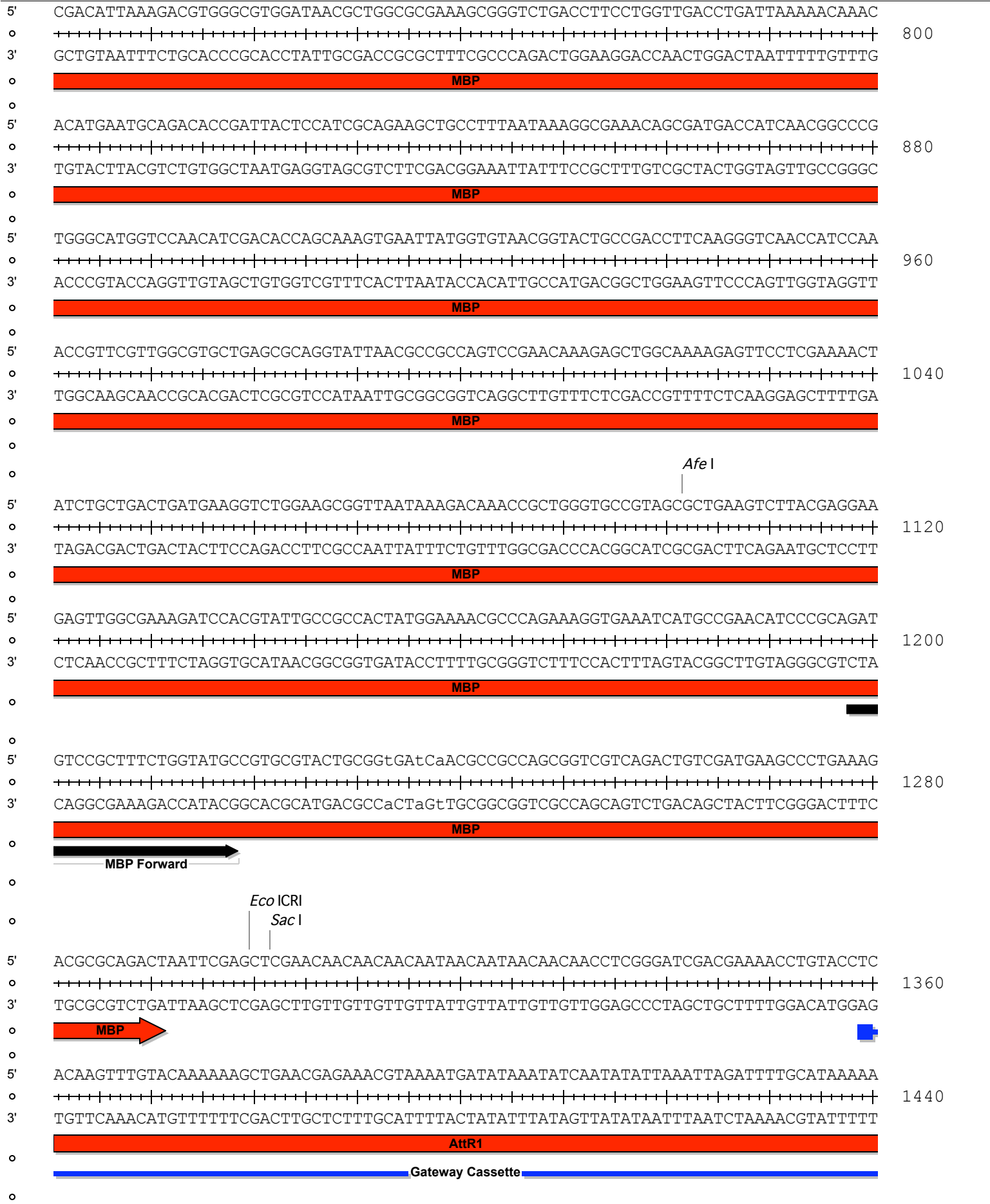
