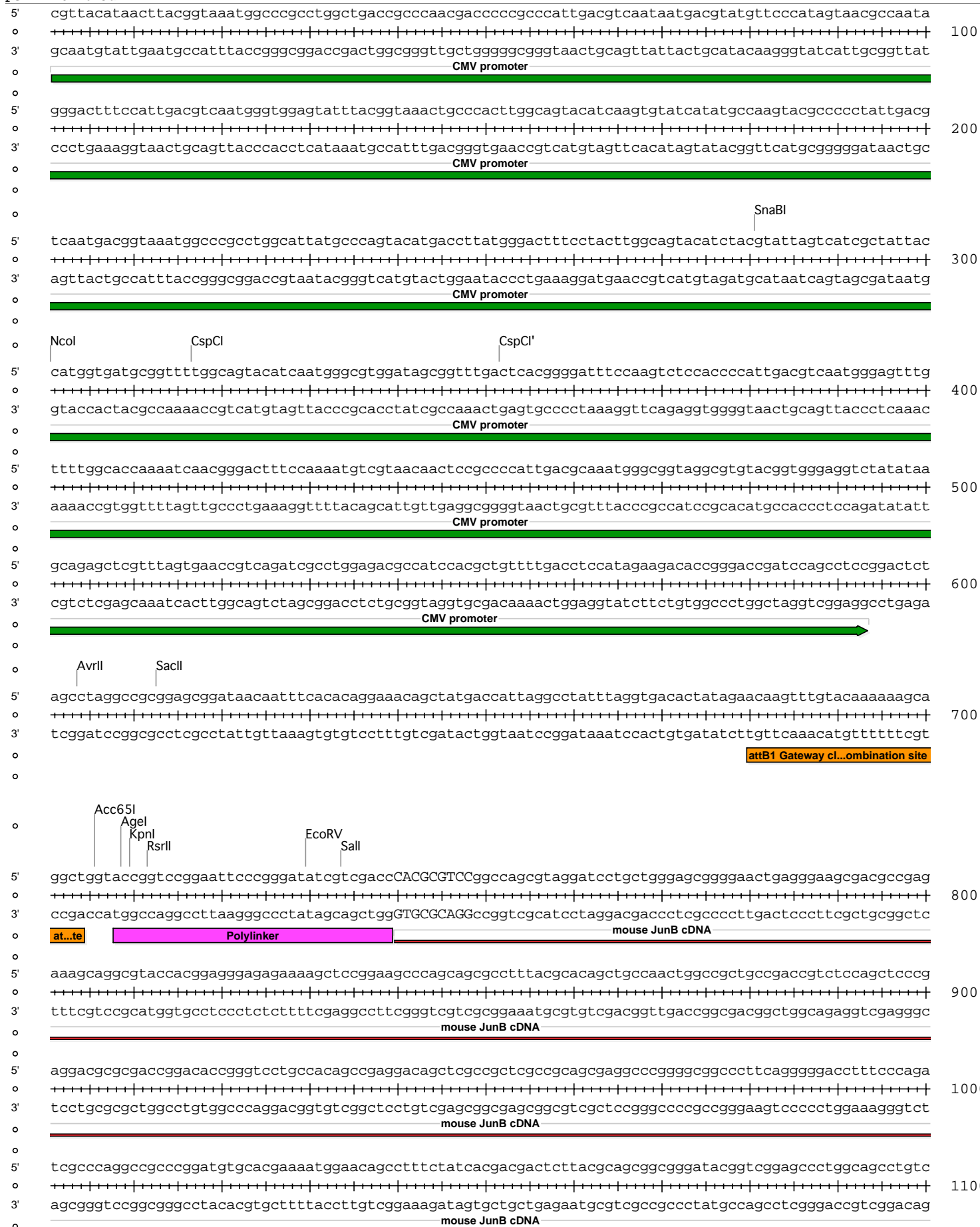


pCMV-SPORT6 JunB

Absent Sites	0	AarI,AfIII,Arsl,Arsl',Ascl,AsiSl,Bael,Bael',BgIII,Blpl,BmgBI,BsiWI,BstBI,BstEII,BstZ17I,EcoNI,Fall,Fall',FspAI,MauBI,Mrel,MscI,Nrul,Pacl,Pmel,Psrl,Psrl',PstI,Sbfl,SexAI,Sfil,SgrAI,SgrDI,Spel,SphI,Srfl,Swal,TstI,TstI',Tth111I
Acc65I	1	706 (6177)
AfeI	1	1283 (6177)
AgeI	1	709 (6177)
AleI	1	2115 (6177)
Alol	1	3616 (6177)
Alol'	1	3584 (6177)
Apal	1	2565 (6177)
AvrII	1	604 (6177)
BarI	1	2683 (6177)
BarI'	1	2715 (6177)
BbvCI	1	1562 (6177)
BcgI	1	4341 (6177)
BcgI'	1	4307 (6177)
Bpu10I	1	1562 (6177)
BseRI	1	1412 (6177)
BspMI	1	1452 (6177)
BssHII	1	1889 (6177)
Bsu36I	1	1958 (6177)
Clal	1	3188 (6177)
CspCI	1	317 (6177)
CspCI'	1	352 (6177)
EagI	1	2536 (6177)
EcoRV	1	730 (6177)
FseI	1	1512 (6177)
HindIII	1	2567 (6177)
HpaI	1	3054 (6177)
KpnI	1	710 (6177)
MfeI	1	3041 (6177)
NcoI	1	301 (6177)
NotI	1	2536 (6177)
NsiI	1	6175 (6177)
PciI	1	5775 (6177)
PfIMI	1	3860 (6177)
PmlI	1	1462 (6177)
PspOMI	1	2561 (6177)
RsrII	1	712 (6177)
SacII	1	613 (6177)
SalI	1	734 (6177)
SanDI	1	1499 (6177)
SapI	1	5892 (6177)
SnaBI	1	281 (6177)
XbaI	1	2543 (6177)
XcmI	1	1480 (6177)
XmnI	1	4245 (6177)

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o AleI
5' cctgcccccaactggggtgaggggggagggcgatgggcacccgccaaaaggcctgggggagcagctcacacactggactccggcccgcctgcgccca
o ++++++ 2200
