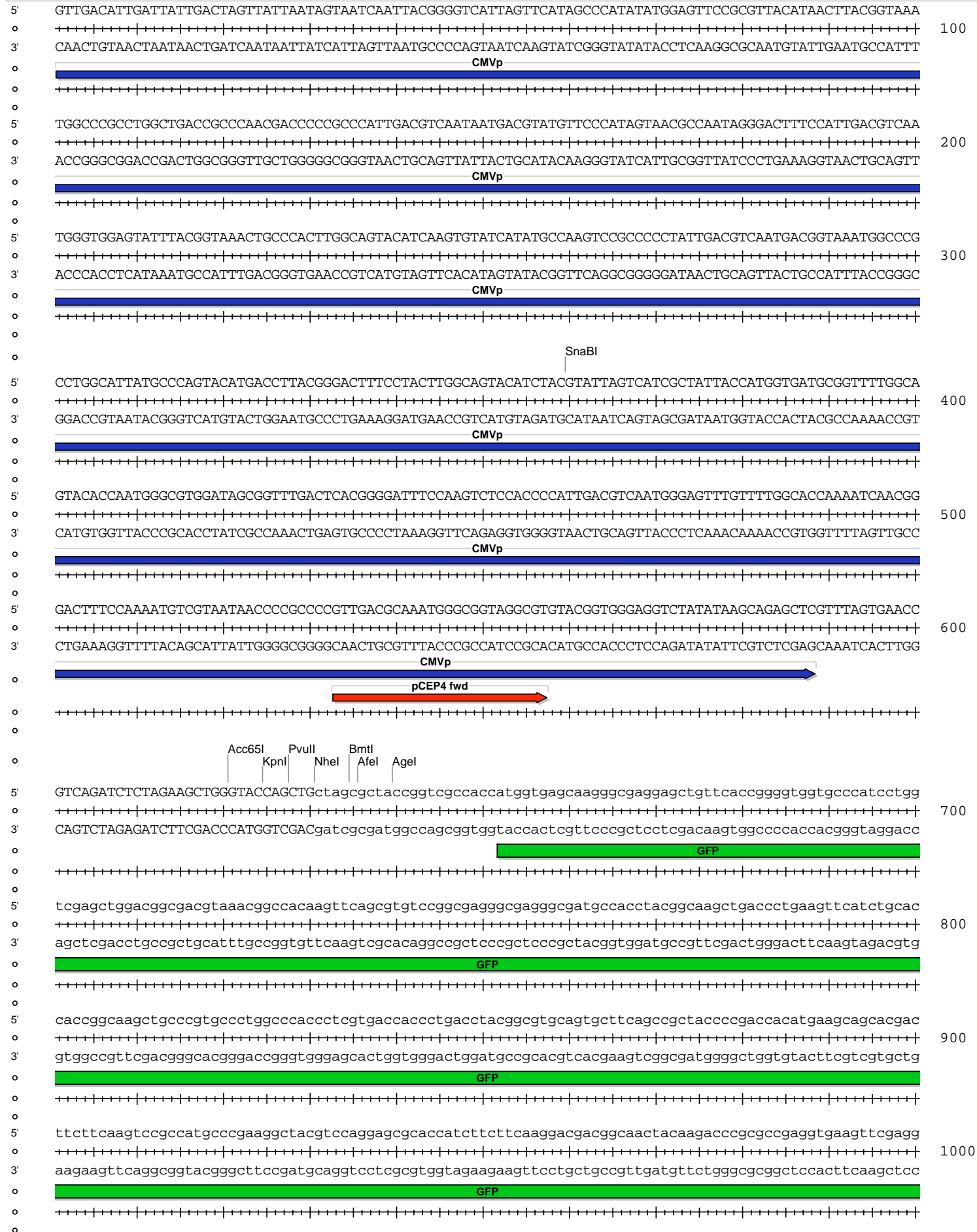


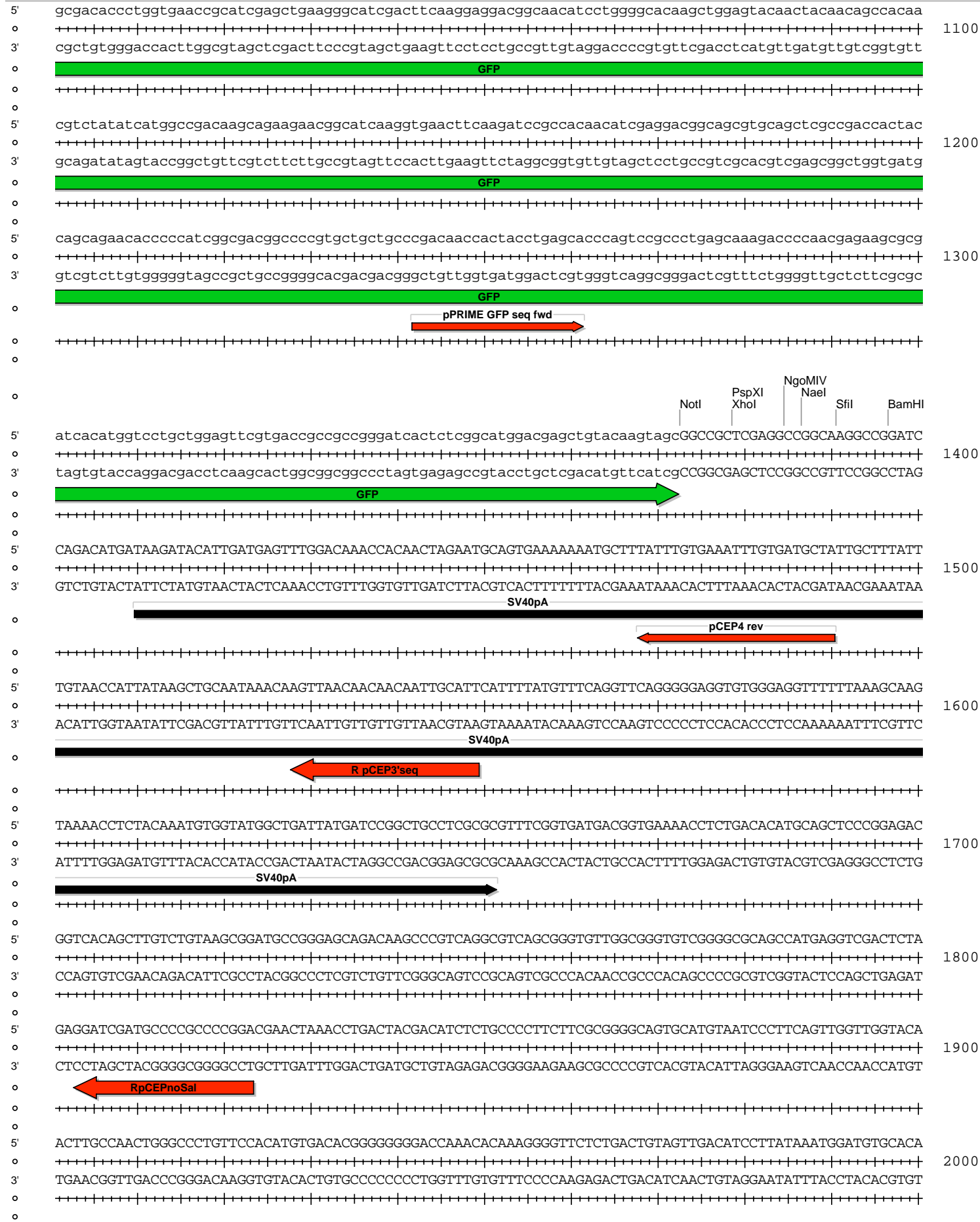
## pCEP4-GFP

| Absent Sites | 0 | AarI, AbsI, AflII, AscI, BarI, BarI', BbeI, BclI, BplI, BsiWI, BssHII, BstZ17I, FseI, FspAI, HindIII, KasI, MauBI, MreI, NarI, PacI, PmeI, PmlI, PstI, PstI', SapI, SbfI, SfoI, SgrDI, SphI, SrfI, SwaI |
|--------------|---|---|
| Acc65I       | 1 | 621   |
| AfeI         | 1 | 636   |
| AgeI         | 1 | 640   |
| AjuI         | 1 | 9848  |
| AjuI'        | 1 | 9816  |
| Alol         | 1 | 2661  |
| Alol'        | 1 | 2629  |
| AsiSI        | 1 | 9499  |
| AvrII        | 1 | 6228  |
| BaeI         | 1 | 2867  |
| BaeI'        | 1 | 2834  |
| BamHI        | 1 | 1397  |
| BbvCI        | 1 | 4553  |
| BmtI         | 1 | 635   |
| BstBI        | 1 | 8986  |
| BstEII       | 1 | 6593  |
