



## BGH13\_B05a1-pET16-DEST

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700

Ap

PstI

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Ap

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BGH13\_B05a1-pET16-DEST

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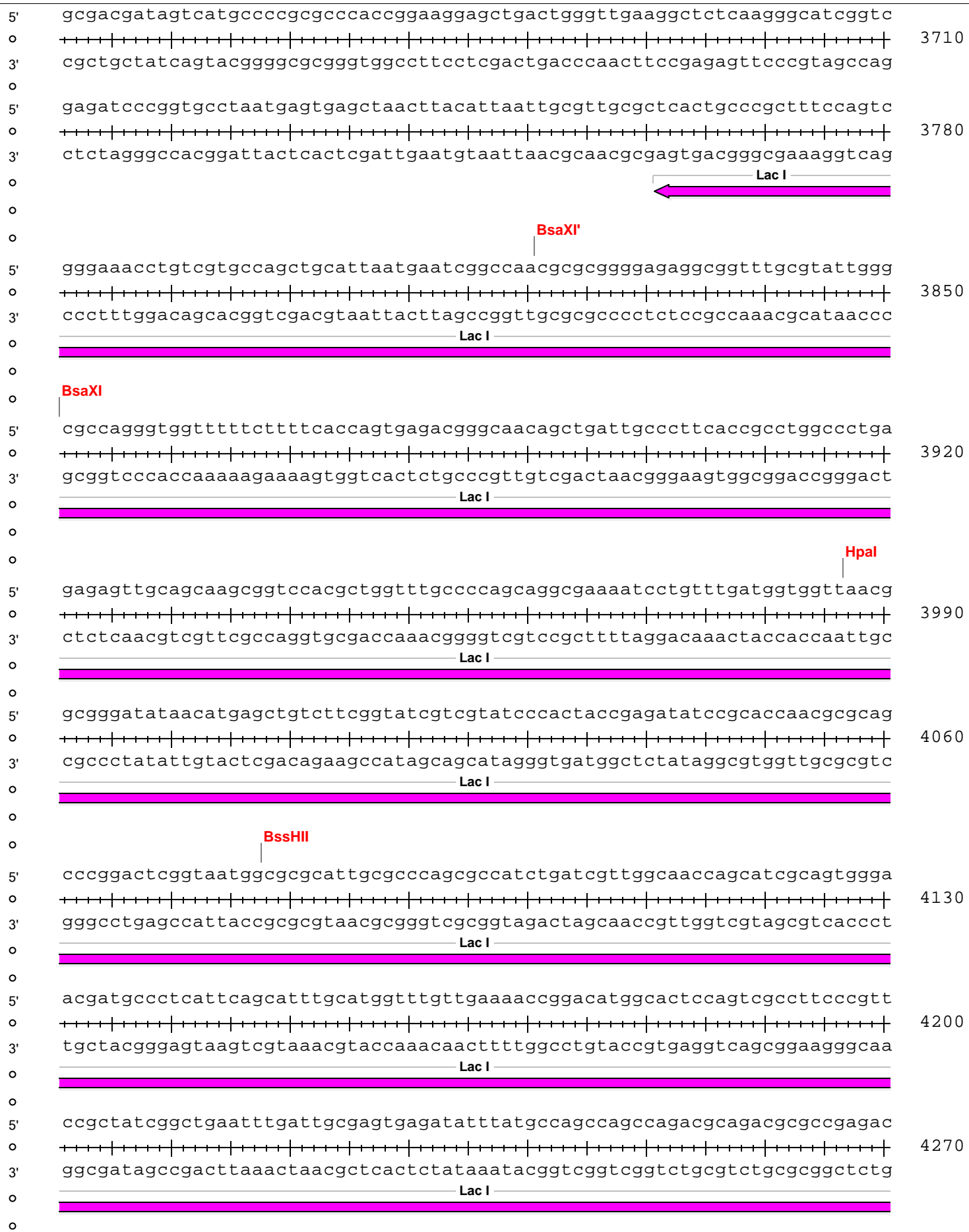
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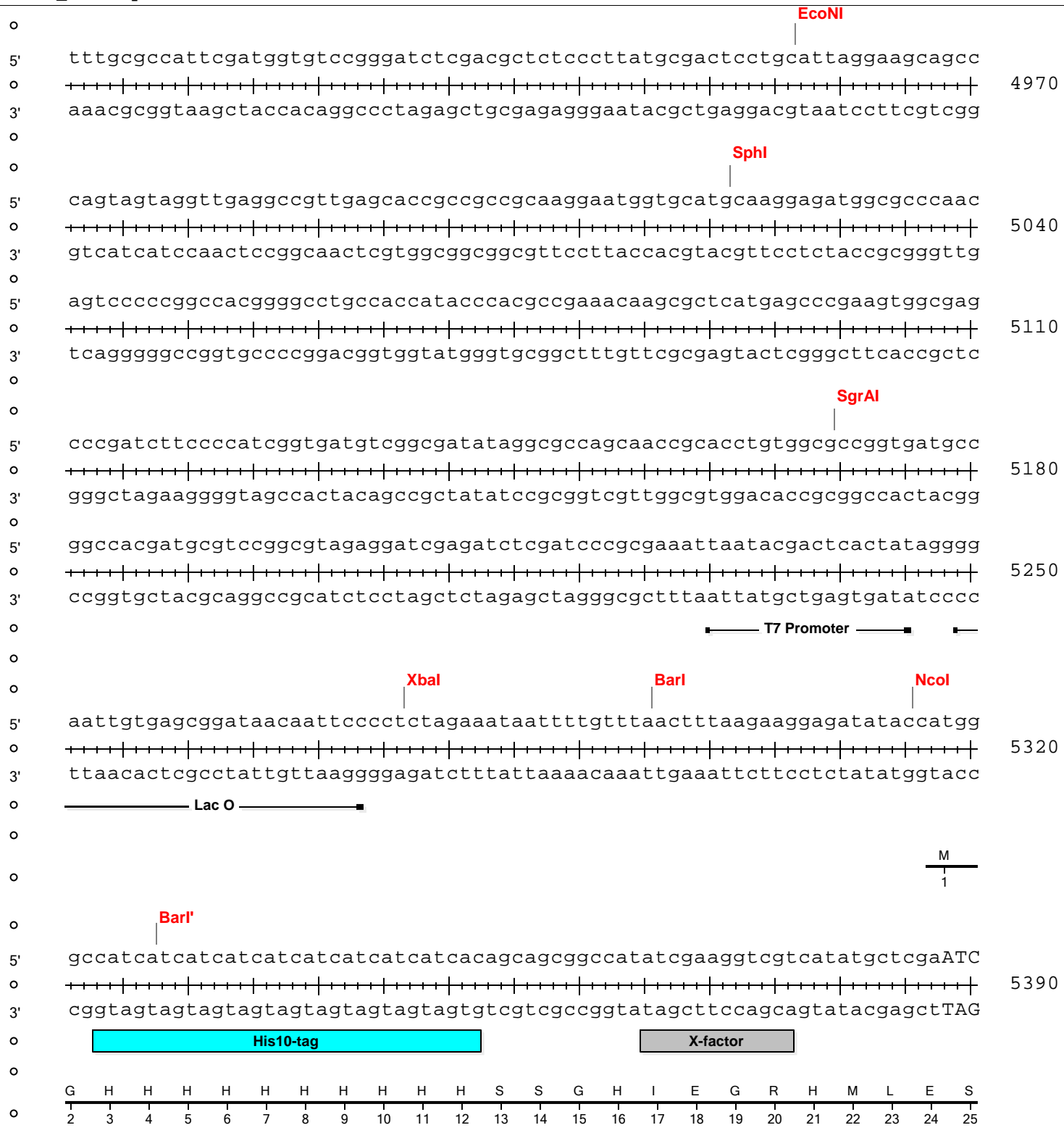
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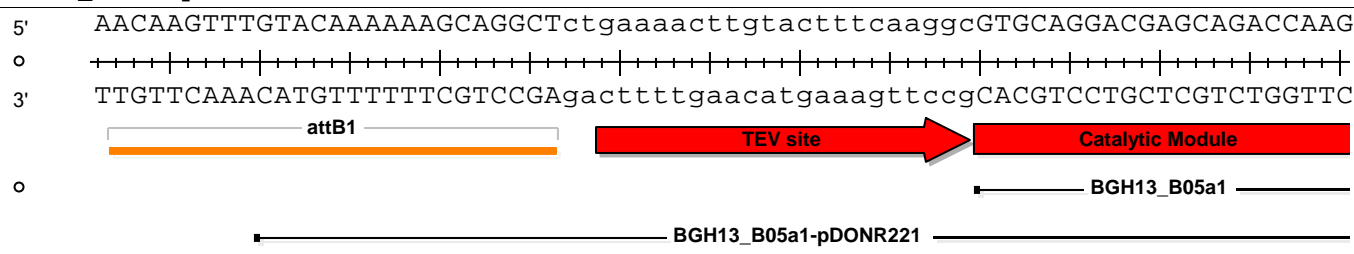


