

BGT41_T01a2-pET16-DEST

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Zral
AatII

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o +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
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o +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
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BGT41_T01a2-pET16-DEST

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Ap

PstI

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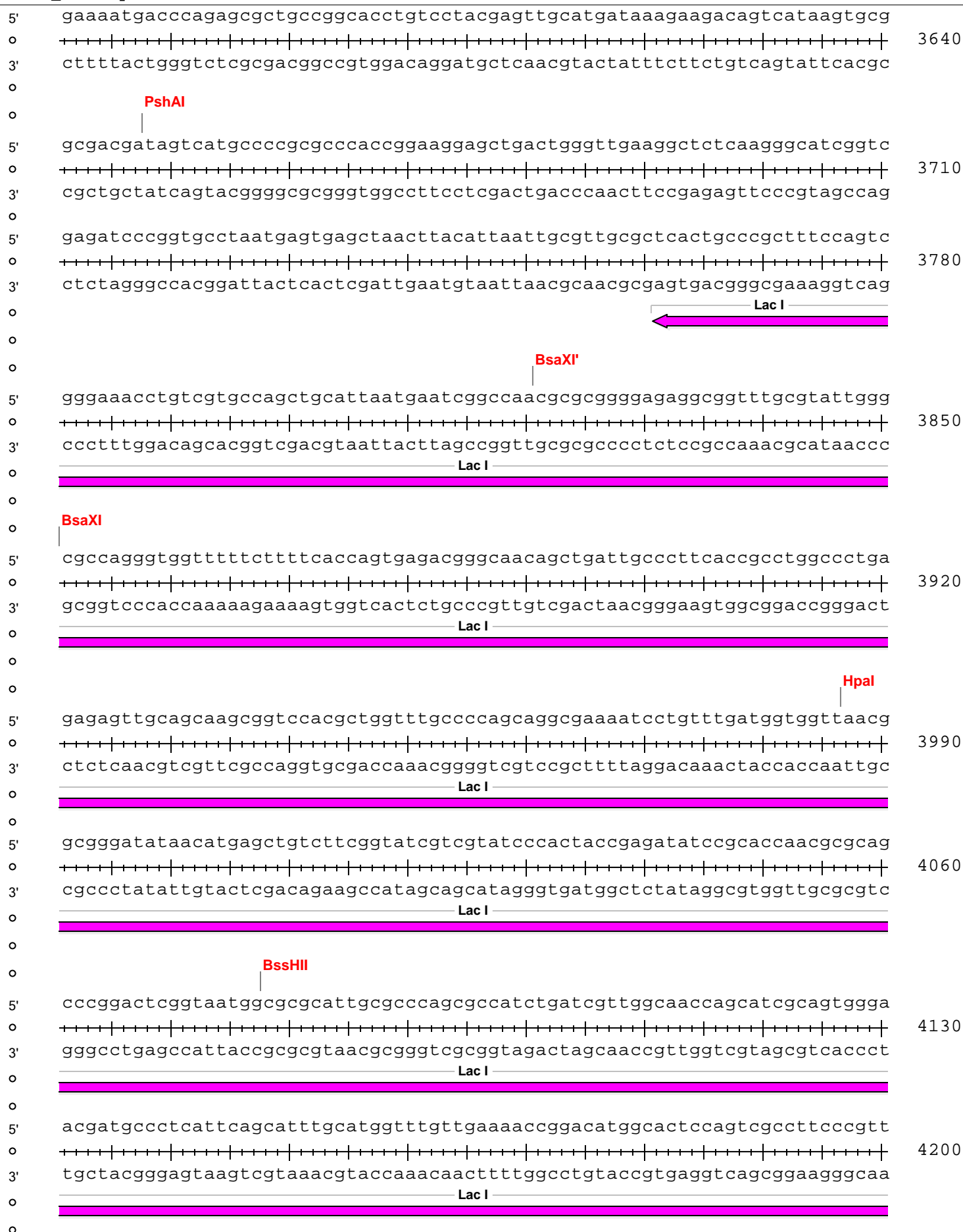
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BGT41_T01a2-pET16-DEST