| EcoNI        | 1 | 6588  |
| EcoRV        | 1 | 2387  |
| KpnI         | 1 | 625   |
| NaeI         | 1 | 1387  |
| NgoMIV       | 1 | 1385  |
| NheI         | 1 | 631   |
| NotI         | 1 | 1373  |
| NruI         | 1 | 8685  |
| NsiI         | 1 | 3938  |
| PshAI        | 1 | 9162  |
| PspXI        | 1 | 1379  |
| PvuII        | 1 | 628   |
| SexAI        | 1 | 4112  |
| SfiI         | 1 | 1391  |
| SgrAI        | 1 | 4754  |
| SnaBI        | 1 | 360   |
| StuI         | 1 | 6517  |
| XhoI         | 1 | 1379  |
| XmnI         | 1 | 7084  |

pCEP4-GFP



pCEP4-GFP



pCEP4-GFP

5' TTTGCCAACACTGAGTGGCTTTCATCCTGGAGCAGACTTTGCAGTCTGTGGACTGCAACACAACATTCGCTTTATGTGTAACCTCTGGCTGAAGCTCTTA  
 2100  
 3' AAACGGTTGTGACTCACCGAAAGTAGGACCTCGTCTGAAACGTCAGACACCTGACGTTGTGTTGTAACGGAAATACACATTGAGAACCGACTTCGAGAAT  
 OriP

