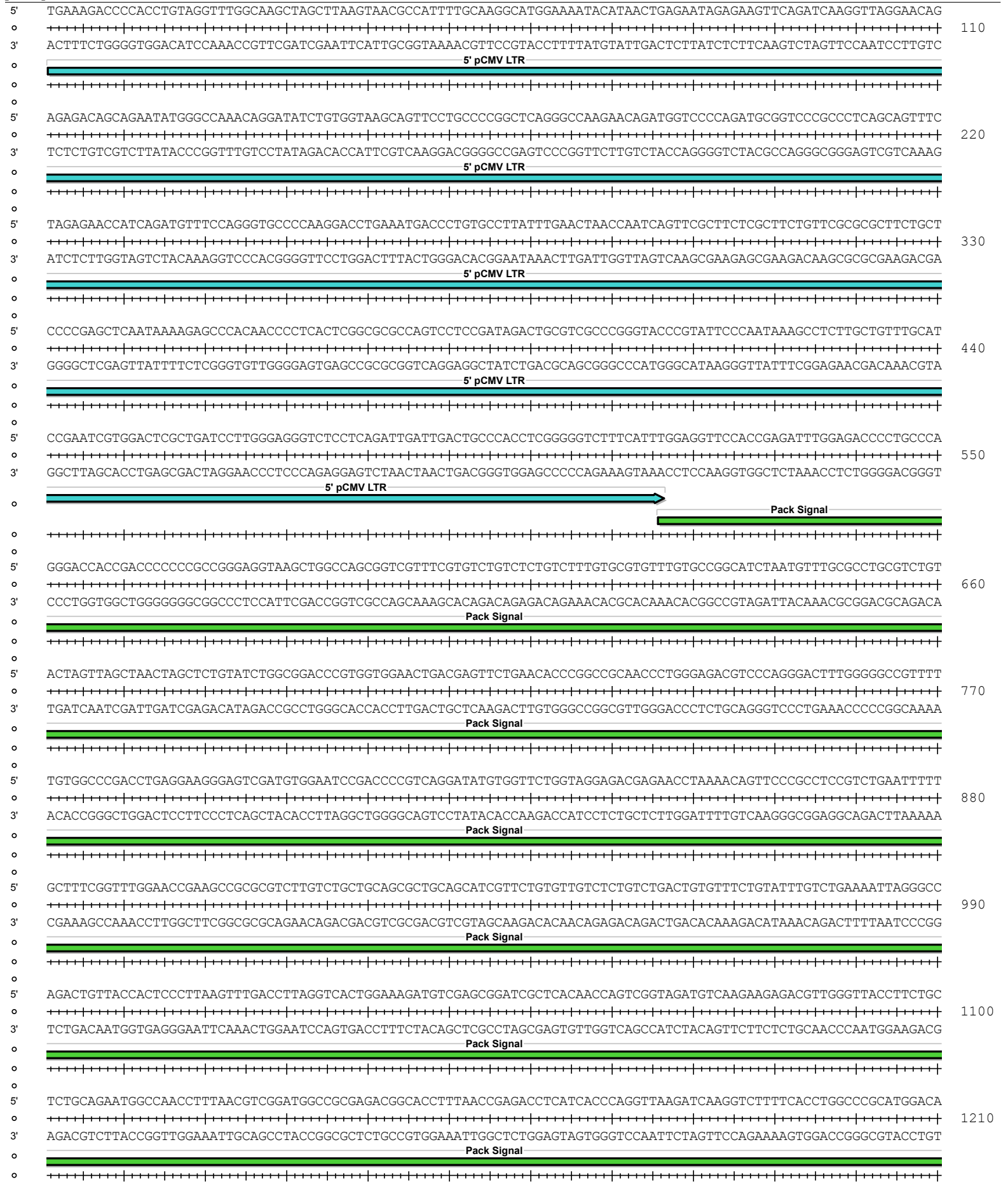
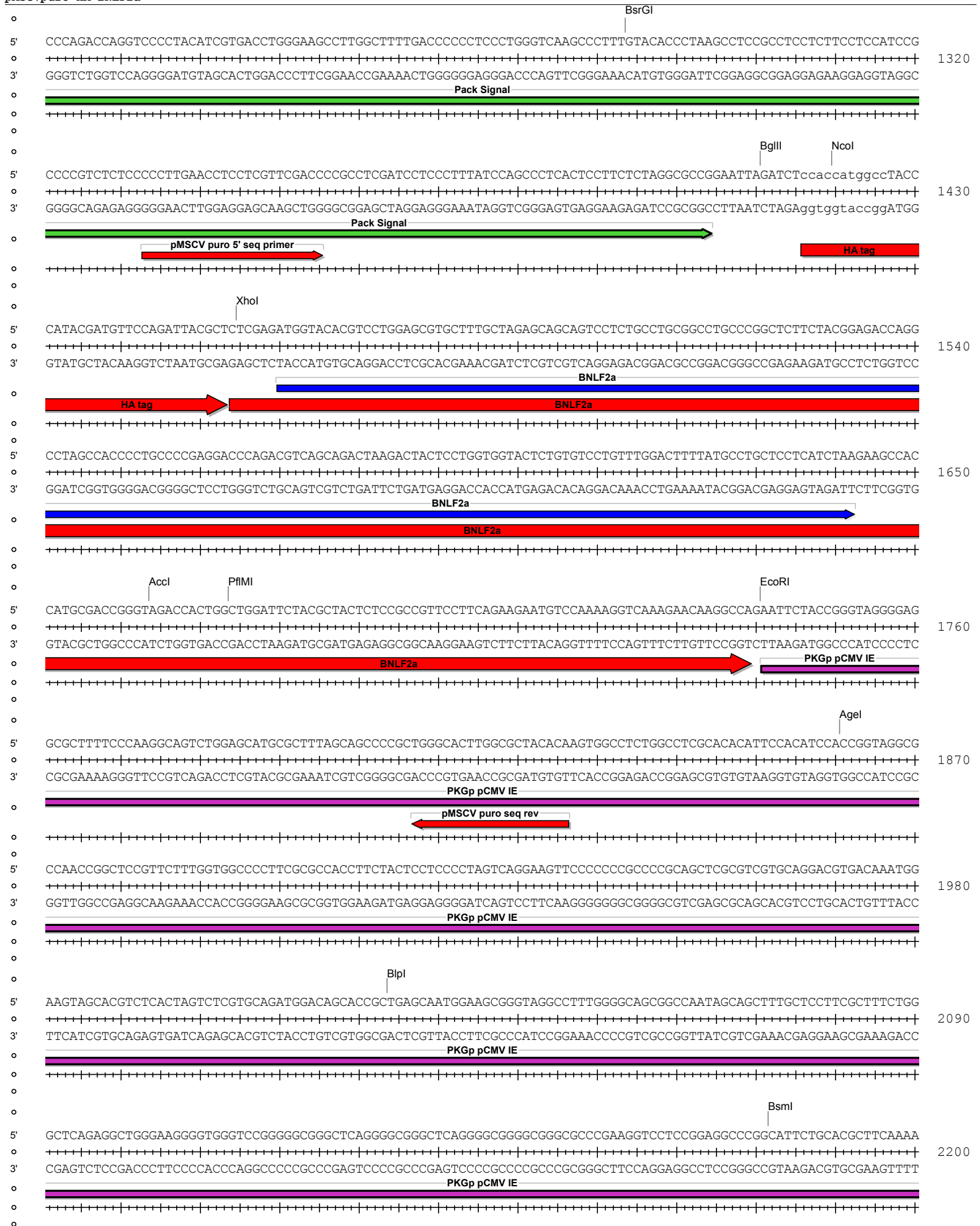
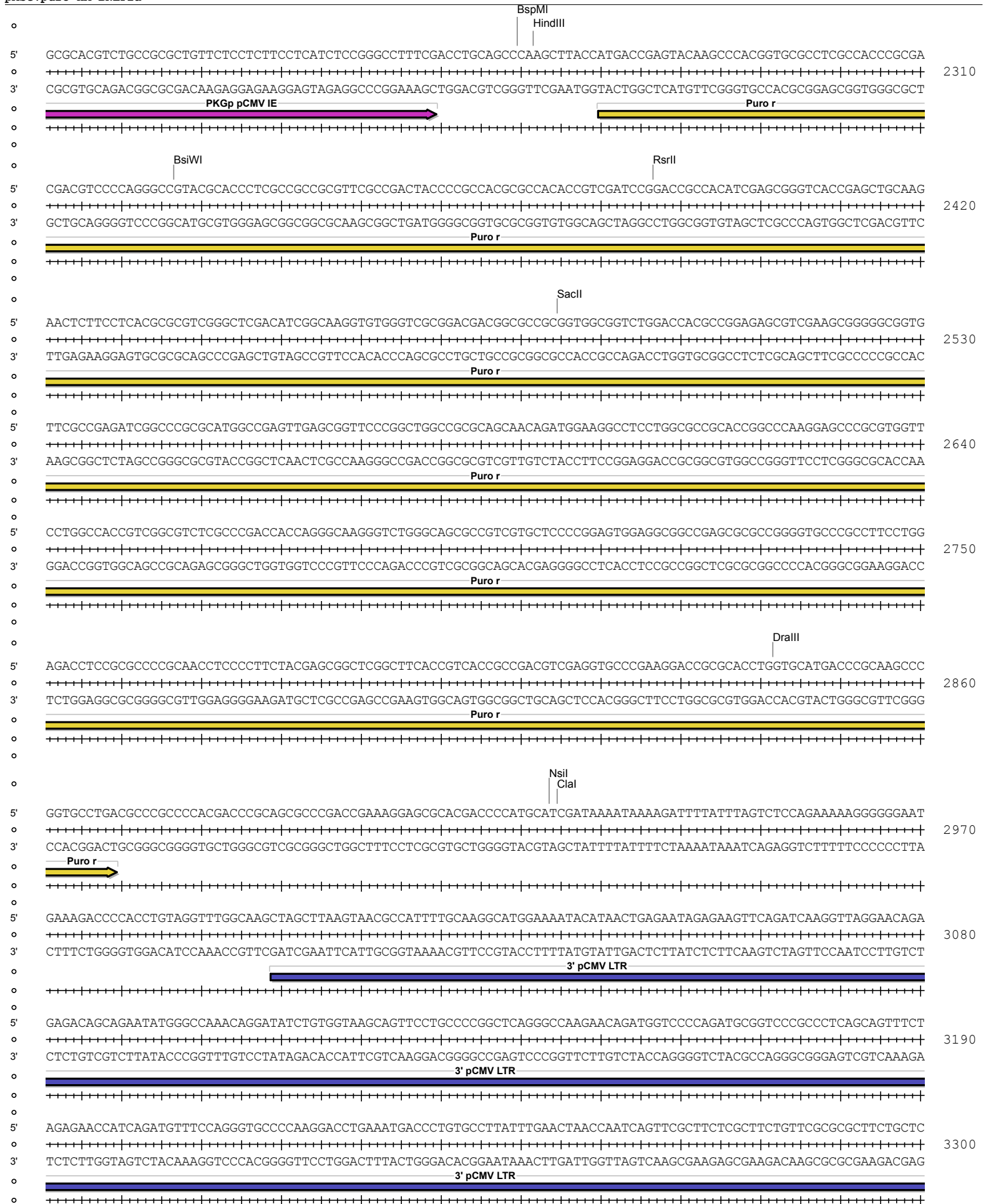


Absent Sites	0	AarI, AbsI, AjuI, AjuI', AleI, ApaI, Arsi, Arsi', AsiSI, AvrII, BamHI, BarI, BarI', BbsI, BclI, BpII, BpII', BsaAI, BsaBI, BstBI, BstXI, BstZ17I, BtgZI, CspCI, CspCI', Fall, Fall', FseI, FspAI, HincII, HpaI, MauBI, MfeI, MluI, MreI, NotI, NruI, PacI, PmeI, PmlI, PshAI, PstI, PspOMI, PspXI, PstI, PstI', Sall, SanDI, SbfI, SfiI, SgrDI, SnaBI, SrfI, SwaI, XcmI
AccI	1	1664
AgeI	1	1861
BglII	1	1411
BipI	1	2024
BsiWI	1	2327
BsmI	1	2182
BspMI	1	2260
BsrGI	1	1284
Clal	1	2925
Drall	1	2842
EcoRI	1	1741
HindIII	1	2262
NcoI	1	1420
NdeI	1	6058
NsiI	1	2924
PciI	1	3994
PfiMI	1	1674
RsrII	1	2387
SacII	1	2485
Scal	1	5367
SgrAI	1	6430
XhoI	1	1455



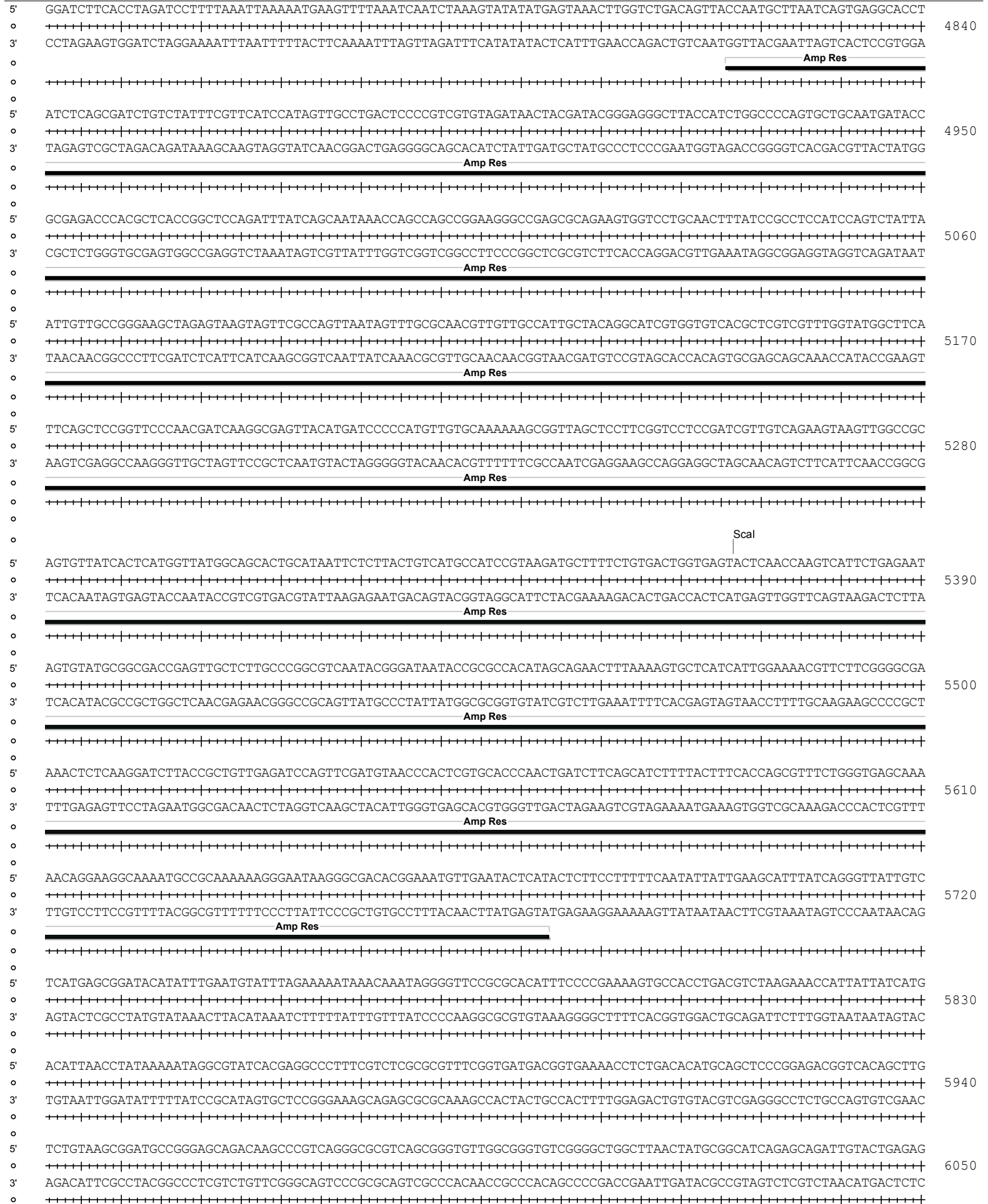




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5' CCGAGCTCAATAAAAGAGCCCAACCCCTCACTCGGCGCGCCAGTCTCCGATAGACTGCGTFCGCCGGGTACCCGTGTATCCAATAAACCTCTTGAGTTGCATCC
