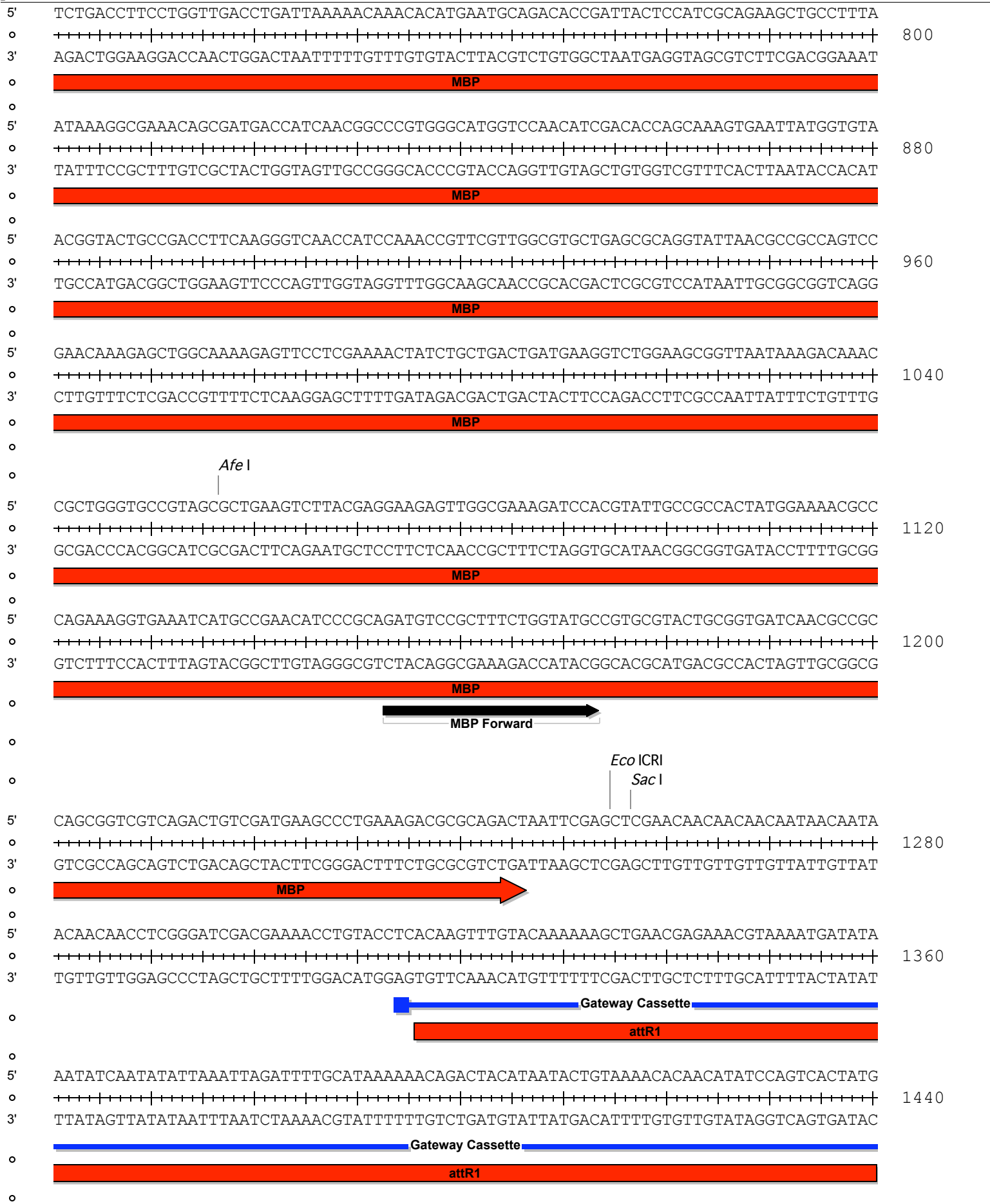