5' CACCAATGCTGGGGGACATGTACCTCCCAGGGGCCAGGAAGACTACGGGAGGTACACCAACGTC AATCAGAGGGCCTGTGTAGCTACCGATAAGCGG  
 2200  
 3' GTGGTTACGACCCCTGTACATGGAGGGTCCCCGGGTCTTCTGATGCCCTCCGATGTGGTTGCAGTTAGTCTCCCCGGACACATCGATGGCTATTTCGCC  
 OriP

5' ACCCTCAAGAGGGCATTAGCAATAGTGTTTATAAGGCCCCCTTGTAAACCTAAACGGGTAGCATATGCTTCCCGGTAGTAGTATATACTATCCAGACT  
 2300  
 3' TGGGAGTTCTCCCGTAATCGTTATC ACAAATATCCGGGGGAACAATTGGGATTTGCCCATCGTATACGAAGGGCCCATCATCATATATGATAGGCTCTGA  
 OriP

5' AACCTAATCAATAGCATATGTTACCCAACGGGAAGCATATGCTATCGAATTAGGGTTAGTAAAAGGGTCTTAAGGAACAGCGATATCTCCCACCCCAT  
 2400  
 3' TTGGGATTAAGTTATCGTATACAATGGGTTGCCCTTCGTATACGATAGCTTAATCCCAATCATTTTCCAGGATTCCTTGTGCTATAGAGGGTGGGGTA  
 OriP  
 EcoRV

5' GAGCTGTCACGGTTTTATTTACATGGGGTCAGGATTCACGAGGGTAGTGAACCATTTTAGTCACAAGGGCAGTGGCTGAAGATCAAGGAGCGGGCAGTG  
 2500  
 3' CTCGACAGTGCCAAAATAAATGTACCCAGTCCTAAGGTGCTCCCATCACTTGGTAAAATCAGTGTCCCGTCACCGACTTCTAGTTCCTCGCCCGTAC  
 OriP

5' AACTCTCTGAATCTTCGCCTGCTTCTTCATTCTCCTTCGTTTAGCTAATAGAATAACTGCTGAGTTGTGAACAGTAAGGTGTATGTGAGGTGCTCGAAA  
 2600  
 3' TTGAGAGGACTTAGAAGCGGACGAAGAAGTAAGAGGAAGCAAATCGATTATCTTATTGACGACTCAACACTTGTCAATCCACATACACTCCACGAGCTTT  
 OriP

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 2700  
 3' TGTTCCAAAGTCCACTGCGGGGTCTTATTTAAACCTGCCCCCAAGTCACCACCGTAACACGATACTGTGGTTATATTGGGAGTGTTTGGGGAACCCG  
 OriP  
 AclI' AclI'

5' AATAAATACTAGTGTAGGAATGAAACATTCTGAATATCTTTAACAATAGAAATCCATGGGGTGGGGACAAGCCGTAAGACTGGATGTCCATCTCACACG  
 2800  
 3' TTATTTATGATCACATCCTTACTTTGTAAGACTTATAGAAATGTTATCTTTAGGTACCCACCCCTGTTCCGGCATTTCTGACCTACAGGTAGAGTGTGC  
 OriP

5' AATTTATGGCTATGGGCAACACATAATCCTAGTGCAATATGATACTGGGGTTATTAAGATGTGTCCCAGGCAGGGACCAAGACAGGTGAACCATGTTGTT  
 2900  
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 OriP  
 BaeI' BaeI'

5' ACACTCTATTTGTAACAAGGGGAAAGAGAGTGGACGCCGACAGCAGCGGACTCCACTGGTTGTCTTAACACCCCCGAAAATTAACGGGGCTCCACGCC  
 3000  
 3' TGTGAGATAAACATGTTCCCTTTCTCTCACCTGCGGCTGTCGTGCTGAGGTGACCAACAGAGATTGTTGGGGGCTTTTAAATTTGCCCCGAGGTGCGG  
 OriP

pCEP4-GFP

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 3' TTACCCCGGGTATTTGTTTCTGTTTACCCGGTGAGAAAAAACTTTAACACCTCACCCCGTGCAGTCGGGGGTGTGCGGCGGGACGCCAAAACCTGA  
 OriP

5' GTAAAATAAGGGTGAATAAAGTGGCTGATGTAACCCCGCTAACCACTGCGGTCAAACCACTGCCACAAAACCACTAATGGCACCCCGGGGAATACC 3200  
 3' CATTTTATCCACATTATTGAACCGACTAACATTGGGGCGATTGGTGACGCCAGTTTGGTGAACGGGTGTTTGGTGATTACCGTGGGGCCCTTATGG  
 OriP

5' TGCATAAGTAGGTGGGCGGGCCAAGATAGGGGCGCGATTGCTGCGATCTGGAGGACAAATTACACACACTTGCGCCTGAGCGCCAAGCACAGGGTTGTTG 3300  
 3' ACGTATTCATCCACCCCGCGGTTCTATCCCCGCGCTAACGACGCTAGACCTCTGTTTAAATGTGTGTGAACGCGGACTCGCGGTTCTGTGCCAAC  
 OriP

