

pMSCVneo-GFP-miR Cntl BART13

Absent Sites	0	AarI, AbsI, AjuI, AjuI', AlfI, AlfI', ApaI, AsiSI, AvrII, BarI, BarI', BbsI, BclI, BpI, BpI', BsaBI, BsiWI, BstXI, BstZ171, CspCI, CspCI', DraIII, FseI, FspAI, HpaI, MauBI, MfeI, MluI, MreI, NruI, NsiI, PacI, PfiMI, PmeI, PmlI, PshAI, PstI, PspOMI, PspXI, PstI, PstI', SacII, SanDI, SbfI, SfiI, SgrDI, SnaBI, SrfI, SmaI, XhoI
AccI	1	3854
AflIII	1	4943
ArsI	1	1732
ArsI'	1	1700
BamHI	1	3847
BglIII	1	1411
BpI	1	2801
BsaAI	1	3482
BsmI	1	2959
BspEI	1	2947
BstBI	1	2506
BstEII	1	1089
Clal	1	3874
EcoRI	1	2508
HindIII	1	3867
NdeI	1	7007
NotI	1	2158
PciI	1	4943
RsrII	1	3694
Sall	1	3853
Scal	1	6316
SexAI	1	1217
SgrAI	1	7379
StuI	1	2822
XcmI	1	2487

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5' TGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGC AAGGCATGGAAAATACATAACTGAGAATAGAGAAGTTCAGATCAAGG
 100
 3' ACTTCTG GGGTGGACATCCAAACCGTTCGATCGAATTCATTGCGGTA AACCGTTC CGTACCTTTTATGTATTGACTCTTATCTCTTCAAGTCTAGTTCC
 5' pCMV LTR

5' TTAGGAACAGAGAGACAGCAGAATATGGGCCAAACAGGATATCTGTGGTAAGCAGTTCCTGCCCCGGCTCAGGGCCAAGAACAGATGGTCCCCAGATGCG
 200
 3' AATCCTTGTCTCTCTGTCGCTTATACCCGGTTTGTCTTATAGACACCATTTCGTCAAGGACGGGGCCGAGTCCC GGTTCTTGTCTACCAGGGGTCTACGC
 5' pCMV LTR

5' GTCCCGCCCTCAGCAGTTTCTAGAGAACCATCAGATGTTTCCAGGGTGCCCCAAGGACCTGAAATGACCCTGTGCCTTATTTGAACTAACCAATCAGTTC
 300
 3' CAGGGCGGGAGTCGTCAAAGATCTCTTGGTAGTCTACAAAGTCCACGGGGTTCCTGGACTTTACTGGGACACGGAATAAACTTGATTGGTTAGTCAAG
 5' pCMV LTR

5' GCTTCTCGTCTCTGTTCGCGCCTTCTGCTCCCCGAGCTCAATAAAAAGAGCCACAAACCCCTCACTCGGCGCGCAGTCCCTCCGATAGACTGCGTCCCC
 400
 3' CGAAGAGCGAAGACAAGCGCGGAAGACGAGGGGCTCGAGTTAATTTCTCGGGTGTGGGGAGTGAGCCGCGCGGT CAGGAGGCTATCTGACGCAGCGGG
 5' pCMV LTR

5' GGGTACCCGTATTCCCAATAAAGCCTCTTGCTGTTTGCATCCGAATCGTGGACTCGCTGATCCTTGGGAGGGTCTCCTCAGATTGATTGACTGCCACCT
 500
 3' CCCATGGGCATAAGGGTTAATTCGGAGAACGACAAACGTAGGCTTAGCACCTGAGCGACTAGGAACCCCTCCAGAGGAGTCTAACTAACTGACGGGTGGA
 5' pCMV LTR