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Lac I  
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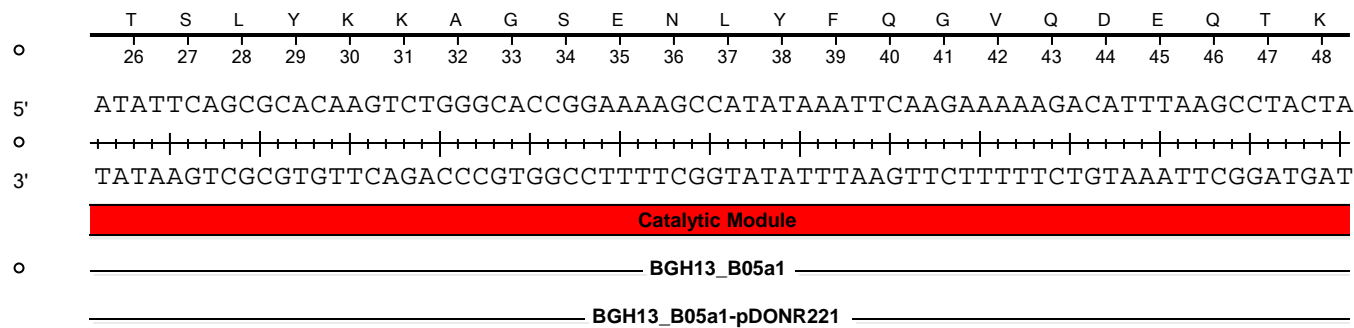