5' GTCCTCATATTCACGAGGTGCTGAGAGCACGGTGGGCTAATGTTGCCATGGGTAGCATATACTACCCAAATATCTGGATAGCATATGCTATCCTAATCT 3400  
 3' CAGGAGTATAAGTGTCCAGCGACTCTCGTGCCACCCGATTACAACGGTACCCATCGTATATGATGGGTTTATAGACCTATCGTATACGATAGGATTAGA  
 OriP

5' ATATCTGGGTAGCATAGGCTATCCTAATCTATATCTGGGTAGCATATGCTATCCTAATCTATATCTGGGTAGTATATGCTATCCTAATTTATATCTGGGT 3500  
 3' TATAGACCCATCGTATCCGATAGGATTAGATATAGACCCATCGTATACGATAGGATTAGATATAGACCCATCATATACGATAGGATTAATATAGACCCA  
 OriP

5' AGCATAGGCTATCCTAATCTATATCTGGGTAGCATATGCTATCCTAATCTATATCTGGGTAGTATATGCTATCCTAATCTGTATCCGGGTAGCATATGCT 3600  
 3' TCGTATCCGATAGGATTAGATATAGACCCATCGTATACGATAGGATTAGATATAGACCCATCATATACGATAGGATTAGACATAGGCCATCGTATACGA  
 OriP

5' ATCCTAATAGAGATTAGGGTAGTATATGCTATCCTAATTTATATCTGGGTAGCATATACTACCCAAATATCTGGATAGCATATGCTATCCTAATCTATAT 3700  
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 OriP

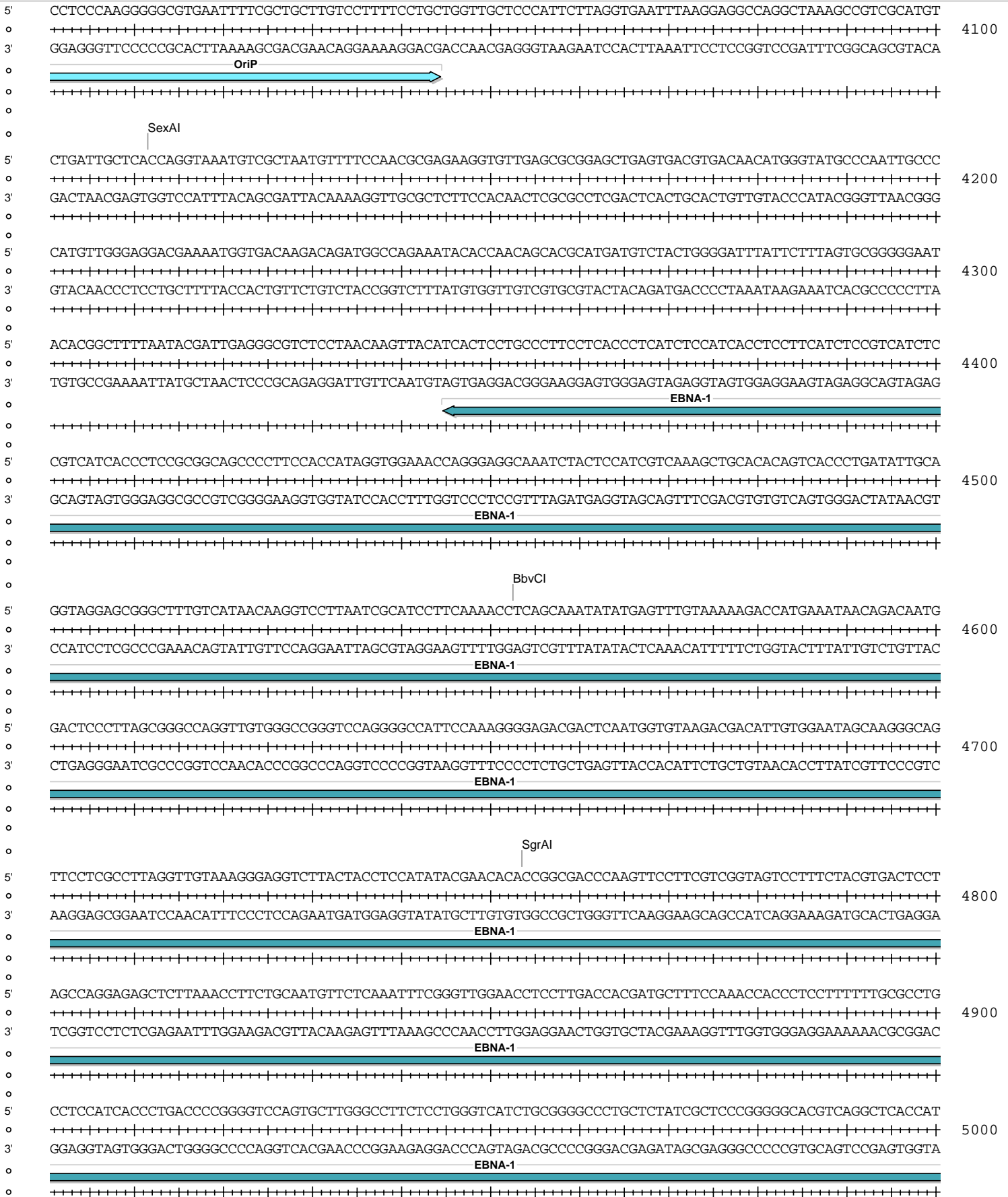
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 OriP