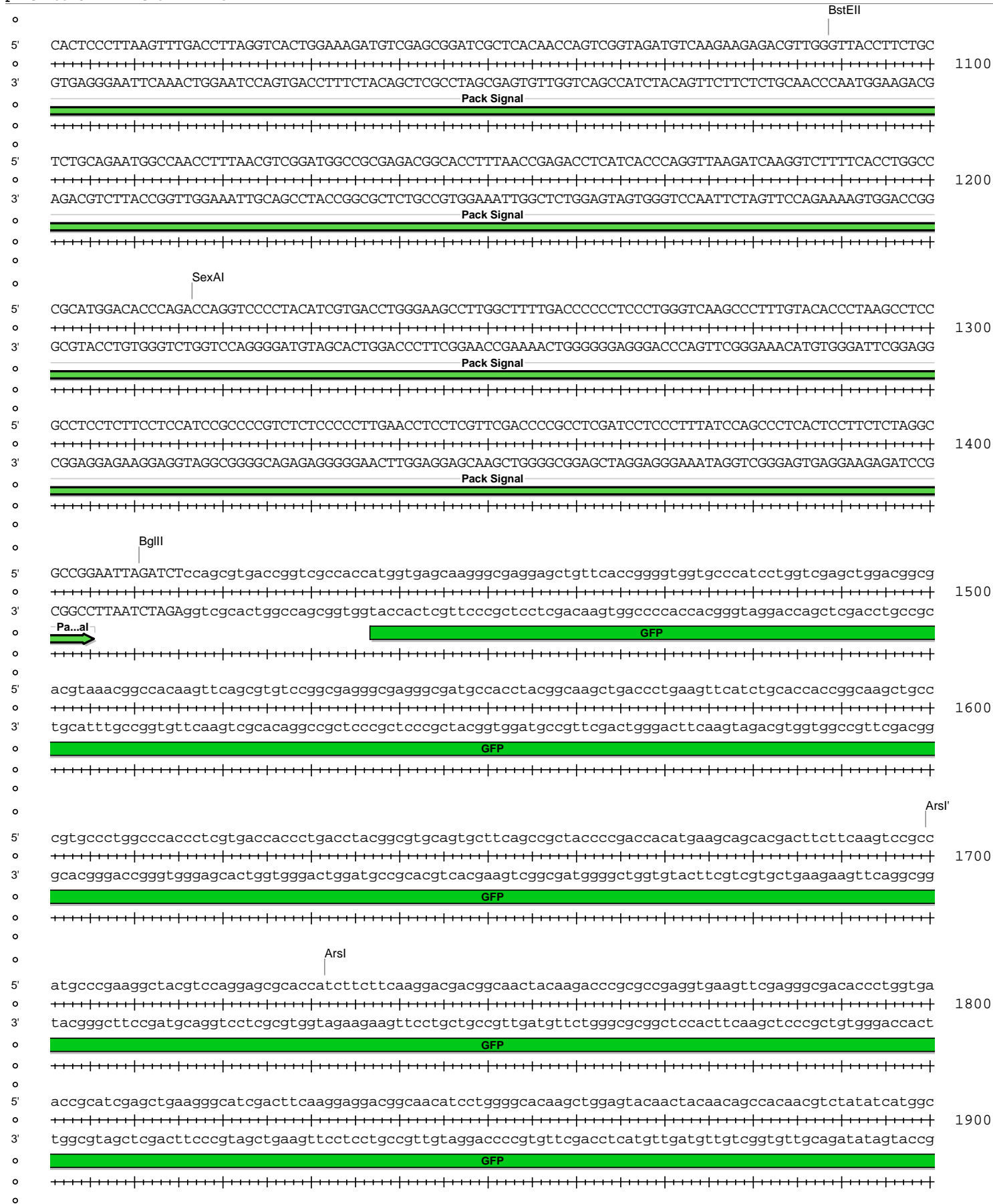
5' CGGGGTCTTTTCAATTTGGAGGTTCCACCGAGATTGGAGACCCCTGCCAGGGACCACCGACCCCCCGCGGGAGGTAAGCTGGCCAGCGGTCTGTTTCG
 600
 3' GCCCCAGAAAGTAAACCTCCAAGGTGGCTCTAAACCTCTGGGGACGGGTCCCTGGTGGCTGGGGGGCGGCCCTCCATTTCGACCGGTCCGCAGCAAAGC
 5' pCMV LTR Pack Signal

5' TGTCTGTCTCTGTCTTTGTGCGTGTTTGTGCCGCATCTAATGTTTGC GCCTGCGTCTGTACTAGTTAGCTAACTAGCTCTGTATCTGGCGGACCCGTGG
 700
 3' ACAGACAGAGACAGAAACACGCACAAACACGGCCGTAGATTACAAACCGGACGCAGACATGATCAATCGATTGATCGAGACATAGACCGCTGGGCACC
 Pack Signal

