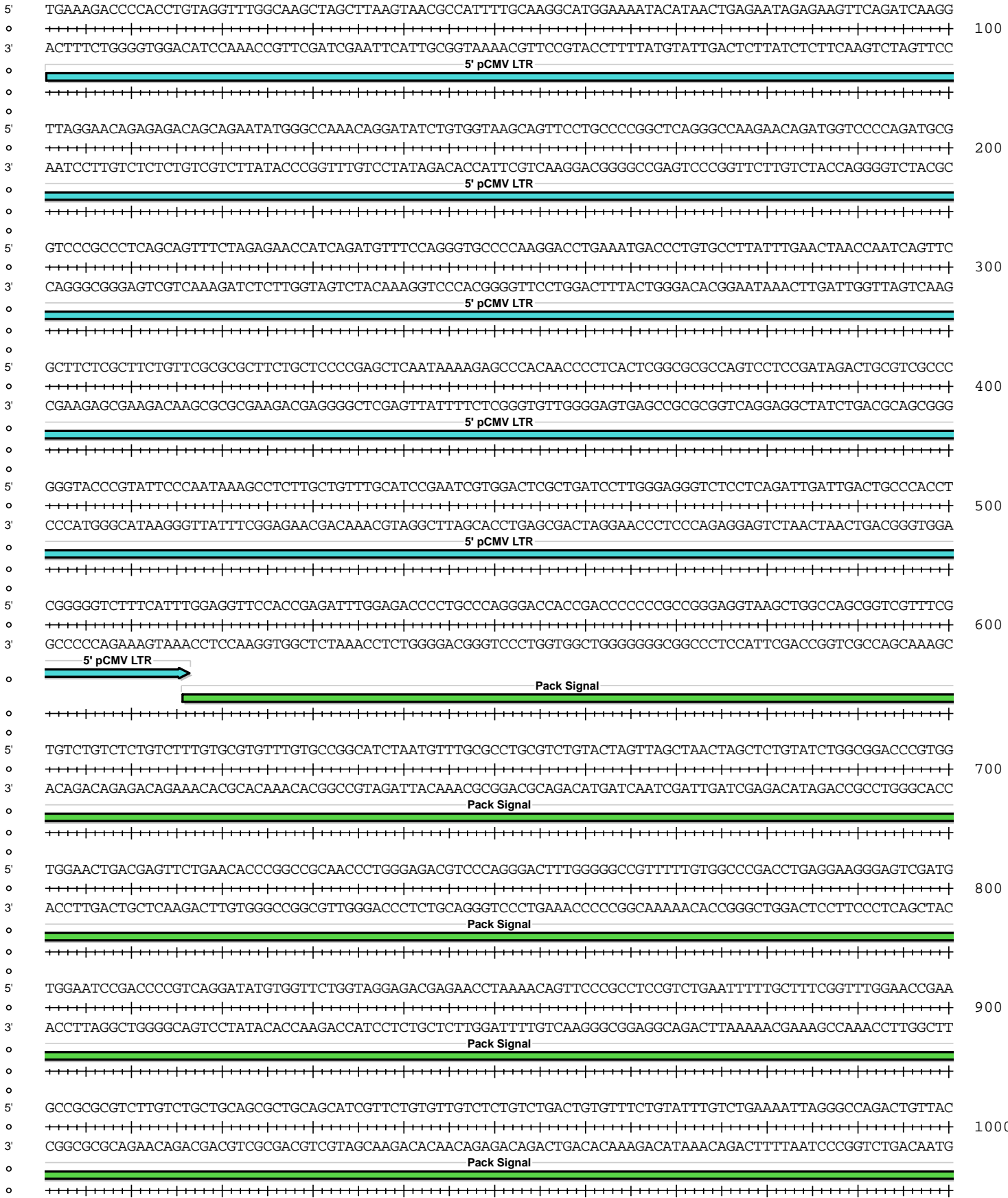


pMSCVpuro-GFP miR-27a

Absent Sites	0	AarI, AbsI, AccI, AjuI, AjuI', AlfI, AlfI', ApaI, AsiSI, AvrII, BamHI, BarI, BarI', BbsI, BclI, BpI, BpI', BsaAI, BsaBI, BstBI, BstXI, BstZ17I, CspCI, CspCI', FseI, FspAI, HincII, HpaI, MauBI, MfeI, MluI, MreI, NruI, PacI, PfiMI, PmeI, PmlI, PshAI, PstI, PspOMI, PspXI, PstI, PstI', Sall, SanDI, SbfI, SfiI, SgrDI, SnaBI, SrfI, SwaI, XcmI, XhoI
AfIII	1	4629
ArsI	1	1732
ArsI'	1	1700
BglII	1	1411
BsiWI	1	2962
BsmI	1	2817
BspMI	1	2895
BtgZI	1	1559
ClaI	1	3560
DraIII	1	3477
EcoRI	1	2376
HindIII	1	2897
NcoI	1	1436
NdeI	1	6693
NotI	1	2158
NsiI	1	3559
PciI	1	4629
RsrII	1	3022
SacII	1	3120
Scal	1	6002
SgrAI	1	7065

pMSCVpuro-GFP miR-27a



pMSCVpuro-GFP miR-27a

5' CACTCCCTTAAGTTTACCTTAGGTCAGTGGAAAGATGTCGAGCGGATCGCTCACACCAGTCGGTAGATGTCAAGAAGAGACGTTGGGTTACCTTCTGC
