

pMSCV-Hyg-GFP miR-146a

Absent Sites	0	AarI, AbsI, Accl, Alfl, Alfl', Apal, AvrII, BamHI, BarI, BarI', BclI, BsaAI, BsiWI, BstBI, BstZ17I, CspCI, CspCI', FseI, FspAI, HpaI, MauBI, MfeI, MluI, MreI, NruI, PacI, PflMI, PmeI, PmlI, PspOMI, PstI, PstI', Sall, SanDI, SbfI, SfiI, SgrDI, SnaBI, SrfI, SwaI, XcmI
AflIII	1	5271
AjuI	1	3883
AjuI'	1	3851
AsiSI	1	3534
BbsI	1	2497
BglII	1	1411
BsaBI	1	2336
BsmI	1	3075
BstEII	1	1089
BstXI	1	3160
Clal	1	4202
HincII	1	4006
HindIII	1	3155
NotI	1	2158
NsiI	1	4201
PciI	1	5271
PshAI	1	3197
PsiI	1	2192
PspXI	1	2617
RsrII	1	3578
SacII	1	3950
SgrAI	1	7707
XhoI	1	2617

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5' TGAAAGACCCACCTGTAGGTTTGGCAAGCTAGCTTAAGTAACGCCATTTTGAAGGCATGGAAAATACATAACTGAGAATAGAGAAGTTCAGATCAAGG
 100
 3' ACTTCTGTTGGGTGGACATCCAAACCGTTCGATCGAATTCATTGCGGTAACAGTTCCTGACCTTTTATGTATTGACTCTTATCTCTCAAGTCTAGTTCC
 5' pCMV LTR

5' TTAGGAACAGAGACAGCAGAATATGGGCCAAACAGGATATCTGTGGTAAGCAGTTCCTGCCCCGGCTCAGGGCCAAGAACAGATGGTCCCCAGATGCG
 200
 3' AATCCTTGTCTCTCTGTGCTTATACCCGGTTTGTCTTATAGACACCATTTCGTCAAGGACGGGGCCGAGTCCCGGTTCTTGTCTACCAGGGGTCTACGC
 5' pCMV LTR

5' GTCCCGCCCTCAGCAGTTTCTAGAGAACCATCAGATGTTTCCAGGGTGCCCCAAGGACCTGAAATGACCCTGTGCCTTATTTGAACTAACCAATCAGTTC
 300
 3' CAGGGCCGGGAGTTCGTCAAAGATCTCTTGGTAGTCTACAAAGTCCACGGGGTTCCTGGACTTTACTGGGACACGGAATAAACTTGATTGGTTAGTCAAG
 5' pCMV LTR

5' GCTTCTCGTCTCTGTTCGCGCCTTCTGCTCCCCGAGCTCAATAAAAAGAGCCACAAACCCCTCACTCGGCGCGCAGTCTCCGATAGACTGCGTCCCC
 400
 3' CGAAGAGCGAAGACAAGCGCGGAAGACGAGGGGCTCGAGTTAATTTCTCGGGTGTGGGGAGTGAGCCGCGCGGTGAGGAGGCTATCTGACGCAGCGGG
 5' pCMV LTR

5' GGGTACCCGTATTCCCAATAAAGCCTCTTGCTGTTTGCATCCGAATCGTGGACTCGCTGATCCTTGGGAGGGTCTCCTCAGATTGATTGACTGCCACCT
 500
 3' CCCATGGGCATAAGGGTTAATTTGCGGAGAACGACAAACGTAGGCTTAGCACCTGAGCGACTAGGAACCCCTCCAGAGGAGTCTAACTAACTGACGGGTGGA
 5' pCMV LTR

5' CGGGGTCTTTTCAATTTGGAGGTTCCACCGAGATTGGAGACCCCTGCCAGGGACCACCGACCCCCCGCGGGAGGTAAGCTGGCCAGCGGTCTGTTTCG
 600
 3' GCCCCAGAAAGTAAACCTCCAAGGTGGCTCTAAACCTCTGGGGACGGGTCCCTGTTGGCTGGGGGGCGGCCCTCCATTCGACCGGTGCGCAGCAAAGC
 5' pCMV LTR

Pack Signal

5' TGTCTGTCTCTGTCTTGTGCGTGTGTGTGCCGGCATCTAATGTTTGGCCCTGCGTCTGTACTAGTTAGCTAACTAGCTCTGTATCTGGCGGACCCGTGG
 700
 3' ACAGACAGAGACAGAAACACGCACAAACACGGCCGTAGATTACAAACCGCGACGCAGACATGATCAATCGATTGATCGAGACATAGACCGCTGGGCACC
 Pack Signal