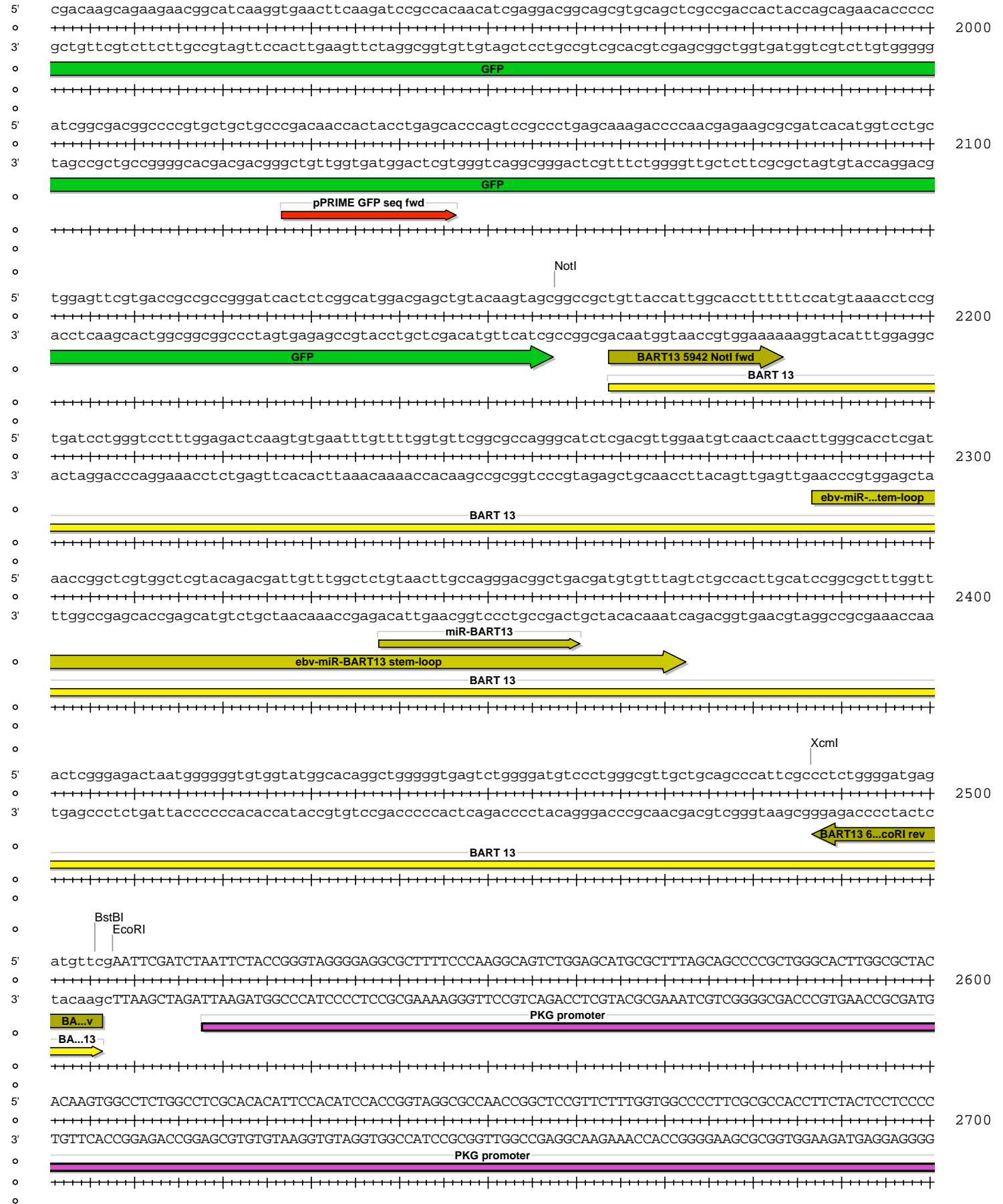
5' TGGAATGACGAGTTCGAAACCCCGCCGCAACCTGGGAGACGTCCCAGGGACTTTGGGGCCGTTTGTGGCCCGACCTGAGGAAGGGAGTCGATG
 800
 3' ACCTTGACTGCTCAAGACTTGTGGGCCGGCGTTGGGACCCTCTGCAGGGTCCCTGAAACCCCGGCAAAAACACCGGGCTGGACTCCTTCCTCAGCTAC
 Pack Signal