3' ggacgggggtgaccccaactccccctccgctaccctggggcggtttccggaccccgctcgagtggtgacactgaggccgggaggggagcgcgggt
o mouse JunB cDNA

o
5' gtccttccacctcgaggtttacatggccccctccagcgtatgttggatgttttttttctgcaaagagactgaattcatattgaatataatataattg
o ++++++ 2300
3' caggaagggtggagctccaaatgtaccgggggaaggtcgataaaaacatacaaaaaaaaaaagacgtttctctgacttaagataacttatatatataaac
o mouse JunB cDNA

o
5' tgtatttaacagggaggggagaagggggctgtcgggcgagctggccccgcgcttggactcagcctgcggggatactagggaggagcctccgcccc
o ++++++ 2400
3' acataaattgtccctcccctctccccgacagcgcgcctcgaccggggcggaaccatgagtcggacgcccctatgatccctccctggaggcggggg
o mouse JunB cDNA

o
5' tgccctccccctctgcatagtagtggagaagaacacgcactctcgtgtctaaagtctattttaagatgtgtttgtgtgtgtgtttgactttttat
o ++++++ 2500
3' acgggagggggagagctatcatgacacctctctttgtgctggaagcacagatttcagataaaattctacacaacacacacacacaaaactgaaaaata
o mouse JunB cDNA

o NotI EagI XbaI PspOMI ApaI HindIII
5' gaatctatttaagtaAAAAAAAAAAAAAAAAAGggcggccgctctagagatccctcgaggggccaagcttacgcgtaccagcttcttgtacaaagt
o ++++++ 2600
3' cttagataaattcatTTTTTTTTTTTTTTTTTCCcgccggcgagatctcatagggagctccccgggttcgaatgcgcattgggtcgaagaacatgttcac
o mouse JunB cDNA attB2 Gateway clo...ecombination site

polylinker

o BarI
5' gtcctatagtgagtcgtattataagctaggcactggccgctgttttacaacgctgctgactgggaaaactgctagcttgggatctttgtgaaggaacct
o ++++++ 2700
3' caggatatacactcagcataatattcgatccgtgaccgagcaaaatgtgagcactgaccttttgacgatcgaacctagaacactccttgga
o

