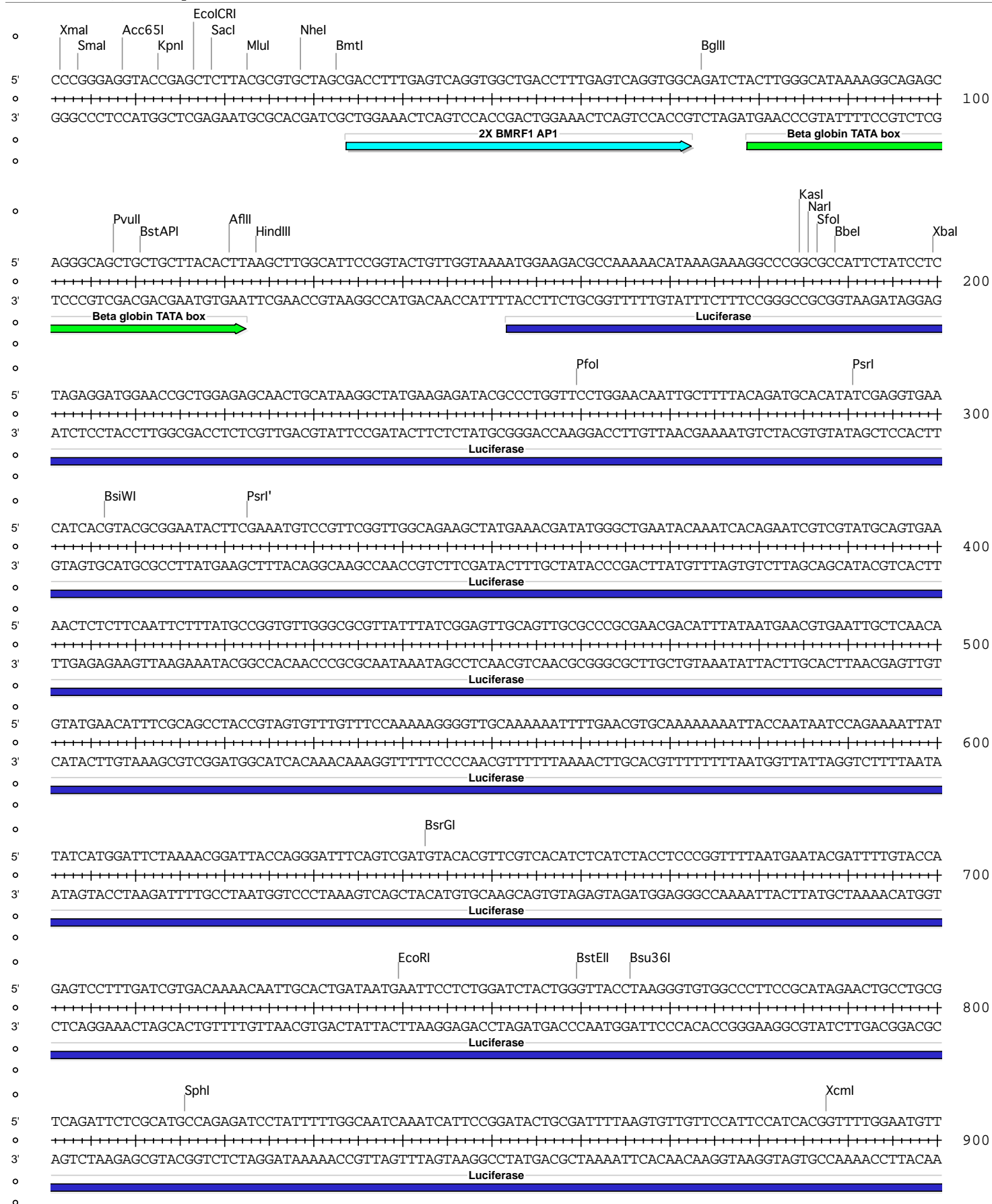