 1100
 3' GTGAGGGAATTCAAACCTGGAATCCAGTGACCTTTCTACAGCTCGCCTAGCGAGTGTGGTCAGCCATCTACAGTTCTTCTCTGCAACCCAATGGAAGACG
 Pack Signal

5' TCTGCAGAATGGCCAACCTTTAACGTCGGATGGCCGCGAGACGGCACCTTTAACCGAGACCTCATCACCAGGTTAAGATCAAGGTCTTTTACCTGGCC
 1200
 3' AGACGTCTTACCGGTTGGAATTCAGCCTACCGGCGCTCTGCCGTGGAATTTGGCTCTGGAGTAGTGGGTCCAATTCTAGTTCAGAAAAGTGGACCGG
 Pack Signal

5' CGCATGGACACCCAGACCAGGTCCCCTACATCGTGACCTGGGAAGCCTTGGCTTTTGACCCCCCTCCCTGGGTCAAGCCCTTTGTACACCCTAAGCCTCC
 1300
 3' GCGTACCTGTGGGTCTGGTCCAGGGGATGTAGCACTGGACCCTTCGGAACCGAAAACCTGGGGGAGGGACCCAGTTCGGGAAACATGTGGGATTCGGAGG
 Pack Signal

5' GCCTCTCTTCTCCATCCGCCCCGTCTCTCCCCTTGAACCTCCTCGTTCGACCCCGCCTCGATCCTCCCTTTATCCAGCCCTCACTCCTTCTCTAGGC
 1400
 3' CGGAGGAGAAGGAGGTAGGCGGGGCGAGAGGGGGAACCTTGGAGGAGCAAGCTGGGGCGGAGCTAGGAGGGAAATAGGTGGGAGTGAGGAAGAGATCCG
 Pack Signal