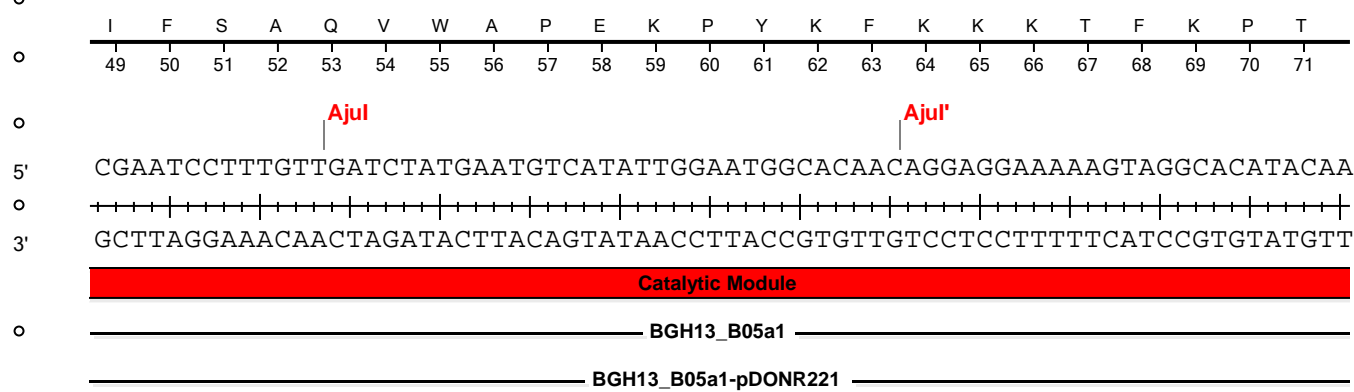
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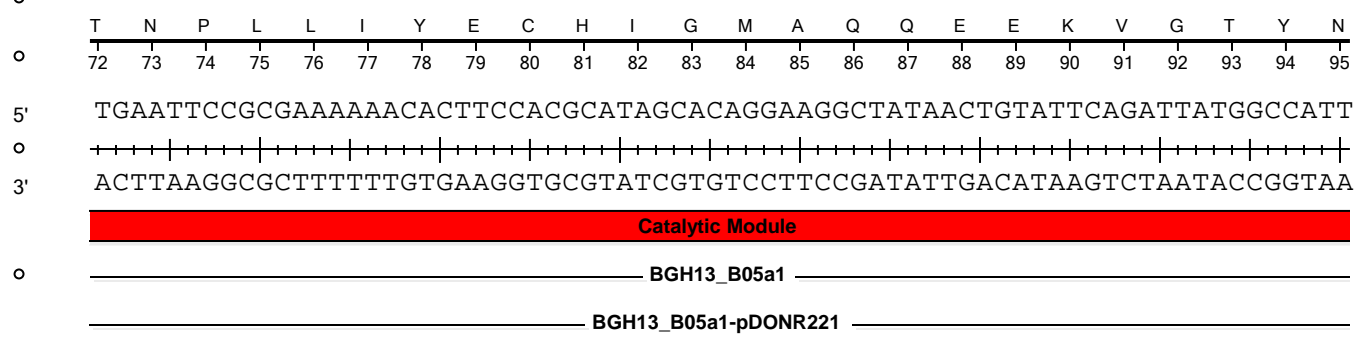
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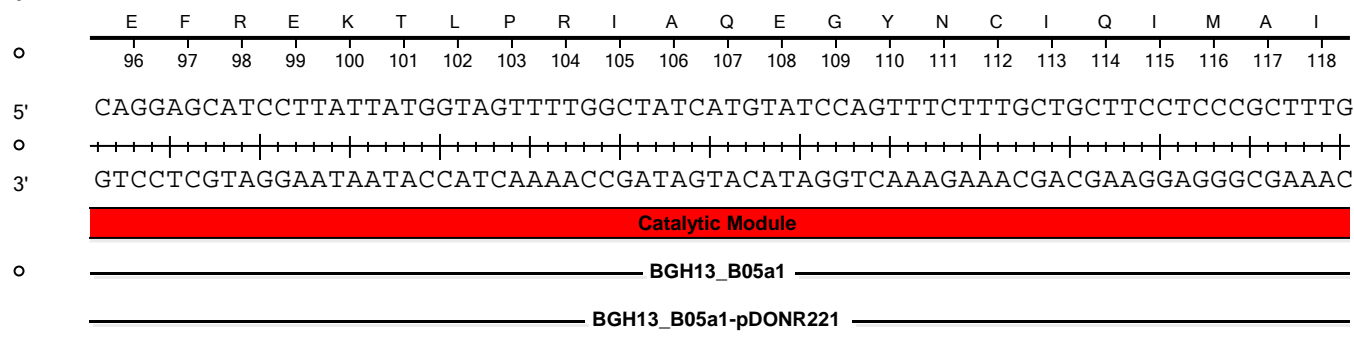
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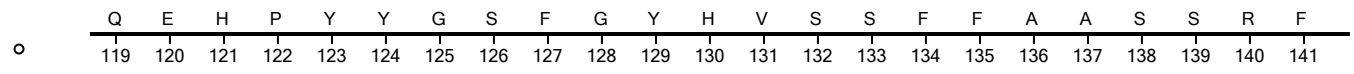
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5670



