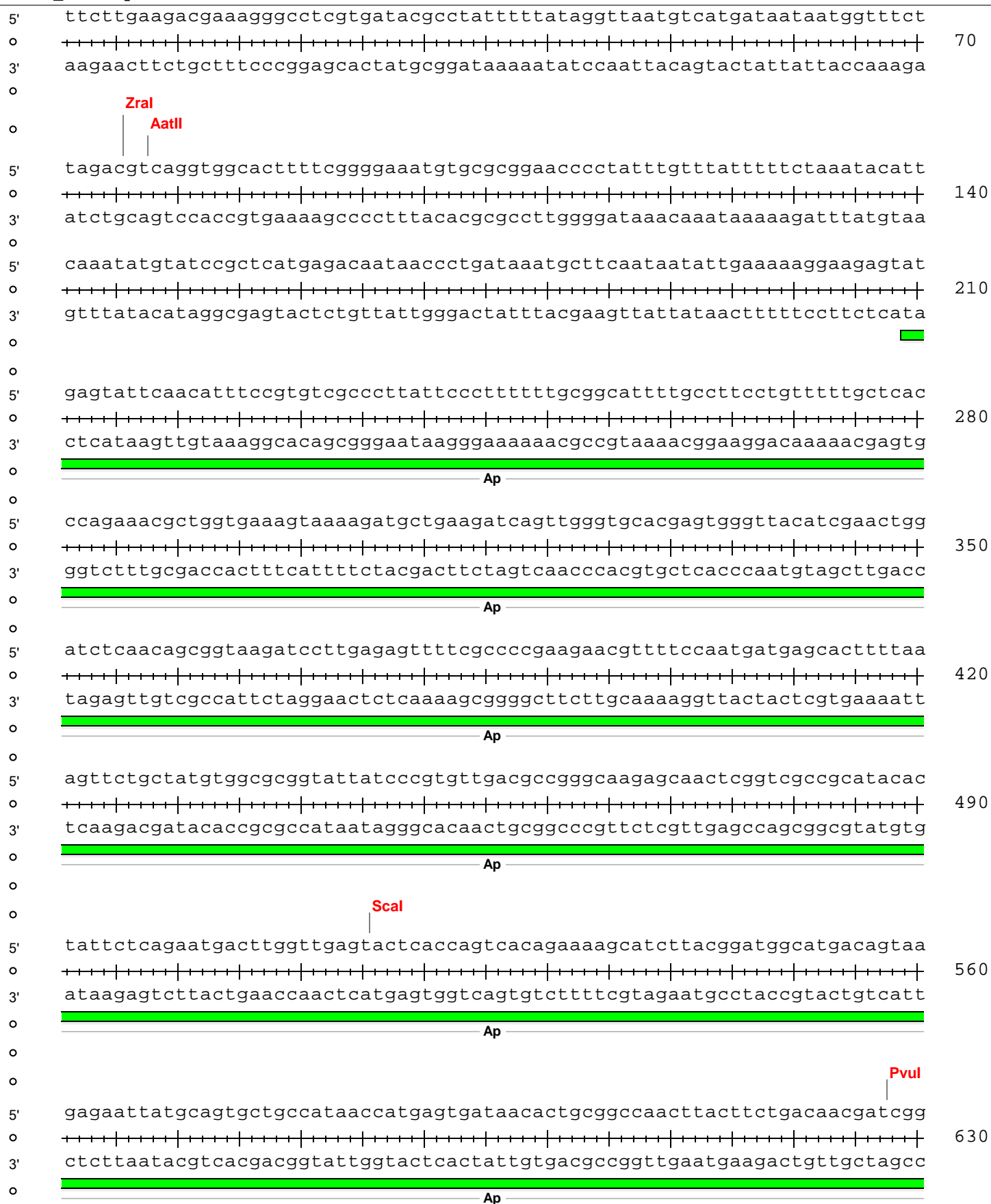


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PstI

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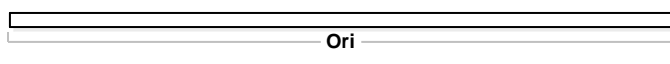
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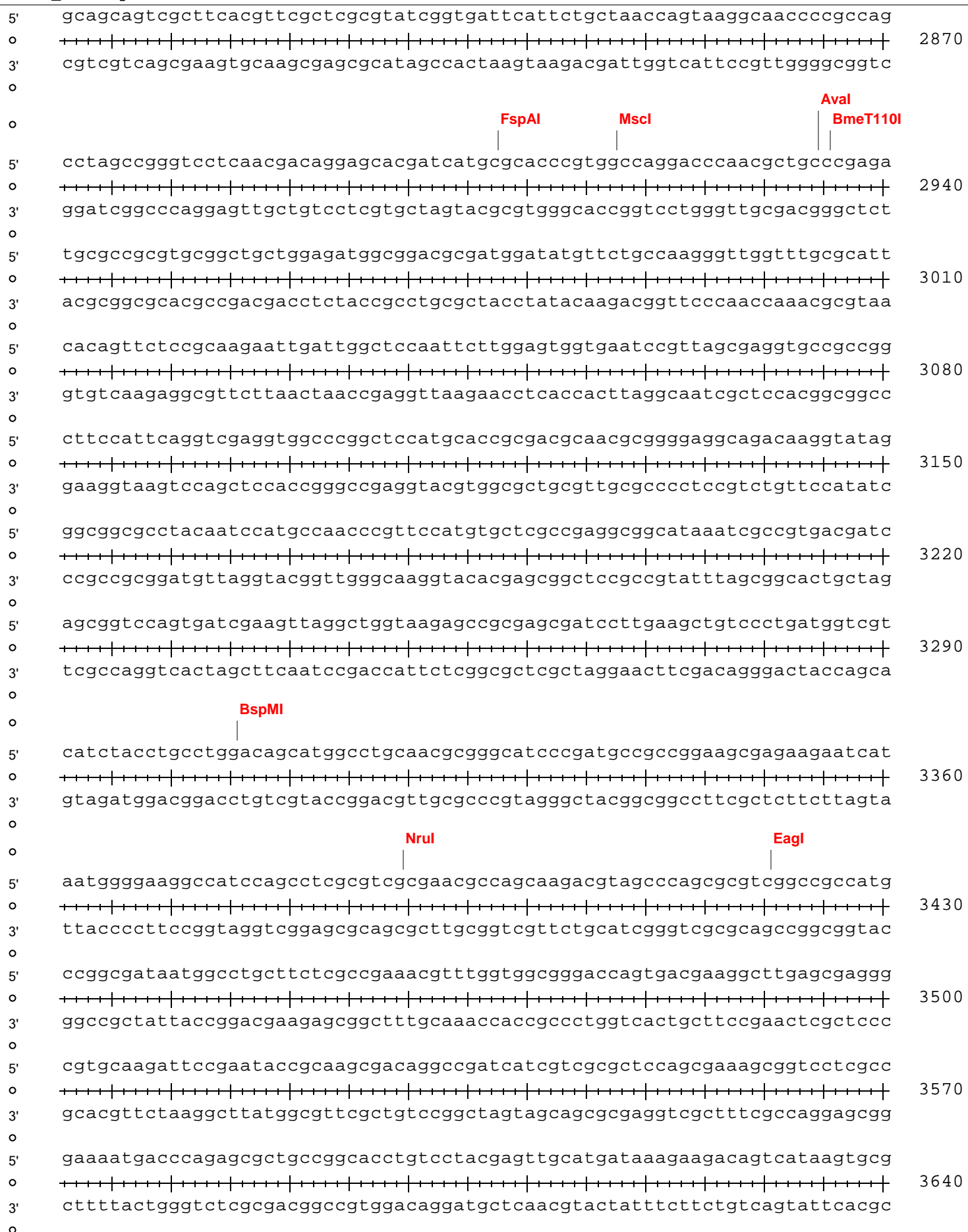
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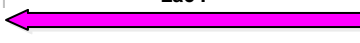
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Lac I



BsaXI'

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3850

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BsaXI

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5320

Lac O

M
1

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5390

His10-tag

X-factor

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5460

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5600

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5670

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SpeI

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5740

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5810

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6580

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6650

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6720

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6790

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6860

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7280

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7350

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7420

