

5' ttcttgaagacgaaagggcctcgtgatacgcctatttttataggttaatgtcatgataataatggtttct
o +-----+
3' aagaacttctgctttcccgggagcactatgCGGATAAAAATATCCAATTACAGTACTATTATTACCAAAGA

70

Zral
AatII

5' tagacgtcaggtggcacttttcggggaaatgtgcgcggaaccctatttgttatttttctaaatacatt
o +-----+
3' atctgcagtcacaccgtgaaaagccctttacacgcgccttggggataaacaaaataaaaagatttatgtaa

140

5' caaatatgtatccgctcatgagacaataaccctgataaatgcttcaataatattgaaaaaggaagagtat
o +-----+
3' gttatacatagggcagtagtactctgttattgggactatttacgaagtattataactttttccttctcata

210

5' gagtattcaacatttccgtgtcgccttattcccttttttgccgcattttgccttccctgtttttgctcac
o +-----+
3' ctcataagttgtaaaggcacagcggaataagggaacgcccgtaaaacggaaggacaaaaacgagtg

280

Ap

5' ccagaaacgctgggtgaaagtaaaagatgctgaagatcagttgggtgcacgagtggttacatcgaactgg
o +-----+
3' ggtctttgcgaccactttcattttctacgacttctagtcaaccacgtgctcacccaatgtagcttgacc

350

Ap

5' atctcaacagcggtaagatccttgagagtttccgccccgaagaacgtttccaatgatgagcacttttaa
o +-----+
3' tagagtgtcgccattctaggaactctcaaaagcgggcttcttgcaaaagggtactactcgtgaaaatt

420

Ap

5' agttctgctatgtggcgcggattatcccgtgttgacgcccgggcaagagcaactcggtcgcccatacac
o +-----+
3' tcaagacgatacaccgcgccataatagggcacaactgcccgggttctcgttgagccagcggcgatgtg

490

Ap

Scal

5' tattctcagaatgacttgggtgagtagtactcaccagtcacagaaaagcatcttacggatggcatgacagtaa
o +-----+
3' ataagagtcttactgaaccaactcatgagtggtcagtgctttttcgtagaatgcctaccgtactgtcatt

