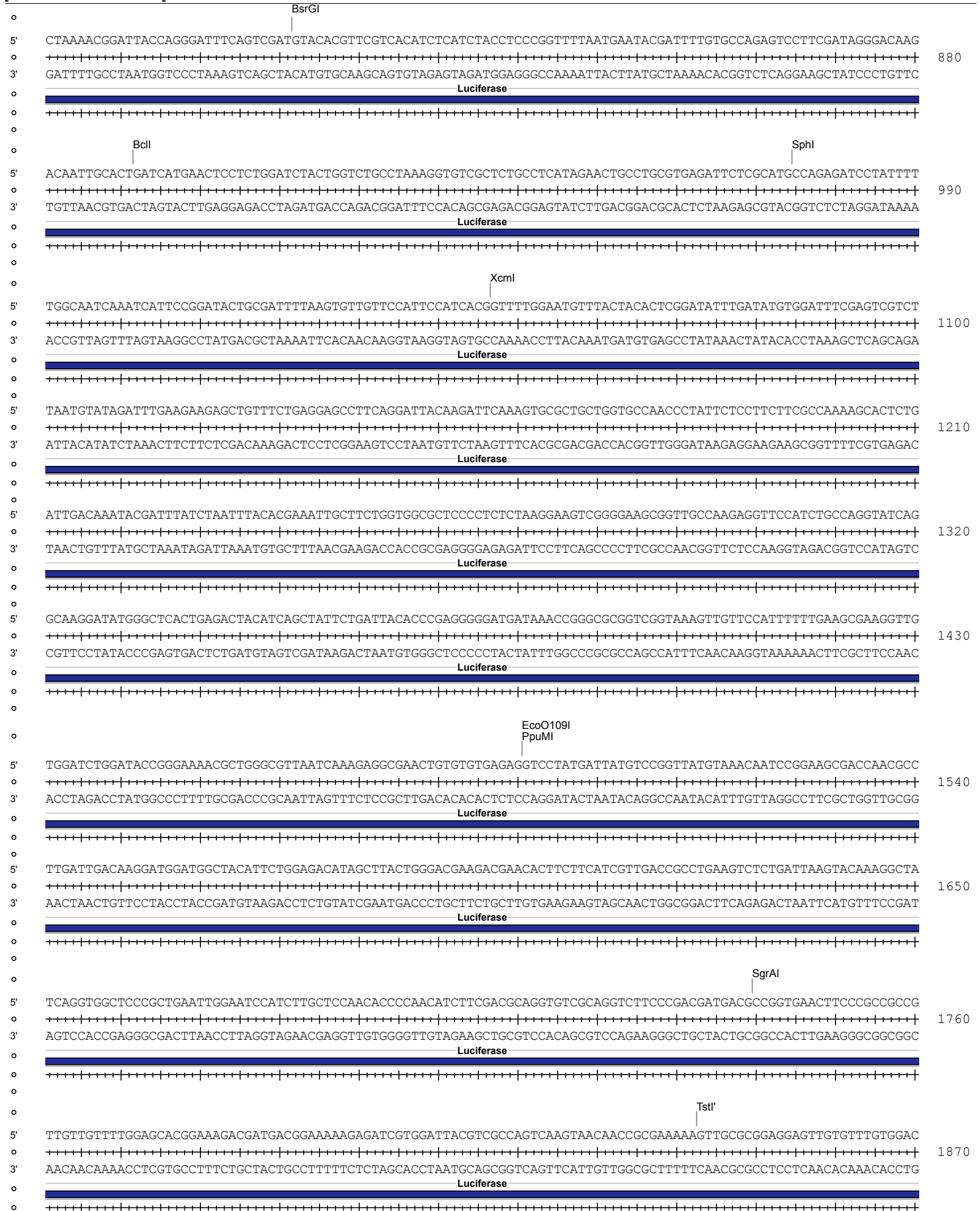


Absent Sites	0	AatII,AbstI,AfIII,AgeI,AjuI,AjuI',Alcl,AlfI,AlfI',ApaI,AscI,AsiSI,AvrII,BaeI,BaeI',BarI,BarI',BbvCI,BlpI,BmgBI,Bpu10I,BsiWI,BsmBI,BssHII,BstAPI,BstEII,BstXI,BstZ17I,Bsu36I,CspCI,CspCI',EcoRI,EcoRV,FalI,FalI',FspAI,MauBI,MreI,MscI,NdeI,NruI,Nsil,Pacl,PassI,PfIMI,PmeI,PmlI,PspOMI,PspXI,Psrl,Psrl',PstI,RsrII,SacII,SanDI,Sbfl,SexAI,SfiI,SgrDI,Smal,SnaBI,SpeI,SrfI,StuI,Swal,Tth111I,XmaI,ZraI
Acc65I	1	2
Accl	1	2235
AfeI	1	2360
AhdI	1	3377
Alol	1	4597
Alol'	1	4565
AlwNI	1	2900
ArsI	1	81
ArsI'	1	113
Asel	1	3549
BamHI	1	2228
BclI	1	892
BglII	1	260
BmtI	1	150
BsaAI	1	4526
BsaBI	1	2227
BsaI	1	3438
BsgI	1	5033
BsrGI	1	802
BstBI	1	481
BtgZI	1	4521
Drall	1	4529
EcoCRI	1	10
EcoO109I	1	1491
FseI	1	1985
HindIII	1	277
HpaI	1	2126
KasI	1	344
KpnI	1	6
MluI	1	16
NarI	1	345
NcoI	1	310
NheI	1	146
NmeAIII	1	3526
NotI	1	4875
PciI	1	2484
PfoI	1	419
PpuMI	1	1491
PshAI	1	2299
PvuII	1	241
SacI	1	12
Sall	1	2234
SfoI	1	346
SgrAI	1	1740
SphI	1	975
StyI	1	310
TstI	1	1875
TstI'	1	1843
XbaI	1	1966