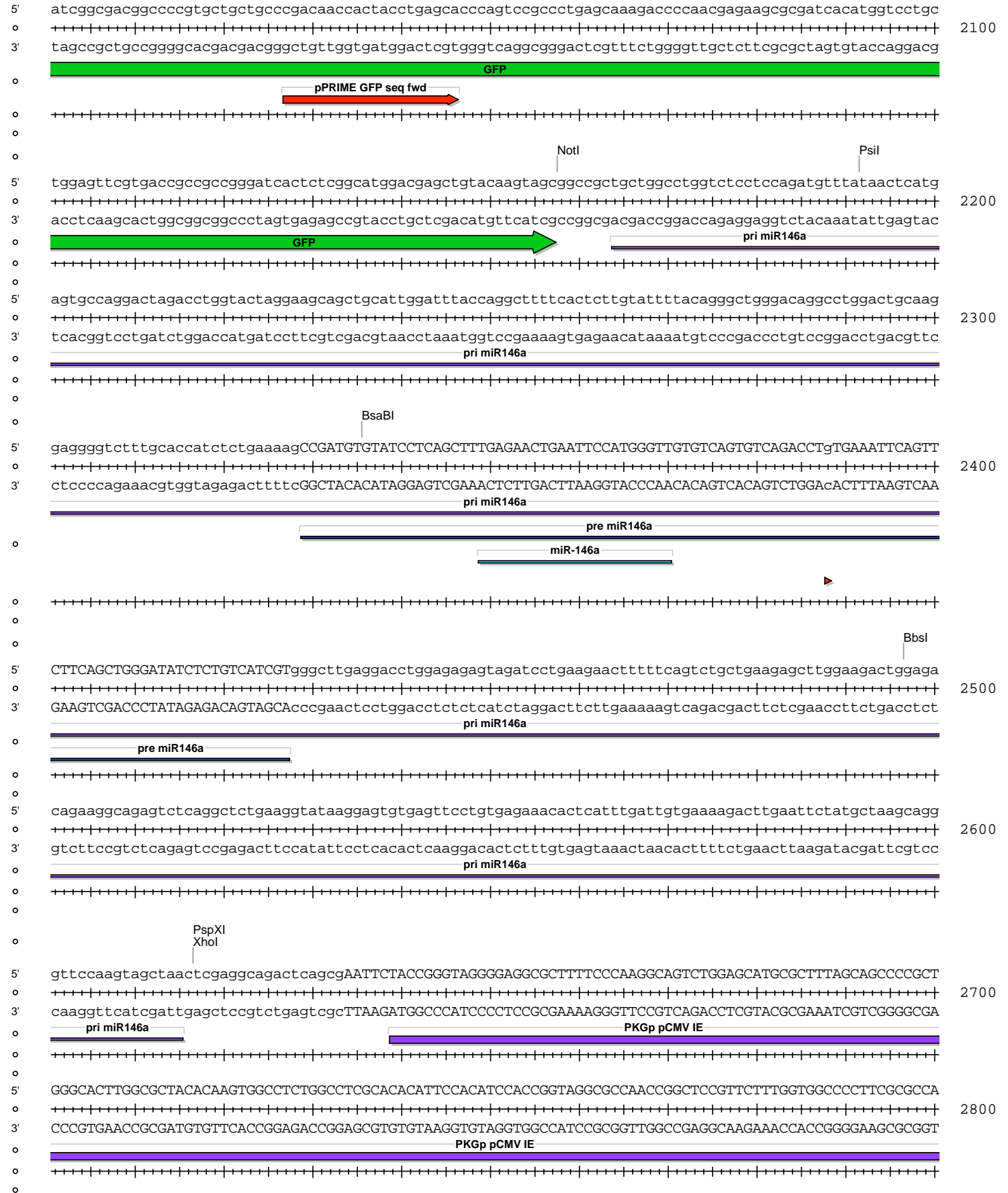
5' TGGAATGACGAGTTCGAAACCCCGCCGCAACCTGGGAGACGTCCCAGGGACTTTGGGGCCGTTTGTGGCCCGACCTGAGGAAGGGAGTCGATG
 800
 3' ACCTTGACTGCTCAAGACTTGTGGGCCGGCGTTGGGACCTCTGCAGGGTCCCTGAAACCCCGGCAAAAACACCGGGCTGGACTCCTTCCTCAGCTAC
 Pack Signal