560

Ap

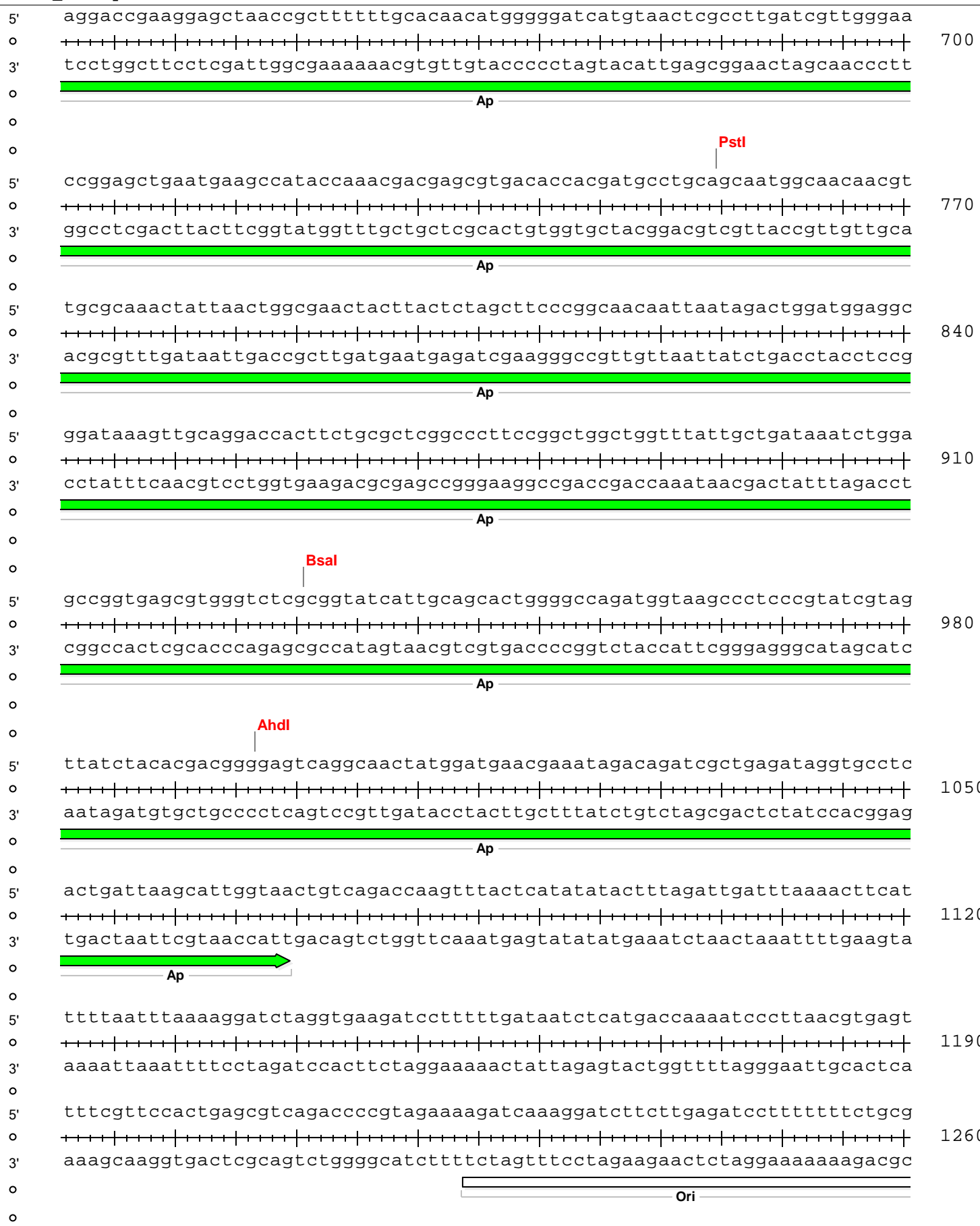
PvuII

5' gagaattatgcagtgctgccataaccatgagtgataacactgcccacttacttctgacaacgatcgg
o +-----+
3' ctcttaatacgtcacgacgggtattggtagtactcatttgtgacgcccggttgaatgaagactgttgctagcc

630

Ap

BGH02_B01c-pET16-DEST



BGH02_B01c-pET16-DEST

5' cgtaatctgctgcttgcaaacaaaaaaccaccgctaccagcgggtggtttggttgccggatcaagagcta
 1330
 3' gcattagacgacgaacgtttgtttttttggtggcgatggtcgccaccaaacaaacggcctagttctcgat

Ori

5' ccaactctttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtccttctagtgtagc
 1400
 3' ggttgagaaaaaggcttccattgaccgaagtctgtctcgctctatggtttatgacaggaagatcacatcg

Ori

5' cgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgctctgctaactctgttacc
 1470
 3' gcatcaatccgggtggtgaagtcttgagacatcgtggcggatgtatggagcgcagacgattaggacaatgg

Ori

5' agtggctgctgccagtggcgataagtctgtgtcttaccgggttgactcaagacgatagttaccggataag
 1540
 3' tcaccgacgacggtcaccgctattcagcacagaatggccaacctgagttctgctatcaatggcctattc

Ori

5' ggcgagcggtcgggctgaacggggggttcgtgcacacagcccagcttgagcgaacgacctacaccgaac
 1610
 3' cgcgctgccagcccgacttgcccccaagcacgtgtgtcgggtcgaacctcgcttgctggatgtggcttg

Ori

5' tgagatacctacagcgtgagctatgagaaagcgccacgcttcccgaaggagaaaggcggacaggtatcc
 1680
 3' actctatggatgtcgcactcgatactcttctcgcggtgcaagggttccctcttccgcctgtccatagg

Ori

5' ggtaagcggcagggctcggaacaggagagcgcacgaggagcttccaggggaaacgcctggatatctttat
 1750
 3' ccattcgccgtcccagccttgctcctctcgctgctccctcgaagggtcccccttgcggaccatagaaata

Ori

5' agtcctgtcgggtttcgccacctctgacttgagcgtcgatttttgtgatgctcgtcaggggggaggagcc
 1820
 3' tcaggacagcccaaagcgggtggagactgaactcgcagctaaaaacactacgagcagtcccccgccctcg

Ori

Pcil

5' tatggaaaaacgccagcaacgcggcctttttacgggttctggccttttgetggccttttgetcacatggt
 1890
 3' atacctttttgcggtcgttgcgcccggaaaaatgccaaggaccggaaaaacgaccggaaaaacgagtgtaaa