5' TATGCTATCCTAATTTATATCTGGGTAGCATAGGCTATCCTAATCTATATCTGGGTAGCATATGCTATCCTAATCTATATCTGGGTAGTATATGCTATCC 3900  
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 OriP

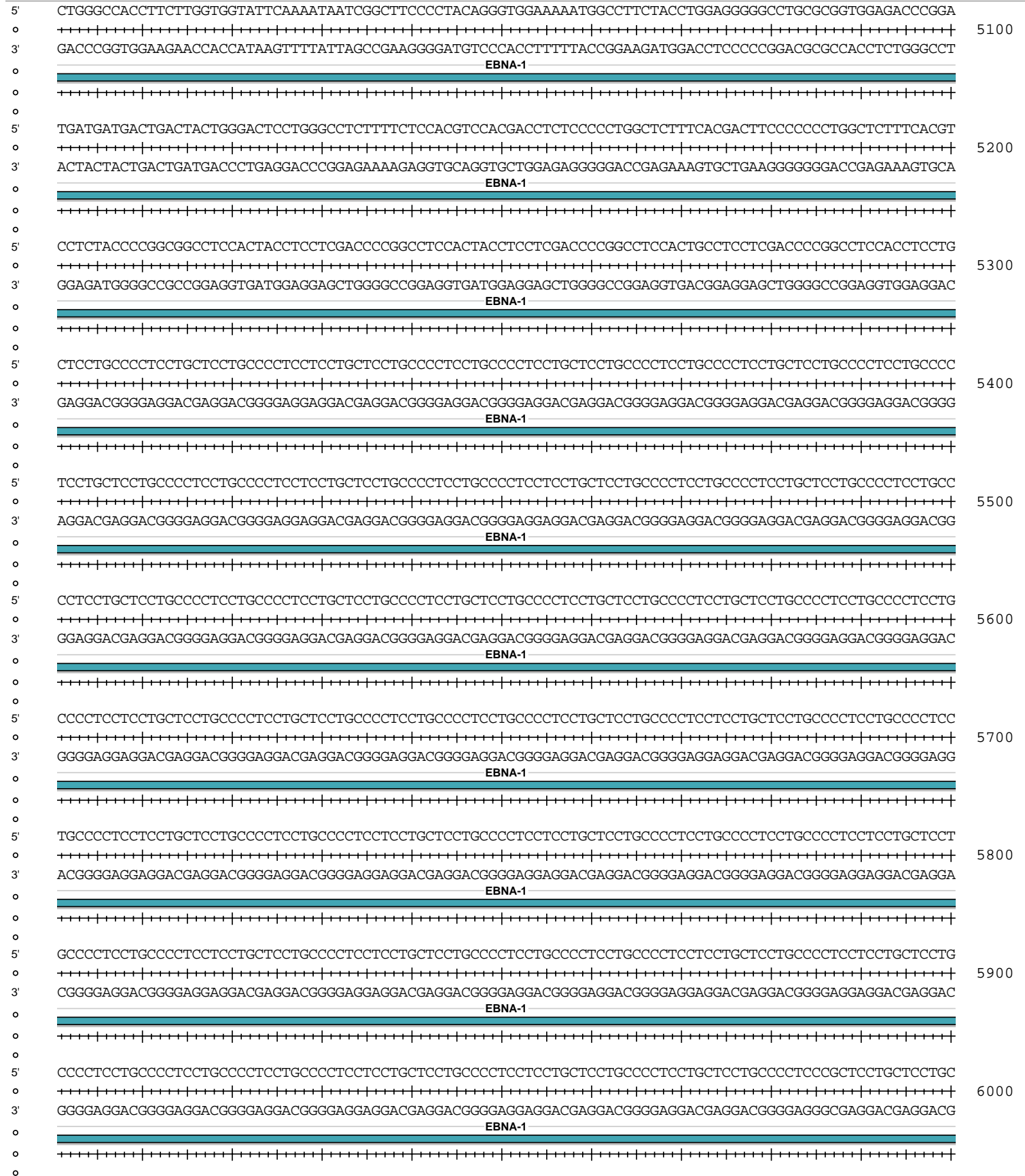
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 3' ATTAGACATAGGCCCATCGTATACGATAGGAGTACGTATATGTCAGTCGTATACTATGGGTATCATCTCACCCCTCAGATAGGAAACGTATACGGCGGT  
 OriP

NsiI

pCEP4-GFP



pCEP4-GFP





pCEP4-GFP

5' TCCTGTTCCACCGTGGTCCCTTTGCAGCCAATGCAACTTGGACGTTTTTGGGGTCTCCGGACACCATCTCTATGTCTTGGCCCTGATCCTGAGCCGCC 6100  
 3' AGGACAAGGTGGCACCCAGGAAACGTCCGTTACGTTGAACCTGCAAAAACCCAGAGGCCTGTGGTAGAGATACAGAACCGGGACTAGGACTCGGCGGG