5' TGGAATCCGACCCCGTCAGGATATGTGGTTCTGGTAGGAGACGAGAACC TAAACAGTTCCTGCTGCTGAATTTTGTCTTTCGGTTTGAACCGAA
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 3' ACCTTAGGCTGGGGCAGTCTTATACACCAAGACCATCCTCTGCTCTGGATTTGTCAAGGGCGGAGGCAGACTTAAAAACGAAAGCCAAACCTTGCTT
 Pack Signal

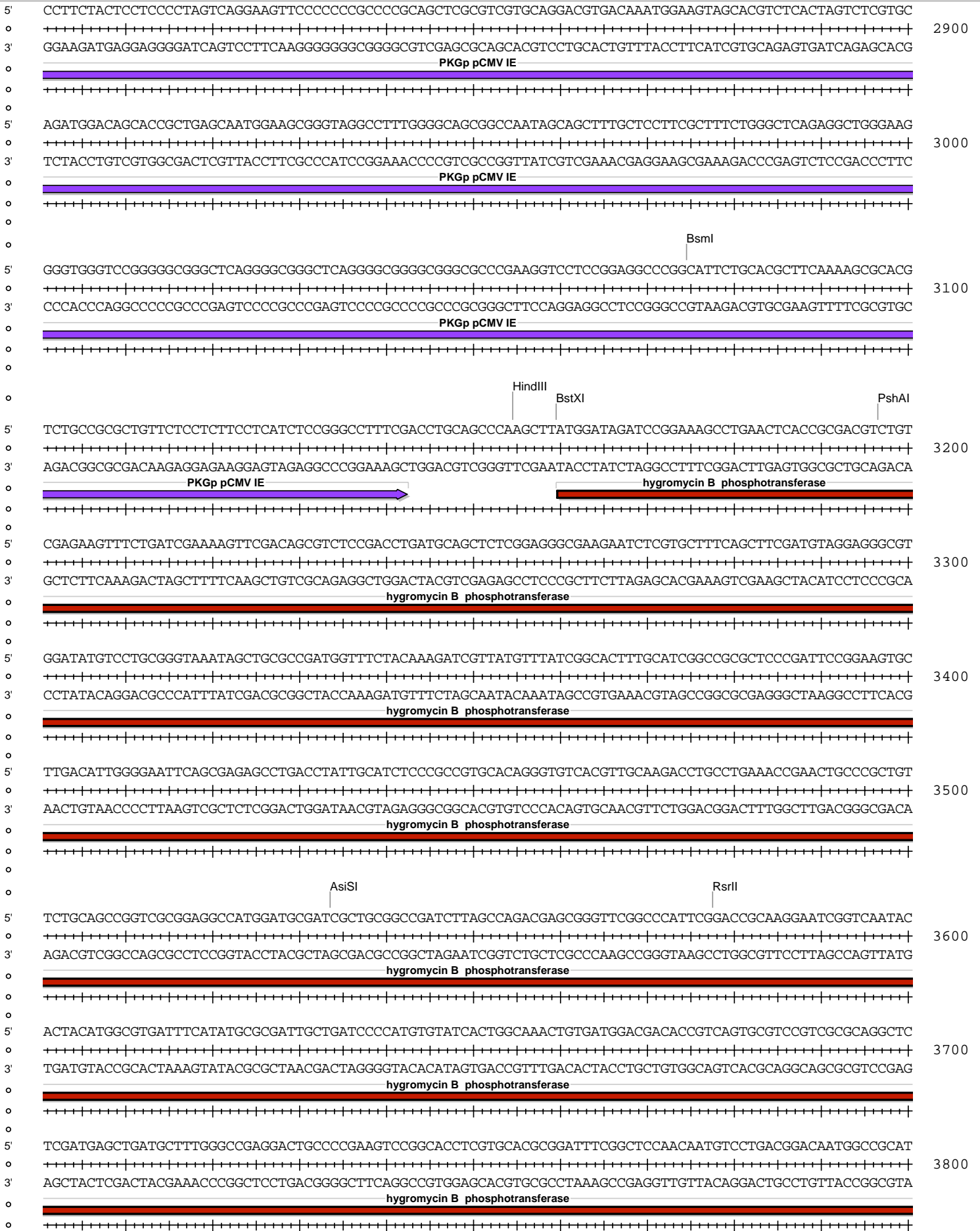
5' GCCGCGCTCTGTCTGCTGCAGCGCTGCAGCATCGTTCGTGTGTCTCTGTCTGACTGTGTTCTGTATTTGTCTGAAAATTAGGGCCAGACTGTTAC
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 3' CGGGCGCAGAACAGACGACGTCGCGACGTCGTAGCAAGACACAAACAGAGACAGACTGACACAAAGACATAAACAGACTTTTAATCCCGGTCTGACAATG
 Pack Signal