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' GGGCTCGAGTTATTTCTCGGGTGTGGGAGTGAGCCGCGCGGTGAGGAGGCTACTGACGCAGCGGGCCCATGGGCACATAGGTTATTTGGGAGAACGTCAACGTAGG
                                     3' pCMV LTR
-----
5' GACTTGTGGTCTCGCTGTTCCTTGGGAGGGTCTCCTCTGAGTGATTGACTACCCGTCAGCGGGGGTCTTTTCATGGGTAAACAGTTTCTTGAAGTTGGAGAACAACATTCTG
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' CTGAACACCAGAGCGACAAGGAACCCTCCCAGAGGAGACTCACTAACTGATGGGCAGTCGCCCCAGAAAGTACCCATTGTCAAGAAGTTCAACCTCTTGTGTGAAGAC
                                     3' pCMV LTR
-----
5' AGGAGTAGGAGTCAATATAAGTAATCCTGACTCAATTAGCCACTGTTTTGAATCCACATACTCCAATACTCCTGAAATAGTTTCAATTATGGACAGCGCAGAAGAGCTGGG
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' TCCCATCCTCAGCTTATAATTCATTAGGACTGAGTTAATCGGTGACAAAACCTTAGGTGTATGAGGTTATGAGGACTTATCAAGTAATACCTGTCGCGTCTTCTCGACCC
-----
5' GAGAATTAATTCGTAATCATGGTCATAGCTGTTTCCTGTGTGAATTTGTTATCCGCTCACAATTCACACAACATACGAGCCGAAGCATAAAGTGTAAGCCTGGGGTG
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' CTCTTAATTAAGCATTAGTACCAGTATCGACAAAGGACACACTTAAACAATAGGCGAGTGTAAAGGTGTGTTGTATGCTCGGCCTTCGTATTTTCAATTTCGGACCCAC
-----