Ori

5' ctttcctgcggttatcccctgattctgtggataaccgtattaccgcctttgagtgagctgataaccgctcgc
 1960
 3' gaaaggacgcaataggggactaagacacctattggcataatggcggaaactcactcgactatggcgagcg

```

o
                                     SapI
                                     |
5'  cgcagccgaacgaccgagcgcagcgcagtcagtgagcgcaggaagcgcgaagagcgccctgatgcggtatTTTC
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  gcgtcggccttgctggctcgcgctcgcctcagtcactcgcctccttcgccttctcgcggactacgccataaaaag

o
5'  tccttacgcacatctgtgcggatTTTcacaccgcataatattggtgcaactctcagtacaatctgctctgatgcc
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  aggaatgcgtagacacgccataaagtgtggcgatatataccacgtgagagtcagtgttagacgagactacgg

o
                                     BsaAI   Tth111I
                                     |       |
5'  gcatagttaagccagttatacactccgcctacgctacgtgactggggtcatggctgcgccccgacaccgcc
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  cgtatcaattcggtcataatgtgaggcgatagcgatgcaactgaccagttaccgacgcggggctgtgggcgg

o
5'  aacaccgcgctgacgcgcccctgacgggcttctctgctcccggcatccgcttacagacaagctgtgaccgctc
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  ttgtgggcgactgdcgggactgcccaacagacgagggccgtaggcgaatgtctgttcgacactggcag

o
5'  tccgggagctgcatgtgtcagaggTTTTaccgctcatcccgaaacgcgcgaggcagctgcggtaaagct
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  aggccctcgacgtacacagtctccaaaagtggcagtagtggcctttgcgcgctccgctcgcgccatTTTCga

o
5'  catcagcgtggctcgtgaagcgattcacagatgtctgcctggtccatccgcgctccagctcgttgagtttctc
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  gtagtgcaccagcacttcgctaagtgcttacagacggacaagtaggcgcaggctcgagcaactcaaagag

o
5'  cagaagcgttaatgtctggcctctgataaagcgggcatgttaagggcggTTTTTctgTTTggctcact
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  gtcttcgcaattacagaccgaagactatTTTCgcccgggtacaattcccgccaaaaaaggacaaaccagtg

o
5'  gatgcctccgctgtaaggggatttctgttcatgggggtaatgataccgatgaaacgagagaggatgctca
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  ctacggaggcacattccccctaagacaagtaaaaaattactatggctactttgctctcctcctacgagt

o
5'  cgatacgggttactgatgatgaacatgcccgggttactggaacgcttgtagggtaaaactggcggtatg
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  gctatgcccattgactactacttgtagggccaatgacctgcaaacctccccatttgttgaccgccatac

o
5'  gatgcggcgggaccagagaaaaatcactcagggtcaatgccagcgtctcgTTTtaatacagatgtagggtgt
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  ctacgccgccctggtctctTTTtagtgagtcacggttacggctgcgaagcaattatgtctacatccacaa

o
5'  ccacagggtagccagcagcatcctgcgatgcagatccggaacataatgggtgcaggggcgtgacttccgcg
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  ggtgtcccatcggctcgtcgttaggacgctacgtctaggccttgtaattaccacgtcccgcgactgaaggcgc

o
                                     Bpu10I
                                     |
5'  tttccagactttacgaaacacggaaaccgaagaccattcatgttggtgctcaggtcgcgagagctTTTgca
o  +++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|++++|
3'  aaaggtctgaaatgcttTtggtccttggcttctggtaagtacaacaacgagttccagcgtctgcaaaaacgt
o