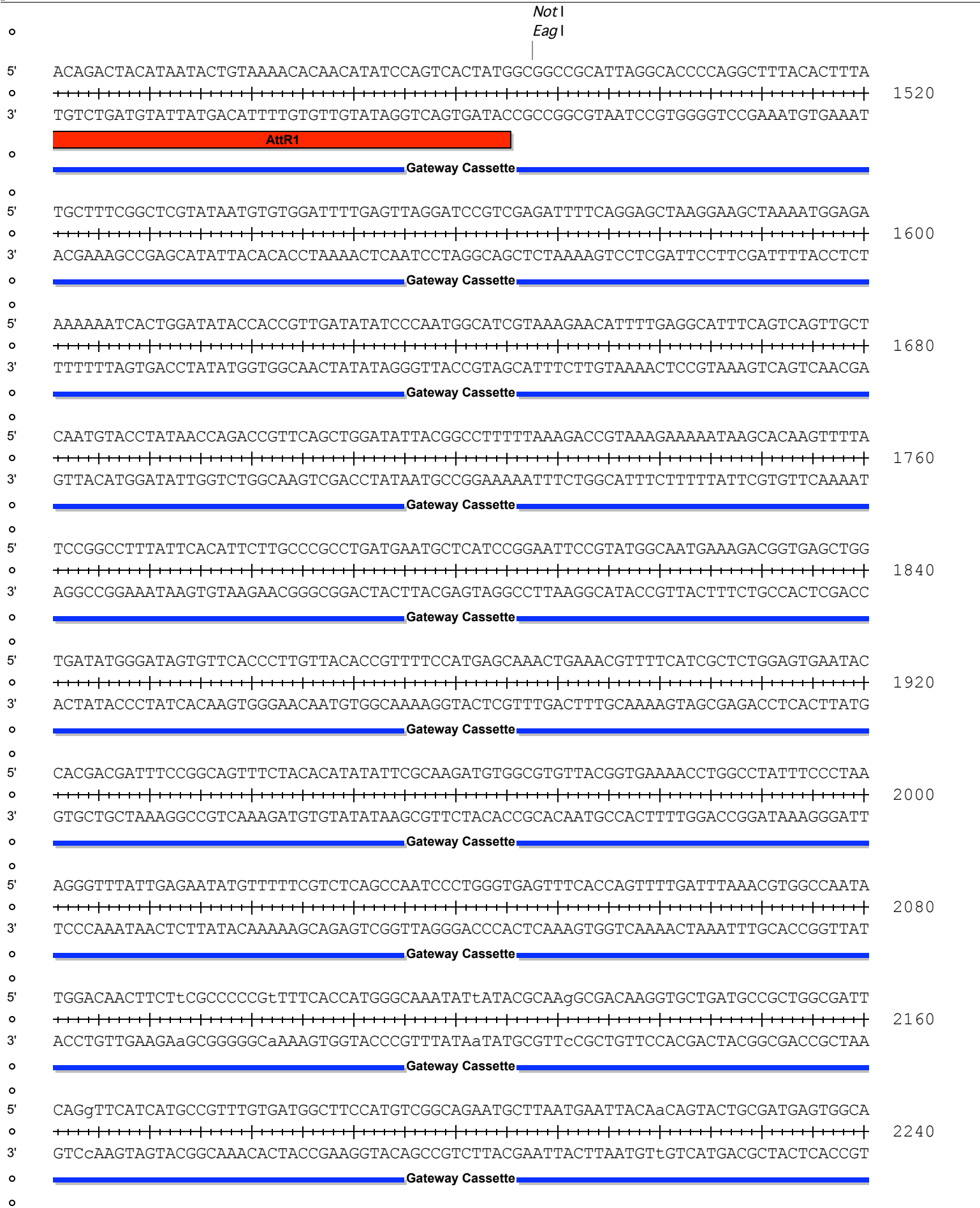
