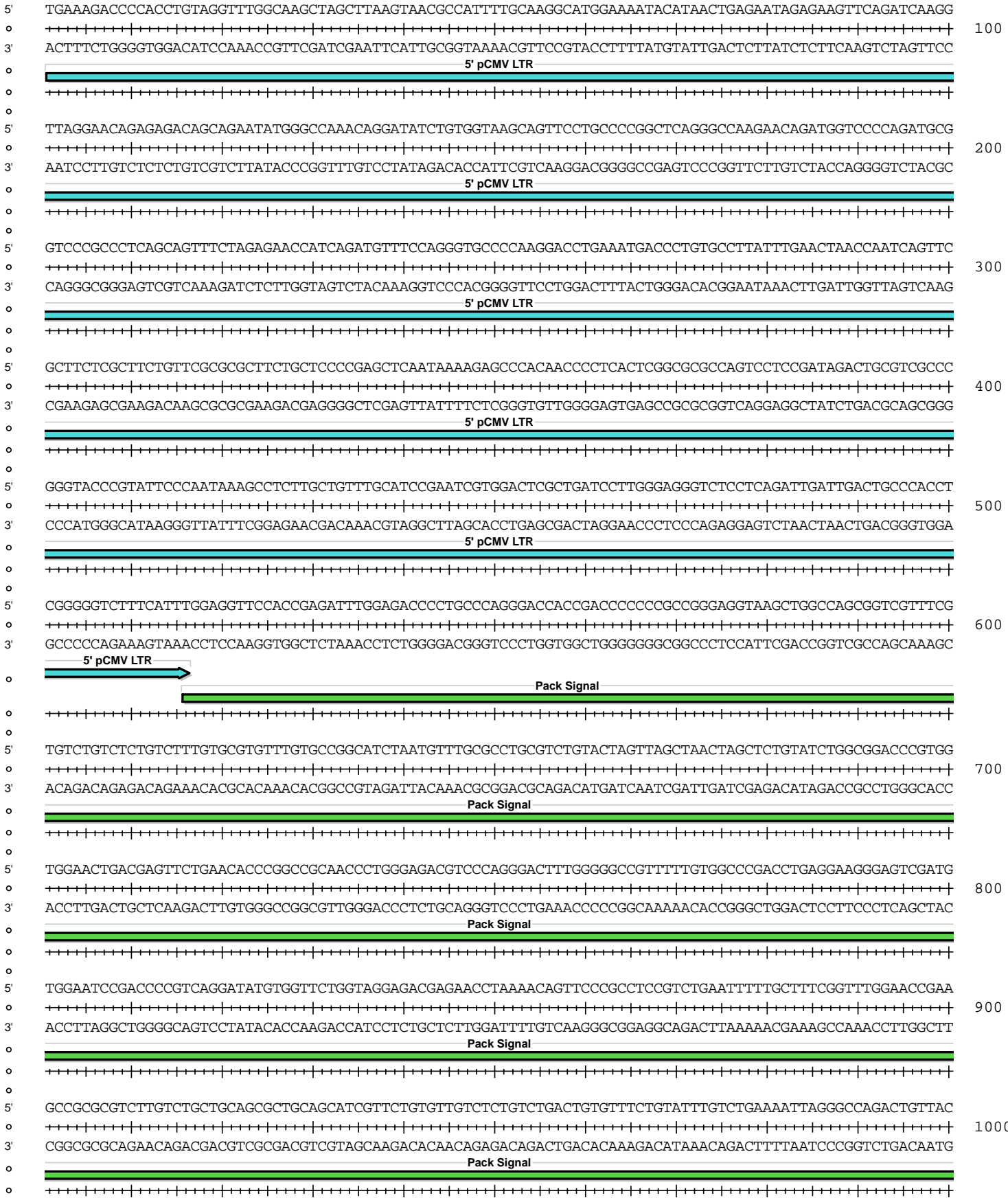


Absent Sites	0	AarI,Abst,Accl,Ajul,Ajul',AlfI,AlfI',AsiSI,AvrII,BamHI,BarI,BarI',BbsI,BclI,BpII,BpII',BsaAI,BsaBI,BstBI,BstXI,BstZ17I,CspCI,CspCI',FseI,FspAI,HincII,HpaI,MauBI,MfeI,MluI,MreI,NruI,Pacl,PfiMI,PmeI,PmlI,PsiI,PspXI,PsrI,PsrI',Sall,SbfI,SfiI,SgrDI,SnaBI,SrfI,Swal,XcmI,XhoI
AfIII	1	4835
Apal	1	2446
Arsl	1	1732
Arsl'	1	1700
BglII	1	1411
BplI	1	2865
BsiWI	1	3168
BsmI	1	3023
BspMI	1	3101
BtgZI	1	1559
Clal	1	3766
DraIII	1	3683
EcoRI	1	2582
HindIII	1	3103
NcoI	1	1436
NdeI	1	6899
NotI	1	2158
NsiI	1	3765
PciI	1	4835
PshAI	1	2405
PspOMI	1	2442
RsrII	1	3228
SacII	1	3326
SanDI	1	2489
Scal	1	6208
SgrAI	1	7271

pMSCVpuro-GFP miR-24-2



pMSCVpuro-GFP miR-24-2

5' CACTCCCTTAAGTTTACCTTAGGTCAGTGGAAAGATGTCGAGCGGATCGCTCACACCAGTCGGTAGATGTCAAGAAGAGACGTTGGGTTACCTTCTGC
 1100
 3' GTGAGGGAATCAAACTGGAATCCAGTGACCTTTCTACAGCTCGCCTAGCGAGTGTGGTCAGCCATCTACAGTTCTTCTCTGCAACCCAATGGAAGACG