```

BGH02_B01c-pET16-DEST

5' gcagcagtcgcttcacggttcgctcgcgcatcggtgattcattctgctaaccagtaaggcaaccccgccag 2870
o ++++++
3' cgtcgtcagcgaagtgcaagcgagcgcatagccactaagtaagacgattgggtcattccggtggggcggtc
o
o
o
5' cctagccgggtcctcaacgacaggagcacgatcatgcgccaccgctggccaggaccaacgctgcccgaga 2940
o ++++++
3' ggatcggcccaggagttgctgtcctcgtgctagtagcgcgtgggaccggctcctgggttgcgacgggctc
o
o
o
5' tgcgccgctgctggagatggcggacgcgatggatatgttctgccaagggttggtttgcgcatt 3010
o ++++++
3' acgcgcgccacgcccgcgacactctaccgctgcgctacctatacaagacgggtcccaaccaaacgcgtaa
o
o
o
5' cacagttctccgcaagaattgattggctccaattcttggagtggatccgtagcgaggtgccgcccgg 3080
o ++++++
3' gtgtcaagagggcgttcttaactaaccgaggttaagaacctcaccacttaggcaatcgctccacggcgcc
o
o
o
5' cttccattcaggtcgaggtggcccggctccatgcaccgcgacgcaacgcggggaggcagacaaggtatag 3150
o ++++++
3' gaagtaagtccagctccaccgggcccaggtacgtggcgctgcgttgcgccctccgctctgttccatatac
o
o
o
5' ggcggcgcctacaatccatgcccaaccgcttccatgtgctcgccgaggcggcataaatcgccgtgacgatc 3220
o ++++++
3' ccgcccggatgtaggtacggttgggcaaggtacacgagcggctccgcccgtatttagcggcactgctag
o
o
o
5' agcgggtccagtgatcgaagttaggctggtaagagccgagcgatccttgaagctgtccctgatggctcgt 3290
o ++++++
3' tcgccagggtcactagcttcaatccgaccattctcggcgctcgctaggaacttcgacagggactaccagca
o
o
o
5' catctacctgcctggacagcatggcctgcaacgcgggcatcccgatgccgcccgaagcgagaagaatcat 3360
o ++++++
3' gtagatggacggacctgtcgtaccggacggtgccccgtagggctacggcggccttcgctcttcttagta
o
o
o
5' aatggggaaggccatccagcctcgcgtcgcgaacgccagcaagacgtagcccagcgcgtcggccgcatg 3430
o ++++++
3' ttacccttccggtaggtcggagcgcagcgttgcggctcgttctgcatcgggtcgcgcagccggcggtac
o
o
o
5' ccggcgataatggcctgcttctcgccgaaacgcttgggtggcgggaccagtgacgaaggcttgagcgaggg 3500
o ++++++
3' ggccgctattaccggacgaagagcggcttgcaaaccaccgcccctggctactgcttccgaactcgctccc
o
o
o
5' cgtgcaagattccgaataaccgcaagcgacaggccgatcatcgtcgcgctccagcgaagcggctcctcgcc 3570
o ++++++
3' gcacgttctaaggcttatggcgctcgtgctcggctagtagcagcgcgaggtcgcttccgacaggagcgg
o
o

BGH02_B01c-pET16-DEST

5' gaaaatgacccagagcgctgccggcacctgtcctacgagttgcatgataaagaagacagtcataagtgcg
 3' cttttactgggtctcgcgacggcctggacaggatgctcaacgtactatcttctgtcagatttcacgc 3640

PshAI

5' gcgacgatagtcacatgccccgcgccaccggaaggagctgactgggttgaaggctctcaaggcatcggtc
 3' cgctgctatcagtacggggcgcgggtggccttctcgcactgacccaacttccgagagttcccgtagccag 3710

5' gagatcccgggtgcctaataatgagtgagctaacttacattaattgcggtgcgctcactgcccgtttccagtc
 3' ctctagggccacggattactcactcgattgaatgtaattaacgcaacgcgagtgacggggcgaagggtcag 3780

Lac I

BsaXI'

5' gggaaacctgtcgtgccagctgcattaatgaatcggccaacgcgcggggagaggcggtttgcgatttggg
 3' cccttggacagcacggctcgacgtaataacttagccggttgcgcgccctctccgccaacgcataacc 3850

Lac I

BsaXI

5' cgccaggggtgggtttttctttccaccagtgagacgggcaacagctgattgccttcaccgcctggcctga
 3' gcggtcccaccaaagaaaagtggtcactctgcccggttgtcgactaacgggaagtggcggaccgggact 3920

Lac I

HpaI

5' gagagttgcagcaagcgggtccacgctgggtttgccccagcaggcgaaaatcctgtttgatgggtggttaacg
 3' ctctcaacgtcgttcgccaggtgcgaccaaacggggtcgtccgcttttaggacaaactaccaccaattgc 3990

Lac I

5' ggggatataacatgagctgtcttcggtatcgtcgtatcccactaccgagatatccgcaccaacgcgcag
 3' cgccctatattgtactcgacagaagccatagcagcatagggatgatggctctataggcgtgggtgcgcgtc 4060

Lac I

BssHII

5' cccggactcggtaatggcgcgcattgcgccagcgcacatctgatcgttggcaaccagcatcgcagtgga
 3' gggcctgagccattaccgcgcgtaacgcgggtcgcggtagactagcaaccgttggctcgtagcgtcacct 4130