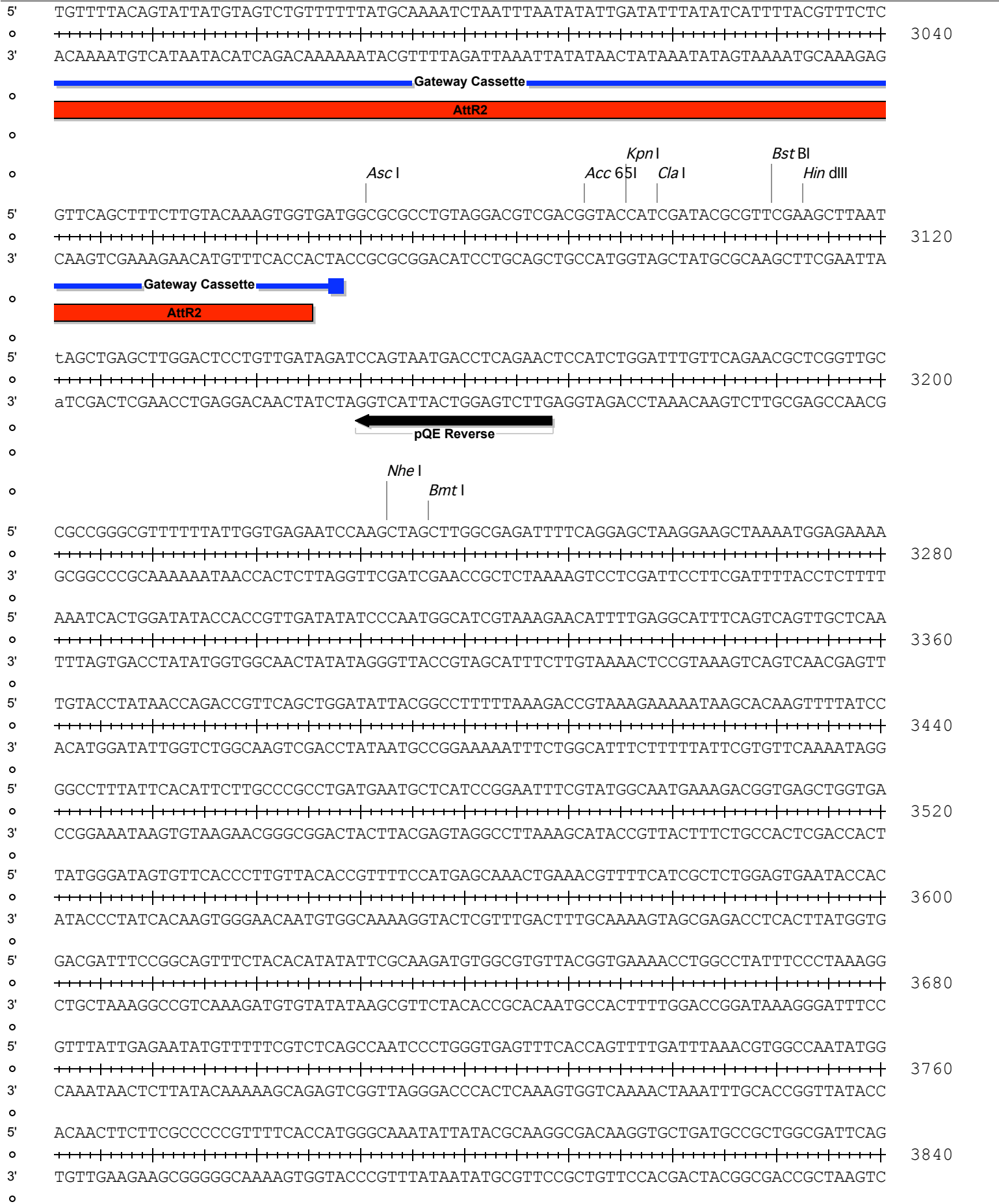