EBNA-1

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5' GGGGCTCCTGGTCTTCCGCCTCCTCGTCCCTCGTCCATGGTTATCACCCCTCTCTTTGAGGTCCACTGCCGCCGGAGCCTT 6200  
 3' CCCCAGGACCAGAAGGCGGAGGAGCAGGAGCAGGAGAAGGGCAGGAGCAGGTACCAATAGTGGGGGAGAAGAACTCCAGGTGACGGCGCCCTCGGAA

EBNA-1

AvrII

5' CTGGTCCAGATGTGTCTCCCTTCTCTCCTAGGCCATTTCAGGTCTGTACCTGGCCCTCGTCAGACATGATTCCACTAAAAGAGATCAATAGACATC 6300  
 3' GACCAGGTCTACACAGAGGAAGAGAGGATCCGGTAAAGGTCCAGGACATGGACCGGGGAGCAGTCTGTACTAAGTGTGATTTTCTCTAGTTATCTGTAG

EBNA-1

5' TTTATTAGACGACGCTCAGTGAATACAGGGAGTGCAGACTCCTGCCCCCTCCACAGCCCCCCCACCTCATCCCCCTTCATGGTCCGCTGTGACAGATC 6400  
 3' AAATAATCTGCTGCGAGTCACTTATGTCCCTCACGTCTGAGGACGGGGAGGTTGTTCGGGGGGTGGGAGTAGGGGAAGTACCAGCGACAGTCTGTCTAG

5' CAGGTCTGAAAATCCCCATCCTCCGAACCATCCTCGTCCCTCATACCAATTACTCGCAGCCCGAAAACCTCCCGTGAACATCCTCAAGATTTGCGTCC 6500  
 3' GTCCAGACTTTTAAAGGGTAGGAGGCTTGGTAGGAGCAGGAGTAGTGGTTAATGAGCGTCCGGCCCTTTGAGGGCGACTTGTAGGAGTTCTAAACGCAGG

StuI

EcoNI

BstEII

5' TGAGCCTCAAGCCAGGCCTCAAATTCCTCGTCCCCCTTTTGTGCTGGACGGTAGGGATGGGGATTCTCGGGACCCCTCCTCTTCTTCAAGGTCACCAG 6600  
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5' ACAGAGATGCTACTGGGGCAACGGAAGAAAAGCTGGGTGCGGCCTGTGAGGATCAGCTTATCGATGATAAGCTGTCAAACATGAGAATCTTGAAGACGA 6700  
 3' TGTCTCTACGATGACCCCGTTGCCTTCTTTTCGACCACGCCGGACACTCCTAGTCGAATAGCTACTATTGACAGTTTGTACTCTTAAGAACTTCTGCT

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5' CTATTTGTTTATTTTCTAAATACATTCAAATATGTATCCGCTCATGAGACAATAACCCCTGATAAATGCTTCAATAATATTGAAAAGGAAGATATGAG 6900  
 3' GATAAACAAATAAAAAGATTTATGTAAGTTTATACATAGGCGAGTACTCTGTTATTGGGACTATTTACGAAGTTATTATAACTTTTTCCTTCTCATACTC