Lac I

5' acgatgcctcattcagcatttgcattggttggtaaaccggacatggcactccagtcgccttccggtt
 3' tgctacgggagtaagtcgtaaacgtaccaaacactttggcctgtaccgtgaggtcagcgggaagggcaa 4200

Lac I

BGH02_B01c-pET16-DEST

5' cgcctatcggctgaatttgattgctgagtgagatatttatgccagccagccagacgcagacgcgcccagagac
 o ++++++
 3' ggcgatagccgacttaaactaacgctcactctataaaatacgggctcggctcggctctgctctgctgctgctg

4270

Lac I

PspOMI
Apal

BstEII

5' agaacttaatgggcccgctaacagcgcgatttgctggtgacccaatgcgaccagatgctccacgcccagt
 o ++++++
 3' tcttgaattaccgggcgattgtcgcgctaaacgaccactgggttacgctggtctacgaggtgctgggtca

4340

Lac I

5' cgcgtaccgtcttcatgggagaaaataactggtgatgggtgctcggtcagagacatcaagaataacg
 o ++++++
 3' gcgcatggcagaagtaccctcttttattatgacaactaccacagaccagtctctgtagttctttattgc

4410

Lac I

BclI

5' ccggaacattagtgcagggcagcttccacagcaatggcatcctgggtcatccagcggatagttaatgatcag
 o ++++++
 3' ggccttgtaatcacgtccgctcgaagggtgctgcttaccgtaggaccagtaggtcgcttatcaattactagtc

4480

Lac I

MluI

5' cccactgacgcgttgccgcgagaagattgtgcaccgcgctttacaggcttcgacgccgcttcgcttctacc
 o ++++++
 3' ggggtgactgcgcaacgcgctcttctaacacgtggcgcgaaatgtccgaagctgctggcggaagcaagatgg

4550

Lac I

5' atcgacaccaccagctggcaccagttgatcggcgcgagatttaatcgccgcgacaatttgcgacggcg
 o ++++++
 3' tagctgtgggtgggtgcgaccgtgggtcaactagccgcgctctaaattagcggcgctgttaaaccgctgccgc

4620

Lac I

5' cgtgcagggccagactggaggtggcaacgccaatcagcaacgactgtttgcccgccagttgttgtgccac
 o ++++++
 3' gcacgtcccggctgacctccaccgttgcggttagtcgcttgctgacaaacgggcggtcaacaacacggtg

4690

Lac I

5' gcgggtgggaatgtaattcagctccgccatcgccgcttccactttttcccgcgcttttcgcagaaacgtgg
 o ++++++
 3' cgccaacccttacattaagtcgaggcggtagcggcgaaagggtgaaaaggcgcaaaagcgtctttgcacc

