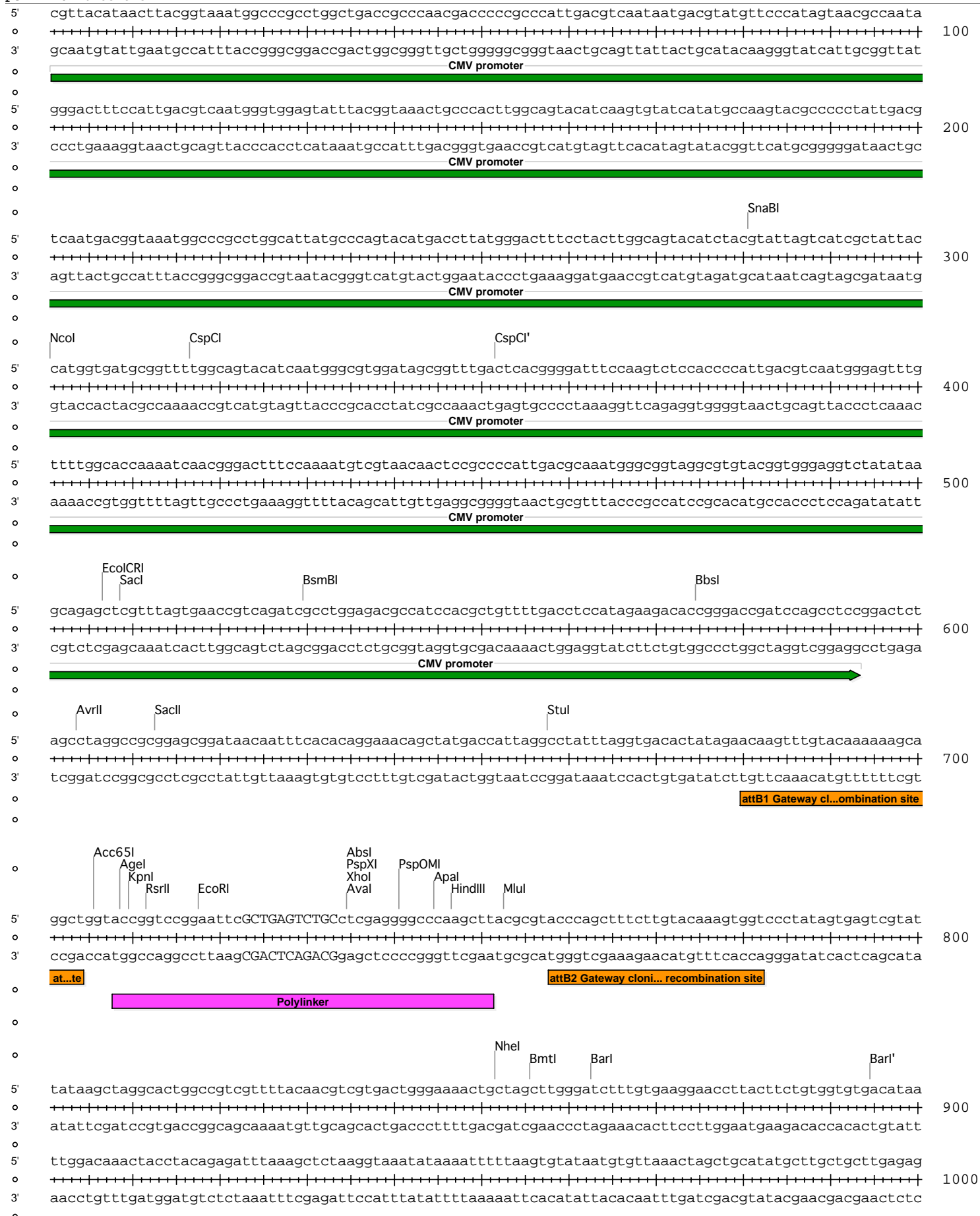
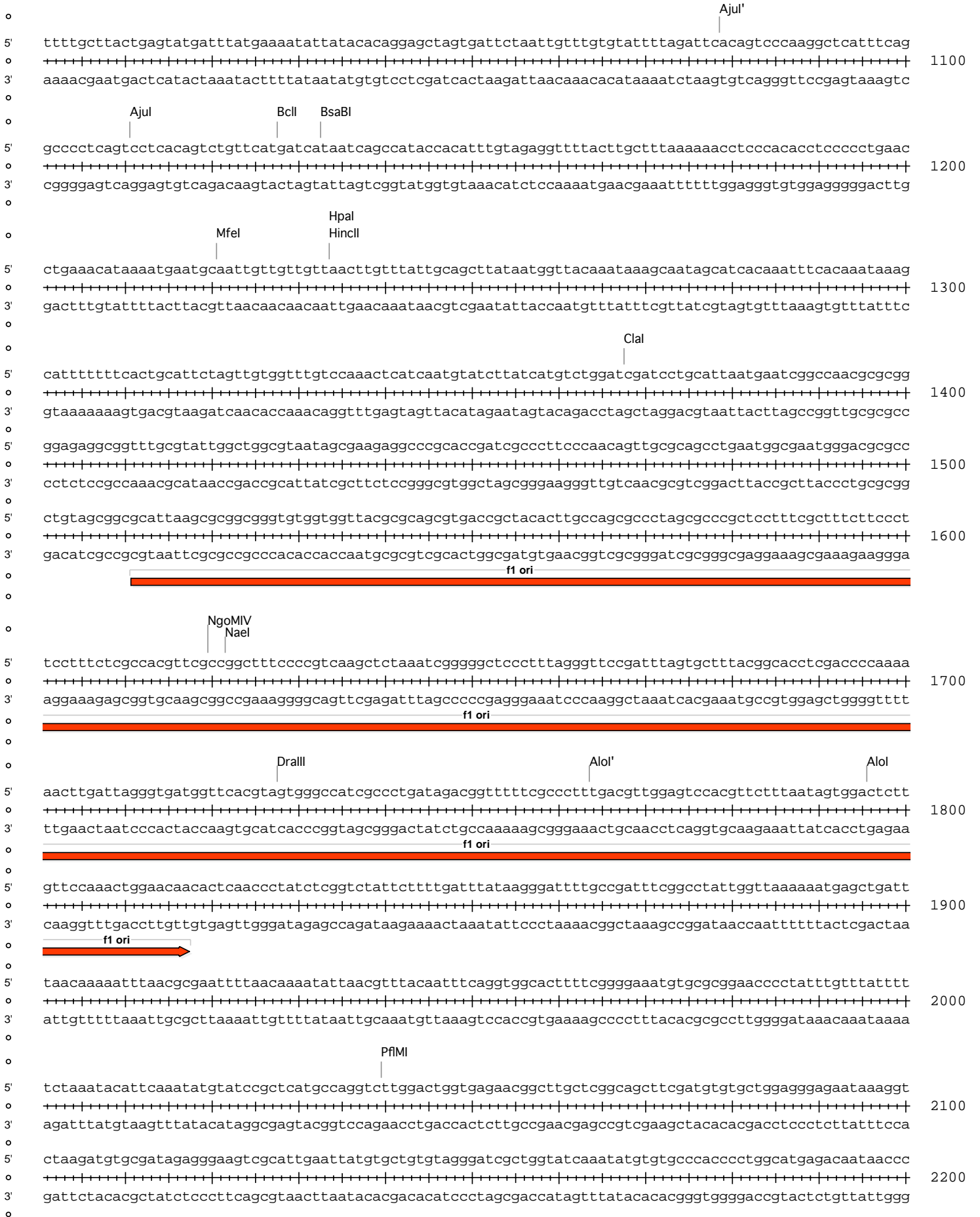