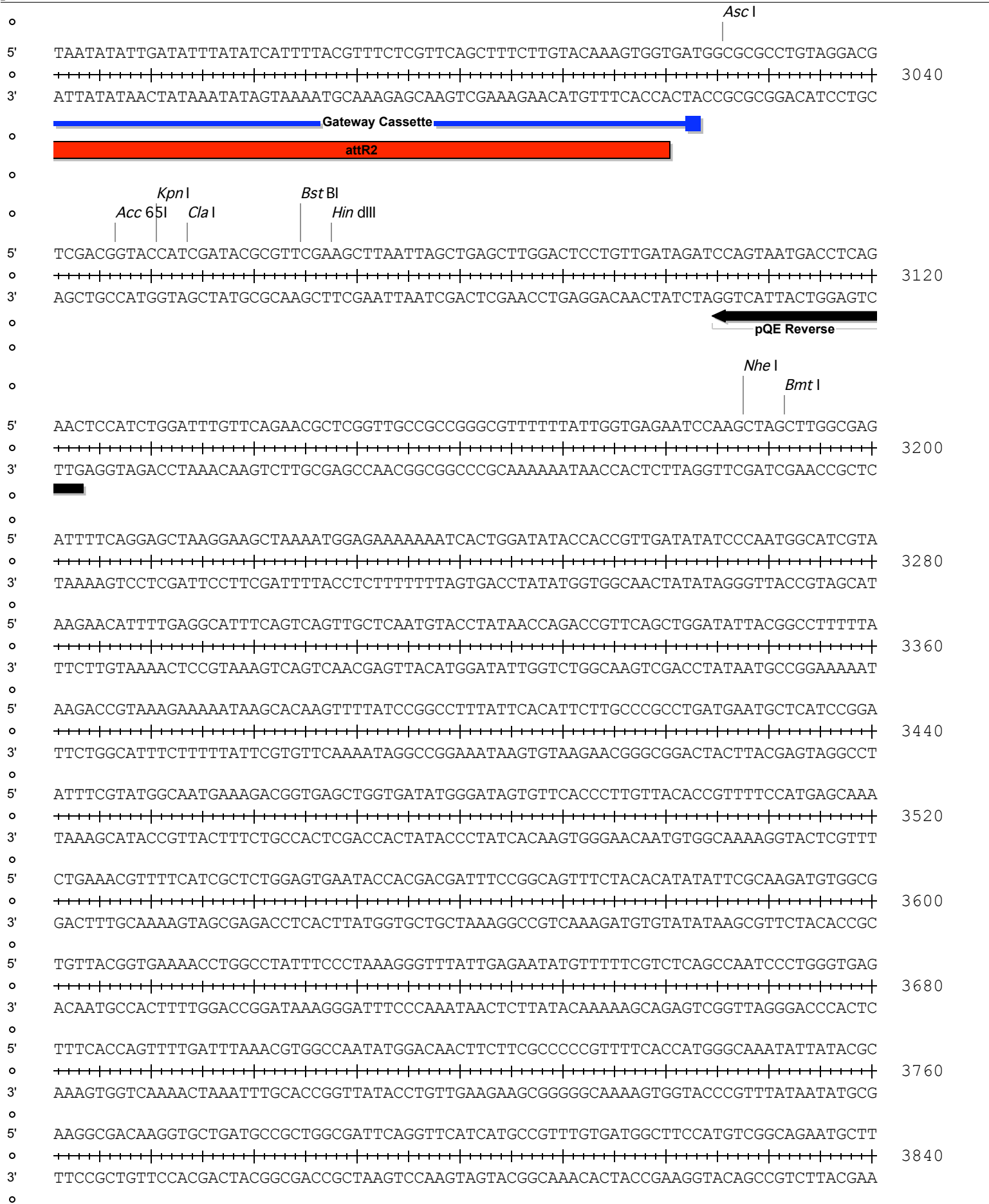