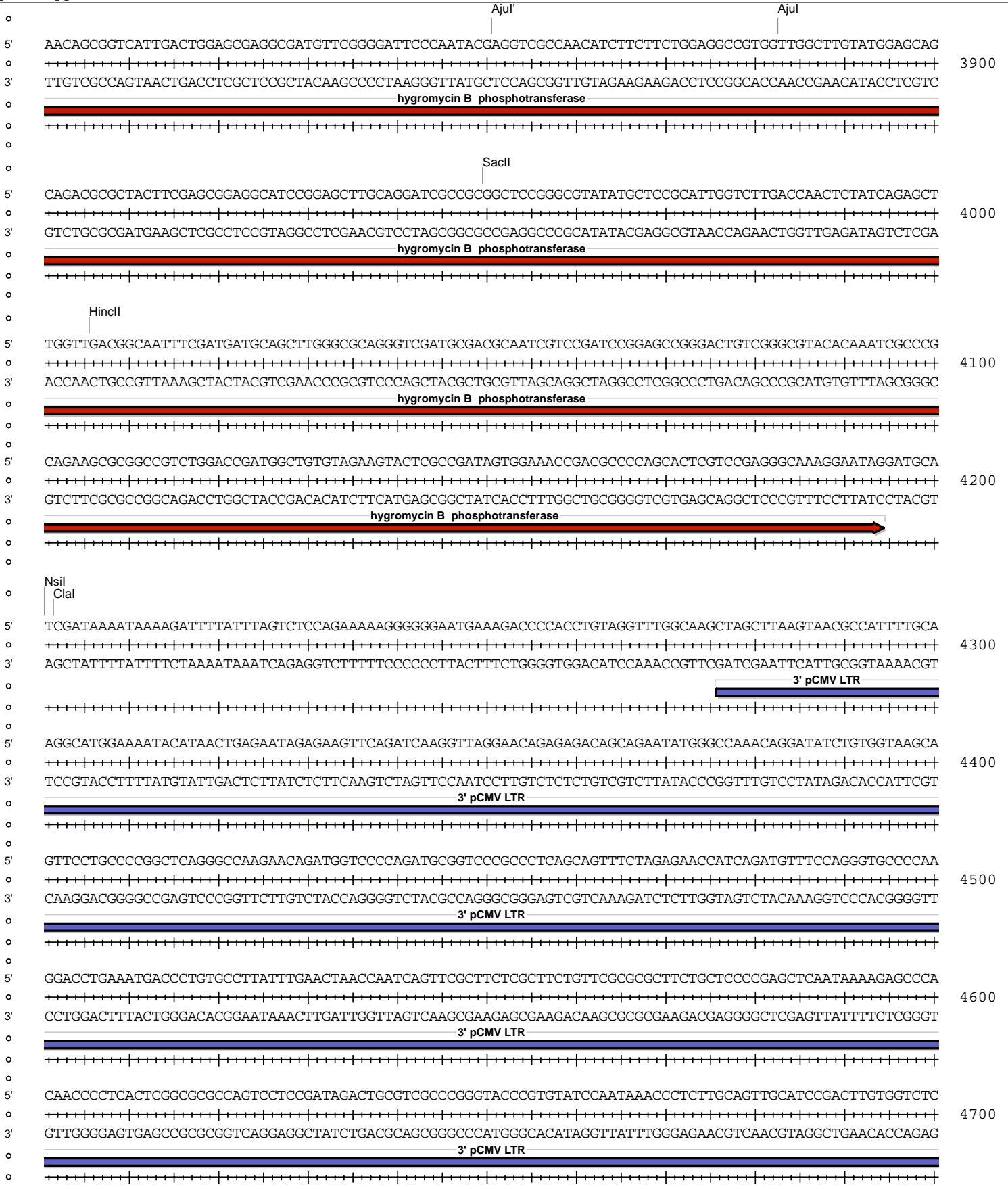


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5' TCAAAAAGGATCTTCACCTAGATCCTTTTAAATTA AAAATGAAGTTTAAATCAATCTAAAGTATATATGAGTAAACTTGGTCTGACAGTTACCAATGCT
 6100
 3' AGTTTTTCCTAGAAGTGGATCTAGGAAAATTTAATTTTACTTCAAATTTAGTTAGATTTTATATATACTCATTTGAACCAGACTGTCAATGGTTACGA
 Amp Res

5' TAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACC
 6200
 3' ATTAGTCACTCCGTGGATAGAGTTCGCTAGACAGATAAAGCAAGTAGGTATCAACGGACTGAGGGGCAGCACATCTATTGATGCTATGCCCTCCCGAATGG
 Amp Res

5' ATCTGGCCCCAGTGTGCAATGATACCGCGAGACCCACGCTCACCGGCTCCAGATTTATCAGCAATAAACAGCCAGCCGGAAGGGCCGAGCGCAGAAGT
 6300
 3' TAGACCGGGGTCACGACGTTACTATGGCGCTCTGGGTGCGAGTGGCCGAGGTCTAAATAGTCGTTATTTGGTCCGTCGGCCTTCCC GGCTCGCGTCTTCA
 Amp Res

5' GGTCTGCAACTTTATCCGCCTCATCCAGTCTATTAATTGTTGCGGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTGGCACAACGTTGTTGCCA
 6400
 3' CCAGGACGTTGAAATAGCGGAGGTAGGTGAGTAAATTAACAACGGCCCTTCGATCTCATTCAATCAAGCGGTCAATTATCAAACGCGTTGCAACAACGGT
 Amp Res

5' TTGCTACAGGCATCGTGGTGTACGCTCGTCTTGGTATGGCTTCATTAGCTCCGGTTCCTCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTG
 6500
 3' AACGATGTCCGTAGCACCACAGTGCAGCAGCAAACCATACCGAAGTAAGTTCGAGGCCAAGGGTTGCTAGTTCCGCTCAATGTACTAGGGGTACAACAC
 Amp Res

5' CAAAAAGCGGTTAGCTCCTTCGGTCTCCGATCGTTGTGAGTAAGTTGGCCGAGTGTATCACTCATGGTTATGGCAGCACTGCATAATTCTCTT
 6600
 3' GTTTTTTCGCAATCGAGGAAGCCAGGAGGCTAGCAACAGTCTTCATTCAACCGGCTCACAAATAGTGAGTACCAATACCGTCTGACGTATTAAGAGAA
 Amp Res

5' ACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGTGACTCAACCAAGTCAATCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGG
 6700
 3' TGACAGTACGTTAGGCATTCTACGAAAAGACACTGACCACTCATGAGTTGGTTCAGTAAGACTCTTATCACATACGCCGCTGGCTCAACGAGAACGGGCC
 Amp Res

5' CGTCAATACGGGATAATACCGGCCACATAGCAGAACTTTAAAAGTGTCTCATCTTGGAAAACGTTCTTCGGGGCGAAAACCTCAAGGATCTTACCCT
 6800
 3' GCAGTTATGCCCTATTTATGGCGCGGTGATCGTCTTGAATTTTACAGAGTAGTAACCTTTTGCAAGAAGCCCCGCTTTTGAGAGTTCTTAGAATGGCGA
 Amp Res

5' GTTGAGATCCAGTTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTACTTTCACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGCAA
 6900
 3' CAACTCTAGGTCAAGTACATTGGGTGAGCAGTGGGTTGACTAGAAGTCGTAGAAAATGAAAGTGGTCGCAAAAGACCCACTCGTTTTTGTCTCCCGTT
 Amp Res

5' AATGCCGCAAAAAAGGAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTCAATATTTATTGAAGCATTATCAGGGTTATTGTCTCA
 7000
 3' TTACGGCGTTTTTCCCTTATTCCTCGCTGTGCCTTTACAACCTATGAGTATGAGAAGGAAAAAGTTATAATAACTTCGTAAATAGTCCCAATAACAGAGT
 Amp Res

5' TGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTCCACCTGACGTCTAAGAAAACATTAT
 7100
 3' ACTCGCCTATGTATAAACTTACATAAATCTTTTATTTGTTTATCCCAAGCGCGTGTAAAGGGGCTTTTCACGGTGGACTGCAGATTCTTTGGTAAATA
 Amp Res

