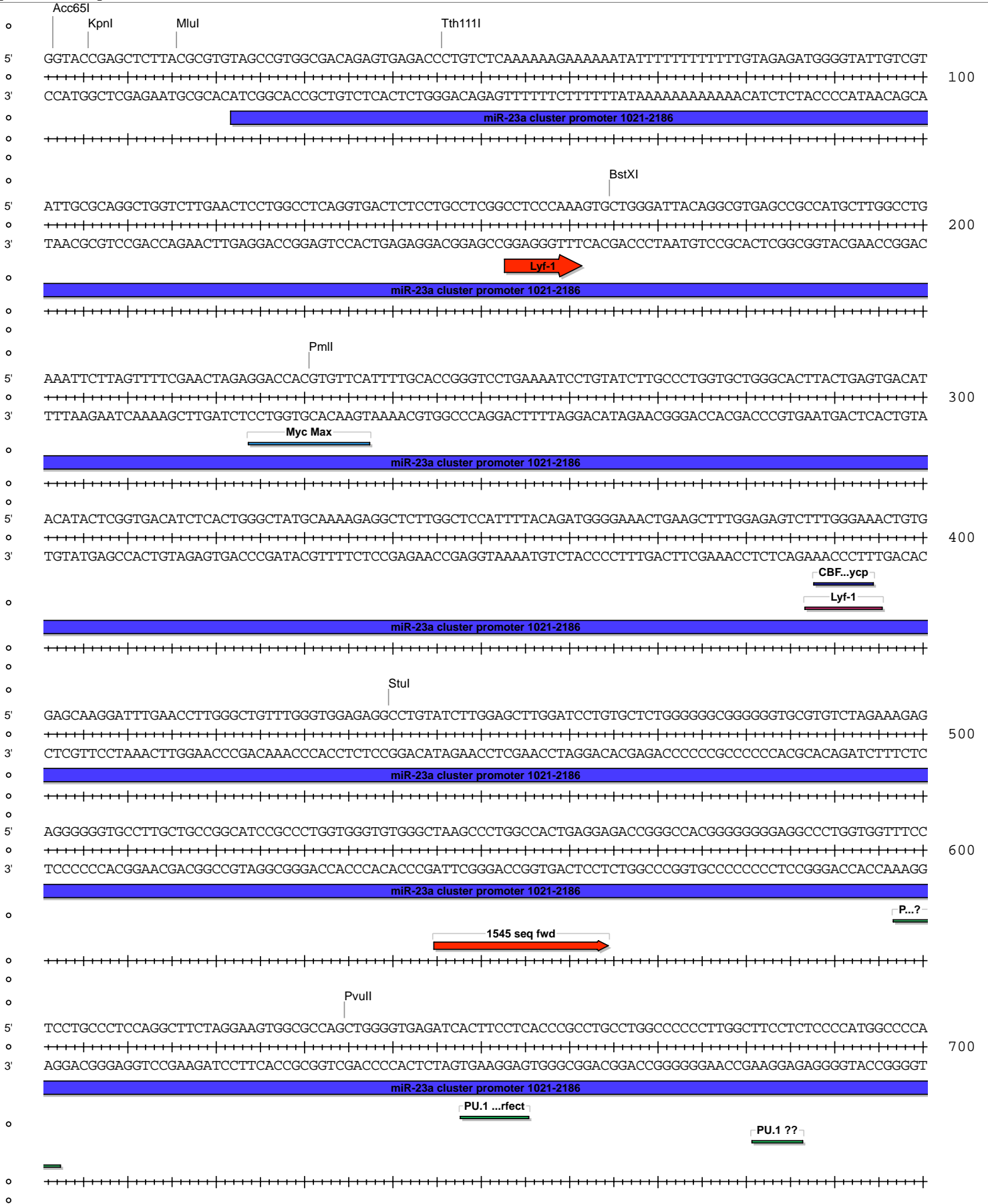
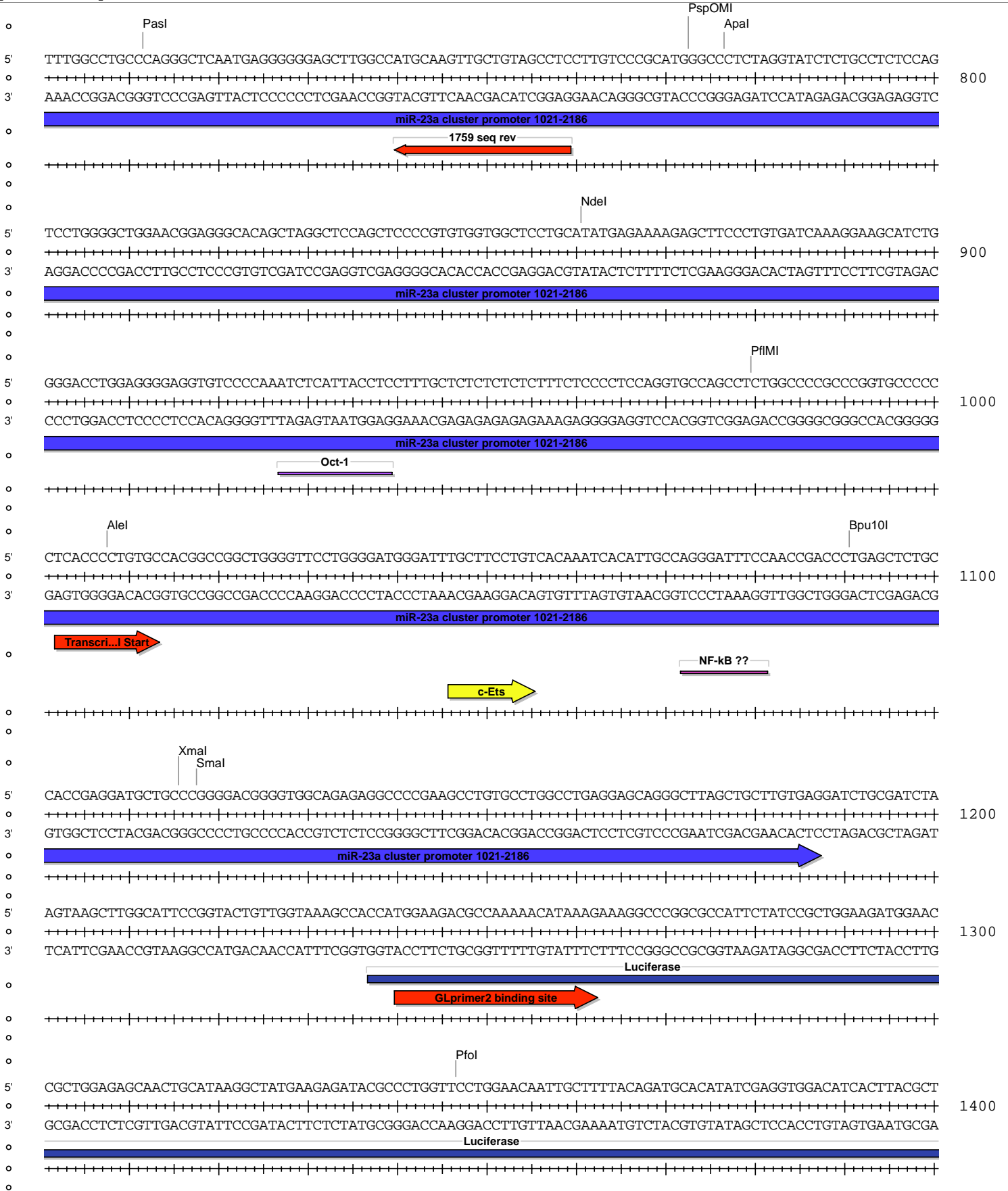