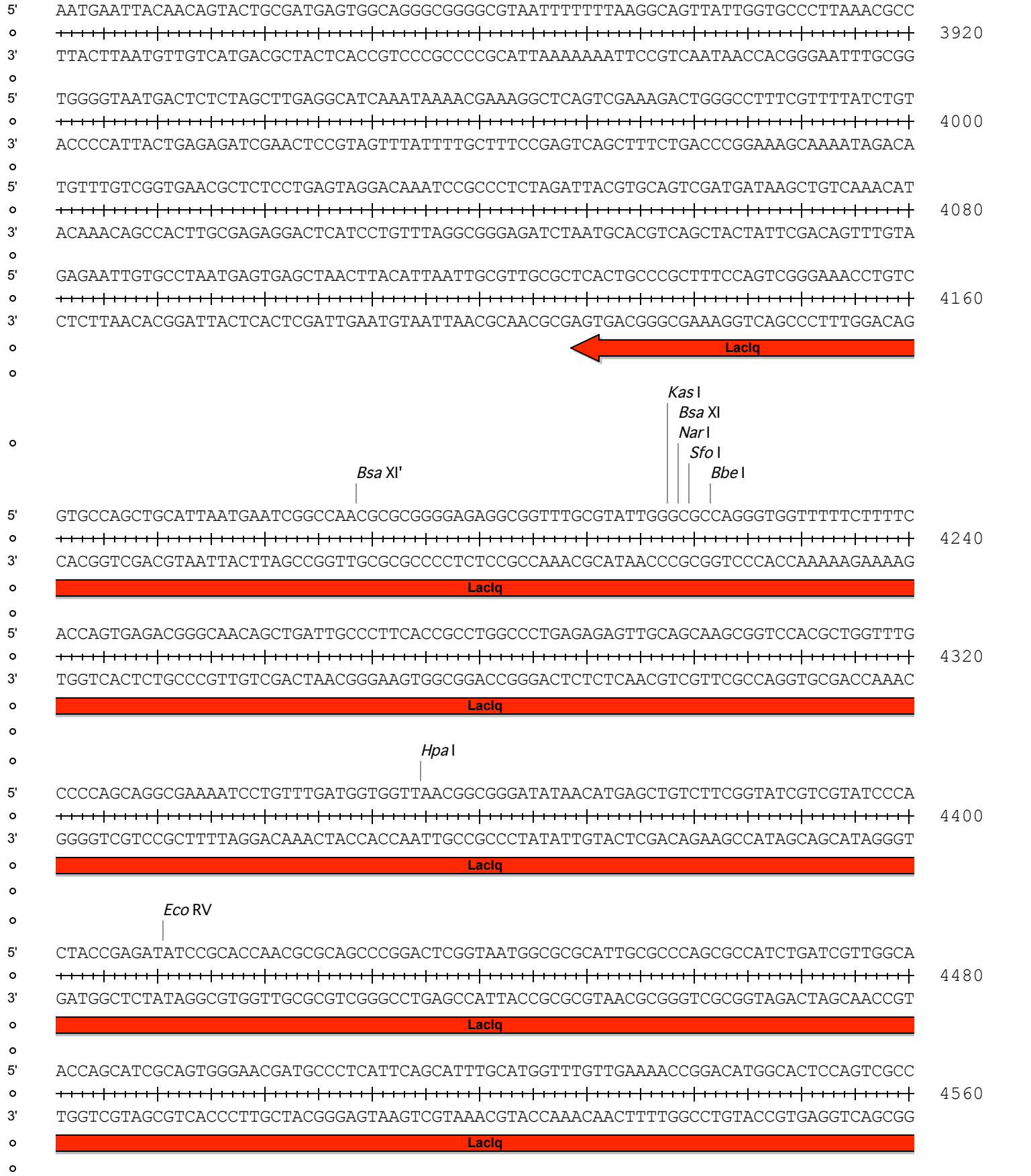
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