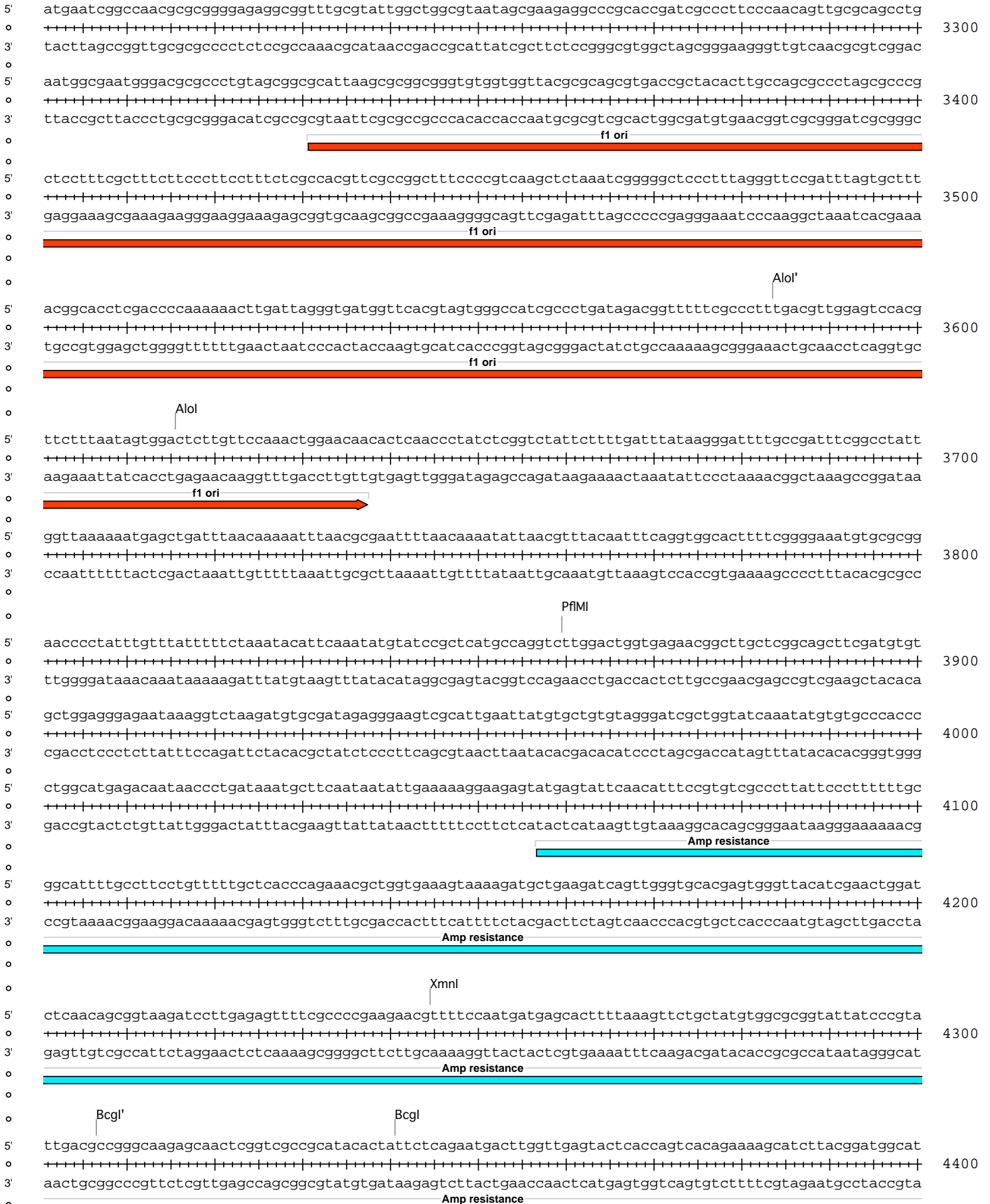
o BarI'
5' acttctgtgtgtgacataattggacaaactacctacagagatttaaagctctaaggtaaatataaaattttaagtgataatgtgtaaactagctgc
o ++++++ 2800
3' tgaagacaccacactgtattaacctgtttgatggatgtctctaaatctcgagattccatttatatttataaaatccacataattacacaaattgatcgag

o
5' atatgcttgcctgagagttttgcttactgagtagtatttatgaaaatattatacacaggagctagtgattctaattgtttgtgatttttagattcac
o ++++++ 2900
3' tatacgaacgacgaactctcaaacgaatgactcatactaaacttttataaatatgtgtcctcgatcactaagattaacaaacacataaaatctaagt

