (6565)
Alol	1	2654 (6565)
Alol'	1	2622 (6565)
AlwNI	1	3775 (6565)
Arsl	1	1442 (6565)
Arsl'	1	1474 (6565)
AscI	1	470 (6565)
AvrII	1	6249 (6565)
BamHI	1	2630 (6565)
BglII	1	960 (6565)
BsaBI	1	5414 (6565)
BsgI	1	618 (6565)
BtgZI	1	2880 (6565)
ClaI	1	1258 (6565)
CspCI	1	2844 (6565)
CspCI'	1	2809 (6565)
DraIII	1	5573 (6565)
EcoICRI	1	479 (6565)
EcoNI	1	1007 (6565)
EcoO109I	1	1443 (6565)
HpaI	1	5313 (6565)
KpnI	1	2899 (6565)
MluI	1	483 (6565)
MscI	1	5766 (6565)
NdeI	1	185 (6565)
NotI	1	407 (6565)
PacI	1	1303 (6565)
PciI	1	3359 (6565)
PpuMI	1	1443 (6565)
PspXI	1	971 (6565)
Psrl	1	2492 (6565)
Psrl'	1	2460 (6565)
PstI	1	6221 (6565)
RsrII	1	6022 (6565)
SacI	1	481 (6565)
SacII	1	5929 (6565)
Sall	1	6029 (6565)
SbfI	1	6221 (6565)
Scal	1	4732 (6565)
SfiI	1	6303 (6565)
SgrAI	1	1193 (6565)
SnaBI	1	2878 (6565)
SspI	1	5056 (6565)
Tth111I	1	6098 (6565)
XcmI	1	1891 (6565)
XhoI	1	971 (6565)

pMIR-REP-dCMV-CCNE1 3' UTR (73-536) wt + dwnstrm gDNA

5' TCGCGCGTTTCGGTGTGACGGTGAAAACCTCTGACACATGCAGTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGATGCCGGGAGCAGACAAGCCCG  
 100  
 3' AGCGCGCAAAGCCACTACTGCCACTTTTGGAGACTGTGTACGTGAGGGCCTCTGCCAGTGTGGAACAGACATTTCGCCTACGGCCCTCGTCTGTTCCGGGC

NdeI

5' TCAGGGCGGTCAGCGGGTGTGGCGGGTGTGGGGCTGGCTTAACTATGCGGCATCAGAGCAGATTGACTGAGAGTGCACCATATGCCGGTGTGAAATA  
 200  
 3' AGTCCCGCGCAGTCGCCACAACCGCCACAGCCCGACCGAATTGATACGCCGTAGTCTCGTCTAACATGACTCTCACGTGGTATACGCCACACTTTAT

5' CCGCACAGATGCGTAAGGAGAAAATACCGCATCAGGCGCCATTGCCATTTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTAT  
 300  
 3' GGCGTGTCTACGCATTCTCTTTATGGCGTAGTCCGCGTAAGCGGTAAGTCCGACGCGTTGACAACCTTCCCGTAGCCACGCCGGAGAAGCGATA

5' TACGCCAGCTGGCGAAAGGGGATGTGTGCAAGGCGATTAAAGTTGGGTAAAGCCAGGGTTTCCAGTCACGACGTTGTAACACGACGGCCAGTGCCAA  
 400  
 3' ATGCGGTCGACCGCTTCCCCCTACACGACGTTCCGCTAATTCAACCCATTGCGGTCCCAAAGGGTCAGTGTGCAACATTTTGTGCCGGTCACGGTT

pMIR-REP seq fwd

5' GCTAGCGGCGCATAACAAAAACCAACACACAGATCCAATGAAAATAAAAGATCCTTTATTAAGCTTGGCGCGCGAGCTCACGCGTaaaccagcTGCTCT  
 500  
 3' CGATCGCCGCGTATGTTTTTGGTTGTGTCTAGGTTACTTTTATTTCTAGGAAATAATTCGAACCGCGCGCTCGAGTGGCGCAttgggtcgACAGA

SV40 Poly A Signal

down...DNA CC...R

miR-503 7mer-1A

CCNE1 3' UTR

BsgI

5' GGGCAGCCCCCTGCCAGCTGGCTATGGGCTCTGCACAACGCTTGCCCGCAACCCTGCTCCACTTGGTACAACGGAGCCAGAACACCTGCGAGGAGA  
 700  
 3' CCCGTCGGGGACGGGTCGACCGATACCCGAGACGTGTTGCGAACGGGCGTTGGTGGACGAGGTGAACCATGTTGCCTCGGGTCTTGTGGACGCTCCTCT