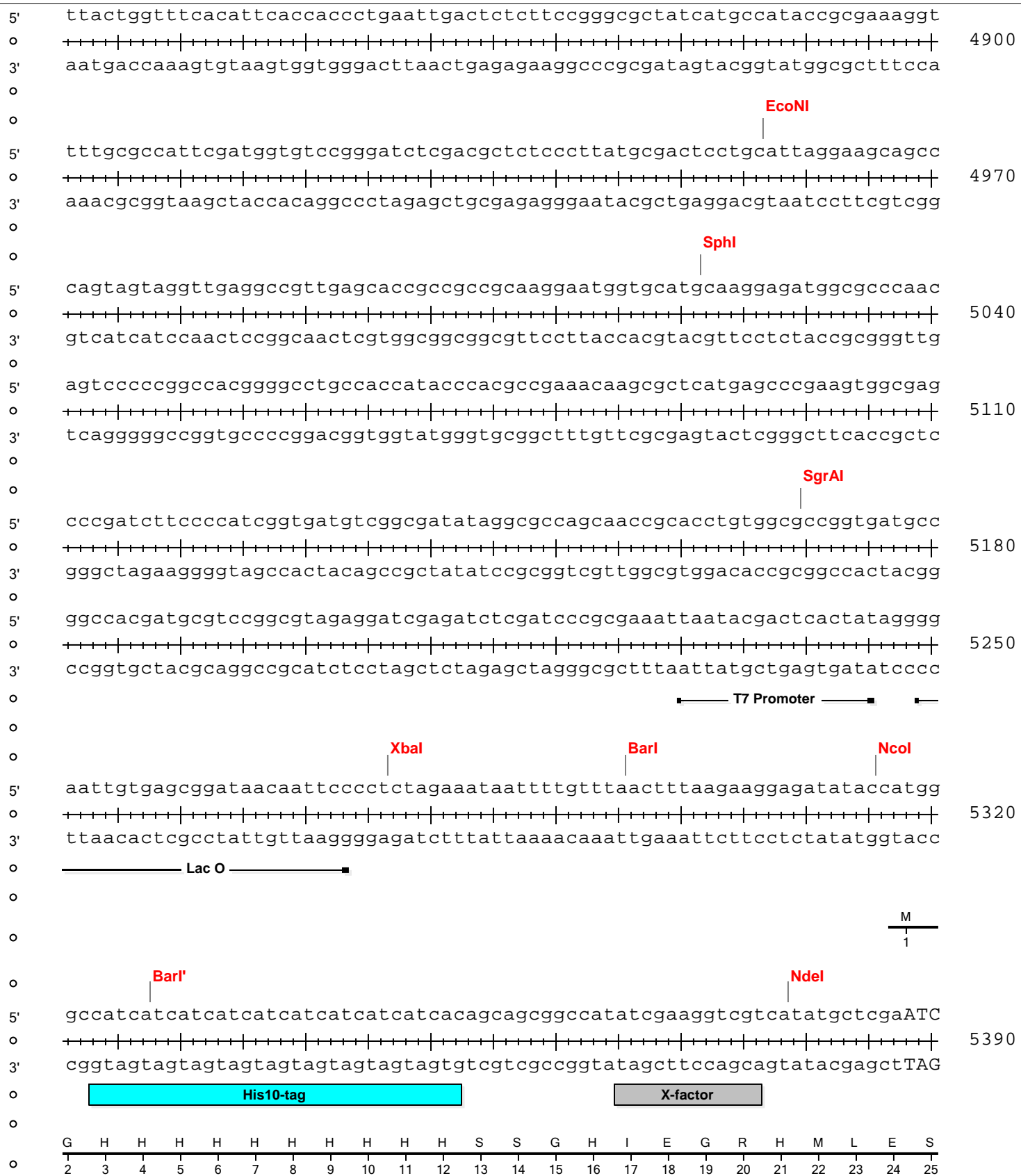
4760

Lac I

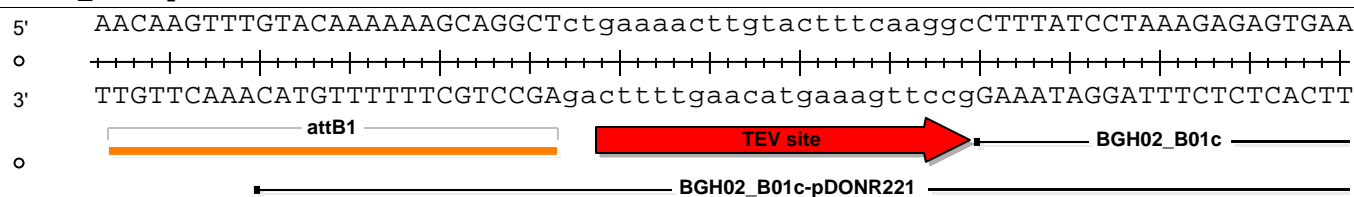
5' ctggcctgggttcaccacgcgggaaacggctctgataagagacaccggcatactctgcgacatcgtataacg
 o ++++++
 3' gaccggaccaagtggtgcccctttgccagactattctctgtggccgtatgagacgctgtagcatattgc

4830

BGH02_B01c-pET16-DEST



BGH02_B01c-pET16-DEST



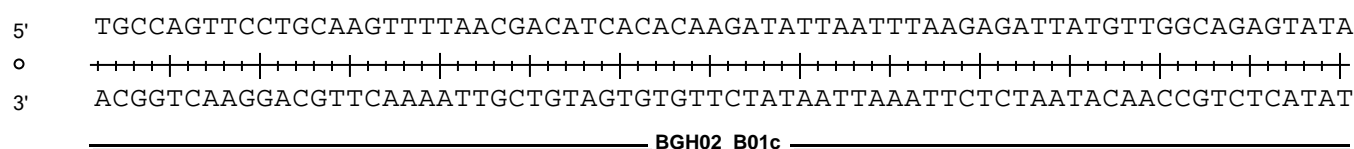
5460

T S L Y K K A G S E N L Y F Q G L Y P K E S E
 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48