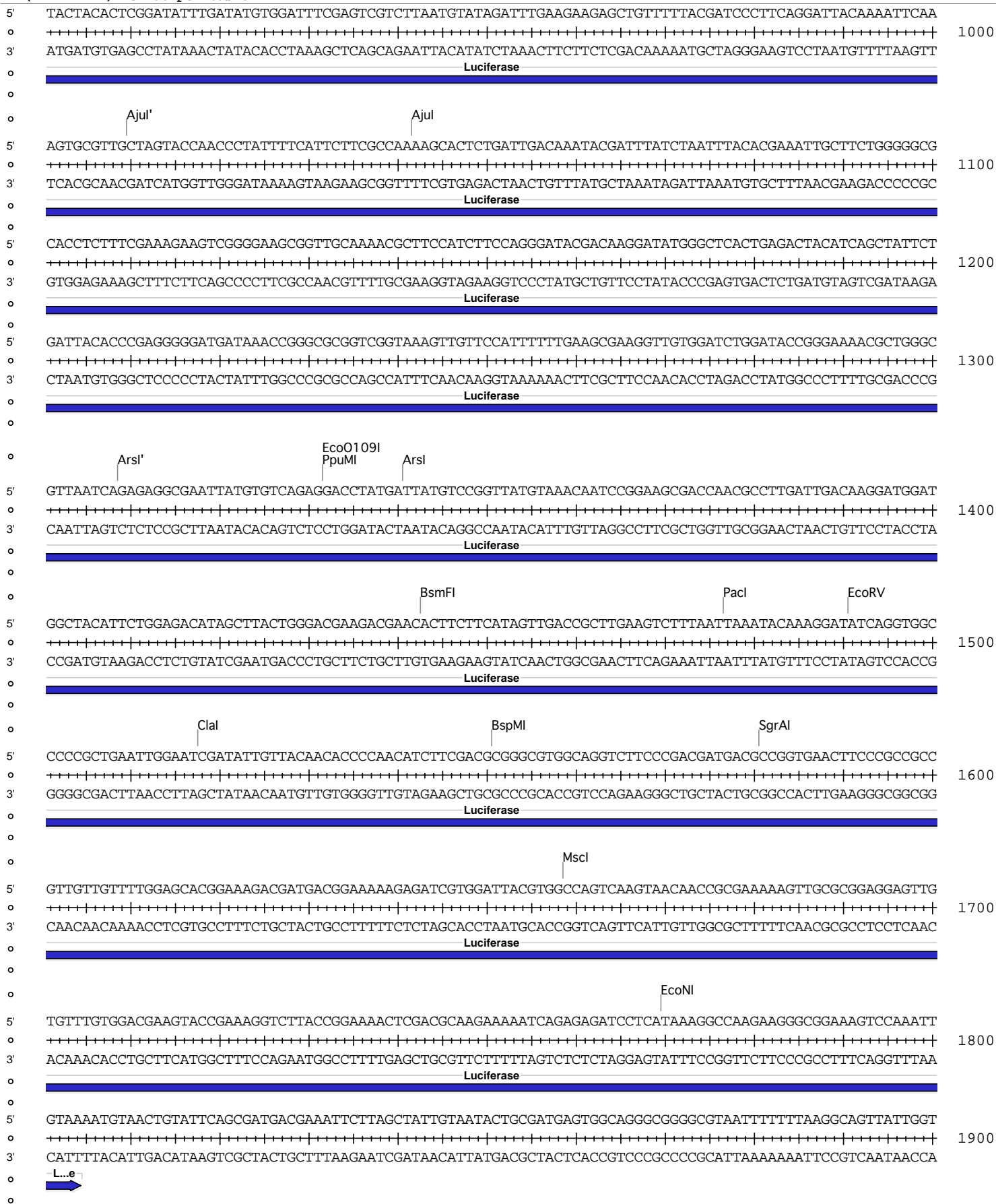