 Pack Signal

5' TCTGCAGAATGGCCAACCTTTAACGTCGGATGGCCGCGAGACGGCACCTTTAACCGAGACCTCATCACCAGGTTAAGATCAAGGTCTTTTACCTGGCC
 1200
 3' AGACGTCTTACCGGTTGGAATTCAGCCTACCGGCGCTCTGCCGTGGAATTTGGCTCTGGAGTAGTGGGTCCAATTCTAGTTCAGAAAAGTGGACCGG
 Pack Signal

5' CGCATGGACACCCAGACCAGGTCCCCTACATCGTGACCTGGGAAGCCTTGGCTTTTGACCCCCCTCCCTGGGTCAAGCCCTTTGTACACCCTAAGCCTCC
 1300
 3' GCGTACCTGTGGGTCTGGTCCAGGGGATGTAGCACTGGACCCTTCGGAACCGAAAACCTGGGGGAGGGACCCAGTTCGGGAAACATGTGGGATTCGGAGG
 Pack Signal

5' GCCTCTCTTCTCCATCCGCCCCGTCTCTCCCCTTGAACCTCCTCGTTCGACCCCGCCTCGATCCTCCCTTTATCCAGCCCTCACTCCTTCTCTAGGC
 1400
 3' CGGAGGAGAAGGAGGTAGGCGGGGCGAGAGGGGGAACCTGGAGGAGCAAGCTGGGGCGGAGCTAGGAGGGAAATAGGTGGGAGTGAGGAAGAGATCCG
 Pack Signal

BglII NcoI
 5' GCCGGAATTAGATCTccagcgtgaccggtgcccaccatggtgagcaagggcgaggagctgttcaccggggtggtgcccatcctggtcgagctggacggcg
 1500
 3' CGGCCTTAATCTAGAggtcgactggccagcgtggtaccactcgttcccgtcctcgacaagtggccccaccacgggtaggaccagctcgacctgccgc
 Pa...I GFP