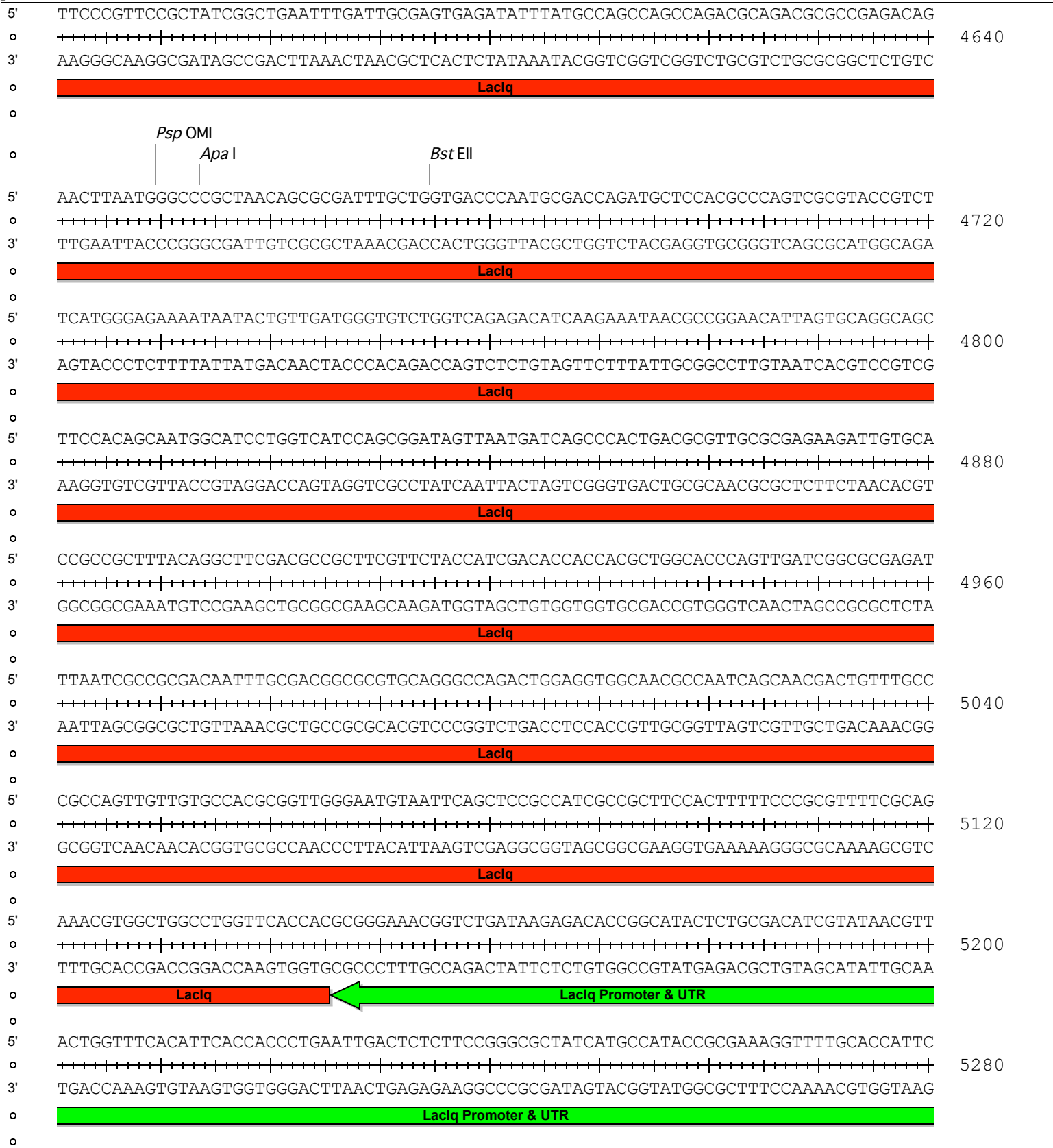


