

BGH31_B04a-pET32-DEST

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AloI'

AloI

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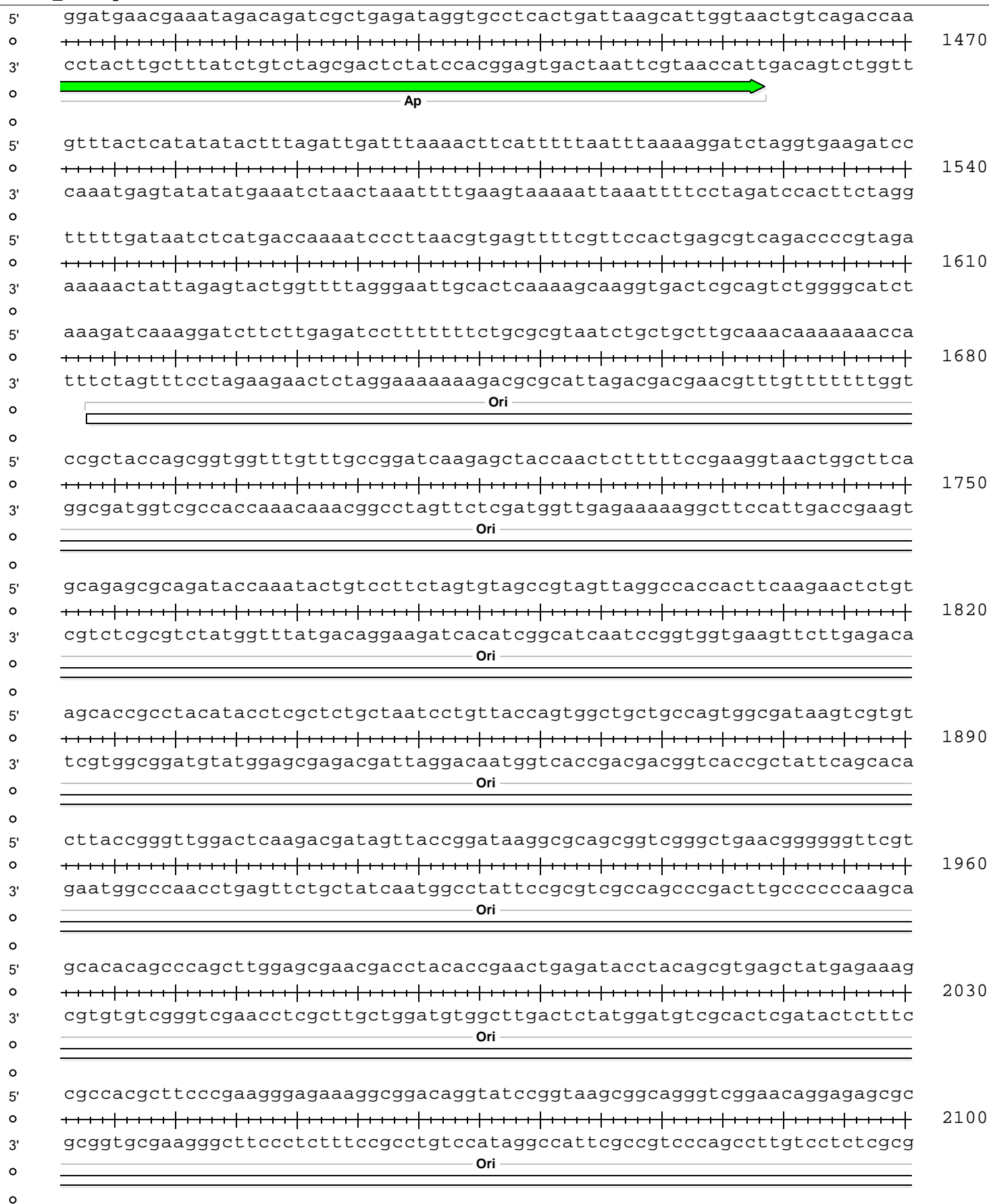
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770