Absent Sites	0	AatII,AbSI,AfIII,Agel,Ajul,Ajul',AlfI,AlfI',ArSI,ArSI',AscI,AsiSI,AvrII,BaeI,BaeI',BarI,BarI',BbvCI,BglIII,BmgBI,BmtI,BsiWI,BsmBI,BssHIII,BstAPI,BstEII,BstZ17I,CspCI,CspCI',EcoRI,EcoRV,FspAI,MauBI,MreI,NheI,NruI,NsiI,Pacl,PmeI,PspXI,Psrl,Psrl',PstI,RsrII,SacII,SanDI,SbfI,SexAI,SfiI,SgrDI,SnaBI,SpeI,SrfI,Swal,XhoI,ZraI
Acc65I	1	2 (5969)
AccI	1	3163 (5969)
AfeI	1	3288 (5969)
AhdI	1	4305 (5969)
AleI	1	1008 (5969)
ApaI	1	777 (5969)
Asel	1	4477 (5969)
Bpu10I	1	1091 (5969)
BsaBI	1	3155 (5969)
BsgI	1	5961 (5969)
BsrGI	1	1730 (5969)
BstXI	1	165 (5969)
BtgZI	1	5449 (5969)
DraIII	1	5457 (5969)
FseI	1	2913 (5969)
HpaI	1	3054 (5969)
KpnI	1	6 (5969)
MluI	1	16 (5969)
NdeI	1	861 (5969)
NotI	1	5803 (5969)
PasI	1	712 (5969)
PciI	1	3412 (5969)
PfIMI	1	980 (5969)
PfoI	1	1347 (5969)
PmlI	1	231 (5969)
PshAI	1	3227 (5969)
PspOMI	1	773 (5969)
PvuII	1	635 (5969)
SalI	1	3162 (5969)
SgrAI	1	2668 (5969)
SmaI	1	1118 (5969)
SphI	1	1903 (5969)
StuI	1	440 (5969)
Tth111I	1	46 (5969)
XmaI	1	1116 (5969)
XmnI	1	4904 (5969)