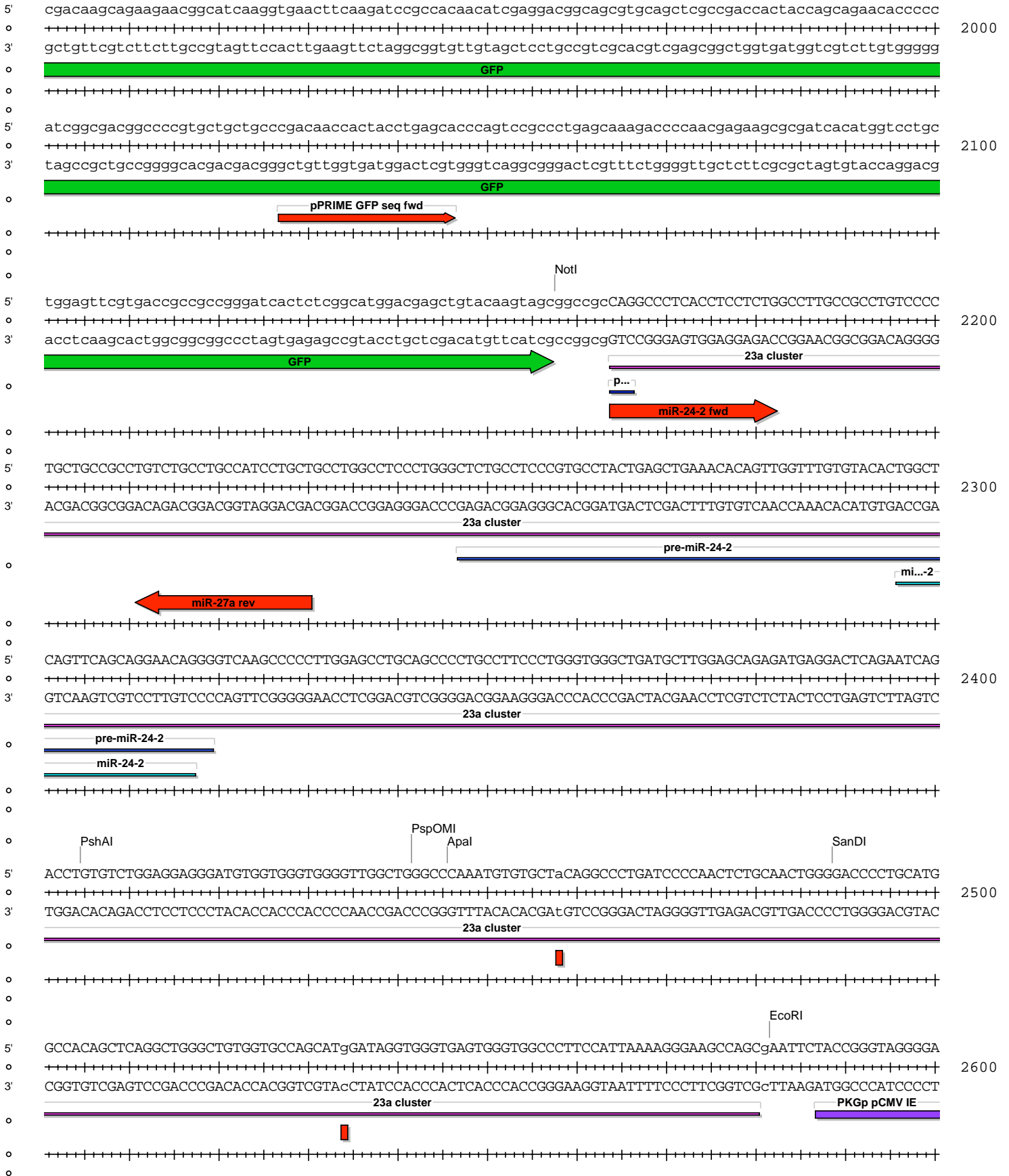
BtgZI
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 1600
 3' tgcatttgcgggtgttcaagtcgcacaggccgctcccgtcccgtacggtggatgcccgttcgactgggacttcaagtagacgtggtggccgttcgacgg
 GFP

ArsI
 5' cgtgcctggccaccctcgtgaccaccctgacctacggcgtgacgtgcttcagccgtaccccgaccacatgaagcagcagacttcttcaagtccgcc
 1700
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 GFP