Ap

BGH31_B04a-pET32-DEST



BGH31_B04a-pET32-DEST

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PciI

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Bpu10I



FspAI



Lac I

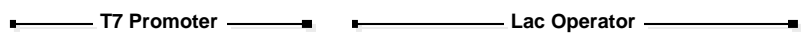


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5110

SgrAI

XbaI

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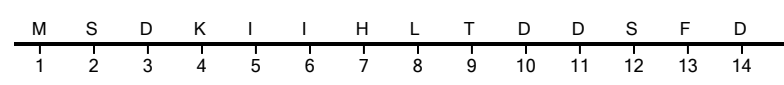


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5250

BamHI

BamHI'

Trx Tag



o
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5320

RsrII

Trx Tag

o
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15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38
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o
5390

Trx Tag

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5460

Trx Tag

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62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84
o

BGH31_B04a-pET32-DEST

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 0
 0

5530

Trx Tag

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 0 ++++++
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5600

-T...g
 His6-tag Thrombin
 A G S G S G H M H H H H H S S G L V P R G S
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 0

5670

BstBI BglII Acc65I KpnI

En...e

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 0 ++++++
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 0
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5740

Enterokinase attB1 TEV site
 BGH31_B04a-pDONR221

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5810

BGH31_B04a
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5880

BGH31_B04a
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SpeI

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5950

BGH31_B04a

BGH31_B04a-pDONR221

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PmlI

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6020

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6090

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6160

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6230

AarI

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6300

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BmgBI

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6370

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6440

BGH31_B04a

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6510

BGH31_B04a

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6580

BGH31_B04a

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7000

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7070

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BGH31_B04a-pDONR221

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7140

BGH31_B04a

BGH31_B04a-pDONR221

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7210

BGH31_B04a

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7280

BGH31_B04a

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7350

BGH31_B04a

BGH31_B04a-pDONR221

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7420

BGH31_B04a

BGH31_B04a-pDONR221

R P L W W H Y P D D A S T R F I G D Q W L F G E
 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738

5' GCAATACTTGGTTGCGCCAATGCTCCAAGCCAACCACTACCAACGTGACATTTATTTGCCTGAAGGTGGC
 0 ++++++
 3' CGTTATGAACCAACGCGGTTACGAGGTTTCGGTTGGTGATGGTTGCACTGTAAATAAACGGACTTCCACCG

7490

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Q Y L V A P M L Q A N H Y Q R D I Y L P E G G
 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761

5' TGGCGCGATTATTGGACTGGCGAGAAATTCGAGGGTGAAACCTGGCTCTACAATTATCCTGCGCCCTTAG
 0 ++++++
 3' ACCGCGCTAATAACCTGACCGCTCTTTAAGCTCCCACTTTGGACCGAGATGTTAATAGGACGCGGGAATC

7560

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W R D Y W T G E K F E G E T W L Y N Y P A P L
 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784

5' AAACCCTGCCGTTGTTTCGAGCGGCTGTGGTAGGACCCAGCTTTCTTGTACAAAGTGGTTGATatcggatc
 0 ++++++
 3' TTTGGGACGGCAACAAGCTCGCCGACACCATCCTGGGTGCAAAGAACATGTTTCACCAACTatagcctag

7630

BamHI

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attB2

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E T L P L F E R L W
 785 786 787 788 789 790 791 792 793 794 795

5' cgaattcgagctccgtcgacaagcttgcggccgcactcgagcaccaccaccaccactgagatccggc
 0 ++++++
 3' gcttaagctcgaggcagctgttcgaacgccggcgtgagctcgtggtggtggtggtgactctaggccg

7700

EcoCRI
Sacl

Sall

HindIII

NotI
EagI

PspXI
XhoI

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5'   tgctaacaaagcccgaaaggaagctgagttggctgctgccaccgctgagcaataactagcataaccctt
o   +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'   acgattgtttcgggctttccttcgactcaaccgacgacggtggcgactcgttattgatcgtattggggaa
o
o
o
                                  T7 Terminator
o
5'   ggggcctctaaacgggtcttgaggggtttttgctgaaaggaggaactatatccggat
o   +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'   ccccgagatttgcccagaactcccaaaaaacgactttcctccttgatataggccta
o
o
o
T7 Terminator
o
o

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