5' TGGAATCCGACCCCGTCAGGATATGTGGTCTGGTAGGAGACGAGAACC TAAAACAGTTC CCGCCTCCGTCTGAATTTTGTCTTTCGGTTTGAACCGAA
 900
 3' ACCTTAGGCTGGGGCAGTCTATACACCAAGACCATCCTCTGCTCTTGGATTTTGTCAAGGGCGGAGGCAGACTTAAAAACGAAAGCCAAACCTTGCTT
 Pack Signal

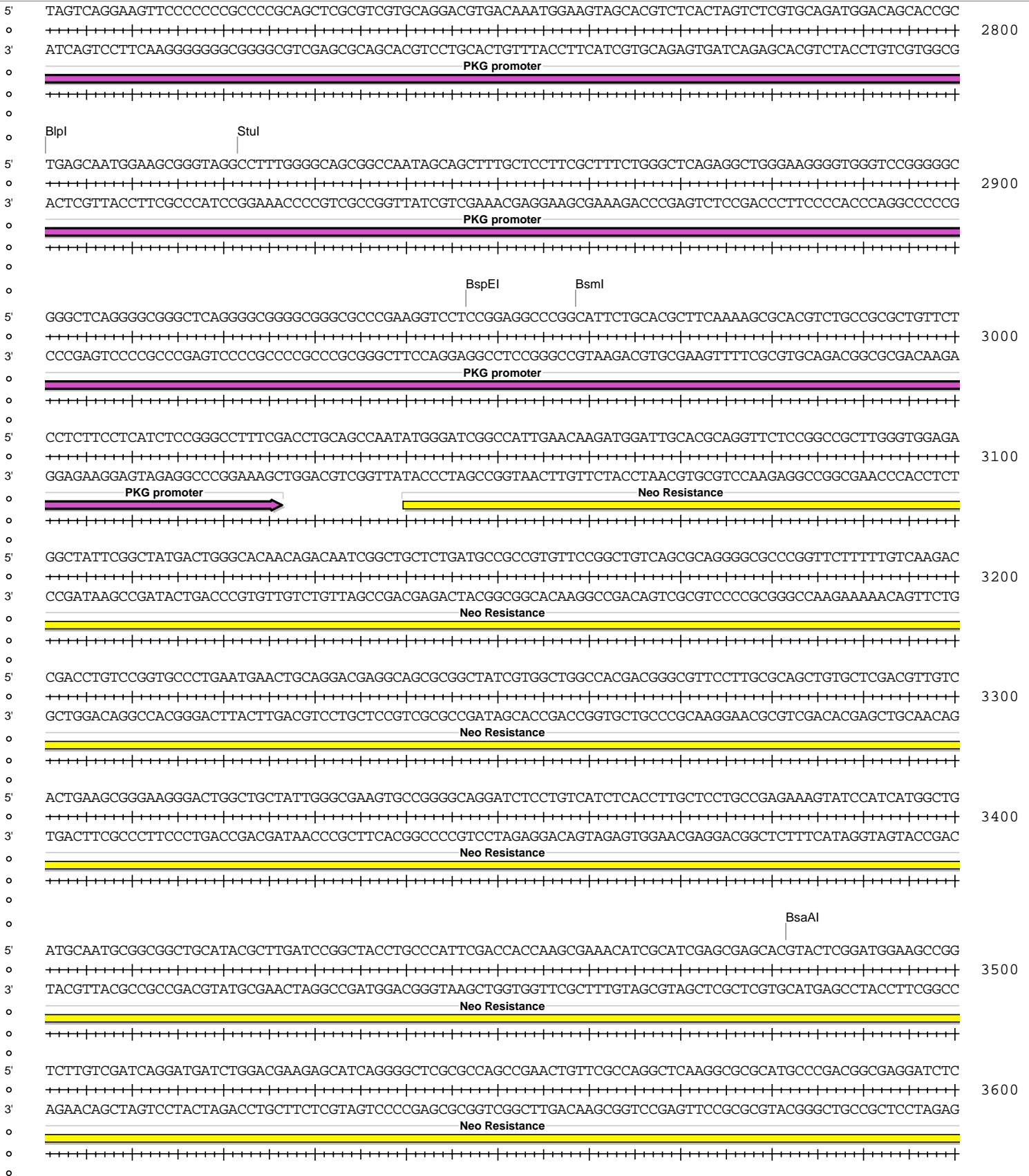
5' GCCGCGCTCTGTCTGCTGCAGCGCTGCAGCATCGTTCGTGTTGTCTCTGTCTGACTGTGTTTCTGTATTTGTCTGAAAATTAGGGCCAGACTGTTAC
 1000
 3' CGGCGCGCAGAACAGACGACGTCGCGACGTCGTAGCAAGACACAACAGAGACAGACTGACACAAAGACATAAACAGACTTTTAATCCCGGCTCTGACAATG
 Pack Signal