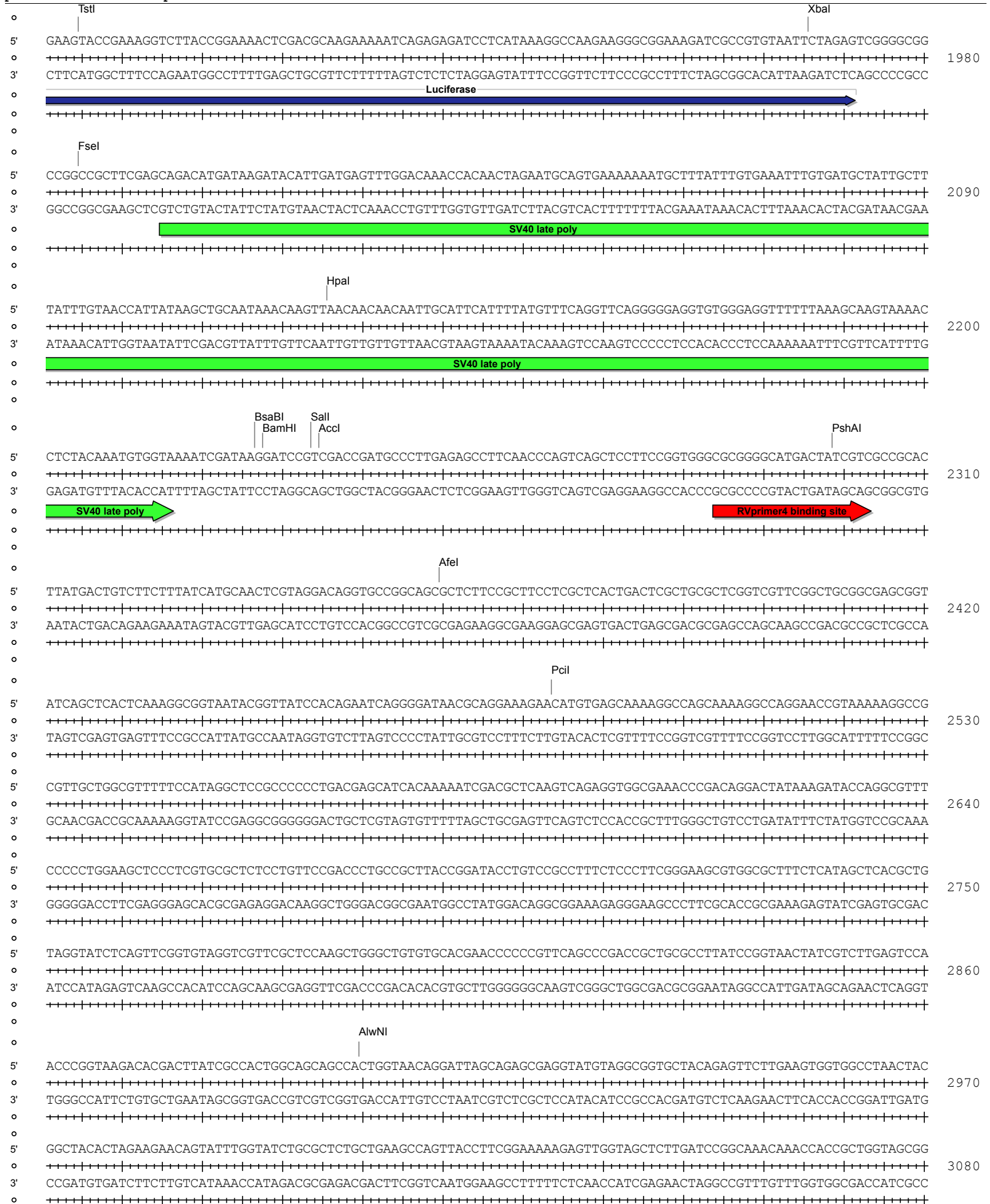
XcmI	1	1047
XhoI	1	254
XmnI	1	3976

pGL3Basic BNL2a -230 promoter





pGL3Basic BNLf2a -230 promoter



5' TGGTTTTTGGTTGCAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTCTACGGGTCTGACGCTCAGTGGAAACGAAAACACCGTT
3' ACCAAAAAACAAACGTTTCGTCGCTAATGCGCGTCTTTTTTTCTAGAGTTCTTCTAGGAACTAGAAAAGATGCCCGACAGTGCAGTACCTTGCTTTTGTAGTGCAA
AAGGATTTTGGTTCATGAGATTATCAAAAAGGATCTTACCTAGATCCTTTAAATTA AAAATGAAGTTTAAATCAATCTAAAGTATATATAGTAACTTGGTCTGAC
TTCCTAAAACCAGTACTCTAATAGTTTTTCCTAGAAGTGGATCTAGGAAAATTTAAATTTTACTTCAAATTTAGTTAGATTTTCATATATACTCATTTGAACCAGACTG
AGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTCTGTTTCATCCATAGTTGCCGTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTT
TCAATGGTTACGAATTAGTCACTCCCGTGGATAGAGTCGCTAGACAGATAAAGCAAGTAGGTATCAACGACTGAGGGCGAGCAGATCTATTGATGCTATGCCCTCCCGAA
beta-lactamase
AmpR

3190
3300
3410

AhdI

5' ACCATCTGGCCCCAGTGTGCAATGATACCGCGAGACCCAGCTCACGGCTCCAGATTATCAGCAATAAACCAGCCAGCCGGAAGGCGGAGCGCAGAAGTGGTCCTG
3' TGGTAGACCGGGGTCACGACGTTACTATGGCGCTCTGGGTGCGAGTGGCCGAGGTCTAAATAGTCGTTATTTGGTCGGTTCGGCTTCCCGGCTCGCGTCTTCACCAGGAC
beta-lactamase
AmpR

3520

BsaI

5' CAACTTTATCCGCTCCATCCAGTCTAATTAATGTGGCGGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATGTCTACAGGCATCGTG