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

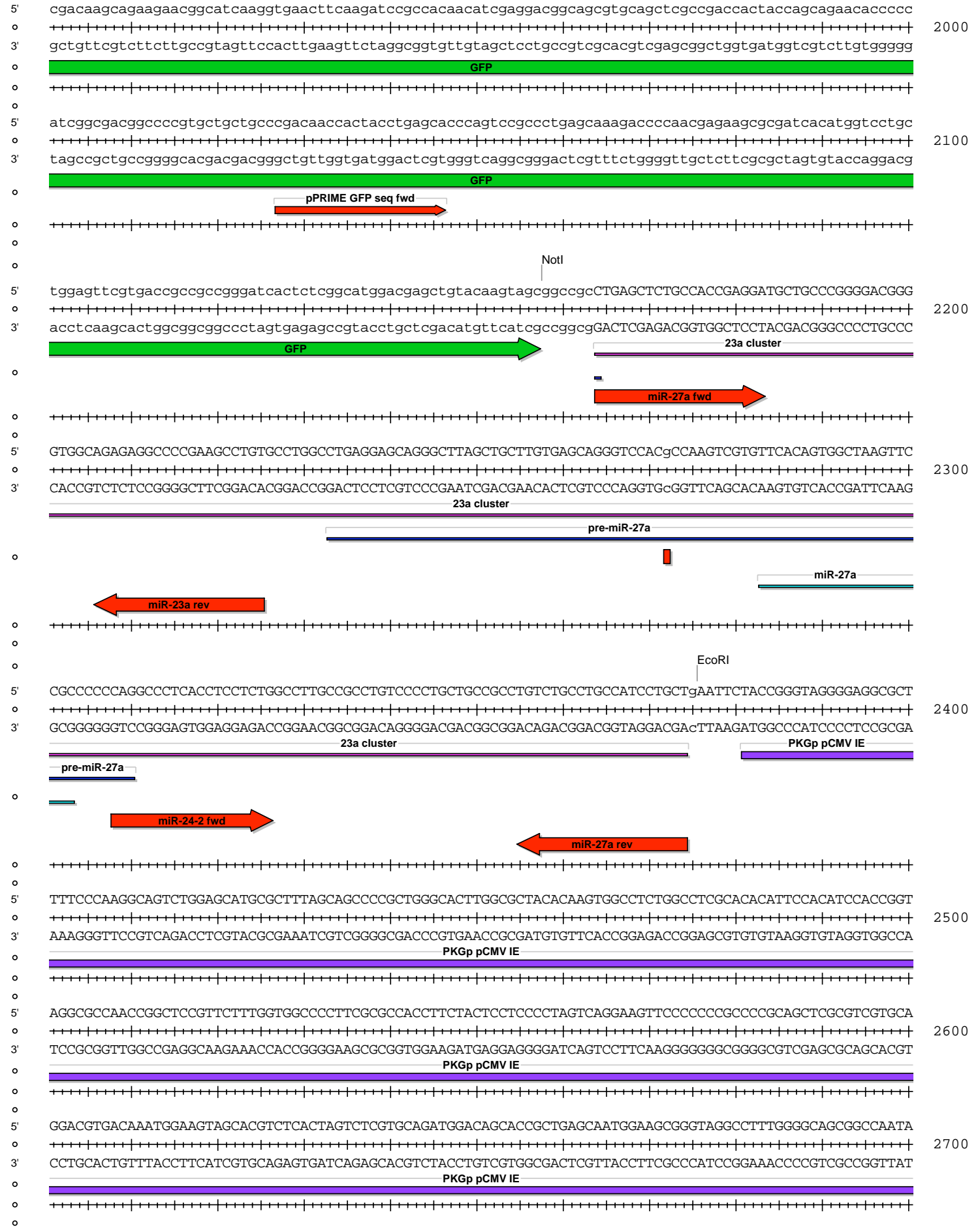
BtgZI
 5' acgtaaacggccacaagttcagcgtgtccggcgagggcgagggcgatgccacctacggcaagctgacctgaagttcatctgcaccaccggcaagctgcc
 1600
 3' tgcatttgcgggtgttcaagtcgcacaggccgctcccgtcccgtacggtggatgcccgttcgactgggacttcaagtagacgtggtggccgttcgacgg
 GFP

ArsI
 5' cgtgcctggccaccctcgtgaccaccctgacctacggcgtgacgtgcttccagccgtaccccgaccacatgaagcagcagacttcttcaagtcggcc
 1700
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 GFP