CCNE1 3' UTR

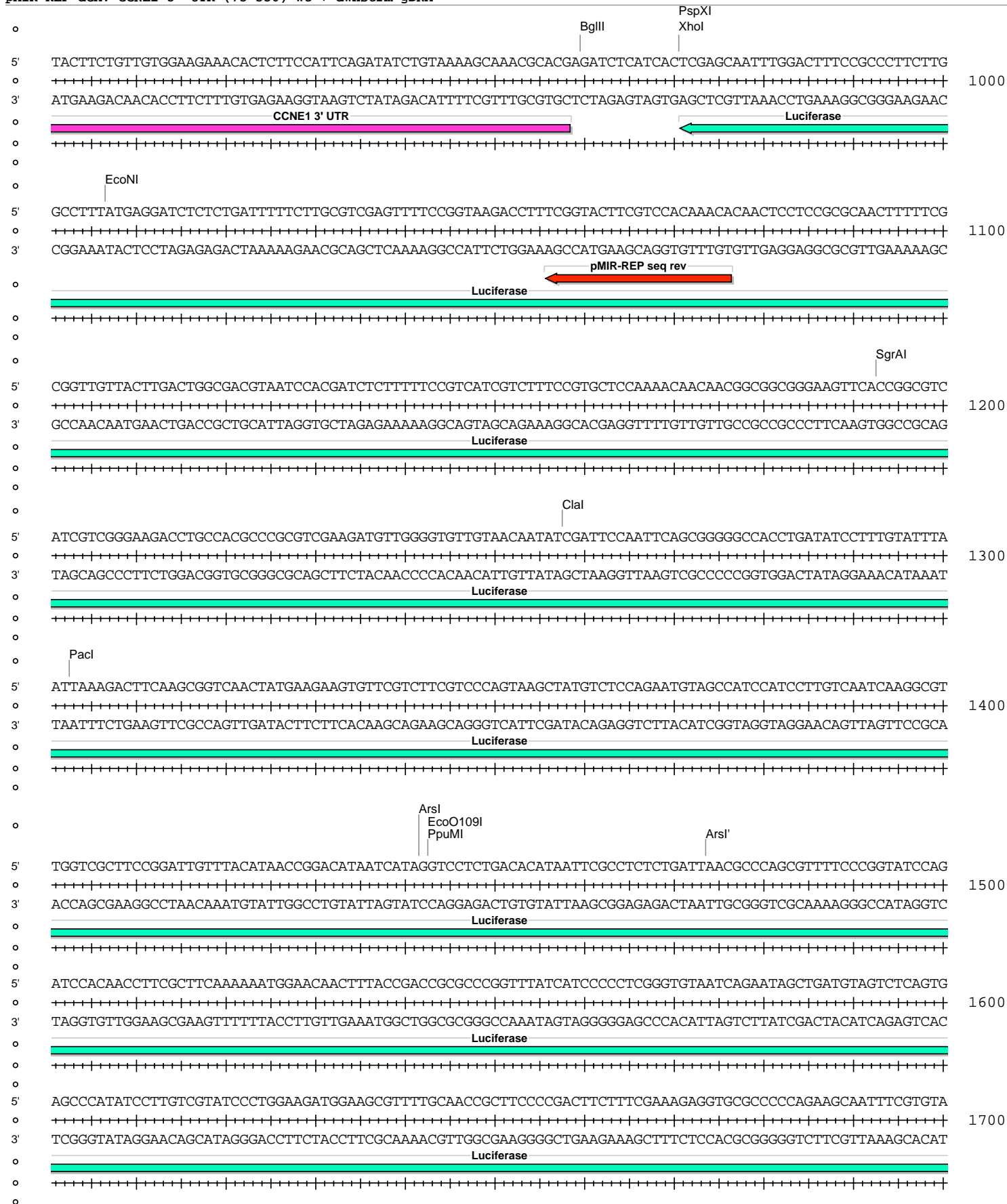
5' GCCACGCCACCGTGGCCCTCCACAGCTTCAAGCTTTGTGTGGTGGGAGTCCCTTAGGTCAAGTAGCACCTTCCATAGCAGCATCGGGAGCACGCACTG  
 800  
 3' CGGTGCGGTGGCACCGGGAGGTGTCGAAGTTCGAAAACAACAACACCCTCAGGGAATCCAGTTCATCGTGAAGGTATCGTCGTAGCCCTCGTGCCTGAC