Absent Sites	0	Aarl,AatII,AbsI,Agel,Ael,Apal,Ascl,AsiSI,AvrII,Bael,Bael',BbvCI,BclI,BlpI,BmgBI,Bpu10I,BsmBI,BssHII,BstXI,BstZ17I,Btgl,CspCI,CspCI',EagI,FalI,Fall',FseI,FspAI,MauBI,MreI,NcoI,NdeI,NotI,NruI,Nsil,PasI,PmeI,PmlI,PspOMI,PspXI,PstI,RsrII,SacII,SanDI,SbfI,SexAI,SfiI,SgrDI,SnaBI,SpeI,SrfI,StuI,Swal,Tth111,XhoI,ZraI
Acc65I	1	(8) 9 (5665)
AccI	1	(2821) 2822 (2852)
AfeI	1	(2946) 2947 (2727)
AfIII	1	(120) 121 (5553)
AhdI	1	(3963) 3964 (1710)
AjuI	1	(1041) 1042 (4632)
AjuI'	1	(1009) 1010 (4664)
Alol	1	(5183) 5184 (490)
Alol'	1	(5151) 5152 (522)
ArsI	1	(1340) 1341 (4333)
ArsI'	1	(1308) 1309 (4365)
BamHI	1	(2814) 2815 (2859)
BarI	1	(1969) 1970 (3704)
BarI'	1	(2001) 2002 (3672)
BbeI	1	(188) 189 (5485)
BglIII	1	(73) 74 (5600)
BmtI	1	(32) 33 (5641)
BsaBI	1	(2582) 2583 (3091)
BsaI	1	(4024) 4025 (1649)
BsgI	1	(2351) 2352 (3322)
BsiWI	1	(306) 307 (5367)
BsmFI	1	(1442) 1443 (4231)
BspMI	1	(1550) 1551 (4123)
BsrGI	1	(642) 643 (5031)
BstAPI	1	(110) 111 (5563)
BstEII	1	(759) 760 (4914)
Bsu36I	1	(765) 766 (4908)
Clal	1	(1517) 1518 (4156)
DrallI	1	(5115) 5116 (558)
EcoICRI	1	(16) 17 (5657)
EcoNI	1	(1769) 1770 (3904)
EcoO109I	1	(1331) 1332 (4342)
EcoRI	1	(739) 740 (4934)
EcoRV	1	(1490) 1491 (4183)
HindIII	1	(123) 124 (5550)
KasI	1	(184) 185 (5489)
KpnI	1	(12) 13 (5661)
MluI	1	(22) 23 (5651)
MscI	1	(1658) 1659 (4015)
NarI	1	(185) 186 (5488)
NheI	1	(28) 29 (5645)
NmeAIII	1	(4112) 4113 (1561)
PacI	1	(1476) 1477 (4197)
PciI	1	(3070) 3071 (2603)
PfIMI	1	(2119) 2120 (3554)
PfoI	1	(259) 260 (5414)
PpuMI	1	(1331) 1332 (4342)
PshAI	1	(2885) 2886 (2788)
Psrl	1	(290) 291 (5383)

