

pMIR-REPORT

Absent Sites	0	AarI,Abst,Afel,AfIII,AleI,Apal,AsiSI,Bael,Bael',BarI,Barl',BclI,BmgBI,BsgI,BstZ17I,FseI,FspAI,MauBI,MreI,NaeI,NgoMIV,PmeI,PmlI,PshAI,PspOMI,SanDI,SgrDI,SrfI,Swal
Acc65I	1	3944 (7614)
AccI	1	7079 (7614)
AgeI	1	7247 (7614)
AhdI	1	5301 (7614)
AjuI	1	2790 (7614)
AjuI'	1	2822 (7614)
Alol	1	3703 (7614)
Alol'	1	3671 (7614)
AlwNI	1	4824 (7614)
Arsl	1	2491 (7614)
Arsl'	1	2523 (7614)
AscI	1	470 (7614)
AvrII	1	7298 (7614)
BamHI	1	3679 (7614)
BplI	1	1404 (7614)
BsaBI	1	6463 (7614)
BsmI	1	6376 (7614)
BsrGI	1	3180 (7614)
Bsu36I	1	3058 (7614)
BtgZI	1	3929 (7614)
ClaI	1	2307 (7614)
CspCI	1	3893 (7614)
CspCI'	1	3858 (7614)
DraIII	1	6622 (7614)
EcoICRI	1	479 (7614)
EcoNI	1	2056 (7614)
EcoRV	1	2336 (7614)
HpaI	1	6362 (7614)
KpnI	1	3948 (7614)
MluI	1	2003 (7614)
NdeI	1	185 (7614)
NotI	1	407 (7614)
NruI	1	491 (7614)
PacI	1	2352 (7614)
PasI	1	712 (7614)
PciI	1	4408 (7614)
PfIMI	1	1657 (7614)
PspXI	1	2020 (7614)
Psrl	1	3541 (7614)
Psrl'	1	3509 (7614)
RsrII	1	7071 (7614)
SacI	1	481 (7614)
SacII	1	6978 (7614)
Sall	1	7078 (7614)
SbfI	1	7270 (7614)
Scal	1	5781 (7614)
SfiI	1	7352 (7614)
SgrAI	1	2242 (7614)
SnaBI	1	3927 (7614)
SpeI	1	908 (7614)
SspI	1	6105 (7614)
XcmI	1	2940 (7614)
XhoI	1	2020 (7614)
XmnI	1	5900 (7614)

pMIR-REPORT

5' TCGCGGTTTCGGTGTGACGGTGAAAACTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGATGCCGGGAGCAGACAAGCCCG
 100
 3' AGCGCGCAAAGCCACTACTGCCACTTTTGGAGACTGTGTACGTCGAGGGCCTCTGCCAGTGTGGAACAGACATTTCGCCTACGGCCCTCGTCTGTTTCGGGC

NdeI

5' TCAGGGCGCGTCAGCGGGTGTGGCGGGTGTGGGGCTGGCTTAACTATGCGGCATCAGAGCAGATTGTACTGAGAGTGCACCATATGCCGGTGTGAAATA
 200
 3' AGTCCCGCGCAGTCGCCACAACCGCCACAGCCCGACCGAATTGATACGCCGTAGTCTCGTCTAACATGACTCTCACGTGGTATACGCCACACTTTAT

5' CCGCACAGATGCGTAAGGAGAAAATACCGCATCAGGCGCCATTTCGCCATTTCAGGCTGCGCAACTGTTGGGAAGGGCGATCGGTGCGGGCCTCTTCGCTAT
 300
 3' GGCGTGTCTACGCATTCTCTTTATAGGCGTAGTCCGCGTAAGCGGTAAGTCCGACGCGTTGACAACCCTTCCCGTAGCCACGCCGGAGAAGCGATA