5530

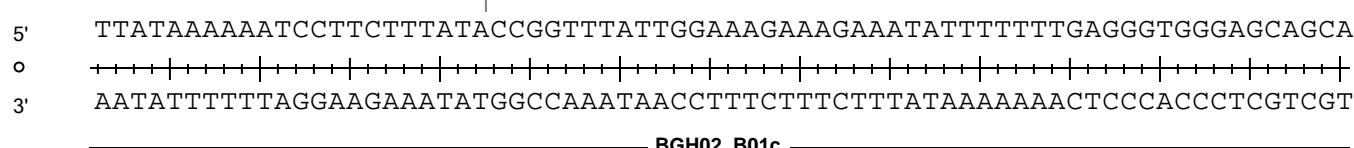
T R E V K D L S G V W E F R T E S D K N Y I L
 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71



5600

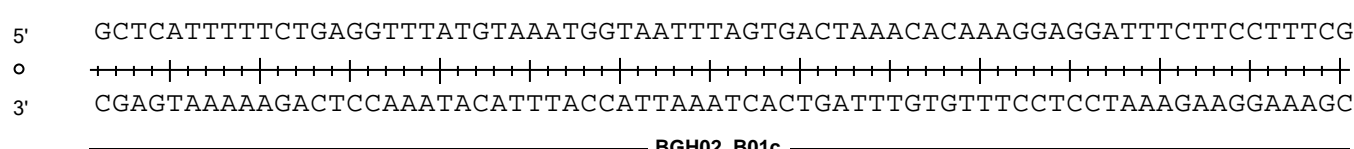
M P V P A S F N D I T Q D I N L R D Y V G R V Y
 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95

Agel



5670

Y K K S F F I P V Y W K E R N I F L R V G A A
 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118



5740

A H F S E V Y V N G N L V T K H K G G F L P F
 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141

BGH02_B01c-pET16-DEST

5' AGGCAGAGATCTCTAAATTTGTAAATTATGGACAAGAAAATATTATAGAAATTATGGTAGACAACACTTT
 3' TCCGTCCTCTAGAGATTTAAACATTTAATACCTGTTCTTTTATAATATCTTTAATACCATCTGTTGTGAAA

5810

BGH02_B01c

BGH02_B01c-pDONR221

E A E I S K F V N Y G Q E N I I E I M V D N T L
 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165

Nsil

5' AACTTGGGATGTTCTTCCTCCTGGAGAATTTAAAGTTATTGAGGACGAAATGCATCCTAAAGGATATAAG
 3' TTGAACCCTACAAGAAGGAGACCTCTTAATTTTCAATAACTCCTGCTTTACGTAGGATTTCTTATATTC

5880

BGH02_B01c

BGH02_B01c-pDONR221

T W D V L P P G E L K V I E D E M H P K G Y K
 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188

5' GTTTTGAATTATTATTTTGATTTTTTTAATTAATCTGGAATTCACAGGCCTGTGGTAATATATAACCACTC
 3' CAAAACCTTAATAATAAACTAAAAAATTAATGAGACCTTAAGTGTCGGACACCATTATATATGGTGAG

5950

BGH02_B01c

BGH02_B01c-pDONR221

V L N Y Y F D F F N Y S G I H R P V V I Y T T
 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211

Bsu36I

5' CTAAGGTATATATTAAGATTTTTCTGTTATTACTGAACTAAGTAATAATTCTGCATTGGTAAAGTACAG
 3' GATTCCATATATAATTTCTAAAAAGACAATAATGACTTGATTCAATTATTAAGACGTAACCATTTTCATGTC

6020

BGH02_B01c

BGH02_B01c-pDONR221

P K V Y I K D F S V I T E L S N N S A L V K Y S
 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235

5' TATTGAAAGTGAAGGTAATAATTTTCAAGTTATTTTAAAGAGATAAAGATAAAAATATAGTAGCAGAGAAAT
 3' ATAACCTTCACTTCCATTATTTAAAGTTCAATAAAAATCTCTATTTCTATTTTATATCATCGTCTCTTA

6090

BGH02_B01c

BGH02_B01c-pDONR221

I E S E G N N F Q V I L R D K D K N I V A E N
 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258

BGH02_B01c-pET16-DEST

5' TTTGGTAAATCAGGAGTTTTAGAGGTAAAAAATCCAAAATTATGGGAGCCTGGAAATCCTTATCTATATA
 6160
 3' AAACCATTTAGTCCTCAAATCTCCATTTTTTAGGTTTTAATACCCTCGGACCTTTAGGAATAGATATAT

————— BGH02_B01c —————

————— BGH02_B01c-pDONR221 —————

○
 ○ F G K S G V L E V K N P K L W E P G N P Y L Y
 ○ 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281