miR-503 7mer-1A

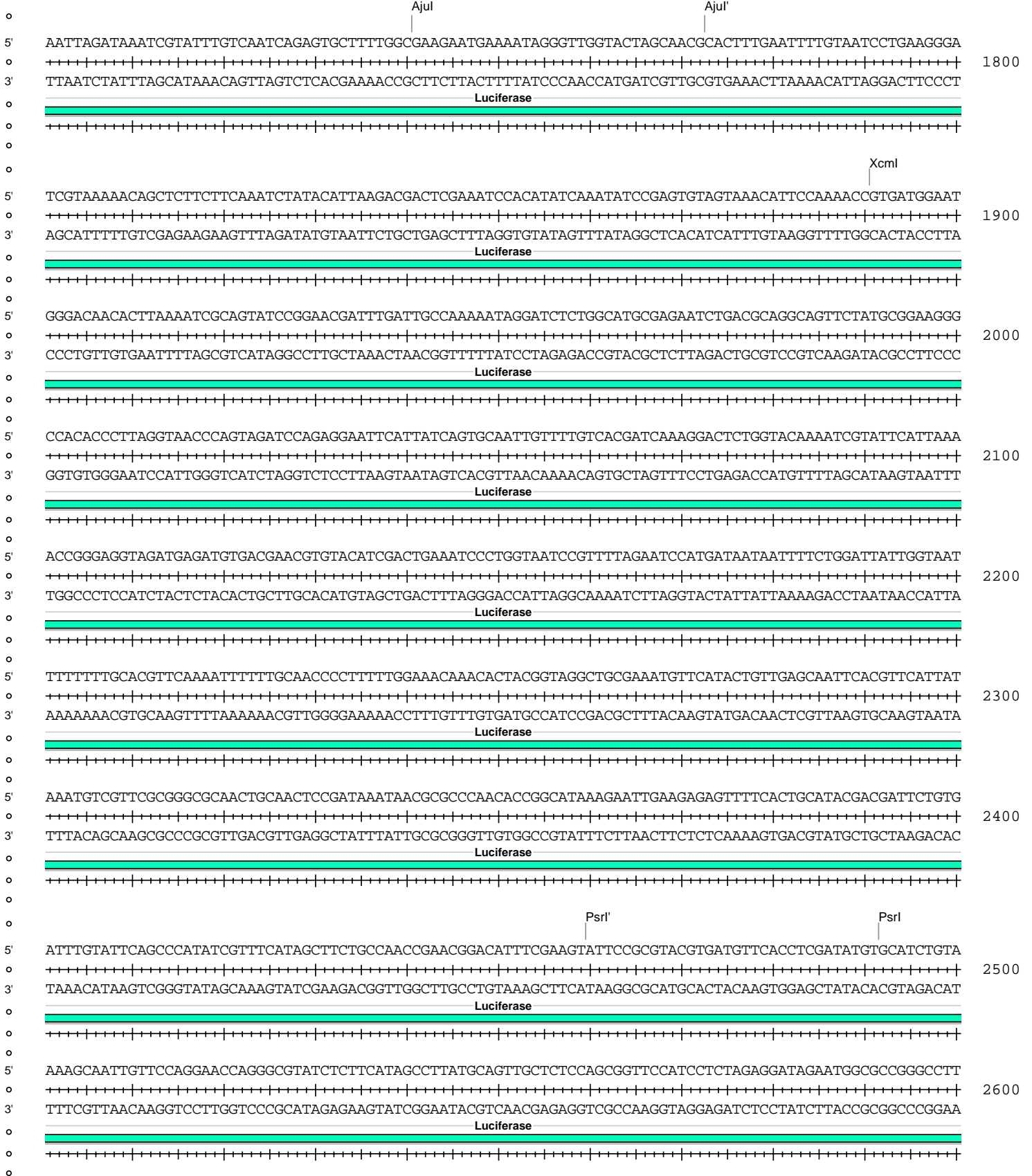
CCNE1 3' UTR

5' GTGTCTGGAGGTGGCTGGTGTACTTGACCCACTTATTTAAAAAACCTATAAGCATTCAATAAAAAACACTTTGCCCTGTTTGTATGCCATCCACAGAAA  
 900  
 3' CACAGACCTCCACCGACCACATGAACTGGGTGAATAAATTTTTTTGGATATTCGTAAGTATTTTTTGTGAAACGGGCAAACTACGGTAGGTGTCTTT

