



BGH13\_B05a3-pET16-DEST

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700

Ap

PstI

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Ap

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840

Ap

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910

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BsaI

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980

Ap

AhdI

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1050

Ap

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1120

Ap

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1190

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1260

Ori

BGH13\_B05a3-pET16-DEST

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 Ori

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 Ori

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 1540  
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 Ori

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 Ori

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 Ori

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 Ori

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 Ori

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 Ori

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Pcil



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FspAI MscI Aval BmeT110I

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BsmI

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Lac I

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o

PspOMI      ApaI                      BstEII

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Lac I

---

o

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Lac I

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Lac I

---

o

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Lac I

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Lac I

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Lac I

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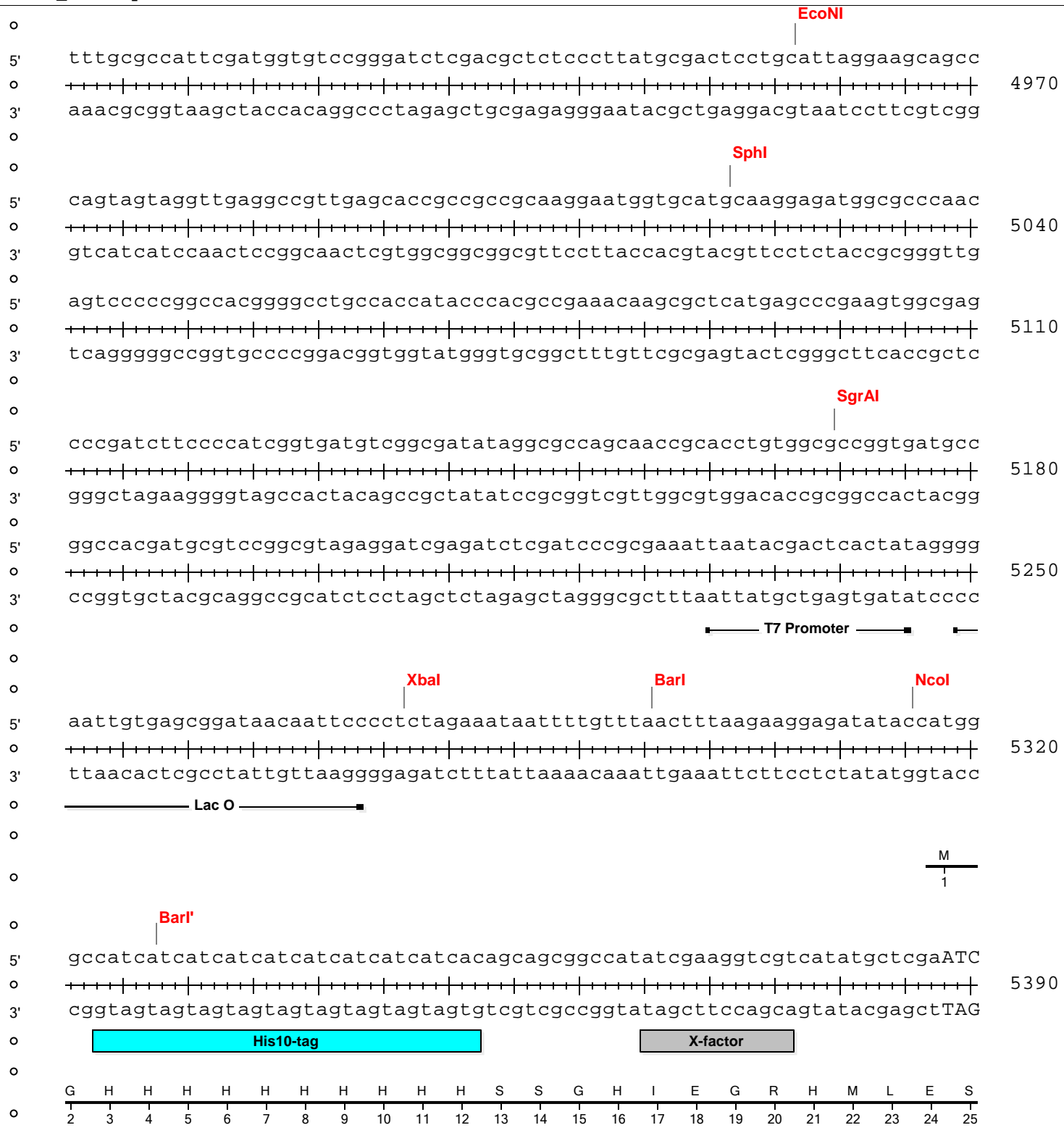
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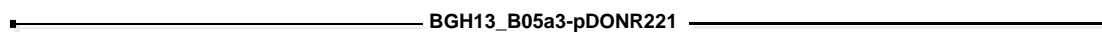




Stul

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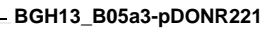
5460



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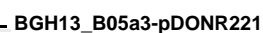
5530



W H M Q K G D E N Y V V N R G I A L H K M I R  
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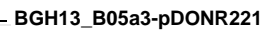
5600



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

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CTAGCTAAAAGGCGCACTTCCATTACCTACCAGAACATTCATACGGGCAGCAGTCCACCTAGACCATCTA

5670



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

5' AACAGAATCTGGCTTATCACTACATGGGGGACTTTGATGCTGAGATGCTGAAAGTGATCAAGAGTGTGA  
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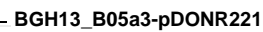
5740



N K N L A Y H Y M G D F D A E M L K V I K S V  
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TTCTAAAGGTCCGCTGAGGCCAGGTCTCTAGACCGTATTACTACCACTAGTCCATAACCGAATACCTGC

5810



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

BGH13\_B05a3-pET16-DEST

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 0 ++++++  
 3' ATTCCTAGACTATAAACATAAATTGAAGTTAGGCTTTGTTCAGAAAACATCTAATACCAAAGGAGCAATCA

————— BGH13\_B05a3-pDONR221 —————

K D L I F V F N F N P K Q S F V D Y G F L V S  
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5880

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 0 ++++++  
 3' GGCCCTCGAATACTTCATTAGAACTTATGCCTATTACAACGTAAACCGCCTTTACCAGAACGTCTACTAA

————— BGH13\_B05a3-pDONR221 —————

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

5950

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 0 ++++++  
 3' GTCATCAAGTAAAGTGCTAACGGCTAGGCAACATATTTCTTCTTTCTTCTCACCGACTTTGAGATATA

————— BGH13\_B05a3-pDONR221 —————

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

6020

5' TCCTGCACGTACAGCTGTTGTTTTGAGAAAGAAGAAAATAGGACCCAGCTTTTCTTGTACAAAGTGGTTGAT  
 0 ++++++  
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————— BGH13\_B05a3-pDONR221 —————

attB2

6090

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————— T7 Terminator —————

6160

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————— T7 Terminator —————

6230

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 3' atagggcgttctccgggcccgtcatggccgtattggttcggatacggatgctgtaggtcccactgccacgg

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6300

6370

BamHI

BlnI

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o

HindIII

EcoRI

6418