5' CCTAATGAGTGAGCTAATCACAATTAATGCGTTGCGCTCACTGCCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGGGGAGA
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' GGATTACTCACTCGATTGAGTGAATTAACGCAACGCGAGTGACGGGCGAAAGGTGAGCCCTTTGGACAGCACGGTCGACGTAACTACTAGCCGGTTGCGCGCCCTCT
-----
5' GCGGGTTTGGCTATTGGCGCTCTCCGCTTCCGCTCACTGACTCGCTGCGCTCGGTTCGGCTGCGCGAGCGGTATCAGCTCAAAAGCGGTAATACGGTT
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' CCGCCAAACGCATAACCCGCGAGAAGGCGAAGGAGCGAGTGACTGAGCGACGCGAGCCAGCAAGCCGACGCGCTCGCCATAGTCGAGTGAAGTTCGCCATTATGCCAA
-----
                    PciI
                    |
5' ATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAGGCCAGCAAAGGCCAGGAACCGTAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCC
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' TAGGTGCTTAGTCCCTATTGCGTCTTTCTTGTACACTCGTTTTCCGGTCTGTTCGGTCTCTGGCATTTCGCGCGCAACGACCGCAAAAAGGTATCCGAGGCGG
-----
5' CCCCTGACGAGCATCACAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTTCCCTGGAAGCTCCCTCGTGCGCTCTCCT