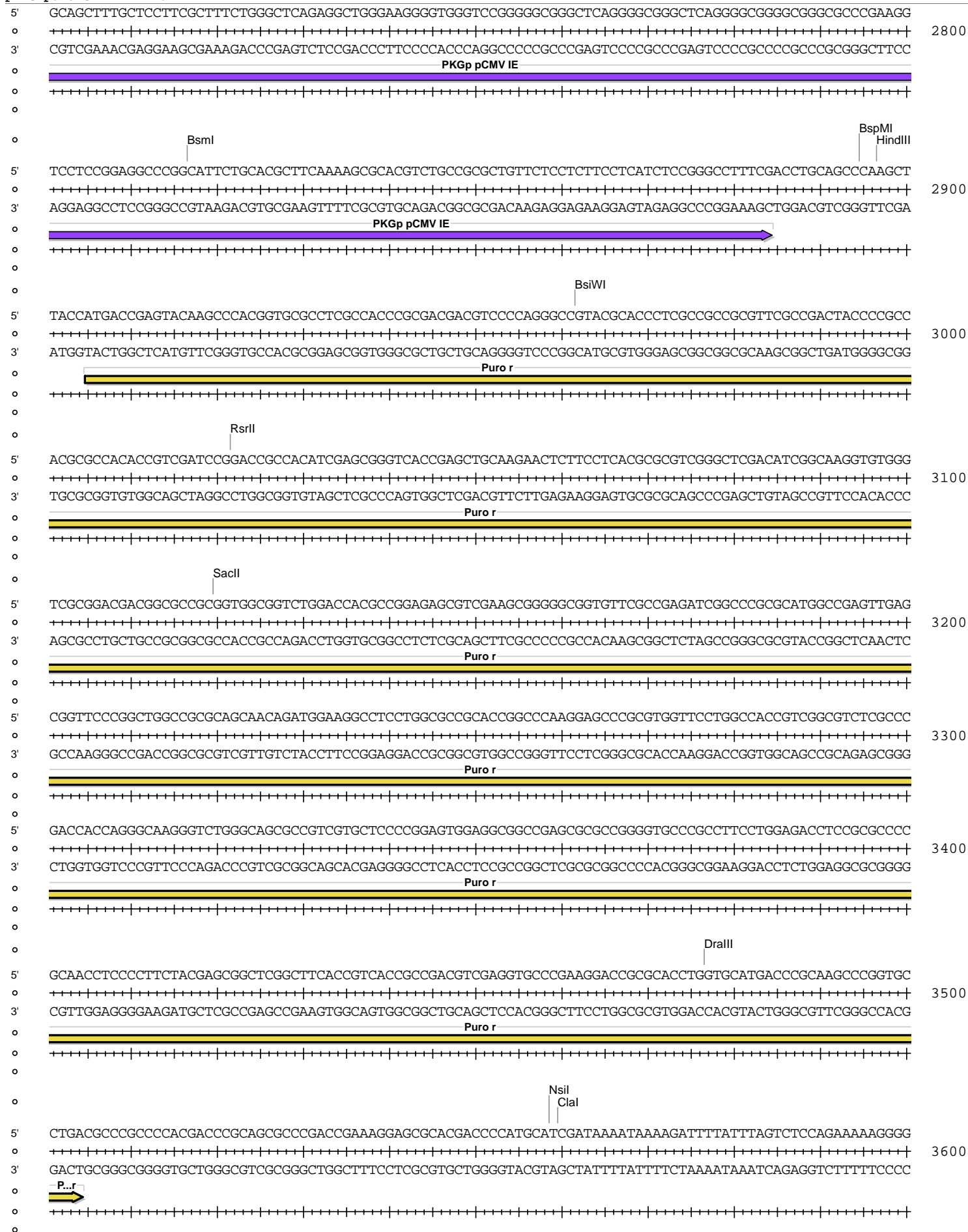
ArsI
 5' atgcccgaaggctacgtccaggagcgcaccatcttcttcaaggacgacggcaactacaagaccgcccggaggtgaagttcgagggcgacaccctggtga
 1800
 3' tacgggcttccgatgcaggtcctcgcgtggtagaagaagttcctgctgcccgtgatgttctgggcgcggtccacttcaagtcctccgctgtgggaccact
 GFP

5' accgcatcgagctgaaggcatcgacttcaaggaggacggcaacatcctggggcacaagctggagtacaactacaacagccacaacgtctatatcatggc
 1900
 3' tggcgtagctcgacttcccgtagctgaagttcctcctgcccgtttaggaccccgtgttcgacctcatgtgatgttgcggtgtgcagatatagtaccg
 GFP

pMSCVpuro-GFP miR-27a



pMSCVpuro-GFP miR-27a



pMSCVpuro-GFP miR-27a

5' CCGCCCCCTGACGAGCATCACAAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCC
 4800
 3' GGCGGGGGGACTGCTCGTAGTGTTTTAGCTGCGAGTTCAGTCTCCACCGCTTGGGCTGTCTGATATTTCTATGGTCCGCAAAGGGGACCTTCGAGG