AM...R

5' TATTCACATTTCCGTGTCGCCCTTATTCCCTTTTTTGCGGCATTTCCTTCTGTTTGTCTACCCAGAAACGCTGGTGAAAAGTAAAAGATGCTGAA 7000  
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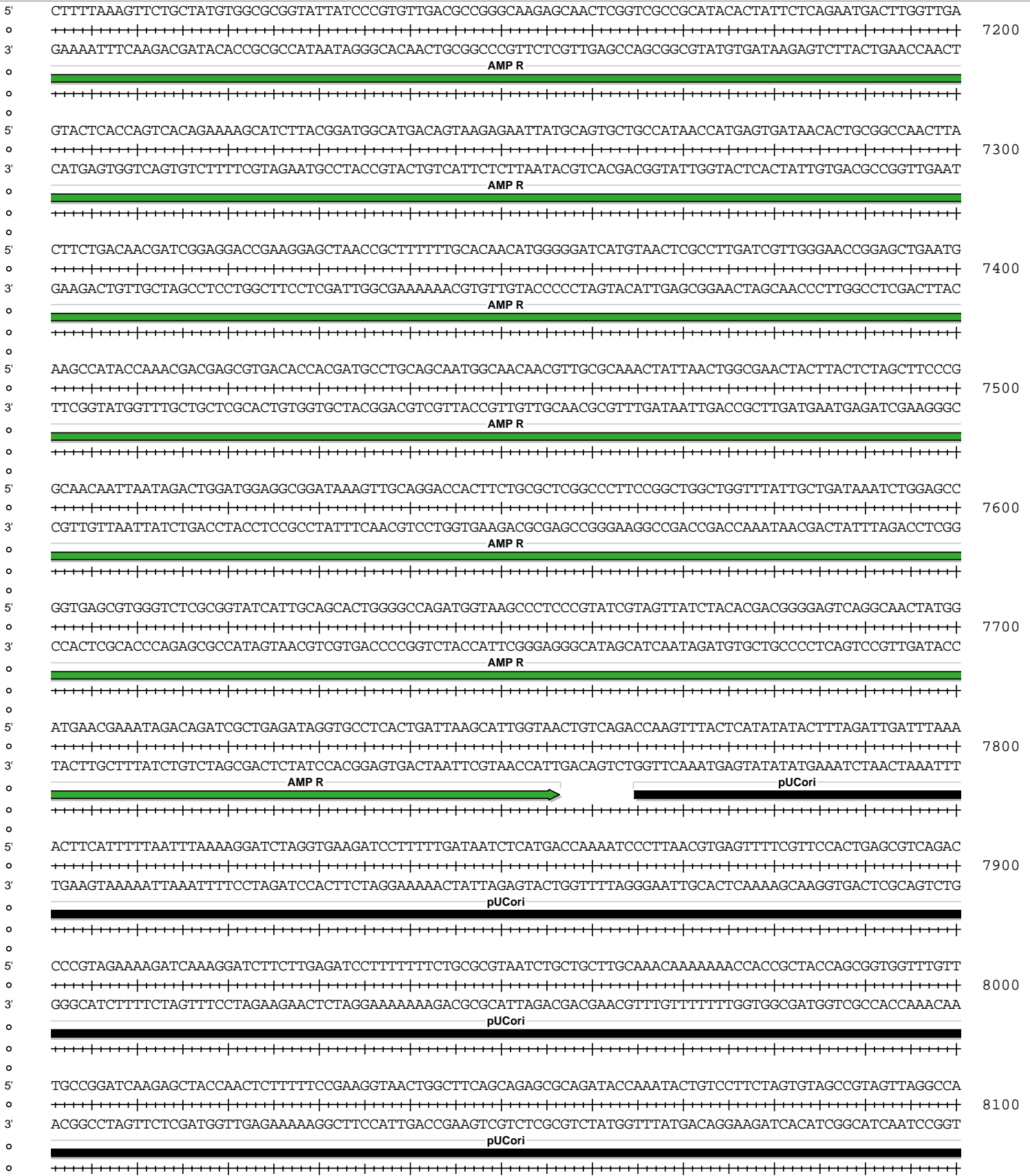