	Not I Eag I	
5'	GCGGCCGCATTAGGCACCCCAGGCTTTACACTTTATGCTTTTCGGCTCGTATAATGTGTGGATTTTGAGTTAGGATCCGTC	
+	+	1520
3'	CGCCGGCGTAATCCGTGGGGTCCGAAATGTGAAATACGAAAGCCGAGCATATTACACACCTAAAACTCAATCCTAGGCAG	
	Gateway Cassette	
5'	GAGATTTTCAGGAGCTAAGGAAGCTAAAATGGAGAAAAAATCACTGGATATAACCACGTTGATATATCCCAATGGCATC	
+	+	1600
3'	CTCTAAAAGTCTCTCGATTCTTCGATTTTACCTCTTTTTTTAGTGACCTATATGGTGGCAACTATATAGGGTTACCGTAG	
	Gateway Cassette	
5'	GTAAAGAACATTTTGAGGCATTTTCAGTCAGTTGCTCAATGTACCTATAACCAGACCGTTCAGCTGGATATTACGGCCTTT	
+	+	1680
3'	CATTTCTTGTA AAACTCCGTAAAGTCAGTCAACGAGTTACATGGATATTGGTCTGGCAAGTCGACCTATAATGCCGGA	
	Gateway Cassette	
5'	TTAAAGACCGTAAAGAAAAATAAGCACAAGTTTTATCCGGCCTTTATTACATTCTTGCCCGCTGATGAATGCTCATCC	
+	+	1760
3'	AATTTCTGGCATTCTTTTTTATTCGTGTTCAAAATAGGCCGGAATAAGTGTAAGAACGGGCGGACTACTTACGAGTAGG	
	Gateway Cassette	
5'	GGAATTCCGTATGGCAATGAAAGACGGTGAGCTGGTGATATGGGATAGTGTTACCCCTTGTTACACCGTTTTCCATGAGC	
+	+	1840
3'	CCTTAAGGCATACCGTTACTTTCTGCCACTCGACCACTATACCCTATCACAAGTGGAACAATGTGGCAAAAGGTACTCG	
	Gateway Cassette	
5'	AAACTGAAACGTTTTTCATCGCTCTGGAGTGAATACCACGACGATTTCCGGCAGTTTCTACACATATATTGCGAAGATGTG	
+	+	1920
3'	TTTGACTTTGCAAAAGTAGCGAGACCTCACTTATGGTGCTGCTAAAGGCCGTCAAAGATGTGTATATAAGCGTTCTACAC	
	Gateway Cassette	
5'	GCGTGTTACGGTGAAAACCTGGCCTATTTCCCTAAAGGGTTTATTGAGAATATGTTTTTCGTCTCAGCCAATCCCTGGGT	
+	+	2000
3'	CGCACAATGCCACTTTTGGACCGGATAAAGGGATTTCCCAAATAACTCTTATACAAAAGCAGAGTCGGTTAGGGACCCA	
	Gateway Cassette	
5'	GAGTTTCACCAAGTTTTGATTTAAACGTGGCCAATATGGACAACCTCTTCGCCCCCGTTTTACCATGGGCAAATATTATA	
+	+	2080
3'	CTCAAAGTGGTCAAAACTAAATTTGCACCGTTTATACCTGTTGAAGAAGCGGGGGCAAAAGTGGTACCCGTTTATAATAT	
	Gateway Cassette	
5'	CGCAAGGCGACAAGGTGCTGATGCCGCTGGCGATTTCAGGTTTCATCATGCCGTTTGTGATGGCTTCCATGTCCGCAGAATG	
+	+	2160
3'	GCGTTCCGCTGTTCCACGACTACGGCGACCGCTAAGTCCAAGTAGTACGGCAAACACTACCGAAGGTACAGCCGTCTTAC	
	Gateway Cassette	
5'	CTTAATGAATTACAACAGTACTGCGATGAGTGGCAGGGCGGGGCGTAAAGATCTGGATCCGGCTTACTAAAAGCCAGATA	
+	+	2240
3'	GAATTACTTAATGTTGTCATGACGCTACTCACCGTCCC GCCCGCATTTCTAGACCTAGGCCGAATGATTTTCGGTCTAT	
	Gateway Cassette	