5' CTCGTGCGCTCTCCTGTTCCGACCTGCCGCTTACCGGATACCTGTCCGCTTTCTCCCTTCGGGAAGCGTGGCGCTTTCTCATAGCTCACGCTGTAGGT
 4900
 3' GAGCACGCGAGAGGACAAGGCTGGGACGGCGAATGGCCTATGGACAGGCGGAAAGAGGGAAGCCCTTCGCACCGCGAAAGAGTATCGAGTGCACATCCA

5' ATCTCAGTTCGGTGTAGGTGCTTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCGTTTCAGCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTGA
 5000
 3' TAGAGTCAAGCCACATCCAGCAAGCGAGGTTTCGACCCGACACACGTGCTTGGGGGCAAGTCGGGCTGGCGACGCGAATAGGCCATTGATAGCAGAACT

5' GTCCAACCCGTAAGACACGACTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTGCTACAGAGTCTTGAAG
 5100
 3' CAGGTTGGGCCATTCTGTGCTGAATAGCGGTGACCGTCTGCGTGACCAATTGTCTAATCGTCTCGCTCCATACATCCGCCACGATGTCTCAAGAACTTC

5' TGGTGGCCTAACTACGGCTACACTAGAAGGACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCG
 5200
 3' ACCACCGGATGATGCCGATGTGATCTTCTGTGCATAAACCATAGACGCGAGACGACTTCGGTCAATGGAAGCCTTTTTCTCAACCATCGAGAACTAGGC

5' GCAAACAAACCACCGCTGGTAGCGGTGGTTTTTTTGTGTTGCAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTAC
 5300
 3' CGTTTGTGTTGGTGGCGACCATCGCCACCAAAAAACAACGTTTCGTGCTAATGCGCGTCTTTTTTCTAGAGTCTTCTAGAAAAGTAGAAAAGATG

5' GGGGTCTGACGCTCAGTGAACGAAAATCACGTTAAGGGATTTTGGTTCATGAGATTATCAAAAAGGATCTTACCTAGATCCTTTTAAATTAATAATGA
 5400
 3' CCCCAGACTGCGAGTACCTTGCTTTTGTGAGTCAATTCCCTAAAACAGTACTCTAATAGTTTTTCTAGAAAGTGGATCTAGGAAAATTAATTTTTACT

5' AGTTTTAAATCAATCTAAAGTATATATGAGTAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTCTGTT
 5500
 3' TCAAAATTTAGTTAGATTTTCATATATACTCAATTTGAACCAGACTGTCAATGGTTACGAATTAGTCACTCCGTGGATAGAGTCTGCTAGACAGATAAAGCAA

Amp Res

5' CATCCATAGTTGCCTGACTCCCCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGTGCAATGATACCGCGAGACCCACGCTC
 5600
 3' GTAGGTATCAACGGACTGAGGGGCGACACATCTATTGATGCTATGCCCTCCCGAATGGTAGACCGGGTACGACGTTACTATGGCGCTCTGGGTGCGAG

Amp Res

5' ACCGGCTCCAGATTTATCAGCAATAAACAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCCTCCATCCAGTCTATTAATGT
 5700
 3' TGGCCGAGGTCTAAATAGTCGTTATTTGGTTCGGTCCGCTTCCCGCTCGCGTCTTACCAGGACGTTGAAATAGGCGGAGGTAGGTCTAGATAATTAACA

Amp Res

5' TGCCGGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTGCGCAACGTTGTTGCCATTGCTACAGGCATCGTGGTGTACGCTCGTCTTGGTATGG
 5800
 3' ACGGCCCTTCGATCTCATTCAAGCGGTCAATATCAAACGCGTTGCAACAACGGTAACGATGTCCGTAGCACCACAGTGCAGCAGCAAAACCATACC

Amp Res

5' CTTCAATCAGCTCCGGTTCCCAACGATCAAGGCGAGTTACATGATCCCCATGTTGTGCAAAAAGCGGTTAGCTCCTTCGGTCTCCGATCGTTGTGAG
 5900
 3' GAAGTAAGTTCGAGGCCAAGGTTGCTAGTTCCGCTCAATGTACTAGGGGTACAACACGTTTTTTTCGCCAATCGAGGAAGCCAGGAGGCTAGCAACAGTC

Amp Res