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' GGGACTGCTCGTAGTGTTTTTAGCTGCGAGTTCAGTCTCCACCGCTTTGGGCTGTCTGATATTTCTATGGTCCGCAAAGGGGACCTTCGAGGGAGCACCGGAGAGGA
-----
5' GTTCCGACCCGCGCTTACCGGATACCTGTCCGCTTTCTCCCTTCGGGAAGCGTGGCGCTTTCTCAGACTCAGCGTGTAGGTATCTCAGTTCGGTGTAGGTGTAGGTGCG
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' CAAGGCTGGGACGCGAATTGGCCTATGGACAGCGGAAAGAGGAAGCCCTTGCACCGCAGAAAGATATCGAGTGCACATCATTAGAGTCAAGCCACATCCAGCAAGC
-----
5' CTCCAAGCTGGGCTGTGTGACGAAACCCCGTTTCAGCCGACCGCTGCGCTTATCCGGTAACTATCGTCTTGAAGTCCAACCCGGTAAGACAGACTTATCGCCACTGG
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' GAGGTTGACCCGACACAGTGCTTGGGGGCAAGTCGGGCTGGCGACGCGGAATAGCCATTGATAGCAGAAGTCAAGGTTGGCCATTCTGTGCTGAATAGCGGTGACC
-----
5' CAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGCGGTGCTACAGACTTCTTGAAGTGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATC
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' GTCGTGCGGTGACCATTGTCTTAATCGTCTCGTCCATACATCCGCCACGATGTCTCAAGAAGTTCACCAACCGGATTGATGCCGATGTGATCTTCTGTGTCATAAACCATAG
-----
5' TGCCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGTCTTTCGATCCGGCAAACAAACCACCGCTGGTAGCGGTGGTTTTTTTTGTTTGAAGCAGCAGATTAC