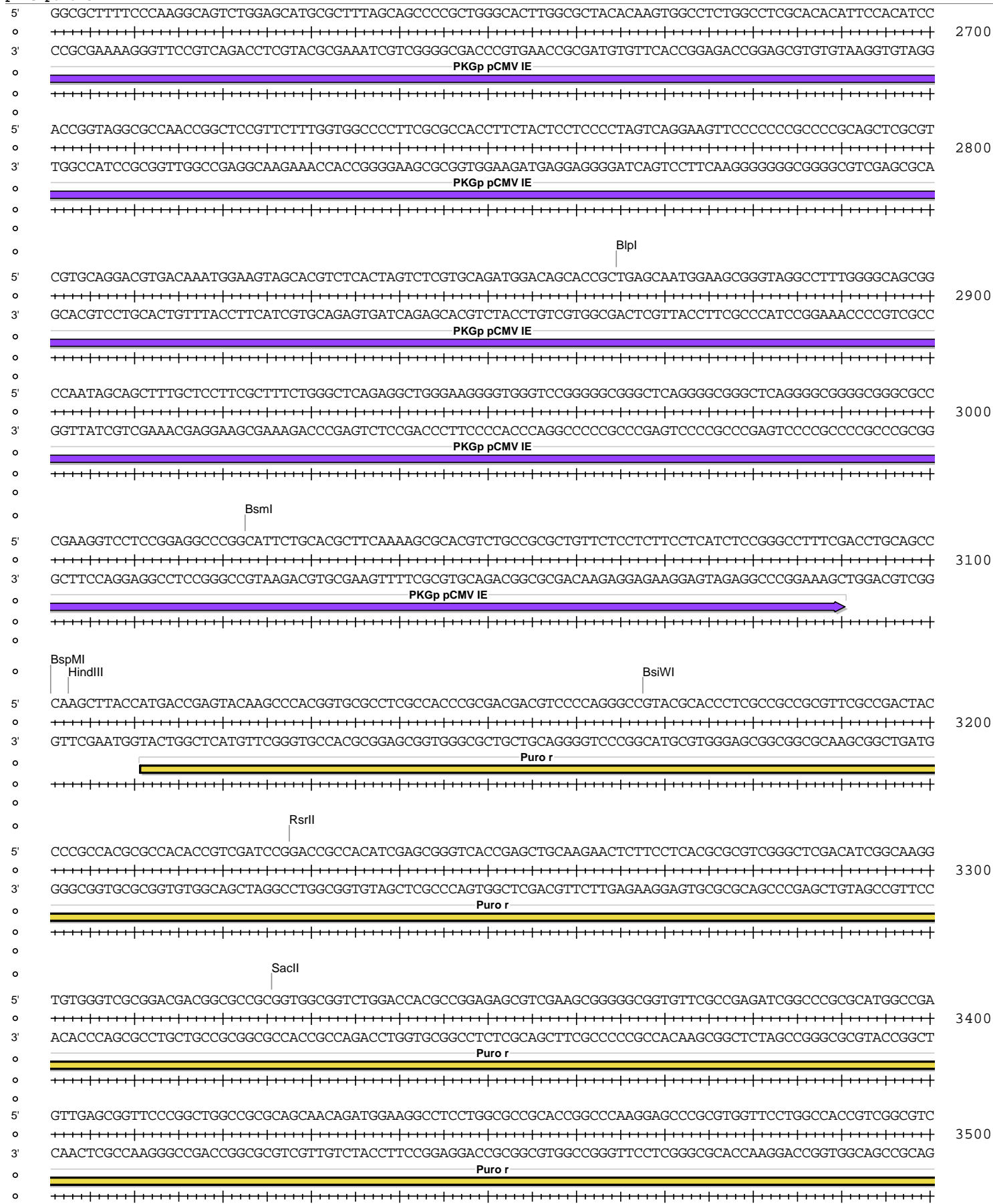
ArsI
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 1800
 3' tacgggcttccgatgcaggtcctcgcgtggtagaagaagttcctgctgcccgtgatgttctgggcccggctccacttcaagctcccgtgtgggaccact
 GFP