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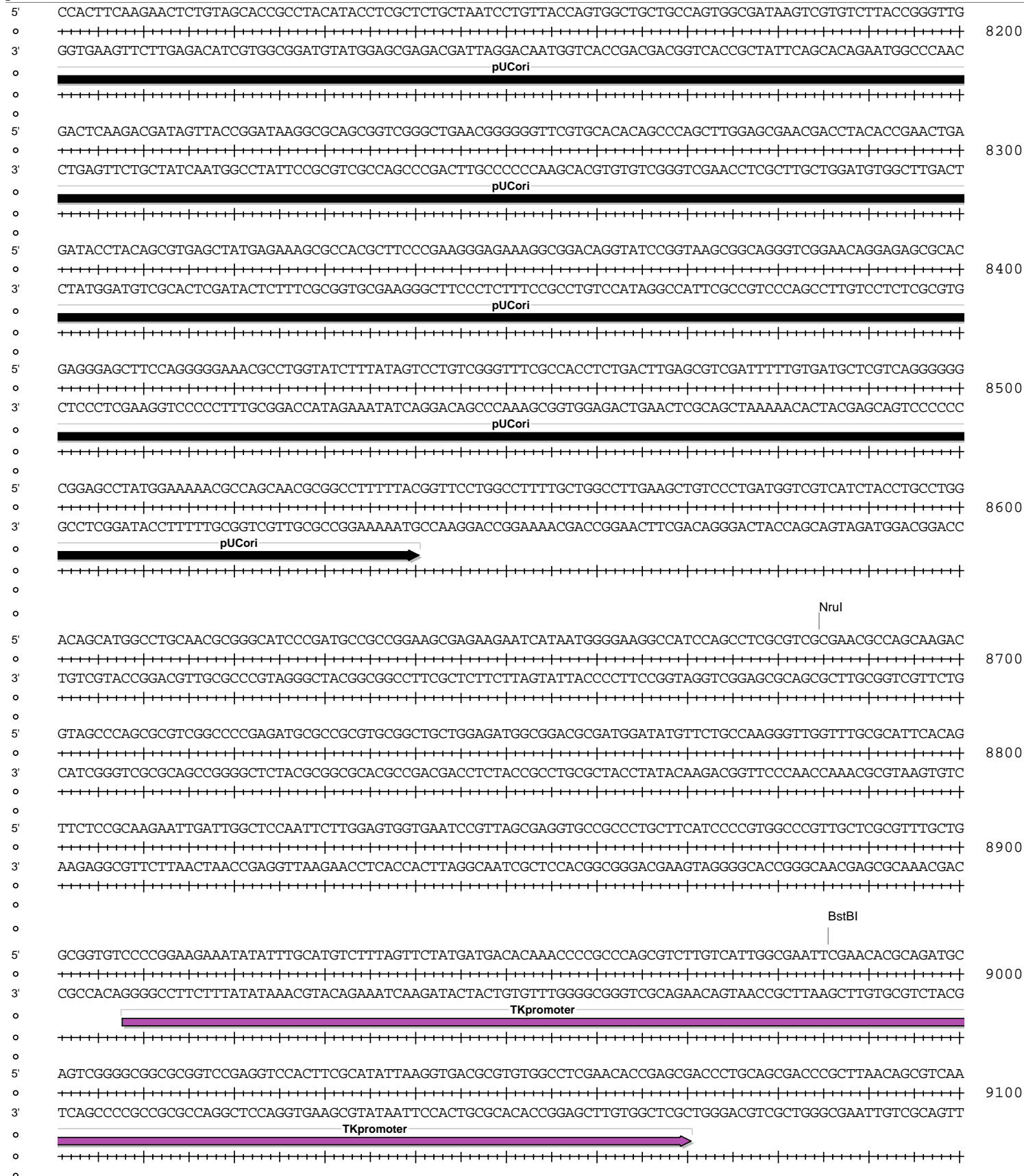
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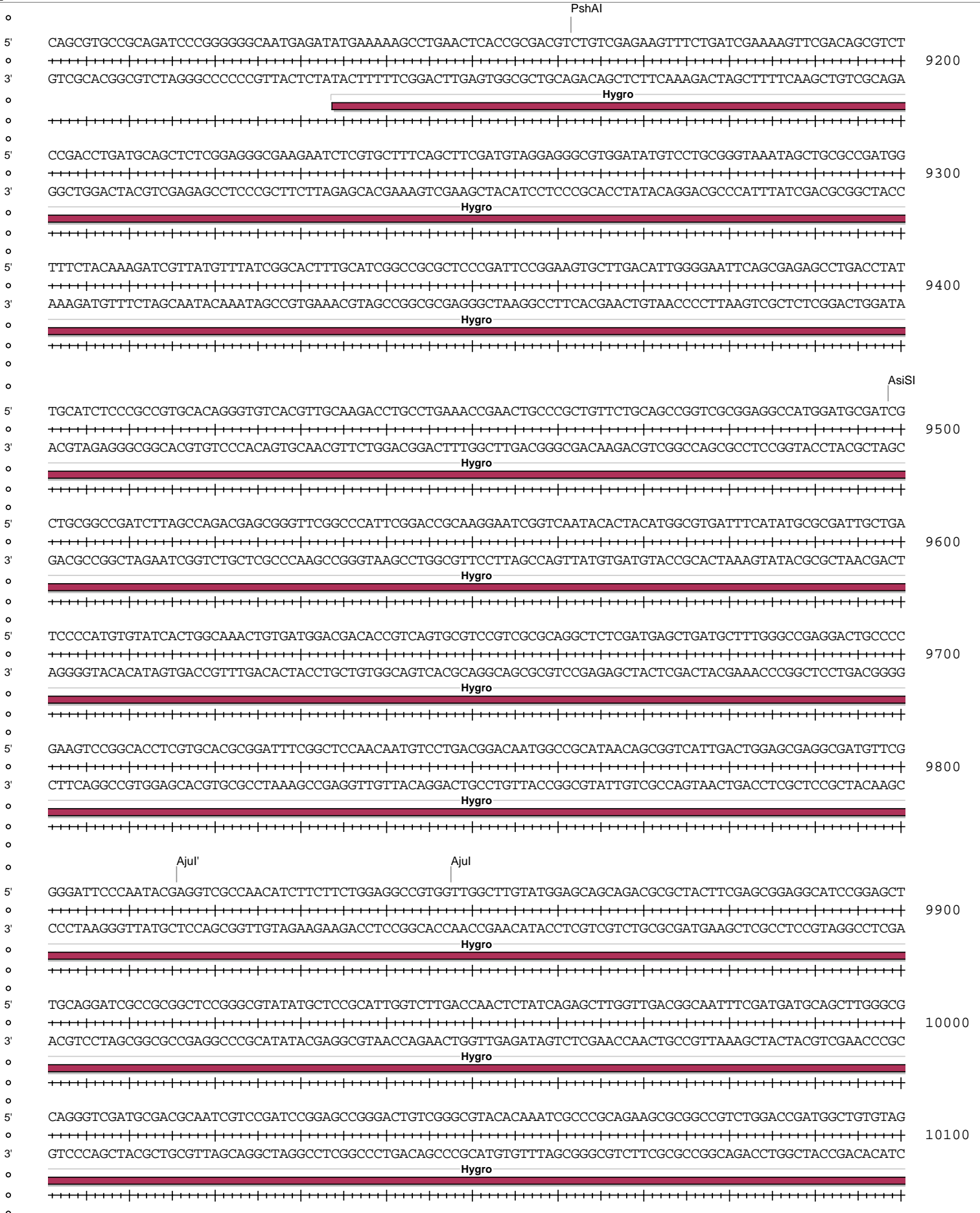
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