5' TACGCCAGCTGGCGAAAGGGGATGTGTGCAAGGCGATTAAAGTTGGGTAAAGCCAGGGTTTCCAGTCCAGCGTTGTAACACGACGGCCAGTGCCAA
 400
 3' ATGCGGTCGACCGCTTCCCCCTACACGACGTTCCGCTAATTCAACCCATTGCGGTCACAAAAGGGTCAGTGTGCAACATTTTGTGCGGGTCACGGTT

pMIR-REP seq fwd

NotI Ascl EcoICRI Sacl Nrul

5' GCTAGCGGCCCATACAAAAACCAACACACAGATCCAATGAAAAATAAAGATCCTTTATTAAAGCTTGGCGCGCCgagctcagtagttcgcgaccagcct
 500
 3' CGATCGCCGGCGTATGTTTTTGGTGTGTGTCTAGGTTACTTTTATTCTAGGAAATAAATTCGAACCGCGCGGctcgagtcatacagcgtggtcgga

SV40 Poly A Signal HIF3A 3' UTR

5' gggcaacatggtgaaacccgctctctatttttttttaacaaaaaaaggaaaaacaaagcctaaaatctgagttctagaaccagagagatttggg
 600
 3' cccgctgtaccacttggggcagagataaaaaaaaaaaattgttttttctcttttggatttttagactcaagatcttgggtctctctaaacc

HIF3A 3' UTR

5' aaccataagatctagaatcagaaggagttgaggggtgtaagatctaaaaccagagaaatgtataaggcaagctaaaaatcagaagatatttgaaggctg
 700
 3' ttggtattctagatcttagtcttctcaactcccaccattctagatttgggtctctttacatattccgtttcagatttttagtctctataaaacttccgac

HIF3A 3' UTR

PaeI

5' aattctagaccaggtaatttggagtcagatcttgagtgaggaggagctggaatgatgaagctagagccaagggaacttacggaatgaggtctagaa
 800
 3' ttaagatctgggtcccataaacctcagctagaactcactcctcctcgaccttactactcagatctcggttccttgatgccttactccagatctt

HIF3A 3' UTR

5' tcagaaggcacttgtaagtcagttctagaaccagagaaacagcagatcaccagatctgaaatcaggaccctggagggtggcaccttctagaagttgtgtag
 900
 3' agtcttccgtgaacatcagtcgaagatcttgggtctcttggctagtggtctagaacttagtcctgggacctccaccgtggaagatcttcaacacatc