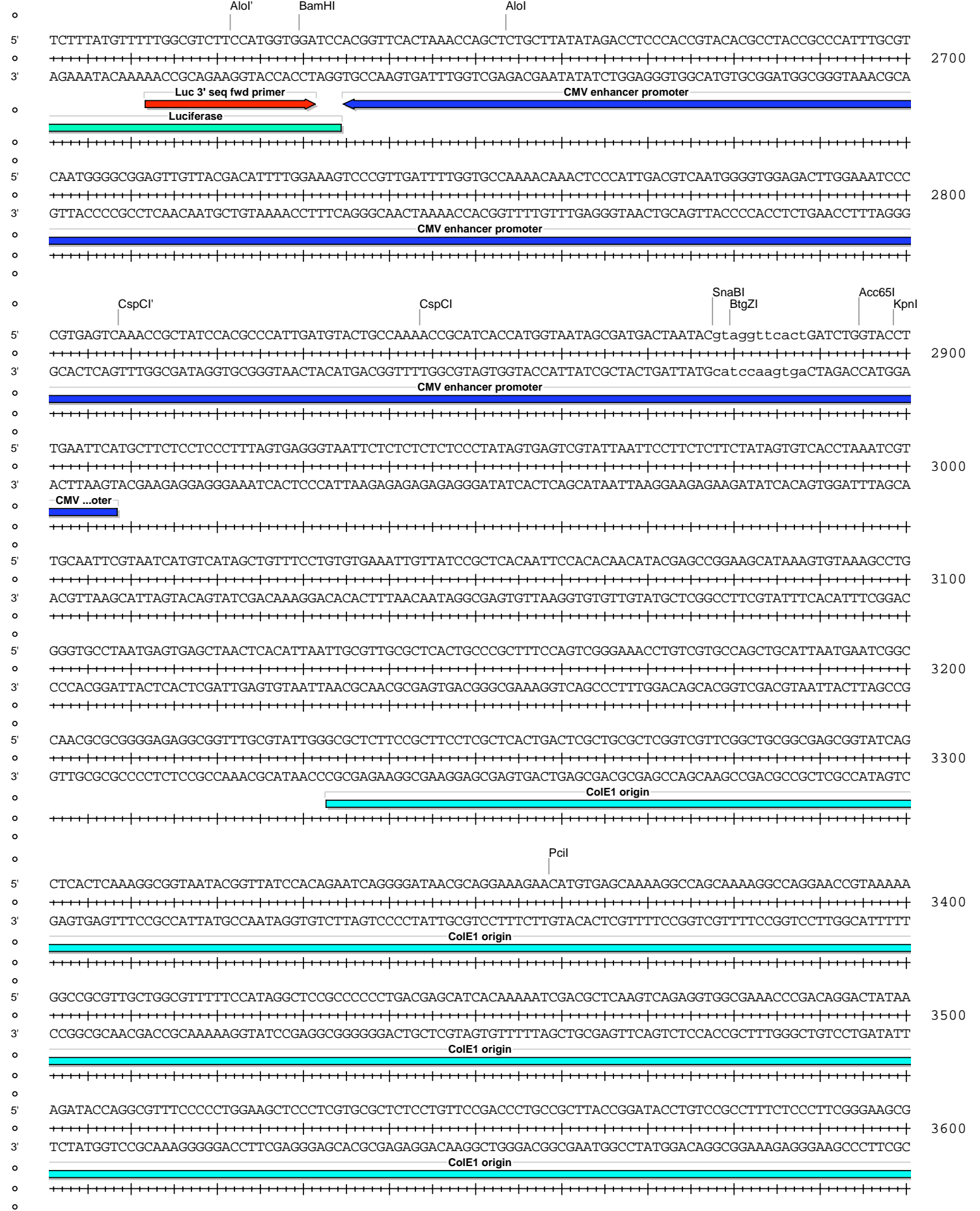
CCNE1 3' UTR



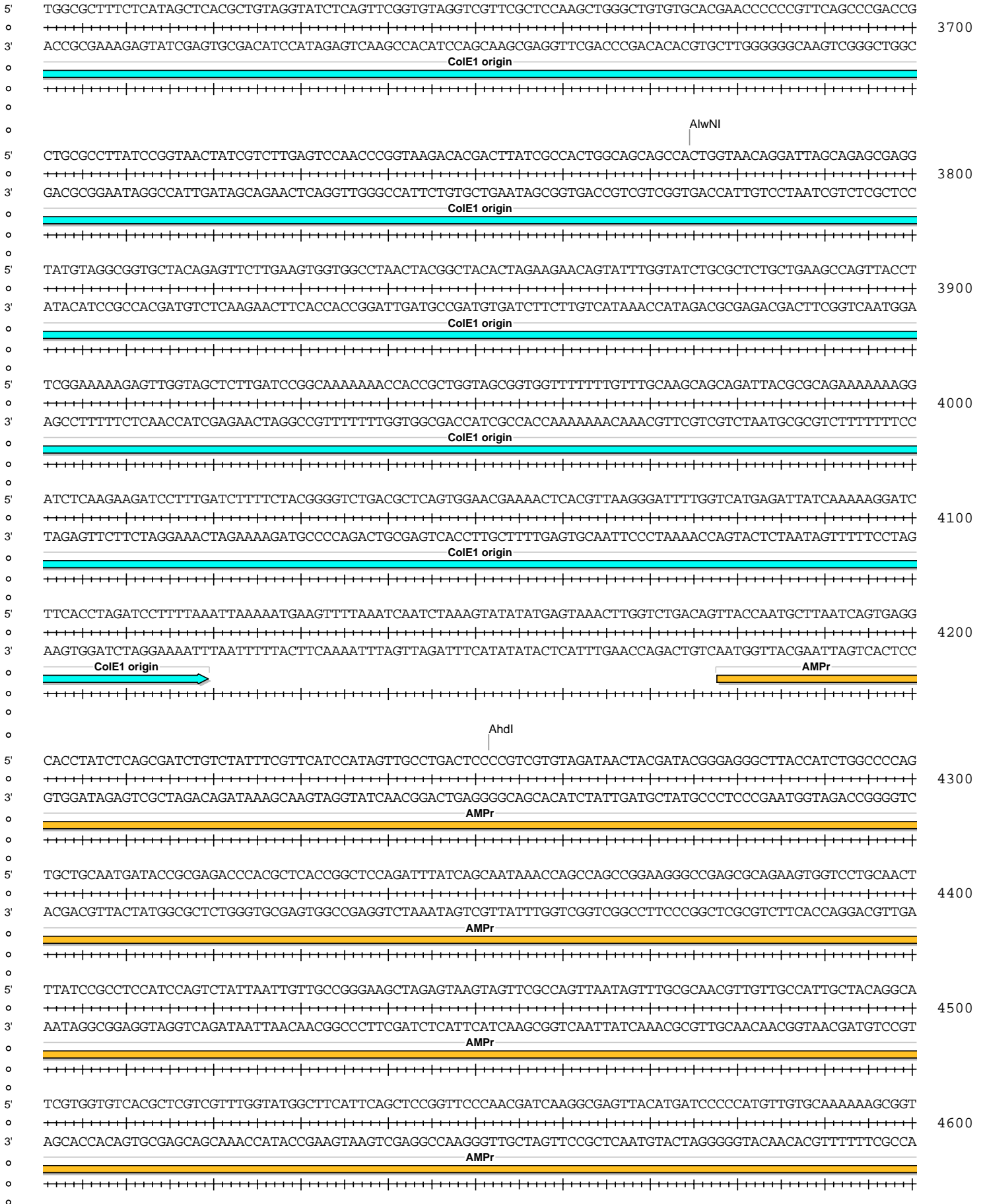
pMIR-REP-dCMV-CCNE1 3' UTR (73-536) wt + dwnstrm gDNA