3' GTTGAAATAGCGGAGGTAGGTCAGATAATTAACAACGCCCCCTCGATCTCATTCATCAAGCGGTCAATTATCAAACGCGTTGCAACACGGTAACGATGTCCGTAGCAC
beta-lactamase
AmpR

3630

NmeAIII

AseI

5' GTGTCACGCTCGTCGTTTGGTATGGCTTCATTCAGCTCCGGTTCCEAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAGCGGTAGCTCCTTCGGTCC
3' CACAGTGCAGCAGCAAACCATACCGAAGTAAGTCGAGCCAAGGGTTGCTAGTTCGGCTCAATGTACTAGGGGTACAACACGTTTTTTTCGCAATCGAGGAAGCCAGG
beta-lactamase
AmpR

3740

5' TCCGATCGTGTGTCAGAAGTAAGTTGGCCGAGTGTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACTGTATGCCATCCGTAAGATGCTTTTCTGTGACTG
3' AGGCTAGCAACAGTCTTCAATCAACCGGCTCACAAATAGTGAGTACCAATACCGTTCGTGACGTATTAAGAGAATGACAGTACGGTAGGCATTCACGAAAAGACACTGAC
beta-lactamase
AmpR

3850

5' GTGAGTACTCAACCAAGTCATCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGCGTCAATACGGGATAATACCGGCCACATAGCAGAAGTTTAAAAGTG
3' CACTCATGAGTTGGTTCAGTAAGACTCTTATCACATACGCCGCTGGCTCAACGAGAACGGGCGCAGTTATGCCCTATTATGGCGCGGTGTATCGTCTTCAAATTTTAC
beta-lactamase
AmpR

3960

XmnI

5' CTCATCATTGGAAAACGTTCTTCGGGGCGAAAACCTCTCAAGGATCTTACCGCTGTGAGATCCAGTTCGATGTAAACCACTCGTGCACCAACTGATCTTTCAGCATCTTT
3' GAGTAGTAACCTTTTGCAAGAAGCCCCGCTTTTGAGAGTTCCCTAGAATGGCGACAACCTTCTAGGTCAGCTACATTTGGGTGAGCAGTCGGTTGACTAGAAGTCGTAGAAA
beta-lactamase
AmpR

4070