Psrl'	1	(322) 323 (5351)
Pvull	1	(107) 108 (5566)
Sacl	1	(18) 19 (5655)
Sall	1	(2820) 2821 (2853)
Scal	1	(4443) 4444 (1230)
Sfol	1	(186) 187 (5487)
SgrAl	1	(1580) 1581 (4093)
Smal	1	(3) 4 (5670)
SphI	1	(815) 816 (4858)
Styl	1	(2267) 2268 (3406)
Xbal	1	(199) 200 (5474)
XcmI	1	(887) 888 (4786)
XmaI	1	(1) 2 (5672)
XmnI	1	(4562) 4563 (1111)





o

5' GCCCTTAAACGCTGGTGCTACGCTGAATAAGTGATAATAAGCGGATGAATGGCAGAAATTCGCCGATCTTTGTGAAGGAACCTTACTTCTGTGGTGT
o ++++++ 2000

3' CGGGAATTTGCGGACCACGATGCGGACTTATTCACTATTATTCGCTACTTACCCTTTAAGCGGCCGTAGAAACACTTCTTGAATGAAGACACCACA

o

BalI

5' GACATAATTGGACAACTACCTACAGAGATTTAAAGCTCTAAGGTAAATATAAAATTTTAAAGTGATAATGTGTTAACTACTGATTCTAATTGTTTGT
o ++++++ 2100

3' CTGTATTAACCTGTTTGTATGGATGTCTCTAAATTTTCGAGATTCCATTTATATTTTAAAAATTCACATATTACACAATTTGATGACTAAGATTAACAAACA

o

PfI

5' GTATTTTAGATTCCAACCTATGGAACGTATGAATGGGAGCAGTGGTGAATGCCTTTAATGAGGAAAACCTGTTTGTCTCAGAAGAAATGCCATCTAGTG
o ++++++ 2200

3' CATAAAATCTAAGGTTGGATACCTTGACTACTTACCCTCGTCACCACCTTACGGAATTACTCCTTTTGGACAAAACGAGTCTTCTTTACGGTAGATCAC

o

StyI

5' ATGATGAGGCTACTGCTGACTCTCAACATTCTACTCCTCCAAAAAGAAGAGAAAGGTAGAAGACCCCAAGGACTTTCTTTCAGAATTGCTAAGTTTTTT
o ++++++ 2300

3' TACTACTCCGATGACGACTGAGAGTTGTAAGATGAGGAGTTTTTCTTCTCTTTCCATCTTCTGGGTTTCTGAAAGGAAGTCTTAACGATTCAAAAA

o

BspI

5' GAGTCATGCTGTGTTTAGTAATAGAACTCTTGCTTGTCTTTGCTATTTACACCACAAAGGAAAAAGCTGCACTGCTATACAAGAAAATATGGAAAAATAT
o ++++++ 2400

3' CTCAGTACGACACAAATCATTATCTTGAGAACGAACGAAACGATAAATGTGGTGTTCCTTTTTCGACGTGACGATATGTTCTTTTAATACCTTTTTATA

o

5' TCTGTAACCTTTATAAGTAGGCATAACAGTTATAATCATAACATACTGTTTTTCTTACTCCACACAGGCATAGAGTGTCTGCTATTAATAACTATGCTC
o ++++++ 2500

3' AGACATTGGAAATATTCATCCGATTGTCAATATTAGTATGTATGACAAAAAGAATGAGGTGTGTCGGTATCTCACAGACGATAATTATTGATACGAG

o

BsaBI

5' AAAAAATGTGTACCTTTAGCTTTTAAATTTGTAAGGGTTAATAAGGAATATTTGATGTATAGTGCCTTGACTAGAGATCATAATCAGCCATACCACAT
o ++++++ 2600

3' TTTTAAACACATGGAAATCGAAAAATTAACATTTCCCAATTATTCCTTATAAACTACATATCACGGAAGTATCTTAGTATTAGTCGGTATGGTGTA

o **SV40 ...olyA**

5' TTGTAGAGGTTTTACTTGCTTTAAAAACCTCCCACACCTCCCCTGAACCTGAAACATAAAATGAATGCAATTGTTGTTGTTAACTTGTTTTATTGCAGC
o ++++++ 2700

3' AACATCTCCAAAATGAACGAAATTTTTTGGAGGTGTGGAGGGGACTTGGACTTTGTATTTTACTTACGTTAACACAACAATGGAACAAATAACGTCG

o **SV40 late polyA**

o

5' TTATAATGGTTACAAATAAAGCAATAGCATCACAAATTTCAAAATAAAGCATTTTTTTTCACTGCATTCTAGTTGTGGTTTGTCCAACTCATCAATGTA
o ++++++ 2800

3' AATATTACCAATGTTTATTTCGTTATCGTAGTGTTTAAAGTGTTTATTTCGTAAAAAAAGTACGTAAGATCAACACCAACAGGTTTGAGTAGTTACAT

o **SV40 late polyA**

o

BamHI SalI
o Accl

5' TCTTATCATGTCTGGATCCGTCGACCGATGCCCTTGAGAGCCTTCAACCCAGTCAGCTCCTTCCGGTGGGCGGGGCATGACTATCGTCGCCGACTTA
o ++++++ 2900

3' AGAATAGTACAGACCTAGGCAGCTGGCTACGGGAATCTCGGAAGTTGGGTGAGTCGAGGAAGGCCACCCGCGCCCGTACTGATAGCAGCGGCGTGAAT

o **SV40 late polyA**

o

AfeI

5' TGACTGTCTTCTTTATCATGCAACTCGTAGGACAGGTGCCGGCAGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCGTTCCGGCTGCCGC
o ++++++ 3000