Absent Sites	0	Aarl,Accl,Afel,Afll,Alel,Arsl,Arsl',Ascl,AsiSl,Bael,Bael',BamHI,Bbel,BbvCI,BglII,Blpl,BmgBI,Bpu10I,BseRI,BsgI,BsiWI,BspMI,BssHII,BstBI,BstEII,BstXI,BstZ17I,Bsu36I,EagI,EcoNI,EcoRV,Fall,Fall',FseI,FspAI,KasI,MauBI,Mrel,MscI,NarI,NotI,Nrul,Pacl,PaSl,PfoI,PmeI,PmlI,PpuMI,PshAI,Psrl,Psrl',PstI,Pvull,Sall,SanDI,Sbfl,SexAI,Sfil,SfoI,SgrAI,SgrDI,Smal,Spel,SphI,Srfl,Swal,TstI,Tstl',Tth111I,Xbal,XcmI,Xmal
AbsI	1	(734) 735 (3623)
Acc65I	1	(705) 706 (3652)
AgeI	1	(708) 709 (3649)
AhdI	1	(3024) 3025 (1333)
AjuI	1	(1110) 1111 (3247)
AjuI'	1	(1078) 1079 (3279)
Alol	1	(1795) 1796 (2562)
Alol'	1	(1763) 1764 (2594)
AlwNI	1	(3545) 3546 (812)
ApaI	1	(744) 745 (3613)
AvaI	1	(734) 735 (3623)
AvrII	1	(603) 604 (3754)
BaI	1	(862) 863 (3495)
BaI'	1	(894) 895 (3463)
BbsI	1	(574) 575 (3783)
BcgI	1	(2520) 2521 (1837)
BcgI'	1	(2486) 2487 (1871)
BclI	1	(1127) 1128 (3230)
BmtI	1	(855) 856 (3502)
BsaBI	1	(1132) 1133 (3225)
BsaI	1	(2958) 2959 (1399)
BsmBI	1	(529) 530 (3828)
BstAPI	1	(4137) 4138 (220)
Clal	1	(1367) 1368 (2990)
CspCI	1	(316) 317 (4041)
CspCI'	1	(351) 352 (4006)
DrallI	1	(1727) 1728 (2630)
EcoICRI	1	(506) 507 (3851)
EcoRI	1	(717) 718 (3640)
HincII	1	(1233) 1234 (3124)
HindIII	1	(746) 747 (3611)
HpaI	1	(1233) 1234 (3124)
KpnI	1	(709) 710 (3648)
MfeI	1	(1220) 1221 (3137)
MluI	1	(752) 753 (3605)
NaeI	1	(1621) 1622 (2736)
NcoI	1	(300) 301 (4057)
NgoMIV	1	(1619) 1620 (2738)
NheI	1	(851) 852 (3506)
NsiI	1	(4354) 4355 (3)
PciI	1	(3954) 3955 (403)
PfIMI	1	(2039) 2040 (2318)
PspOMI	1	(740) 741 (3617)
PspXI	1	(734) 735 (3623)
RsrII	1	(711) 712 (3646)
SacI	1	(508) 509 (3849)
SacII	1	(612) 613 (3745)
SapI	1	(4071) 4072 (286)