5' accgcatcgagctgaaggcatcgacttcaaggaggacggcaacatcctggggcacaagctggagtacaactacaacagccacaacgtctatatcatggc
 1900
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 GFP

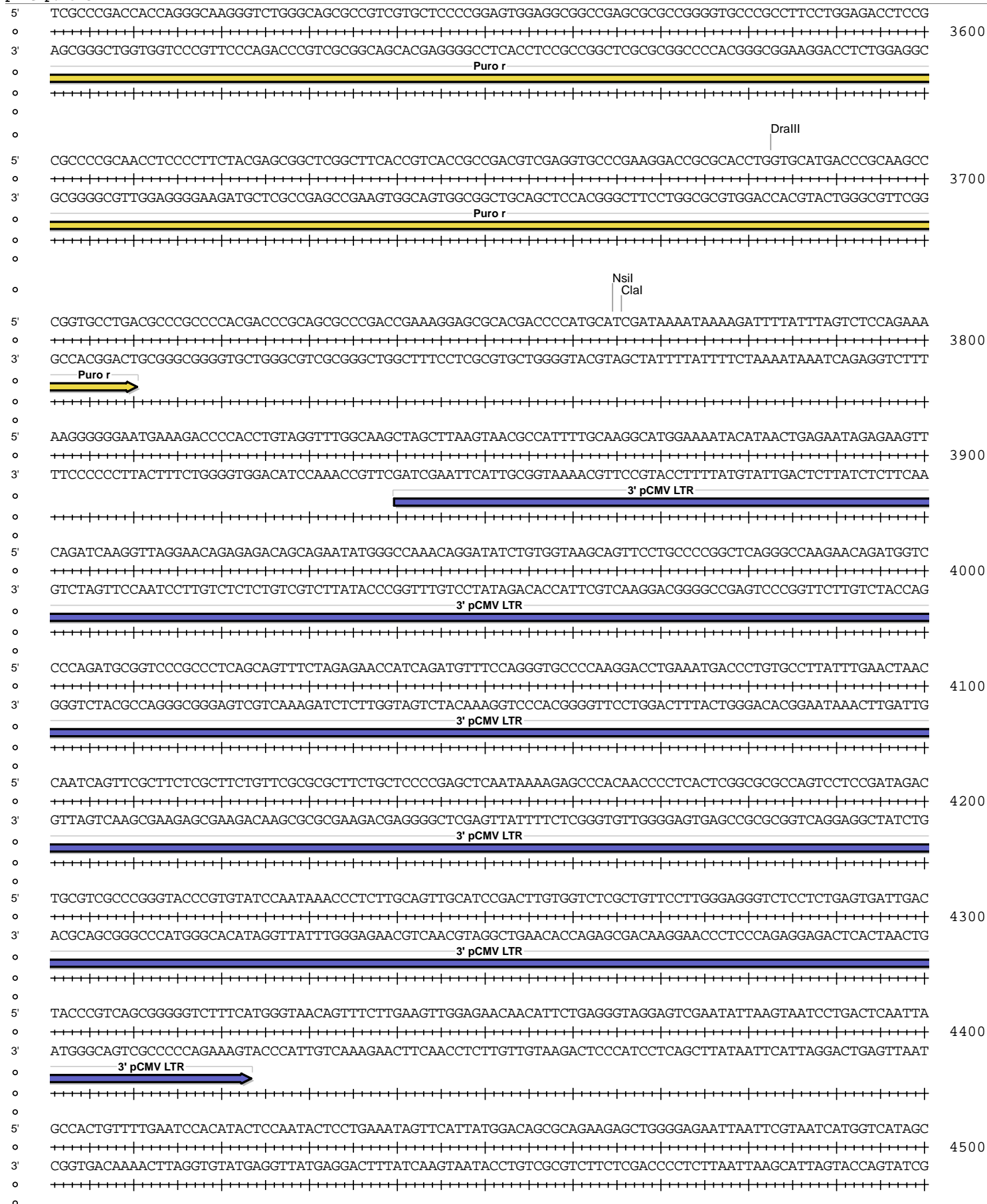
pMSCVpuro-GFP miR-24-2



pMSCVpuro-GFP miR-24-2



pMSCVpuro-GFP miR-24-2



pMSCVpuro-GFP miR-24-2

5' TTCGTTTCATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGTGCAATGATACCGCGAGACCC
 3' AAGCAAGTAGGTATCAACGGACTGAGGGGCAGCACATCTATTGATGCTATGCCCTCCCGAATGGTAGACCGGGGTCACGACGTTACTATGGCGCTCTGGG
 Amp Res

5' ACGCTCACC GGCTCCAGATTTATCAGCAATAAACAGCCAGCCGCGAAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCTCCATCCAGTCTATT
 3' TGCGAGTGGCCGAGGTCTAAATAGTCGTTATTTGGTCCGTCGGCTTCCCGGCTCGCGTCTTACCAGGACGTTGAAATAGGCGGAGGTAGGTCAGATAA
 Amp Res

5' AATTGTTGCCGGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTGGCGCAACGTTGTTGCCATTGCTACAGGCATCGTGGTGTACGCTCGTCTGTTG
 3' TTAACAACGGCCCTTCGATCTCATTCAAGCGGTCAATTTATCAAACGCGTTGCAACAACGGTAACGATGTCCGTAGCACCACAGTGCAGCAGCAAA
 Amp Res

5' GTATGGCTTCATTAGCTCCGGTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAAGCGGTTAGCTCCTTCGGTCTCCGATCGT
 3' CATAACGAAGTAAGTCGAGGCCAAGGGTTGCTAGTTCCGTCGAATGACTAGGGGTACAACACGTTTTTTTCGCCAATCGAGGAAGCCAGGAGGCTAGCA