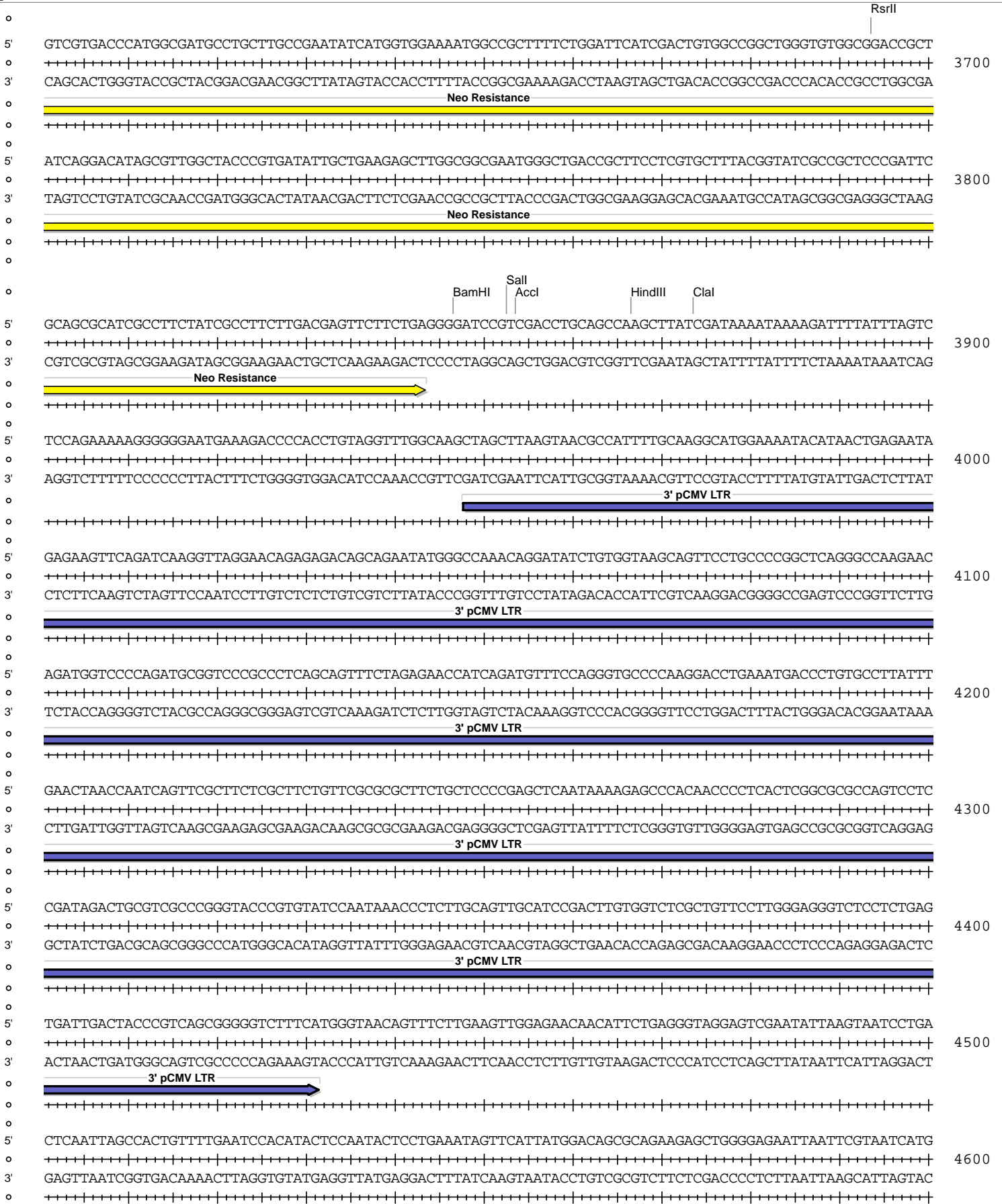


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5' GTCATAGCTGTTTCCCTGTGTGAAATTGTTATCCGCTCACAAATCCACACAACATACGAGCCGGAAGCATAAAGTGTAAGCCTGGGGTGCCTAATGAGTG
 4700
 3' CAGTATCGACAAAGGACACACTTTAACAAATAGGCGAGTGTAAAGGTGTGTGTATGCTCGGCCTTCGTATTTACATTTTCGGACCCACGGATTACTCAC
 5' AGCTAACTCACATTAATTGCGTTGCGCTCACTGCCGCTTTCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGAG
 4800
 3' TCGATTGAGTGAATTAACGCAACGCGAGTGACGGGCGAAAGGTCAGCCCTTTGGACAGCACGGTCGACGTAATTACTTAGCCGGTTGCGCGCCCTCTC
 5' GCGGTTTGCCTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCTCGGTCGTTCCGGCTCGGGCGAGCGGTATCAGCTCACTCAAAGGCGGT
 4900
 3' CGCCAAACGCATAACC CGCGAGAAGGCGAAGGAGCGAGTGACTGAGCGACGCGAGCCAGCAAGCCGACGCCGCTCGCCATAGTCGAGTGAGTTCCGCCA
 PciI
 AflIII
 5' AATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAGGCCAGCAAAGCCAGGAACCGTAAAAGGCCGCGTTGCTGGCG
 5000
 3' TTATGCCAATAGGTGTCTTAGTCCCCTATTGCGTCCCTTCTTGTACTCGTTCCTCCGGTTCGTTTCCGGTCCCTGGCATTTTCCGGCGCAACGACCCG
 5' TTTTTCATAGGCTCCGCCCCCTGACGAGCATCAGAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTC
 5100
 3' AAAAAGGTATCCGAGGCGGGGGACTGCTCGTAGTGTTTTAGCTGCGAGTTCAGTCTCCACCGCTTTGGGCTGTCTGATATTTCTATGGTCCGCAAAG
 5' CCCCTGGAAGCTCCCTCGTGGCTCTCTGTCCGACCTGCCGCTTACCGGATACCTGTCCGCTTCTCCCTTCGGGAAGCGTGGCGCTTTCTCATAG
 5200