Scal	1	(2543)	2544	(1814)
SnaBI	1	(280)	281	(4077)
Stul	1	(657)	658	(3700)
XhoI	1	(734)	735	(3623)
XmnI	1	(2424)	2425	(1933)

pCMV-SPORT6-control





pCMV-SPORT6-control

5' tgataaatgcttcaataatattgaaaaaggaagagatgagattcaacatttccgtgctgcacctattccctttttgcgccattttgccttctctgttt
o ++++++
3' actatttacgaagttattataacttttctctcactactcataagttgtaaaggcacagcggggaaataaggggaaaaaacgccgtaaacggaaggacaaa
o **Amp resistance**

5' ttgctcaccagaaaacgctgggtgaaagtaaaagatgctgaagatcagttgggtgacagagtggttacatcgaactggatctcaacagcggtaagatcct
o ++++++
3' aacgagtggtctttgcgaccactttcattttctacgacttctagtcacccacgtgctcaccatgtagcttgacctagagttgtcgccattctagga
o **Amp resistance**

XmnI BclI'

5' tgagagttttcgccccgaagaacggtttccaatgatgagcacttttaagttctgctatgtggcgcggtattatcccgatttgacgcccgggcaagagcaa
o ++++++
3' actctcaaaagcggggcttcttgcaaaaggttactactcgtgaaaattcaagacgatacccgccataatagggcataactcggcccgttctcgtt
o **Amp resistance**

BclI Scal

5' ctcggtcgccgcatacactattctcagaatgacttgggtgagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaagagaattatgca
o ++++++
3' gagccagcggcgtatgtgataagagtcctactgaaccaactcatgagtggtcagtgctttctcgtagaatgctaccgtactgtcattctcttaatacgt
o **Amp resistance**

5' gtgctgccataaacatgagtgataaacactgcggccaacttacttctgacaacgatcggaggaccgaaggagctaacgcgtttttgcaacaatggggga
o ++++++
3' cacgacggtattggtactcactattgtgacgccggttgatgaagactgttgctagcctcctggcttctcgtatggcgaaaaaacgtgtgtaccctt
o **Amp resistance**

5' tcatgtaactcgccttgatcgttgggaaccggagctgaatgaagccataccaaacgacgagcgtgacaccacgatgcctgtagcaatggcaacaacgttg
o ++++++
3' agtacattgagcggaaactagcaacccttggcctcgacttacttcggtatggtttgctgctcgcactgtgggtgctacggacatcgttacgctgtgtgcaac
o **Amp resistance**

5' cgcaactataactggcgaactacttactctagcttcccggcaacaattaatagactggatggaggcggataaagttgcaggaccacttctgcgctcgg
o ++++++
3' gcgcttgataaattgaccgcttgatgaatgagatcgaaggccgcttgtaattatctgacctacctccgcctatttcaacgtcctggtgaagacgcgagcc
o **Amp resistance**

Bsal

5' cccttccggctggctggtttattgctgataaatctggagccggtgagcgtgggtctcgcggtatcatgacgactggggccagatggttaagccctcccg
o ++++++
3' gggaaaggccgaccgaccaaataacgactatttagacctcggccactcgcaccagagcgcctagtaacgctcgtgacccggctaccattcgggagggc
o **Amp resistance**