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PpuMI

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5'GATGGTGTGCGGAATTTCTGGGTCCTGGCCACGGGTGCGCATGATCTAGAGCTGCCTCGCGCGTTTTCGGTGA

o+++++

3'CTACCACAGCCTTAAAGCCCGTCGCAACCCAGGACCGGTGCCCACGCGTACTAGATCTCGACGGAGCGCGCAAAGCCACT

o

LacIq Promoter & UTRpBR322 Origin

5'TGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGATGCCGGGAGCAGACAAG

o+++++

3'ACTGCCACTTTTGGAGACTGTGTACGTCGAGGGCCTCTGCCAGTGTGCAACAGACATTGCGCTACGGCCCTCGTCTGTTC

o

pBR322 Origin

Tth111I

5'CCCGTCAGGGCGCGTCAGCGGGTGTGGCGGGTGTGGGGCGCAGCCATGACCCAGTCACGTAGCGATAGCGGAGTGTAT

o+++++

3'GGGCAGTCCCGCGCAGTCGCCCACAACCGCCACAGCCCCGCGTCGGTACTGGGTGAGTGCATCGCTATCGCCTCACATA

o

pBR322 Origin

NdeI

5'ACTGGCTTAACTATGCGGCATCAGAGCAGATTGTACTGAGAGTGCACCATATGCGGTGTGAAATACCGCACAGATGCGTA

o+++++

3'TGACCGAATTGATACGCCGTAGTCTCGTCTAACATGACTCTCACGTGGTATACGCCACACTTTATGGCGTGTCTACGCAT

o

pBR322 Origin

SapI