 3' GGGGACCTTCGAGGGAGCACGCGAGAGGACAAGGCTGGGACGGCGAATGGCTATGGACAGCGGAAAGAGGGAAGCCCTTCGCACCCGAAAGAGTATC
 5' CTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTGCTTCCGCTCCAAGCTGGGCTGTGTGCACGAACCCCGTTAGCCCGACCGCTGCGCCTTATCCGGT
 5300
 3' GAGTGCACATCCATAGAGTCAAGCCACATCCAGCAAGCGAGGTTCCGACCCGACACACGTGCTTGGGGGCAAGTCCGGCTGGCGACGCGGAATAGGCCA
 5' AACTATCGTCTTGAGTCCAACCCGGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTA
 5400
 3' TTGATAGCAGAACTCAGGTTGGGCCATCTGTGTCTGAATAGCGGTGACCGTCTGCTCGGTGACCATGTCTAATCGTCTCGCTCCATACATCCGCCAGAT
 5' CAGAGTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAGAGAGTTGG
 5500
 3' GTCTCAAGAACTTACCACCCGGATTGATGCCGATGTGATCTTCCGTGCATAAACCATAGACGCGAGACGACTTCGGTCAATGGAAGCCTTTTCTCAACC
 5' TAGCTCTTGATCCGGCAAACAAACCACCGCTGGTAGCGGTGGTFTTTTGTGTTGCAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCT
 5600
 3' ATCGAGAACTAGGCCGTTTGTGTTGGTGGCGACCATCGCCACCAAAAAACAAACGTTTCGTCGCTAATGCGCGTCTTTTCTCCTAGAGTCTTCTAGGA
 5' TTGATCTTTTCTACGGGCTGACGCTCAGTGGAACGAAAACCTCACGTTAAGGGATTTGGTCATGAGATTATCAAAAAGGATCTTACCTAGATCCTTT
 5700
 3' AACTAGAAAAGATGCCCGAGACTGCGAGTCACCTTGCTTTTGTGAGTGAATTCCTAAAACAGTACTTAATAGTTTTTCTAGAAAGTGGATCTAGGAAA
 5' TAAATTAATAATGAAGTTTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGAT
 5800
 3' ATTTAATTTTACTTCAAATTTAGTTAGATTTTCAATATACTCAATTTGAACCAGACTGTCAATGGTTACGAATTAGTCACTCCGTGGATAGAGTCGCTA
 Amp res