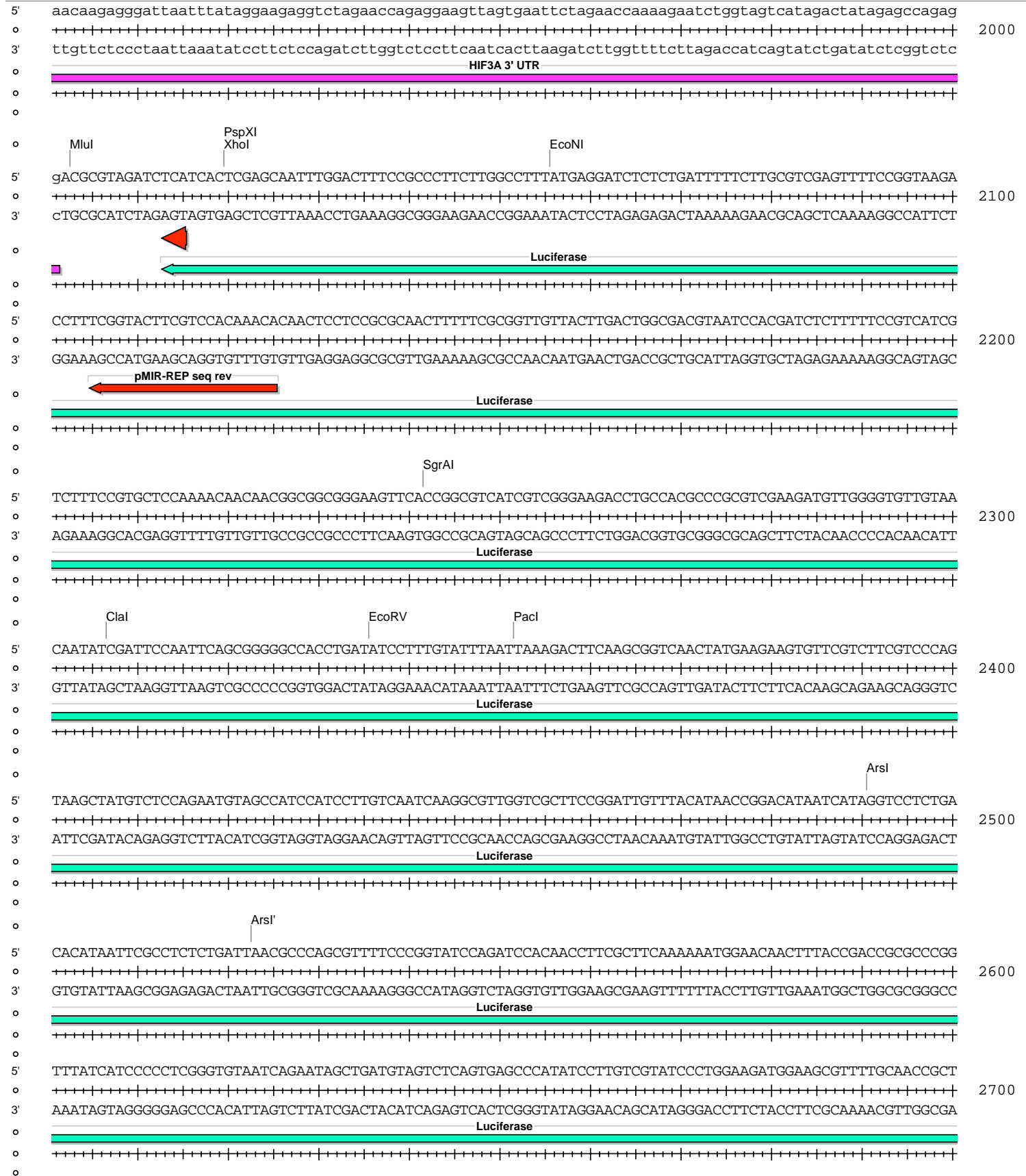
HIF3A 3' UTR

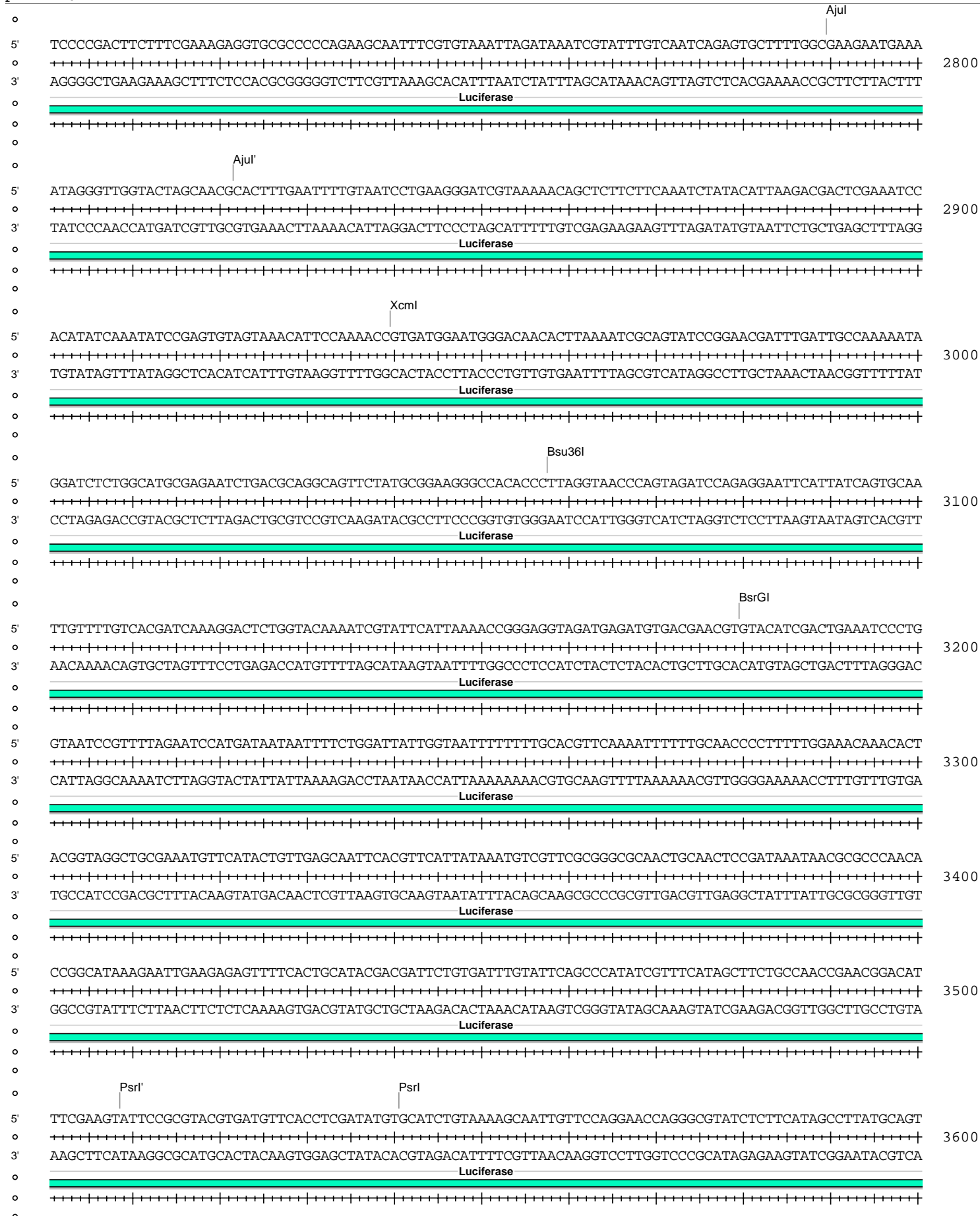
SpeI

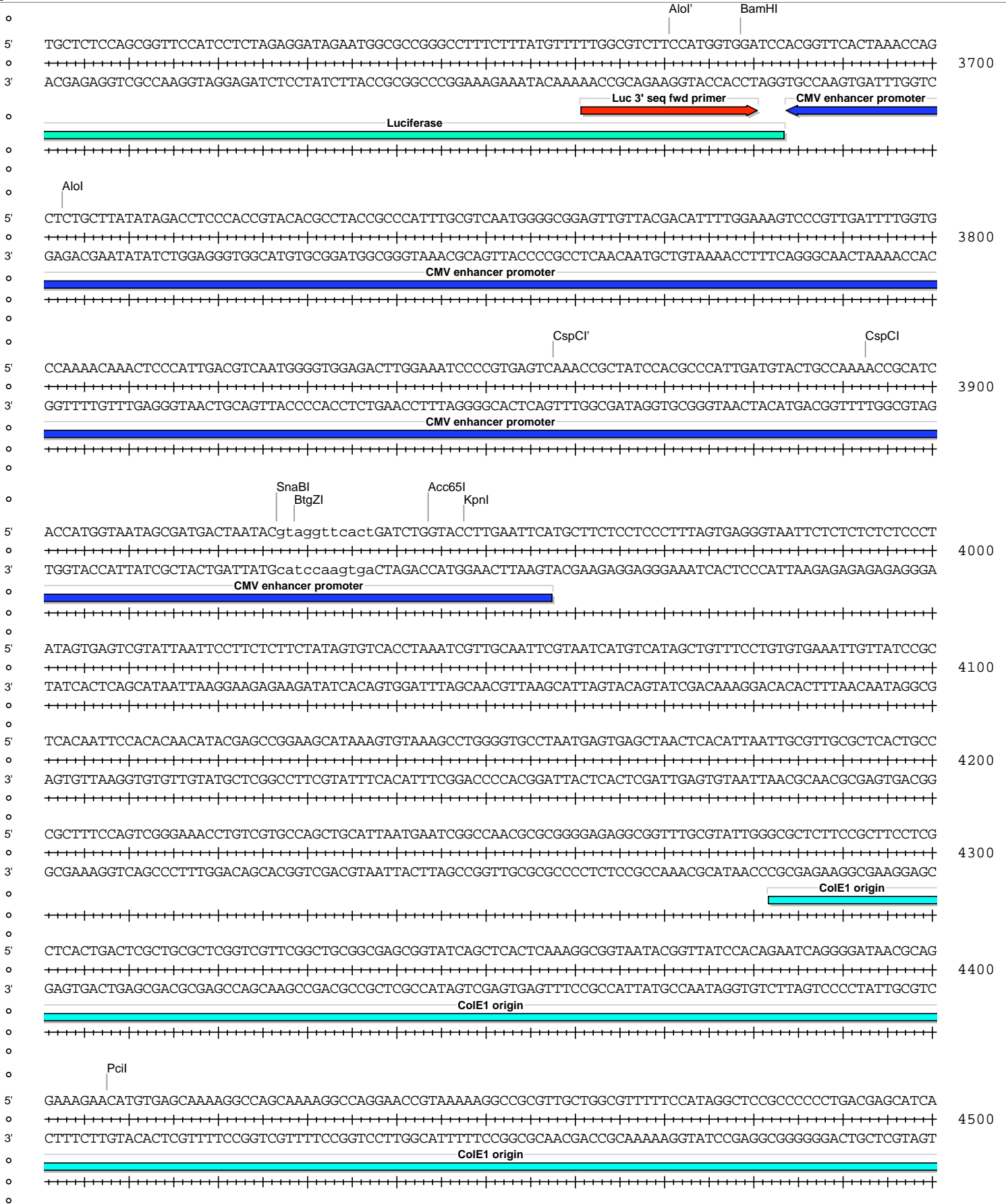
5' tctggaactagtgagtggtacaggtcatgaggttcagaatctaggagaactagagcatcgtctgggtctagaagaactggttattataagataaggacag
 1000
 3' agacctgatcactcaccatgtccagtaactccaagcttagatcctcttgatctcgtagcagaccaagatcttcttgaccaataatattctattcctgtc

miR-1... net
HIF3A 3' UTR

pMIR-REPORT







pMIR-REPORT

5' CAAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCTCGTGCGCTCTCTGTTCGG
 4600
 3' GTTTTATAGCTGCGAGTTCAGTCTCCACCCTTTGGGCTGTCTGATATTTCTATGGTCCGCAAAGGGGACCTTCGAGGGAGCACGCGAGAGGACAAGGC

ColE1 origin

5' ACCCTGCCGCTTACCGGATACCTGTCCGCTTTCTCCCTTCGGAAGCGTGGCGCTTCTCATAGCTCACGCTGTAGGTATCTCAGTTCGGTGTAGGTTCG
 4700
 3' TGGGACGGCGAATGGCCTATGGACAGGCGGAAAGAGGGAAGCCCTTCGACCCGCGAAAGAGTATCGAGTGCACATCCATAGAGTCAAGCCACATCCAGC