5'AGGAGAAAATACCGCATCAGGCGCTCTTCCGCTTCCTCGCTCACTGACTCGCTGCGCTCGGTCTCGGCTGCGGCGAGC

o+++++

3'TCCTCTTTTATGGCGTAGTCCGCGAGAAGGCGAAGGAGCGAGTACTGAGCGACGCGAGCCAGCAAGCCGACGCCGCTCG

o

pBR322 Origin

PciI

5'GGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCACAGAATCAGGGGATAACGCAGGAAAGAACATGTGAGCAAAAG

o+++++

3'CCATAGTCGAGTGAGTTTCCGCCATTATGCCAATAGGTGTCTTAGTCCCCTATTGCGTCCTTTCTTGTACACTCGTTTTTC

o

pBR322 Origin

5'GCCAGCAAAAGGCCAGGAACCGTAAAAAGGCCGCGTTGCTGGCGTTTTTCCATAGGCTCCGCCCCCTGACGAGCATCAC

o+++++

3'CGGTGTTTTTCCGGTCCTTGGCATTTTTCCGGCGCAACGACCGCAAAAAGGTATCCGAGGCGGGGGGACTGCTCGTAGTG

o

pBR322 Origin

5'AAAAATCGACGCTCAAGTCAGAGGTGGCGAAACCCGACAGGACTATAAAGATACCAGGCGTTTCCCCCTGGAAGCTCCCT

o+++++

3'TTTTTAGCTGCGAGTTCAGTCTCCACCGCTTTGGGCTGTCCTGATATTTCTATGGTCCGCAAAGGGGGACCTTCGAGGGA

o

pBR322 Origin

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o+++++

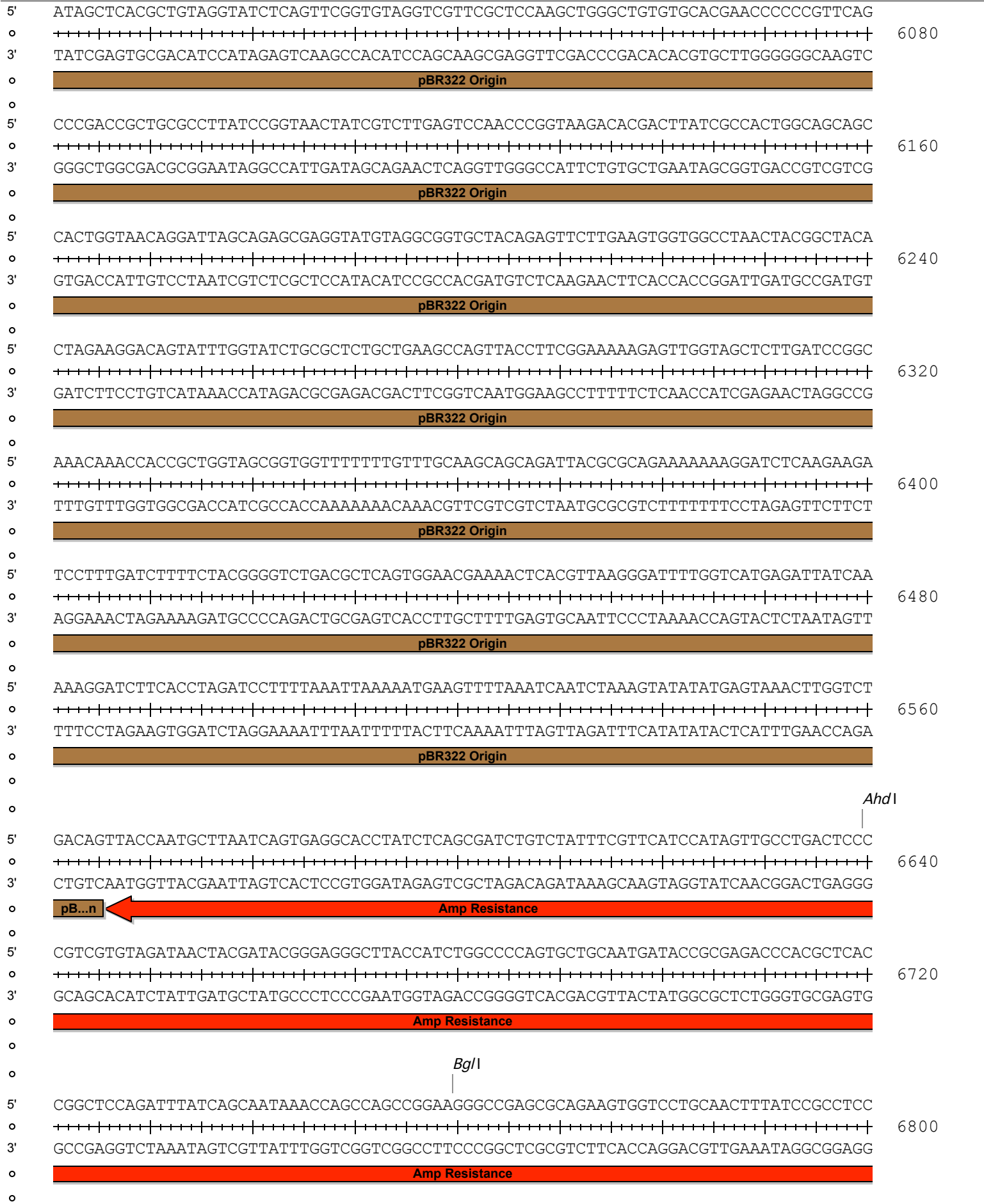
3'GCACGCGAGAGGACAAGGCTGGGACGGCGAATGGCCTATGGACAGGCGGAAAGAGGGAAGCCCTTCGCACCGCGAAAGAG