pVP13-GW



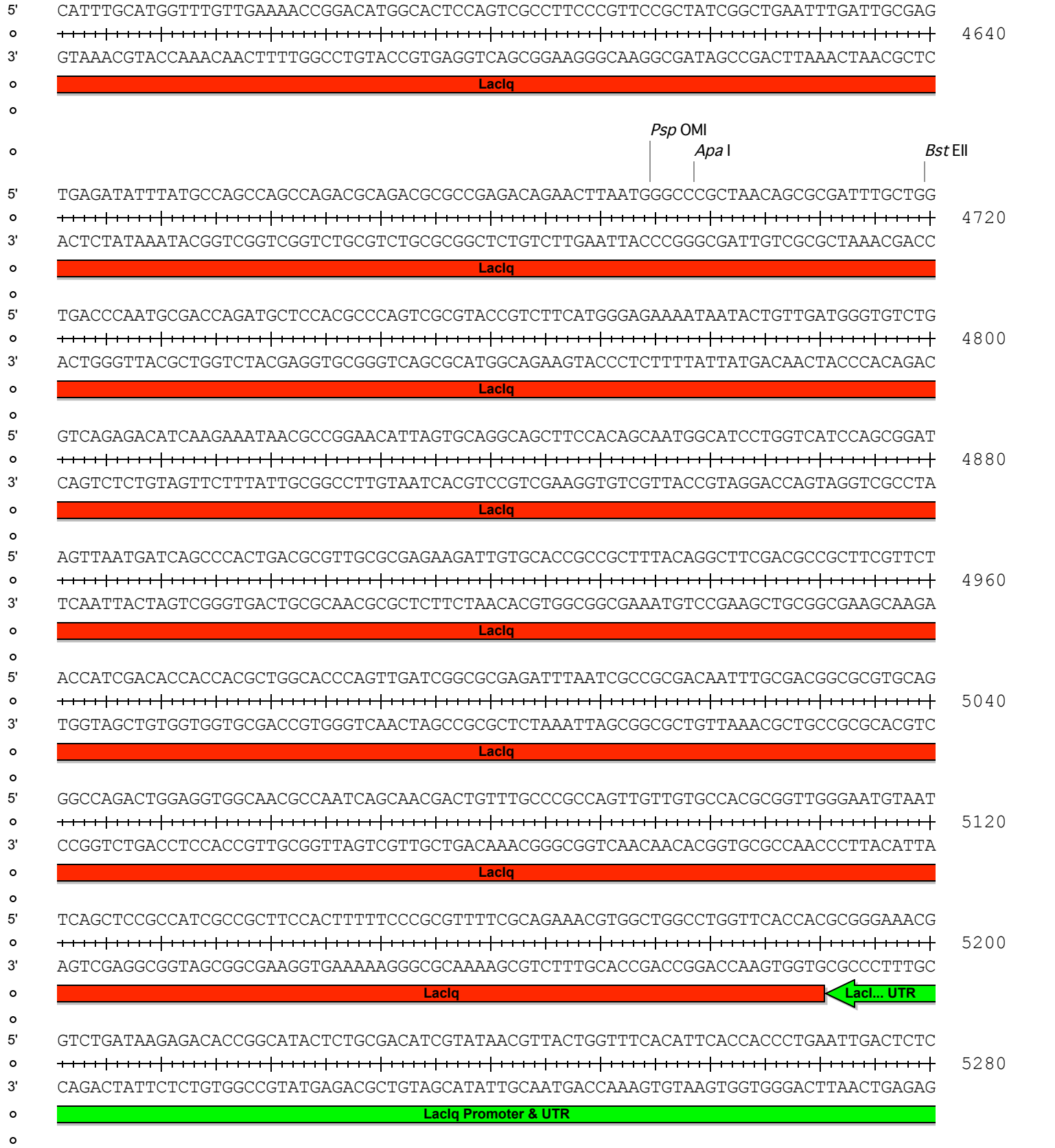


pVP13-GW



5' GTTCATCATGCCGTTTGTGATGGCTTCCATGTCCGGCAGAATGCTTAATGAATTACAACAGTACTGCGATGAGTGGCAGGG 3920
CAAGTAGTACGGCAAACACTACCGAAGGTACAGCCGTCTTACGAATTACTTAATGTTGTCATGACGCTACTCACCGTCCC
5' CGGGGCGTAATTTTTTTTAAGGCAGTTATTGGTGCCCTTAAACGCCCTGGGGTAATGACTCTCTAGCTTGAGGCATCAAATA 4000
GCCCCGCATTAAAAAAATTCCGTCAATAACCACGGGAATTTGCGGACCCCATTAAGTACGAGAGATCGAACTCCGTAGTTTAT
5' AAACGAAAGGCTCAGTCGAAAGACTGGGCCTTTCGTTTATCTGTGTTGTTGTCGGTGAACGCTCTCCTGAGTAGGACAAA 4080
TTTGCTTTCCGAGTCAGCTTCTGACCCGAAAGCAAAATAGACAACAAACAGCCACTTGCGAGAGGACTCATCCTGTTT
5' TCCGCCCTCTAGATTACGTGCAGTCGATGATAAGCTGTCAAACATGAGAATTGTGCCTAATGAGTGAGCTAACTTACATT 4160
AGGCGGGAGATCTAATGCACGTCAGCTACTATTCGACAGTTTGTACTCTTAACACGGATTACTCACTCGATTGAATGTAA
5' AATTGCGTTGCGCTCACTGCCCCTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCGCGG 4240