BGT41_T01a2-pET16-DEST

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o

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4270

Lac I

PspOMI Apal BstEII

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3' tcttgaattaccggcgattgtcgcgctaaacgaccactgggttacgctggtctacgaggtgccccgtca
o
o

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4340

Lac I

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5' cgcgtaccgtcttcatgggagaaaataactggtgatgggtgctggtcagagacatcaagaataaacg
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3' gcgcattggcagaagtaccctcttttattatgacaactaccacagaccagctctctgtagttctttattgc
o
o

```

4410

Lac I

BclI

```

5' ccggaacattagtgcaggcagcttccacagcaatggcatcctgggtcatccagcggatagttaatgatcag
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o
o

```

4480

Lac I

MluI

```

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```

4550

Lac I

```

5' atcgacaccaccagctggcaccagttgatcggcgcgagatttaatcgcccgcgacaatttgcgacggcg
o ++++++|+++++|+++++|+++++|+++++|+++++|+++++|+++++|+++++|+++++|+++++|+++++|
3' tagctgtgggtgggtgcgaccgtgggtcaactagccgcgctctaaattagcggcgctgttaaaccgctgccc
o
o

```

4620

Lac I

```

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o
o

```

4690

Lac I

```

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4760

Lac I

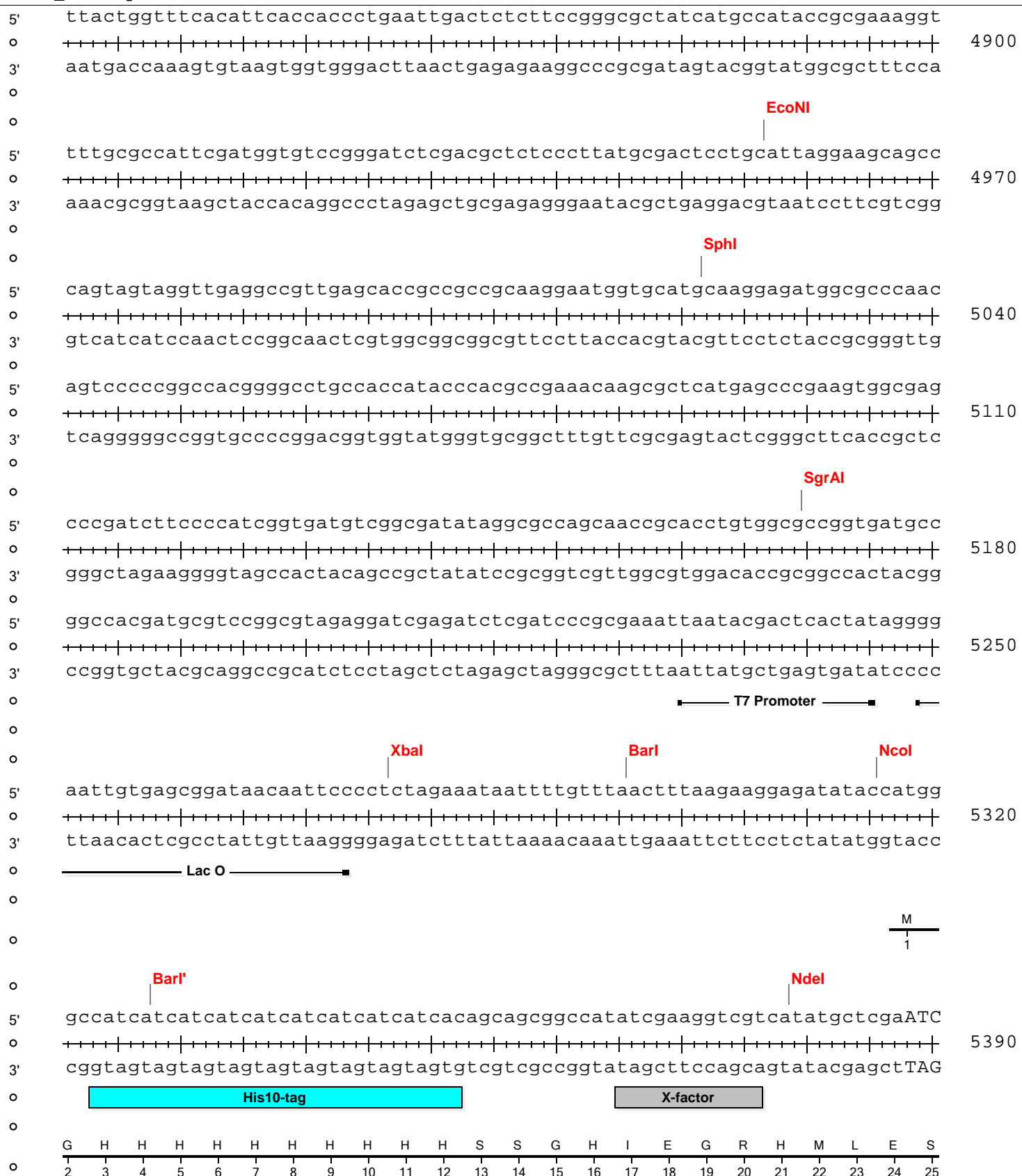
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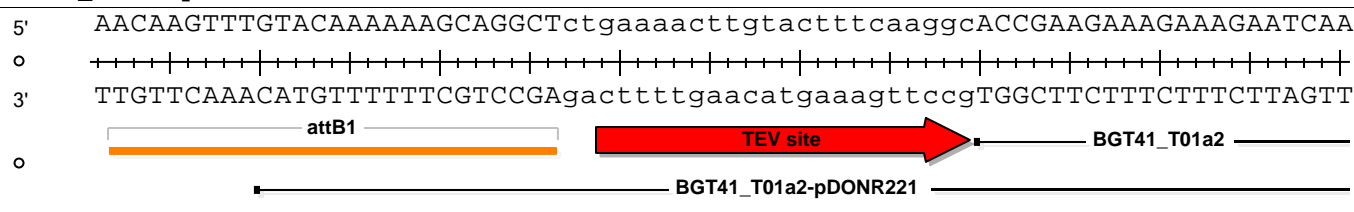
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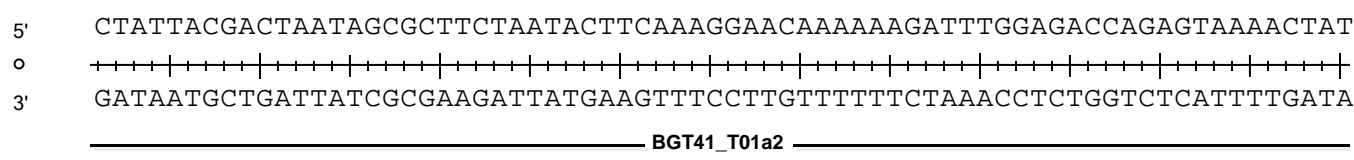
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5530

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5600

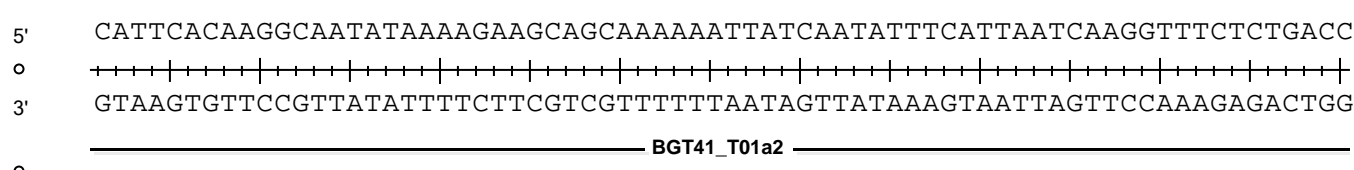
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5670

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5740

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BGT41_T01a2-pET16-DEST

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5810

BGT41_T01a2

BGT41_T01a2-pDONR221