o

pBR322 Origin

o

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5'	ATCCAGTCTATTAATTGTTGCCGGAAGCTAGAGTAAGTAGTTCGCCAGTTAATAGTTTGCGCAACGTTGTTGCCATTGC	
o	+++++	6880
3'	TAGGTCAGATAATTAACAACGGCCCTTCGATCTCATTCATCAAGCGGTCAATTATCAAACGCGTTGCAACAACGGTAACG	
o	Amp Resistance	
o		
5'	TACAGGCATCGTGGTGTACGCTCGTCGTTTGGTATGGCTTCATTTCAGCTCCGGTTCCCAACGATCAAGGCGAGTTACAT	
o	+++++	6960
3'	ATGTCCGTAGCACCACAGTGCGAGCAGCAAACCATAACGAAGTAAGTCGAGGCCAAGGGTTGCTAGTTCGGCTCAATGTA	
o	Amp Resistance	
o		
5'	GATCCCCCATGTTGTGCAAAAAGCGGTTAGCTCCTTCGGTCCTCCGATCGTTGTCAGAAGTAAGTTGGCCGCGAGTGTTA	
o	+++++	7040
3'	CTAGGGGGTACAACACGTTTTTTTCGCCAATCGAGGAAGCCAGGAGGCTAGCAACAGTCTTCATTCAACCGGCGTCACAAT	
o	Amp Resistance	
o		
5'	TCACTCATGGTTATGGCAGCACTGCATAATTCTCTTACTGTCATGCCATCCGTAAGATGCTTTTCTGTGACTGGTGAGTA	
o	+++++	7120
3'	AGTGAGTACCAATACCGTCGTGACGTATTAAGAGAATGACAGTACGGTAGGCATTCTACGAAAAGACACTGACCACTCAT	
o	Amp Resistance	
o		
5'	CTCAACCAAGTCATTCTGAGAATAGTGTATGCGGCGACCGAGTTGCTCTTGCCCGGCGTCAATACGGGATAATACCGCGC	
o	+++++	7200
3'	GAGTTGGTTCAGTAAGACTCTTATCACATACGCCGCTGGCTCAACGAGAACGGGCCGCGAGTTATGCCCTATTATGGCGCG	
o	Amp Resistance	
o		
o		
	Xmn I	
5'	CACATAGCAGAACTTTAAAAGTGCTCATCATTTGAAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCGCTGTTG	
o	+++++	7280
3'	GTGTATCGTCTTGAAATTTTCACGAGTAGTAACCTTTTGCAAGAAGCCCCGCTTTTGAGAGTTCTTAGAATGGCGACAAC	
o	Amp Resistance	
o		
5'	AGATCCAGTTCGATGTAACCCACTCGTGCACCCAACTGATCTTCAGCATCTTTTACTTTCACCAGCGTTTCTGGGTGAGC	
o	+++++	7360
3'	TCTAGGTCAAGCTACATTGGGTGAGCACGTGGGTTGACTAGAAGTCGTAGAAAATGAAAGTGGTCGAAAGACCCACTCG	
o	Amp Resistance	
o		
5'	AAAAACAGGAAGGCAAAATGCCGCAAAAAGGGAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTTC	
o	+++++	7440
3'	TTTTTGTCTTCCGTTTTACGGCGTTTTTCCCTTATTCCCGCTGTGCCTTTACAACCTTATGAGTATGAGAAGGAAAAAG	
o	Amp Resistance	
o		
5'	AATATTATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATA	
o	+++++	7520
3'	TTATAATAACTTCGTAAATAGTCCCAATAACAGAGTACTCGCCTATGTATAAACTTACATAAATCTTTTTATTGTTTAT	
o		
5'	GGGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGACGTCTAAGAAACCATTATTATCATGACATTAACCTATAAAAA	
o	+++++	7600
3'	CCCCAAGGCGCGTGTAAGGGGCTTTTCACGGTGGACTGCAGATTCTTTGGTAATAATAGTACTGTAATTGGATATTTTT	
o		
5'	TAGGCGTATCACGAGGCCCTTTCGTCTTCAC	
o	+++++	7631
3'	ATCCGCATAGTGCTCCGGGAAAGCAGAAGTG	
o		