ColE1 origin

5' TTCGCTCCAAGCTGGGCTGTGTGCACGAACCCCGCTTCAGCCCGACCGCTGCGCCTTATCCGGTAACTATCGTCTTGAGTCCAACCCGGTAAGACACGA
 4800
 3' AAGCGAGTTTCGACCCGACACACGTGCTTGGGGGCAAGTCCGGCTGGCGACGCGGAATAGGCCATTGATAGCAGAACTCAGGTTGGGCCATTCTGTGCT

ColE1 origin

AlwNI

5' CTTATCGCCACTGGCAGCAGCCACTGGTAACAGGATTAGCAGAGCGAGGTATGTAGGCGGTCTACAGAGTCTTGAAGTGGTGGCCTAACTACGGCTAC
 4900
 3' GAATAGCGGTGACCGTCGTCGGTGACCATTGTCTTAATCGTCTCGCTCCATACATCCGCGACGATGTCTCAAGAACTTCACCACCGGATTGATGCCGATG

ColE1 origin

5' ACTAGAAGAACAGTATTTGGTATCTGCGCTCTGCTGAAGCCAGTTACCTTCGGAAAAAGAGTTGGTAGCTCTTGATCCGGCAAAAAACCACCGCTGGTA
 5000
 3' TGATCTTCTTGTCAATAACCATAGACGCGAGACGACTTCGGTCAATGGAAGCCTTTTCTCAACCATCGAGAACTAGGCCGTTTTTTTGGTGGCGACCAT

ColE1 origin

5' GCGGTGGTTTTTTTGGTTTGAAGCAGCAGATTACGCGCAGAAAAAAGGATCTCAAGAAGATCCTTTGATCTTTTCTACGGGTCTGACGCTCAGTGGAA
 5100
 3' CGCCACCAAAAAACAACGTTTCGTCGTCTAATGCGCGTCTTTTTTCTTAGAGTTCTTCTAGGAACTAGAAAAGATGCCCCAGACTGCGAGTCAACCTT

ColE1 origin

5' CGAAAACCTCACGTTAAGGGATTTTGGTCATGAGATTATCAAAAAGGATCTCACCTAGATCCTTTTAAATTAAAAATGAAGTTTAAATCAATCTAAAGT
 5200
 3' GCTTTTGGAGTGAATTCCTAAAACAGTACTCTAATAGTTTTTCTTAGAAGTGGATCTAGGAAAATTTAATTTTACTTCAAAATTTAGTTAGATTTCA

ColE1 origin



5' ATATATGAGTAAACTTGGTCTGACAGTTACCAATGCTTAATCAGTGAGGCACCTATCTCAGCGATCTGTCTATTTTCGTTTATCCATAGTTGCCTGACTCC
 5300
 3' TATATACTCATTTGAACCAGACTGTCAATGGTTACGAATTAGTCACTCCGTGGATAGAGTGCCTAGACAGATAAAGCAAGTAGGTATCAACGGACTGAGG