3' ACTGACAGAAGAAATAGTACGTTGAGCATCCTGTCCACGCGCGTCGCGAGAAGGCGAAGGAGCGAGTACTGAGCGACGCGAGCCAGCAAGCCGACCGCC

o

```

o
5' GAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAGGCCAGCAAAGGCCAG
o ++++++ 3100
3' CTCGCCATAGTCGAGTGAGTTTCCGCCATTATGCCAATAGGTGTCTTAGTCCCCTATGCGTCCTTTCTGTACTACTCGTTTTCCGGTCGTTTTCCGGTC
o
5' GAACCGTAAAAAGGCCGCGTGTGCGGTTTTTCCATAGGCTCCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCG
o ++++++ 3200
3' CTTGGCATTTTTCCGGCGCAACGACCGCAAAAAGGTATCCGAGGCGGGGGACTGCTCGTAGTGTTTTTAGCTGCGAGTTCAGTCTCCACCGCTTTGGGC
o
5' ACAGACTATAAAGATACCAGCGTTTTCCCTGGAAGCTCCCTCGTGCCTCTCTGTTCCGACCCGCGCCGTTACCGGATACCTGTCCGCCTTTTCTCC
o ++++++ 3300
3' TGTCTGATATTTCTATGGTCCGCAAAGGGGGACCTTCGAGGGAGCACGCGAGAGGACAAGGCTGGGACGGCGAATGGCCTATGGACAGCCGAAAGAGG
o
5' CTTCCGGGAAGCGTGGCGCTTTTCTCAATGCTCAGCTGTAGGTATCTCAGTTCGGTGTAGGTGTTCCGCTCCAAGCTGGGCTGTGTGCACGAACCCCGT
o ++++++ 3400
3' GAAGCCCTTCGCACCCGAAAGAGTTACGAGTGCACATCCATAGAGTCAAGCCACATCCAGCAAGCGAGGTTGACCCGACACACGTGCTTGGGGGGCA
o
5' TCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAAACAGGATT
o ++++++ 3500
3' AGTCGGGCTGGCGACGCGGAATAGGCCATTGATAGCAGAACTCAGGTTGGGCCATTCTGTGTGAATAGCGGTGACCGTCGTCGGTGACCATTGTCTCTAA
o
5' AGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGCTGA
o ++++++ 3600
3' TCGTCTCGCTCCATACATCCGCCACGATGTCTCAAGAATTCCACCACCGATTGATGCCGATGTGATCTTCCTGTCATAAACCATAGACGCGAGACGACT
o
5' AGCCAGTTACCTTCGGAATAAGAGTTGGTAGCTCTTGATCCGGCAAACAACCCACCGCTGGTAGCGGTGGTTTTTTTGTGTTGCAAGCAGCAGATTACGGC
o ++++++ 3700
3' TCGGTCAATGGAAGCCTTTTTCTCAACCATCGAGAACTAGGCCGTTGTTTGGTGGCGACCATCGCCACCAAAAAAACAAACGTTGTCGTCTAATGCGC
o
5' CAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGTCTGACGCTCAGTGGAACGAAAACCTCAGTTAAGGGATTTTGGTCATGAGATTA
o ++++++ 3800
3' GTCTTTTTTCTTAGAGTTCTCTAGGAAACTAGAAAAGATGCCCCAGACTGCGAGTACCTTGCTTTTGGAGTGAATTCCTAAAACAGTACTCTAAT
o
5' TCAAAAAGGATCTTACCTAGATCCTTTAAATTAATAATGAAGTTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCT
o ++++++ 3900
3' AGTTTTTCTTAGAAGTGGATCTAGGAAAATTAATTTTTACTTCAAAATTTAGTTAGATTTTCATATATACTCATTTGAACCAGACTGTCAATGGTTACGA

```

beta-lactamase

PciI

AhdI

```

5' TAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACC
o ++++++ 4000
3' ATTAGTCACTCCGTGGATAGAGTCGCTAGACAGATAAAGCAAGTAGGTATCAACGGACTGAGGGGCAGCACATCTATTGATGCTATGCCCTCCCGAATGG

```

beta-lactamase

BsaI

```

5' ATCTGGCCCCAGTGTGCAATGATACCGCGAGACCACGCTCACC GGCTCCAGATTTATCAGCAATAAACAGCCAGCCGGAAGGGCCGAGCGCAGAAGT
o ++++++ 4100
3' TAGACCGGGTTCACGACGTTACTATGGCGCTCTGGGTGCGAGTGCCGAGGCTAAATAGTCGTTATTGGTGGTCCGGCTTCCCGGCTCGCGTCTTCA

```

beta-lactamase

NmeAIII

```

5' GGTCTGCAACTTTATCCGCCTCCATCCAGTCTATTAATTGTTGCCGGAAGCTAGAGTAAGTAGTTCCGCCAGTTAATAGTTTGCACAACGTTGTTGCCA
o ++++++ 4200
3' CCAGGACGTTGAAATAGGCGGAGGTAGGTCAGATAATTAAACAACGCCCTTCGATCTCATTTCATCAAGCGGTCAATTATCAAACCGGTTGCAACAACGGT

```

beta-lactamase

```

5' TTGCTACAGGCATCGTGGTGTACGCTCGTCTGGTATGGCTTCATTTCAGCTCCGGTTCCCAACGATCAAGGCGAGTTACATGATCCCCCATGTTGTG
o ++++++ 4300
3' AACGATGTCGGTAGCACCACAGTGCAGCAGCAAACCATACCGAAGTAAGTGCAGGCCAAGGGTTGCTAGTTCCGCTCAATGTACTAGGGGGTACAACAC

```

beta-lactamase