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' ACGCGAGACGACTTCGGTCAATGGAAGCCTTTTCTCAACCATCGAGAAGTGGCCTTTGTTTGGTGGCGACCATCGCCACCAAAAAACAACGTTTCGTGCTTAATG
-----
5' GCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTCTACGGGTCTGACGCTCAGTGAACGAAAACACGTTAAGGATTGTTGGTCATGAGATTATCAAAAA
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3' CGCGTCTTTTTTCTAGAGTCTCTTAGGAAACTAGAAAAGATGCCCAGACTGCGAGTACCTTGCTTTGAGTGCAATTCCTAAAACAGTACTCTAATAGTTTTT

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pMSCVpuro HA BNLF2a

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  | NdeI
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5' TGCACCATATGCGGTGTGAAATACCGCACAGATGCGTAAGGAGAAAATACCGCATCAGGCGCCATTCGCCATTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGG
o
o ++++++
o ACGTGGTATACGCCACACTTTATGGCGTGTCTACGCATTCCTCTTTTATGGCGTAGTCCGCGGTAAGCGGTAAGTCCGACGCGTTGACAACCCTTCCCGCTAGCCACGCC
o
o ++++++
o
5' GCCTCTTCGCTATTACGCCAGCTGGCGAAAGGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAAAGCCAGGGTTTTCCAGTACAGACGTTGTAACGACGGCGCAAGG