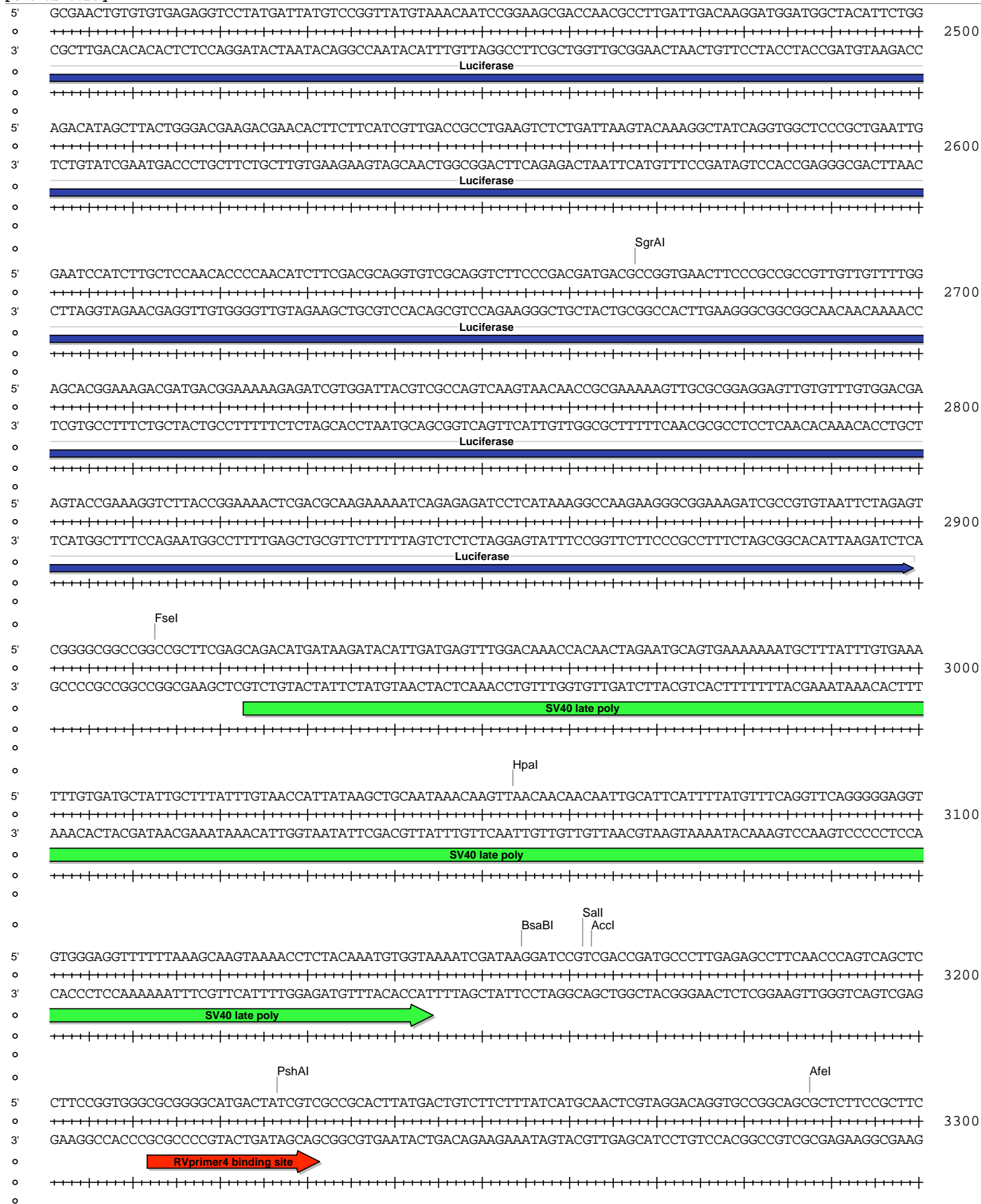
pGL3Basic.seq







pGL3Basic.seq





pGL3Basic.seq

5' AAGTAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGTCTACAGGCATCGTGGTGTACGCTCGTCTTGGTATGGCTTCATTACAGCTCCGGT  
 4600  
 3' TTCATCAAGCGGTCAATTATCAAACGCGTTGCAACAACGGTAACGATGTCCGTAGCACCACAGTGCAGCAGCAAACCATACCGAAGTAAGTCGAGGCCA  
 beta-lactamase

5' TCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAAGCGTTAGCTCCTTCGGTCCCTCCGATCGTTGTCAGAAGTAAGTTGGCCGAG  
 4700  
 3' AGGGTTGCTAGTTCGCTCAATGTACTAGGGGGTACAACACGTTTTCGCAATCGAGGAAGCCAGGAGGCTAGCAACAGTCTTCATTCAACCGCGCTC  
 beta-lactamase

5' TGTTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACTGTTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTACTCAACCAAGTCATT  
 4800  
 3' ACAATAGTGAGTACCAATACCGTCGTGACGTATTAAGAGAATGACAGTACGGTAGGCATTCTACGAAAAGACACTGACCACTCATGAGTTGGTTCAGTAA  
 beta-lactamase

5' CTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGCGCTCAATACGGGATAATACCGCGCCACATAGCAGAACTTTAAAAGTGCTCATCATTGGA  
 4900  
 3' GACTCTTATCACATACGCCGCTGGCTCAACGAGAACGGGCGCAGTTATGCCCTATTATGGCGCGGTGTATCGTCTTGAATTTTACAGTAGTAACCT  
 beta-lactamase

XmnI  
 5' AAACGTTCTTCGGGGCGAAAACCTCTCAAGGATCTTACCCTGTTGAGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTA  
 5000  
 3' TTTGCAAGAAGCCCGCTTTTGGAGATTCCTAGAAATGGCGACAACCTCTAGGTCAAGTACATTGGGTGAGCAGCTGGGTGACTAGAACTCGTAGAAAAT  
 beta-lactamase

5' CTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGAATAAGGGCGACACGAAATGTTGAATACTCATACTCTTCCT  
 5100  
 3' GAAAGTGGTCGAAAGACCCACTCGTTTGTCTTCCGTTTACGGCGTTTTCCTTATTCCTGCTGTCCTTTTAACTTATGAGTATGAGAAGGA  
 beta-lactamase

5' TTTTCAATATTATTGAAGCATTATCAGGGTATGTCTCATGAGCGGATACATATTGAATGTATTTAGAAAAATAACAAATAGGGGTTCCGCGCACA  
 5200  
 3' AAAAGTTATAATAACTTCGTAATAAGTCCCAATAACAGAGTACTCGCCTATGTATAAACTTACATAAATCTTTTATTGTTTATCCCAAGGCGCGTGT  
 beta-lactamase

5' TTTCCCGAAAAGTGCCACCTGACGCGCCCTGTAGCGGCGCATTAAAGCGCGCGGGTGTGGTGGTTACGCGCAGCGTGACCGCTACACTTGCCAGCGCCC  
 5300  
 3' AAAGGGCTTTTACGCTGGACTGCGCGGGACATCGCCGCTAATTCGCGCGCCACACCACCAATGCGCGTGCAGTGGCGATGTAACGGTTCGCGGG  
 f1 origin

5' TAGCGCCCGCTCCTTTCGCTTCTTCCCTTCTTCTCGCCACGTTTCGCCGGCTTTCCTCCGTCGCTTCTTAAATCGGGGGCTCCCTTAGGGTTCGGATT  
 5400  
 3' ATCGCGGGCGAGGAAAGCGAAAGAAGGAAGGAAAGAGCGGTGCAAGCGGCCGAAAGGGCAGTTCGAGATTTAGCCCCGAGGAAATCCCAAGGCTAA  
 f1 origin

BtgZI DrallI  
 5' TAGTGCTTTACGGCACCTCGACCCCAAAAACCTGATTAGGGTGTGGTTTACGTTAGTGGGCCATCGCCCTGATAGACGGTTTTTTCGCCCTTTGACGTTG  
 5500  
 3' ATCAGGAAATGCCGTGGAGCTGGGGTTTTTGAAGTAATCCCACTACCAAGTGCATCACCCGGTAGCGGGACTATCTGCCAAAAAGCGGAAACTGCAAC  
 f1 origin