AhdI

5' tatcgtagttatctacacgacggggagttaggcaactatggatgaacgaaatagacagatcgtgagataggtgcctcactgattaagcattggttaactg
o ++++++
3' atagcatcaatagatgtgctgcccctcagtcggttgatacctacttcttctgtctagcacttatccacggagtgactaattcgttaaccattgac
o **Amp resistance**

5' tcagaccaagttactcatatatacttttagattgatttaaacttcatttttaatttaaaggatctagggtgaagatcctttttgataatctcatgccat
o ++++++
3' agtctggttcaaatgagtataatgaaactaactaaatttgaagtaaaaattaaatttcttagatccacttctaggaaaaactattagagtacggt
o **...**

5' aactcgtataatgtatgctatacgaagtattggcatgacaaaaatccctaacgtgagtttccggtccactgagcgtcagaccccgtagaaaagatcaa
o ++++++
3' ttgaagcatattacatagatgcttcaataccgactggttttagggaattgcactcaaaagcaaggtgactcgcagctcggggcatcttttctagtt
o **loxP**

pCMV-SPORT6-control

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5'   aggatcttcttgagatccttttttctgcgcgtaaatctgctgcttgcaaacacacccaccgctaccagcgggtggtttggttgcggatcaagagcta
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   tcctagaagaactctaggaaaaagacgcgcattagacgacgaacggttgttttttgggtggcgatggtcgccaccaaacacggcctagttctcgat
o
5'   ccaactcttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtccttctagtgtagccgtagtttagccaccacttcaagaactctg
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   ggttgagaaaaaggcttccattgaccgaagtcgtctcgcgctcatggttatgacaggaagatcacatcggcatcaatccgggtggtgaagtctctgagac
o
o
                                     AlwNI
                                     |
5'   tagcaccgcctacatacctcgcctctgctaatacctgttaccagtggtcgtgccagtgccgataaagtctgtctctaccgggttgactcaagacgatagtt
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   atcgtggcggatgtatggagcgcagacgattaggacaatggtcaccgcagcaggtcaccgctattcagcacagaatggcccaacctgagttctgctatcaa
o
5'   accggataaggcgcagcggctcgggctgaacggggggttcgtgcacacagcccagcttgagcgaacgcctacaccgaactgagatacctacagcgtgag
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   tggcctattccgctgcgcagcccagacttgcccccaagcacgtgtgtcgggtcgaaacctcgcttgctggatgtggcttgactctatggatgtcgcactc
o
5'   cattgagaaaagcgccacgcttccgaagggagaaaggcggacaggtatccggtaagcggcagggtcggaacaggagagcgcacgagggagcttccagggg
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   gtaactcttccggtgcaagggttccctcttccgcctgtccataggccattcgcctccagccttgctctctcgcgtgctccctcgaaggtcccc
o
5'   gaaacgcctggatctttatagtcctgtcgggttccgcaacctctgacttgagcgtcgattttgtgatgctcgtcaggggggaggagcctatggaaaaa
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   ctttgcggaccatagaaatatcaggacagcccgaagcgggtggagactgaactcgcagctaaaaaacactacgagcagtcctcccgctcggatacctttt
o
o
                                     PciI
                                     |
5'   cgccagcaacgcggcctttttacgggtcctggccttttctgctggccttttctcacatggtctcttctcgcgttatcccctgattctgtggataaccgtatt
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   gcggtcgttgcgcggaaaaaatgccaaaggaccggaaaaacgaccggaaaaacgagtgtaacaagaaggacgcaataggggactaagacacctattggcataa
o
o
                                     SapI
                                     |
5'   accgcctttgagtgcgctgataccgctcgccgcagccgaacgaccgagcgcagcagtcagtgagcgcggaagcgggaagagcgcaccaatacggaaaaccgc
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   tggcggaaactcactcgactatggcgcagcggcgtcggctgctggctcgcgctcagtcactcgctccttcgccttctcgcgggttatgcggttggcg
o
o
                                     BstAPI
                                     |
5'   ctctccccgcgcggttggccgattcattaatgcagagcttgcaattcgcgcgtttttcaatattattgaagcatttatcaggggttatgtctcatgagcgg
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   gagaggggcgcgcaaccggctaagtaattacgtctcgaacggttaagcgcgcaaaaagttataataacttcgtaaatagtccaataacagagtactcgcc
o
5'   atacatatttgaatgtatttagaaaaataaacaataaggggttccgcgcacatttccccgaaaagtgccacctgacgtctaagaaaaccattattatcatg
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   tatgtataaaacttacataaatctttttatgtttatccccaaaggcgcgtgtaaaggggcttttcacgggtggactgcagattctttggtaataatagtagc
o
o
                                     NsiI
                                     |
5'   acattaacctataaaaaataggcgtagtagcagggcctttcactcattagatgcatgt
o   +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'   tgtaattggatatttttatccgcatcatgctccgggaaagtgagtaaatctacgtaca
o

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