5740



BGH13\_B05a1-pET16-DEST

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5810



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

5' TGTCCATTCTCATGCGGTGAAAAACGAAGTGAAGGTTTGGGCAACTTTGCCGGTGATCCGAACCAGTAT  
 3' ACAGGTAAGAGTACGCCACTTTTTGCTTCACCTTCCAAACCCGTTGAAACGGCCACTAGGCTTGGTTCATA

5880



V H S H A V K N E V E G L G N F A G D P N Q Y  
 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188

**BseRI**

5' TTCTATCCGGCTCCTCGTCGTGAGCATCCGGCATGGGATTCACTATGCTTTGATTATGGTAAAAATGAAG  
 3' AAGATAGGCCGAGGAGCAGCACTCGTAGGCCGTACCCCTAAGTGATACGAACTAATACCATTTTTACTTC

5950



F Y P A P R R E H P A W D S L C F D Y G K N E  
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5' TGATCCATTTCTTATTGTCCAACGTAAATACTGGCTGGAAGAATATAAGTTTGACGGATTCCGTTTTGA  
 3' ACTAGGTAAAGAATAACAGGTTGACATTTATGACCGACCTTCTTATATTCAAACCTGCCTAAGGCAAACCT

6020



V I H F L L S N C K Y W L E E Y K F D G F R F D  
 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' CGGTGTGACGTCTATGTTGTATTATAGCCACGGGTTGGGAGAAGCATTCTGTAATTATGGAGATTACTTC  
 3' GCCACACTGCAGATAACAATAATATCGGTGCCCAACCCTCTTCGTAAGACATTAATACCTCTAATGAAG

6090



G V T S M L Y Y S H G L G E A F C N Y G D Y F  
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BGH13\_B05a1-pET16-DEST

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 6160  
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Catalytic Module

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5' CGAAGGCTATCTCTATTGCTGAAGAAGTTTCCGGTATGCCGGGACTTGCCGCCAAAGTAGAAGATGGCGG  
 6230  
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Catalytic Module

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5' TTACGGATTTGATTACCGTATGGCTATGAACATCCCTGATTACTGGATCAAGACTATCAAGGAAAAGATT  
 6300  
 3' AATGCCTAAACTAATGGCATAACCGATACTTGTAGGGACTAATGACCTAGTTCTGATAGTTTCTTTTCTAA

Catalytic Module

BGH13\_B05a1

BGH13\_B05a1-pDONR221

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5' GATGAGGACTGGAAACCTTCCAGTATGTTCTGGGAAGTAACCAACCGTCGTCAGGATGAAAAGACGATCT  
 6370  
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Catalytic Module

BGH13\_B05a1

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D E D W K P S S M F W E V T N R R Q D E K T I  
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5' CTTATGCGGAAAGTCATGATCAGGCATTGGTAGGAGACAAGACTATTATTTTCCGTCTGATTGATGCCGA  
 6440  
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Catalytic Module

BGH13\_B05a1

Unknown

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BGH13\_B05a1-pET16-DEST

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6510

BGH13\_B05a1

Unknown

BGH13\_B05a1-pDONR221

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6580

BGH13\_B05a1

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BGH13\_B05a1-pDONR221

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6650

BGH13\_B05a1

Unknown

BGH13\_B05a1-pDONR221

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6720

BGH13\_B05a1

Unknown

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6790

BGH13\_B05a1

Unknown

AmyC beta sheets

BGH13\_B05a1-pDONR221

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BGH13\_B05a1-pET16-DEST

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6860

BGH13\_B05a1

AmyC beta sheets

BGH13\_B05a1-pDONR221

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6930

BGH13\_B05a1

AmyC beta sheets

BGH13\_B05a1-pDONR221

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7000

BGH13\_B05a1

AmyC beta sheets

BGH13\_B05a1-pDONR221

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7070

BGH13\_B05a1

attB2

AmyC beta sheets

BGH13\_B05a1-pDONR221

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BamHI

BlnI

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7140

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7210

T7 Terminator