BGH85_B02b2

BGH85_B02b2-pDONR221

R R N D K E T N T N F E V I A V N K N Y N R G
 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701

5' ATAGTCAAAGTATAAATATGGAATGGCCTGCTTACCCTGCTTAGGACCCAGCTTTCTTGTACAAAGTGGT
 0 ++++++
 3' TATCAGTTTCATATTTATACCTTACCGGACGAATGGGACGAATCCTGGGTCGAAAGAACATGTTTCACCA

7490

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attB2

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N S Q S I N M E W P A Y P A .
 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716

BamHI

5' TGATtcgaggatccggctgctaacaaagcccgaaggaagctgagttggctgctgccaccgctgagcaat
 0 ++++++
 3' ACTAagctcctaggccgacgattgtttcgggctttccttcgactcaaccgacgacggtggcgactcgтта

7560

T7 Terminator

5' aactagcataaacccttggggcctctaaacgggtcttgaggggttttttgctgaaaggaggaactatatac
 0 ++++++
 3' ttgatcgtattggggaaccccggagatttgcccagaactccccaaaaaacgactttcctccttgatatag

7630

T7 Terminator

5' cggatatcccgcaagaggcccggcagtagccgacataaccaagcctatgcctacagcatccagggtgacgg
 0 ++++++
 3' gcctatagggcggttctccgggcccgtcatggccgatttggttcggatcggatgctcgtaggtcccactgcc

7700

BGH85_B02b2-pET16-DEST

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5'  tgccgaggatgacgatgagcgcattgtagatttcatacacggtgcctgactgcgttagcaatttaactg
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  acggctcctactgctactcgcgtaacaatctaaagtatgtgccacggactgacgcaatcgtaaattgac
o
o
o
o
5'  tgataaactaccgcattaaagcttatcgatgataagctgtcaaacatgagaa
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  actat ttgatggcgt aat ttcgaatagctactatttcgacagtttgtactctt
o
```