TTAACGCAACGCGAGTGACGGGCGAAAGGTCAGCCCTTTGGACAGCACGGTCGACGTAATTACTTAGCCGGTTGCGCGCC
LacIq
KasI
BsaXI
NarI
SfoI
BbeI
5' GGAGAGGCGGTTTTCGCTATTGGGCGCCAGGGTGGTTTTCTTTTACCAGTGAGACGGGCAACAGCTGATTGCCCTTCAC 4320
CCTCTCCGCCAAACGCATAACCCGCGGTCCCACCAAAAAGAAAAGTGGTCACTCTGCCCCTTGTCGACTAACGGGAAGTG
LacIq
HpaI
5' CGCCTGGCCCTGAGAGAGTTGCAGCAAGCGGTCCACGCTGGTTTGCCCCAGCAGGCGAAAATCCTGTTTGATGGTGGTTA 4400
GCGGACCGGACTCTCTCAACGTCGTTGCCAGGTGCGACCAACGGGGTCGTCCGCTTTTAGGACAACTACCACCAAT
LacIq
EcoRV
5' ACGGCGGGATATAACATGAGCTGTCTTCGGTATCGTCGTATCCCACTACCGAGATATCCGCACCAACGCGCAGCCCGGAC 4480
TGCCGCCCTATATTGTACTCGACAGAAGCCATAGCAGCATAGGGTGATGGCTCTATAGGCGTGGTTGCGCGTCGGGCCTG
LacIq
5' TCGGTAATGGCGCGCATTGCGCCCAGCGCCATCTGATCGTTGGCAACCAGCATCGCAGTGGGAACGATGCCCTCATTTCAG 4560
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LacIq