 Amp Res

5' TGTCAGAAGTAAGTTGGCCGAGTGTATCACTCATGGTTATGGCAGCACTGCATAATTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACT
 3' ACAGTCTTCATTCAACCGGCGTCACAATAGTGAGTACCAATACCGTCGTGACGTAATTAAGAGAATGACAGTACGGTAGGCATTCTACGAAAAGACTGA
 Amp Res

Scal

5' GGTGAGTACTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGGCCGGCGTCAATACGGGATAATACCGGCCACATAGCAGAA
 3' CCACTCATGAGTTGGTTCAGTAAGACTCTTATCACATACGCCGCTGGCTCAAACGAGAACGGGCGCAGTTATGCCTATATGGCGGGTGTATCGCTTT
 Amp Res

5' CTTTAAAAGTGTCTCATCTTGGAAAACGTTCTTCGGGGCGAAAACCTCTCAAGGATCTTACCCTGTTGAGATCCAGTTCGATGTAAACCACTCGTGCACC
 3' GAAATTTTCACGAGTAGTAACCTTTTGCAAGAAGCCCCGCTTTTGAGAGTTCTTAGAATGGCGACAACCTTAGGTCAAGCTACATTTGGGTGAGCACGTGG
 Amp Res

5' CAACTGATCTTCAGCATCTTTTACTTTTACCAGCGTTTCTGGGTGAGCAAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAAGGGCGACACGGAAA
 3' GTTGACTAGAAGTCGTAGAAAATGAAAGTGGTCGCAAAGACCCACTCGTTTTTTGCTCCTTCCGTTTTTACGGCGTTTTTCCCTTATTTCCGCTGTGCCTTT
 Amp Res

5' TGTTGAATACTCATACTCTTCTTTTCAATATATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATA
 3' ACAACTTATGAGTATGAGAAGGAAAAAGTTATAATAACTTCGTAATAGTCCCAATAACAGAGTACTCGCCTATGTATAAACTTACATAAATCTTTTTAT
 Amp Res