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5' CTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGTGCAATGATACCG
 5900
 3' GACAGATAAAGCAAGTAGGTATCAACGGACTGAGGGGCAGCACATCTATTGATGCTATGCCCTCCCGAATGGTAGACCGGGGTACGACGTTACTATGGC
 Amp res

5' CGAGACCCACGCTCACCGGCTCCAGATTTATCAGCAATAAACAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCCTCCATCC
 6000
 3' GCTCTGGGTGCGAGTGGCCGAGGTCTAAATAGTCGTTATTTGGTCGGTCCGCCCTCCCGGCTCGCGTCTTCACCAGGACGTTGAAATAGCCGAGGTAGG
 Amp res

5' AGTCTATTAATTTGTTGCCGGGAAGCTAGAGTAAGTAGTTCCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGCTACAGGCATCGTGGTGTACGCTC
 6100
 3' TCAGATAATTAACAACGGCCCTTCGATCTCATTTCATCAAGCGGTCAATTATCAAACCGGTTGCAACAACGGTAACGATGTCCGTAGCACACAGTGGCAG
 Amp res

5' GTCGTTTGGTATGGCTTCATTTCAGCTCCGGTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAAGCGGTTAGTCTCTTCGGTCTCT
 6200
 3' CAGCAAACCATAACCGAAGTAAGTCGAGGCCAAGGGTGTAGTTCCGCTCAATGTACTAGGGGTACAACACGTTTTTTTCGCCAATCGAGGAAGCCAGGA
 Amp res

5' CCGATCGTTGTCAGAAGTAAGTTGGCCGAGTGTATCACTCATGGTTATGGCAGCACTGCATAATTCTTTACTGTTCATGCCATCCGTAAGATGCTTTT
 6300
 3' GGCTAGCAACAGTCTTCATTCAACCGGCGTCACAATAGTGAGTACCAATACCGTCTGACGATTAAAGAGAATGACAGTACGGTAGGCATTCTACGAAAA
 Amp res

Scal

5' CTGTGACTGGTGGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTCAATACGGGATAATACCGGCCACA
 6400
 3' GACACTGACCACTCATGAGTTGGTTCAGTAAGACTCTTATCACATACGCCCTGGCTCAACGAGAACGGGCCGAGTTATGCCCTATTATGGCGCGGTGT
 Amp res

5' TAGCAGAACTTTAAAAGTGTCTATCATTGGAAAACGTTCTTCGGGGCGAAAACCTCTCAAGGATCTTACCGCTGTGAGATCCAGTTCGATGTAACCCACT
 6500
 3' ATCGTCTTGAAATTTTACGAGTAGTAACCTTTTGCAAGAAGCCCGCTTTTGAGAGTTCCTAGAAATGGCGACAACCTCTAGGTCAAGCTACATTGGGTGA
 Amp res

5' CGTGCACCCAACTGATCTTCAGCATCTTTACTTTTACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAAGGGCGA
 6600
 3' GCACGTGGGTGACTAGAAAGTCGTAGAAAATGAAAGTGGTCGCAAAAGACCCACTCGTTTTTGTCTTCCGTTTTTACGGCGTTTTTCCCTTATTCCCGCT
 Amp res

5' CACGGAAATGTTGAATACTCATACTCTTCCTTTTCAATATTATGAAGCATTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTA
 6700
 3' GTGCCTTTACAACCTTATGAGTATGAGAAGGAAAAGTTATAATAACTTCGTAAATAGTCCCAATAACAGAGTACTCGCCTATGTATAAACTTACATAAAT
 Amp res

5' GAAAAATAACAAATAGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGACGCTAAGAAACCATTATTATCATGACATTAACCTATAAAAAATAGG
 6800
 3' CTTTTTATTTGTTTATCCCAAGGCGCTGTAAAGGGCTTTTACGGTGGACTGCAGATTTCTTTGGTAATAATAGTACTGTAATTGGATAATTTTTATCC
 Amp res

5' CGTATCACGAGGCCCTTTTCGTCCTCGCGGTTTCGGTGATGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGG
 6900
 3' GCATAGTGCTCCGGGAAAGCAGAGCGCGCAAGCCACTACTGCCACTTTTGGAGACTGTGTACGTGCGAGGGCTCTGCCAGTGTGCAACAGACATTCCGC
 Amp res