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5' TCGCAAAGCAATTAAAATTAATCCTAATTACGCATTGGCTTACTCTAATCTGGGAAATGTATTAAAAGAT
 3' AGCGTTTCGTTAATTTAATTAGGATTAATGCGTAACCGAATGAGATTAGACCCTTTACATAATTTTCTA

5880

BGT41_T01a2

BGT41_T01a2-pDONR221

R K A I K I N P N Y A L A Y S N L G N V L K D
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5' CTTGGTAAGTCACAAGATGCAGAATTGTCATACCGCAAAGCAATTCAAATTAATCCTAATTACGCAGATG
 3' GAACCATTCAAGTGTCTACGTCTTAACAGTATGGCGTTTCGTTAAGTTAATTAGGATTAATGCGTCTAC

5950

BGT41_T01a2

BGT41_T01a2-pDONR221

L G K S Q D A E L S Y R K A I Q I N P N Y A D
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5' CACATTACAATCTGGGAATAATATTGAAAGAACTTGGTAATTTACAAGACGCAGAATTGTCATATCGCAA
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6020

BGT41_T01a2

BGT41_T01a2-pDONR221

A H Y N L G I I L K E L G N L Q D A E L S Y R K
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Nsil

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6090

BGT41_T01a2

BGT41_T01a2-pDONR221

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BGT41_T01a2-pET16-DEST

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6160

BGT41_T01a2

BGT41_T01a2-pDONR221

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5' CAAATCTGGGAAATGTATTAAAAGATCTTGGTAATTTACAAGACGCAGAGTTGTCATAACCGCAAAGCAAT
 0 ++++++
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6230

BGT41_T01a2

BGT41_T01a2-pDONR221

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5' TCAAATTAATCCTGATTACGCAGAGGCGCATTTCAAATCTAGGAAATCTATTAAAAGATCTTGGTAAATTA
 0 ++++++
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6300

BGT41_T01a2

BGT41_T01a2-pDONR221

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6370

BGT41_T01a2

BGT41_T01a2-pDONR221

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 0 ++++++
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6440

Psil

BGT41_T01a2

BGT41_T01a2-pDONR221

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BGT41_T01a2-pET16-DEST

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6510

BGT41_T01a2

BGT41_T01a2-pDONR221