o
o ++++++
o 3' CGGAGAAGCGATAATGCGGTGACCGCTTTCCCCCTACACGACGTTCCGCTAATTCAACCCATTGCGGTCCCAAAGGGTCAGTGTGCAACATTTGCTGCCGCGTTCC
o
o ++++++
o
o
5' AATGGTGCATGCAAGGAGATGGCGCCCAACAGTCCCCCGGCCACGGGGCTGCCACCATACCCAGCCGAAACAAGCGCTCATGAGCCGAAGTGGCGAGCCCGATCTTC
o
o ++++++
o 3' TTACCACGTACGTTCTCTACCGCGGGTTGTCAGGGGGCCGGTGCCCCGGACGGTGGTATGGGTGCGGCTTTGTTCGCGAGTACTCGGCTTCACCGCTCGGGCTAGAAG
o
o ++++++
o
o
  |
  | SgrAI
  |
5' CCCATCGGTGATGTCGGCGATATAGGGCCAGCAACCGCACCTGTGGCGCCGGTGATGCCGGCCACGATGCGTCCGGCGTAGAGGGGATAGTCCAATTTGTTAAAGACA
o
o ++++++
o 3' GGGTAGCCACTACAGCCGCTATATCCGCGGTGTTGGCGTGGACACCGCGCCACTACGGCCGGTGCTACGCAGGCGGCATCTCCGCTAATCAGGTTAAACAATTTCTGT
o
o ++++++
o
o
5' GGATATCAGTGGTCCAGGCTCTAGTTTGGACTCAACAATATACCAGCTGAAGCCTATAGAGTACGAGCCATAGATAAAAATAAAGATTTTATTTAGTCTCCAGAAAAG
o
o ++++++
o 3' CCTATAGTACCAGGTCGAGATCAAACTGAGTTGTTATAGTGGTCGACTTCGGATATCTCATGCTCGGTATCTATTTTATTTTCTAAAATAAATCAGAGGTCTTTTTC
o
o ++++++
o
o
5' GGGGGAA
o
o ++++++
o 3' CCCCCTT
o
o ++++++
o
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