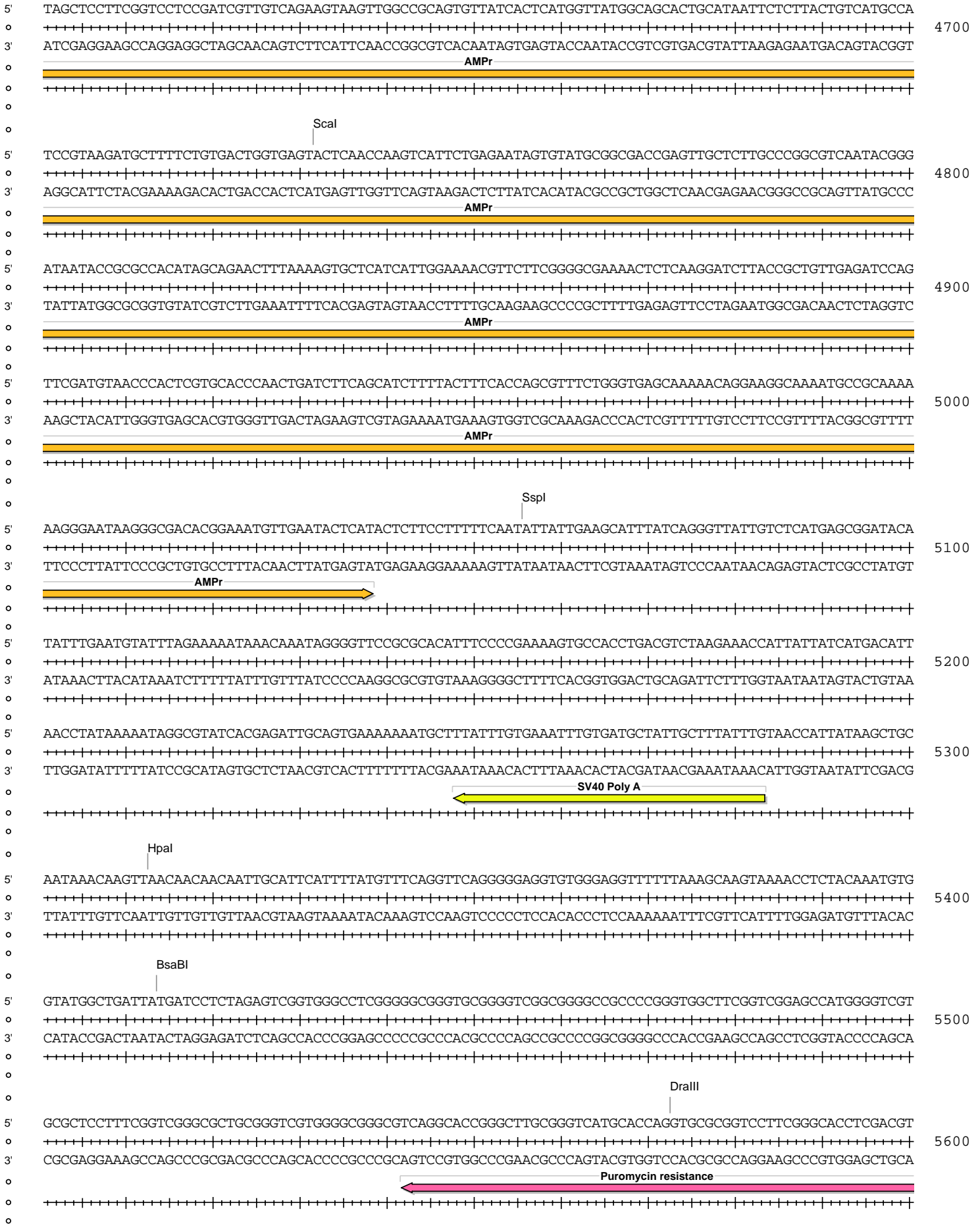
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pMIR-REP-dCMV-CCNE1 3' UTR (73-536) wt + dwnstrm gDNA





pMIR-REP-dCMV-CCNE1 3' UTR (73-536) wt + dwnstrm gDNA



pMIR-REP-dCMV-CCNE1 3' UTR (73-536) wt + dwnstrm gDNA

5' GATGCATGCTTTGCATACTTCTGCCTGCTGGGGAGCCTGGGGACTTCCACACCAATCTTTCGTC  
o ++++++  
3' CTACGTACGAAACGTATGAAGACGGACGACCCCTCGGACCCCTGAAAGGTGTGGTTAGAAAGCAG  
o SV40 Promoter  
o ++++++  
o

6565