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6580

BGT41_T01a2

BGT41_T01a2-pDONR221

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6650

BGT41_T01a2

BGT41_T01a2-pDONR221

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6720

BGT41_T01a2

BGT41_T01a2-pDONR221

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 +-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
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6790

BGT41_T01a2

BGT41_T01a2-pDONR221

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BGT41_T01a2-pET16-DEST

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6860

BGT41_T01a2

BGT41_T01a2-pDONR221

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6930

BGT41_T01a2

BGT41_T01a2-pDONR221

T S A Q T G L M S T Q G N I C D W S D E E T H
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BseRI

5' AATAAATGGCTTAAATCACTTGGTATTAAAGGATAGGACCCAGCTTTCTTGTACAAAGTGGTTGATtcga
 0 ++++++
 3' TTATTTACCGAATTTAGTGAACCATAATTTCCCTATCCTGGGTTCGAAAGAACATGTTTCACCAACTAagct

7000

BGT41_T01a2

attB2

BGT41_T01a2-pDONR221

N K W L K S L G I K G
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BamHI

BlnI

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 3' cctaggccgacgattgtttcgggctttccttcgactcaaccgacgacggtggcgactcgttattgatcgt

7070

T7 Terminator

5' taacccttggggcctctaaacgggtcttgaggggttttttgctgaaaggaggaactatatccggatatc
 0 ++++++
 3' attggggaaccccggagatttgcccagaactccccaaaaaacgactttcctccttgatataggcctatag

7140

T7 Terminator

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 0 ++++++
 3' ggcggtctccgggcccgtcatggccgatttggttcggatacggatgtcgttaggtcccactgccacggctcc

7210

5' atgacgatgagcgcattggttagatttcatacacgggtgctgactgctgtagcaatttaactgtgataaac
 0 ++++++
 3' tactgctactcgcgtaacaatctaaagtatgtgccacggactgacgcaatcgtaaattgacactatttg

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o
5' taccgcattaaagcttatcgatgataagctgtcaaacaatgagaa
o
3' atggcgtaatttcgaatagctactattcgacagtttgtactctt
o

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