AMPr

AhdI

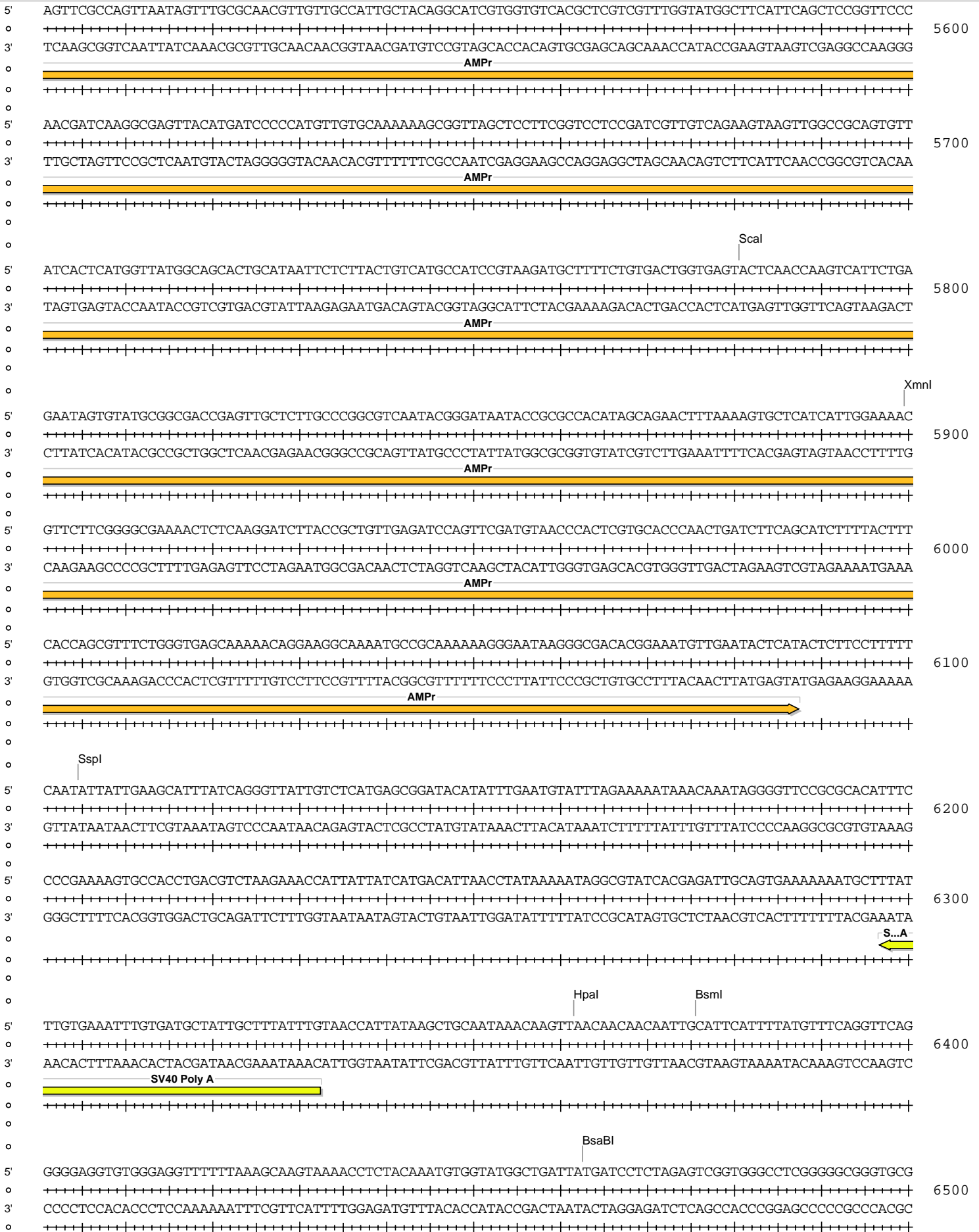
5' CCGTCGTGTAGATAACTACGATACGGGAGGGCTTACCATCTGGCCCCAGTGTGCAATGATACCGCGAGACCCACGCTCACCAGGCTCCAGATTTATCAGC
 5400
 3' GGCAGCACATCTATTGATGCTATGCCCTCCCGAATGGTAGACCGGGTACGACGTTACTATGGCGCTCTGGGTGCGAGTGGCCGAGGTCTAAATAGTTCG

AMPr

5' AATAAACAGCCAGCCGGAAGGGCCGAGCGCAGAAGTGGTCTGCAACTTTATCCGCTCCATCCAGTCTATTAATTGTTGCCGGAAGCTAGAGTAAAGT
 5500
 3' TTATTTGGTGGTTCGGCTTCCCGGCTCGCGTCTTACCAGGACGTTGAAAATAGGCGGAGGTAGGTGAGATAATTAACAACGGCCCTTCGATCTCATTCA

AMPr

pMIR-REPORT



pMIR-REPORT