5' ATTTAGAGATTAACTTTTTGGAAAAGACAACCTTTGATATTTATAGAATGGACATAGGAATAAGGACGGT
 6230
 3' TAAATCTCTAATTTGAAAACCTTTTTCTGTTGAAACTATAAATATCTTACCTGTATCCTTATTCCTGCCA

————— BGH02_B01c —————

————— BGH02_B01c-pDONR221 —————

○
 ○ N L E I K L L E K D N F D I Y R M D I G I R T V
 ○ 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305

5' AAGAGTAGAGGGAAAACAGTTTCTTATAAATGAGAAACCATTTTACTTTAAGGGTTTTGGTAAGCATGAG
 6300
 3' TTCTCATCTCCCTTTTGTCAAAGAATATTTACTCTTTGGTAAAATGAAATTCCAAACCATTCGTACTC

————— BGH02_B01c —————

————— BGH02_B01c-pDONR221 —————

○
 ○ R V E G K Q F L I N E K P F Y F K G F G K H E
 ○ 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328

5' GACTCAGATATAAGGGGAAAAGGTTTAGATCAAGTTATTAACATTAAAGATTTTAATTTATTGAAATGGA
 6370
 3' CTGAGTCTATATTCCTTTTCCAAATCTAGTTCAATAATTGTAATTTCTAAAATTAATAACTTTACCT

————— BGH02_B01c —————

————— BGH02_B01c-pDONR221 —————

○
 ○ D S D I R G K G L D Q V I N I K D F N L L K W
 ○ 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351

5' TAGGGGCAAACCTTTTTAGAACCTCTCACTATCCCTATAGCGAGGAGATACTTTTCCTTGCTGACCAATA
 6440
 3' ATCCCCGTTTGAGAAAATCTTGAGAGTGATAGGGATATCGCTCCTCTATGAAAAGGAACGACTGGTTAT

————— BGH02_B01c —————

————— BGH02_B01c-pDONR221 —————

○
 ○ I G A N S F R T S H Y P Y S E E I L F L A D Q Y
 ○ 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375

BGH02_B01c-pET16-DEST

5' TGGGATAGCTGTTATTGAGGAAGCTCCAGCTGTTGGGTAAATTTATGGAACCGTAATGAAAAAGTTTTT
 0
 3' ACCCTATCGACAATAACTCCTTCGAGGTCGACAACCCAATTTAAATACCTTGGCATTACTTTTTCAAAAA

6510

BGH02_B01c

BGH02_B01c-pDONR221

G I A V I E E A P A V G L N L W N R N E K V F
 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398

5' ACTGAAGGAAGGGTTGATGGAAAGACATTAGAGCATCATTTAGAAATTATGAGGGAACCTTATAGCGAGGG
 0
 3' TGACTTCCTTCCCAACTACCTTTCTGTAATCTCGTAGTAAATCTTTAATACTCCCTTGAATATCGCTCCC

6580

BGH02_B01c

BGH02_B01c-pDONR221

T E G R V D G K T L E H H L E I M R E L I A R
 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421

5' ATAAAAATCATCCGAGTGTAAATTATGTGGAGCGTAGCTAATGAGGCGGCAACTTACGAAGATGGAGCAGA
 0
 3' TATTTTATAGTAGGCTCACATTAATACACCTCGCATCGATTACTCCGCCGTTGAATGCTTCTACCTCGTCT

6650

BGH02_B01c

BGH02_B01c-pDONR221

D K N H P S V I M W S V A N E A A T Y E D G A E
 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445

5' GGAATATTTTAGGAGAGTTATAGAGGAAACAAGAAGGCTCGATCCTACAAGACCAATAACCATAGTAGAA
 0
 3' CCTTATAAAATCCTCTCAATATCTCCTTTGTTCTTCCGAGCTAGGATGTTCTGGTTATTGGTATCATCTT

6720

BGH02_B01c

BGH02_B01c-pDONR221

E Y F R R V I E E T R R L D P T R P I T I V E
 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468

5' AATACTAAGGCAAGTGAGACGAAAGTAAGTAAATATGTTGATGTGATATGTGTTAATAGATACTATTCAT
 0
 3' TTATGATTCCGTTCACTCTGCTTTCATTCATTTATAACAACACTATAACAATTATCTATGATAAGTA

6790

BGH02_B01c

BGH02_B01c-pDONR221

N T K A S E T K V S K Y V D V I C V N R Y Y S
 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491