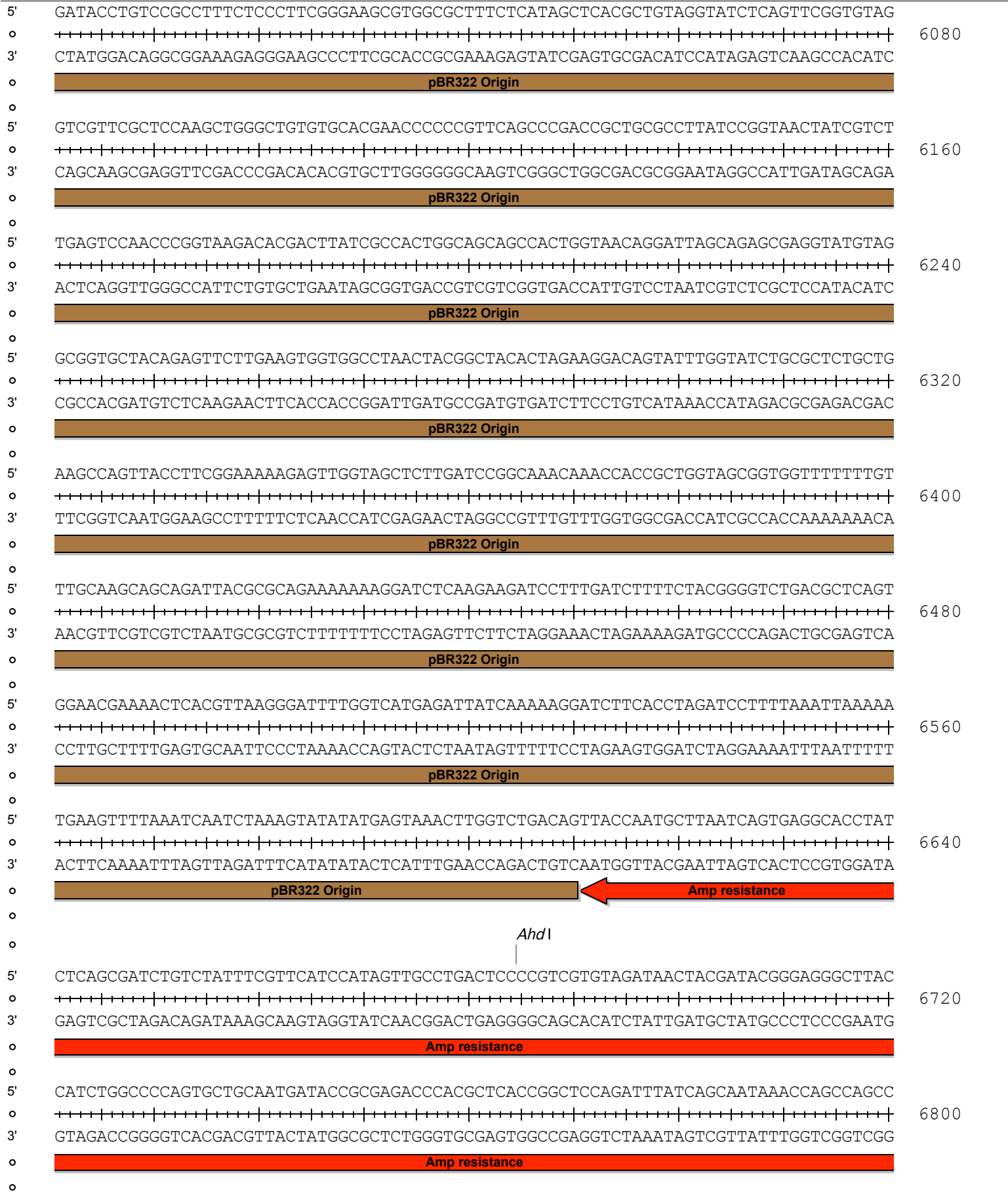
pVP13-GW



Genomic map of the pBR322 plasmid showing restriction enzyme sites and fragment sizes. The map is a circular representation with a scale from 0 to 6000 base pairs. Restriction enzyme sites are indicated by vertical lines with labels: *Ppu*MI, *Tth*111I, *Nde*I, *Sap*I, and *Pci*I. The plasmid contains several key regions: the *LacIq* Promoter & UTR (green bar), the *LacIq* ... & UTR (green bar), and the pBR322 Origin (brown bar). Fragment sizes are indicated on the right side of the map.

Restriction Enzyme	Fragment Size (bp)
<i>Ppu</i> MI	5360
<i>Tth</i> 111I	5440
<i>Nde</i> I	5600
<i>Sap</i> I	5680
<i>Pci</i> I	5760
	5840
	5920
	6000

pVP13-GW



○

6880

6960

7040

7120

7200

7280

○

7360

7440

7520

7600

○

5' TGACGTCTAAGAAACCATTATTATCATGACATTAACCTATAAAAAATAGGCGTATCACGAGGCCCTTTCGTCTTCA
 ++++++
 3' ACTGCAGATTCTTTGGTAATAATAGTACTGTAATTGGATATTTTTATCCGCATAGTGCTCCGGGAAAGCAGAAGT
 ++++++

7675