5' AACAAATAGGGGTTCCGCGCACATTTCCCCGAAAAGTGCACCTGACGTCTAAGAAACCATTATTATCATGACATTAACCTATAAAAATAGGCGTATCAC
 3' TTGTTTATCCCAAGGCGCGTGTAAAGGGGCTTTTACGGTGGACTGCAGATTCTTTGGTAATAATAGTACTGTAATTGGATATTTTATCCGCATAGTG
 Amp Res

5' GAGGCCCTTTTCGCTCTCGCGGTTTTCCGGTGATGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGATGCCGGG
 3' CTCCGGGAAAAGCAGAGCGCGCAAGCCACTACTGCCACTTTTGGAGACTGTGTACGTCGAGGGCCTCTGCCAGTGTGCAACAGACATTCGCTACGGCCC
 Amp Res

o

5' AGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTGGCGGGTGTGGGGCTGGCTTAACCTATGCGGCATCAGAGCAGATTGTACTGAGAGTGCACCATA
o ++++++ | NdeI
o 6900

3' TCGTCTGTTCCGGCAGTCCCAGCAGTCGCCCACAACCGCCACAGCCCCGACCGAATTGATACGCCGTAGTCTCGTCTAACATGACTCTCACGTGGTAT
o ++++++

o

5' TGCGGTGTGAAATACCGCACAGATGCGTAAGGAGAAAATACCGCATCAGGCGCCATTTCGCCATTTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCG
o ++++++ | 7000

3' ACGCCACACTTTATGGCGTGTCTACGCATTCTCTTTTATGGCGTAGTCCGCGGTAAGCGGTAAGTCCGACGCGTTGACAACCCCTTCCCGCTAGCCACGC
o ++++++

o

5' GGCTCTTCGCTATTACGCCAGCTGGCGAAAGGGGGATGTGCTGCAAGGCGATTAAGTTGGGTAACGCCAGGGTTTTCCAGTCACGACGTTGTAAAACG
o ++++++ | 7100

3' CCGGAGAAGCGATAATGCGGTGACCGCTTTCCCCCTACACGACGTTCCGCTAATTCAACCCATTGCGGTCCCAAAGGGTCAGTGCTGCAACATTTTGC
o ++++++

o

5' ACGGCGCAAGGAATGGTGCATGCAAGGAGATGGCGCCCAACAGTCCCCCGCCACGGGGCTGCCACCATACCCACGCCGAAACAAGCGCTCATGAGCCC
o ++++++ | 7200

3' TGCCCGTTCCTTACCACGTACGTTCTCTACCGCGGGTTGTGAGGGGGCCGGTCCCGGACGGTGGTATGGGTGCGGCTTTGTTGCGGAGTACTCGGG
o ++++++

o

o

o

5' GAAGTGGCGAGCCCGATCTTCCCATCGGTGATGTGCGCGATATAGGCGCCAGCAACCGCACCTGTGGCGCCGGTGTATGCCGGCCACGATGCGTCCGGCG
o ++++++ | SgrAI
o 7300

3' CTTACCGCTCGGGCTAGAAGGGGTAGCCACTACAGCCGCTATATCCGCGGTCGTTGGCGTGGACACCGCGGCACTACGGCCGGTGTACGCAGGCCGC
o ++++++

o

5' TAGAGGCGATTAGTCCAATTTGTAAAGACAGGATATCAGTGGTCCAGGCTCTAGTTTTGACTCAACAATATCACCAGCTGAAGCCTATAGAGTACGAGC
o ++++++ | 7400

3' ATCTCCGCTAATCAGGTTAAACAATTTCTGTCTATAGTACCAGGTCCGAGATCAAACTGAGTTGTTATAGTGGTCGACTTCGGATATCTCATGCTCG
o ++++++

o

5' CATAGATAAAATAAAAGATTTTATTTAGTCTCCAGAAAAGGGGGGAA
o ++++++ | 7448

3' GTATCTATTTTATTTTCTAAAATAAATCAGAGGTCTTTTTCCTCCCTT
o ++++++

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