o
5' agtcccaaggctcatttcaggcccctcagtcctcacagctgttcatgatcataatcagccataccacattttagagggttttacttgcttataaaaacc
o ++++++ 3000
3' tcagggttccgagtaaagtccggggagtcaggagtgctcagacaagtagtagtatttagtcggtatggtgtaaacatctccaaatgaacgaaatttttgg
o MfeI HpaI

o
5' tcccacacctccccctgaacctgaaacataaaaatgaatgcaattgttggttgtaacttggtttatgacagcttataatgggttacaataaagcaatagcat
o ++++++ 3100
3' aggggtgagggggacttgactttgtattttacttacgtaacaacaacaattgaacaaataacgctcgaatattaccaatggttatttcggtatccta
o Clal
5' cacaaaatttcacaaataaagcatttttttactgcattctagttgtggtttggccaaactcatcaatgtatcttatcatgtctggatcgatcctgcatta
o ++++++ 3200
3' gtgtttaaagtgtttatttcgtaaaaaaagtgacgtaagatcaacaccaaacaggtttgagtagttacatagaatagtagacagcctagctaggacgtaat

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pCMV-SPORT6 JunB

5' gacagtaagagaattatgacgtgctgccataaccatgagtataaacactgcgccaacttacttctgacaacgatcggaggaccgaaggagctaaccgct
 o ++++++ 4500
 3' ctgtcattctcttaatacgtcacgacggtattggtactcactattgtgacgcggttgaatgaagactgttgctagcctcctggcttctcgattggcga
 o **Amp resistance**

5' ttttgcacaacatgggggatcatgtaactcgccttgatcgttgggaaccggagctgaatgaagccataccaaacgacgagcgtgacaccacgatgcctg
 o ++++++ 4600
 3' aaaaacgtgtgtacccttagtacattgagcggaaactagcaacccttggcctcgacttacttcggtatggtttgcctgctgcactgtggtgctacggac
 o **Amp resistance**

5' tagcaatggcaacaacgttgcgcaactattaactggcgaactacttactctagcttcccggcaacaattaatagactggatggaggcggataaagtgc
 o ++++++ 4700
 3' atcgttaccgttgttgaacgcggttgataattgaccgcttgatgaatgagatcgaagggccgttgtaattatctgacctacctccgctatttcaacg
 o **Amp resistance**

5' aggaccacttctgcgctcggcccttccggctggctggttattgctgataaatctggagccggtgagcgtgggtctcgcggtatcattgcagcactgggg
 o ++++++ 4800
 3' tcctggtgaagacgcgagccggaaggccgaccgaccaaataacgactatttagacctcggccactcgcaccagagcgcacatagtaacgtcgtgacccc
 o **Amp resistance**

5' ccagatggtaagccctcccgtatcgtagttatctacacgacggggagtcaggcaactatggatgaacgaaatagacagatcgctgagataggtgcctcac
 o ++++++ 4900
 3' ggtctaccatcgggagggcatagcatcaatagatgtgctgccctcagtcggttgatcctacttgccttatctgcttagcagactctatcccaggagtg
 o **Amp resistance**

5' tgattaagcattggtaactgtcagaccaagtttactcatatatactttagattgatttaaaacttcatttttaatttaaaggatctaggtgaagatcct
 o ++++++ 5000
 3' actaatcgtaaccttgacagctcgtgttcaaatgagtatataatgaaatctaactaaatttgaagtaaaaataaattttcctagatccacttctagga
 o **Amp resistance**

5' ttttgataatctcatgccataacttcgtataatgtatgctatacgaagttatggcatgacaaaaatcccttaacgtgagtttctgctccactgagcgtca
 o ++++++ 5100
 3' aaaactattagagtacggtattgaagcatattacatacagatgcttcaataccgactggttttagggaatgcaactcaaagcaaggtgactcgcagt
 o **loxP**

5' gaccccgtagaaaagatcaaaggatcttcttgagatccttttttctgcgcgtaactgctgcttgcaaaaaaaaccaccgctaccagcgggtggttt
 o ++++++ 5200
 3' ctggggcatctttctagtttcttagaagaactctaggaaaaaaagacgcgcattagacgacgaacgtttgttttttgggtggcgatggtcgccacaaa

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 o ++++++ 5800
 3' cccgcctcggatacctttttgcggtcgttgccggaataatgccaaggaccggaaaaacgacccggaaaaacgagtgtaacaagaaaggacgcaataggggac

Pcil
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