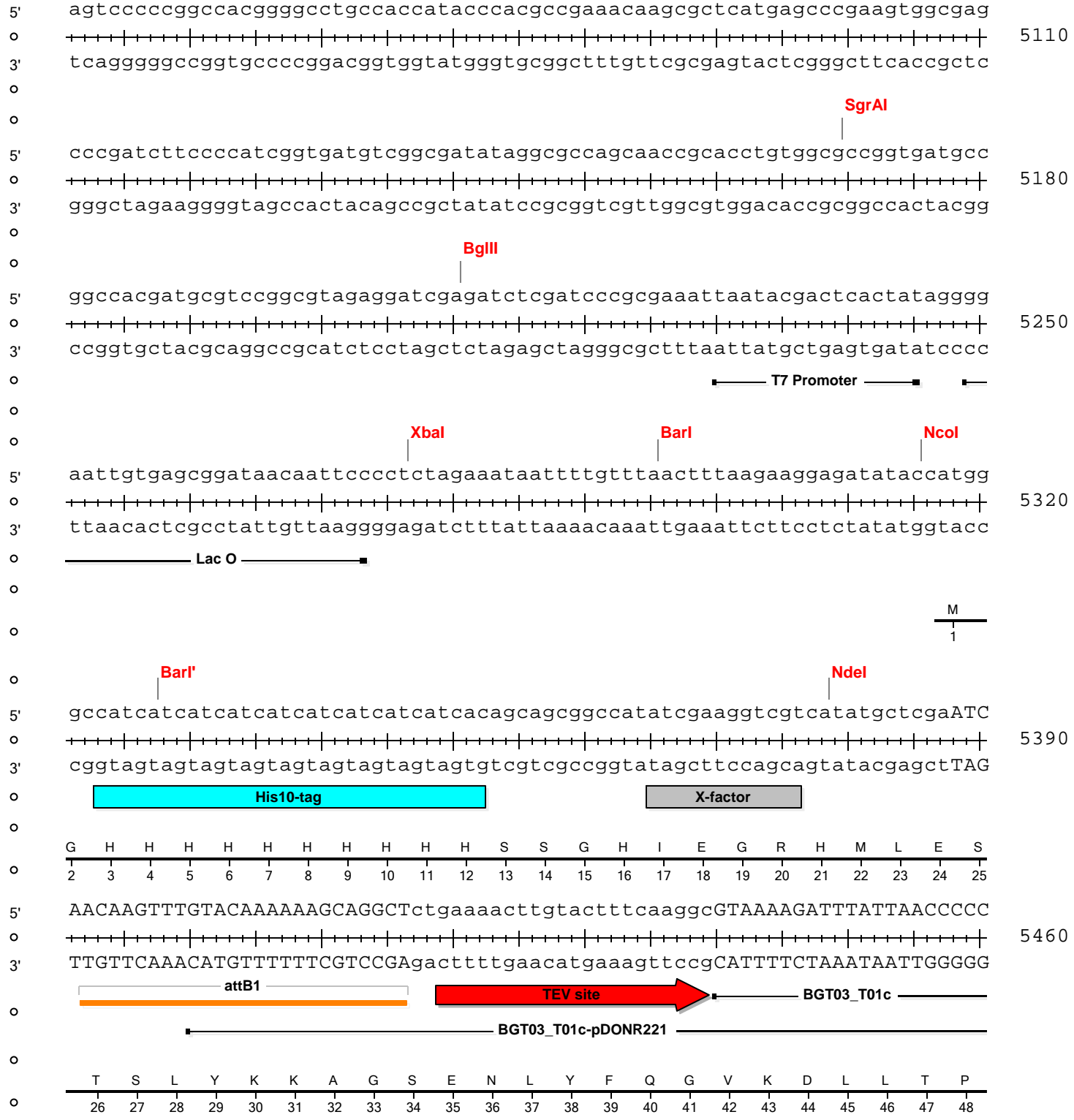


BGT03_T01c-pET16-DEST



G H H H H H H H H S S G H I E G R H M L E S
 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

AACAAGTTTGTACAAAAAAGCAGGCTctgaaaacttgtactttcaaggcGTAAAAGATTTATTAACCCCC
 TTGTTCAAACATGTTTTTTCGTCCGAgacttttgaacatgaaagtccgCATTTTCTAAATAATTGGGGG

attB1 TEV site BGT03_T01c

BGT03_T01c-pDONR221

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

BGT03_T01c-pET16-DEST

Sall

5' GATTATATCTTTCGAGTCCAGCTGGGAAGTATGTAATAAAGTGGGAGGGATATACACCGTATTGTTCGACAC
 3' CTAATATAGAAGCTCAGGTCGACCCTTCATACATTATTTTCACCCTCCCTATATGTGGCATAACAGCTGTG

5530

BGT03_T01c

BGT03_T01c-pDONR221

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

5' GGGCGAATACATTGCAGGAAAAATTCCGCGACAGAATTTTTTTCATAGGTCTCTGATGTGTGGCAAGGAAA
 3' CCCGCTTATGTAACGTCCTTTTAAAGGCGCTGTCTTAAAAAAGTATCCAGGACTACACACCGTTTCCTTT

5600

BGT03_T01c

BGT03_T01c-pDONR221

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

5' AGAGAACCCTCTATTCATCGAGTCGGATAATCTGTGCGCTGACTGGAAAAAGCACGCATTCAAAAACGAT
 3' TCTCTTGGGAGATAAGTAGCTCAGCCTATTAGACACGCGACTGACCTTTTTTCGTGCGTAAGTTTTTGCTA

5670

BGT03_T01c

BGT03_T01c-pDONR221

E N P L F I E S D N L C A D W K K H A F K N 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' CATCTTCCGTCCGTGTAGGACGATGGAATATACCCGGTGAACCCATTGTCATCCTTGTGATTTCCAAC
 3' GTAGAAAGGCAGGCACATCCTGCTACCTTATATGGGCCACTTGGGTAACAGTAGGAACAACAAAGGTTG

5740

BGT03_T01c

BGT03_T01c-pDONR221

H L S V R V G R W N I P G E P I V I L V D F Q
 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141

PsrI

PsrI'

5' CTTTTTTTGAACAGAAGAACGAAATTTACACAGAAATGTGGAATCGTTTTTCAAGTAGACTCGTTGCACGC
 3' GAAAAAACTTGTCTTCTTGCTTTAAATGTGTCTTTACACCTTAGCAAAGTTCATCTGAGCAACGTGCG

5810

BGT03_T01c

BGT03_T01c-pDONR221

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

BGT03_T01c-pET16-DEST

5' AAATCACGAATAACGAGTGCAAGGAATTGCTCGACAAACCGGCAGACGTAGTACTGATGAACGGTTTCGA
 3' TTTAGTGCTTATTGCTCACGTTCTTAACGAGCTGTTTGGCCGCTGCATCATGACTACTTGCCAAAGCT

BstBI

6230

BGT03_T01c

BGT03_T01c-pDONR221

E I T N N E C K E L L D K P A D V V L M N G F E
 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' AGACGATTTTCGTACCTAAAGGCAGTACATTTACCGGAAAACGTAAACGTGCCCGCTCATTGATGTTGAAC
 3' TCTGCTAAAGCATGGATTTCCGTCATGTAAATGGCCTTTTGCATTTGCACGGGCGAGTAACTACAACCTTG

6300

BGT03_T01c

BGT03_T01c-pDONR221

D D F V P K G S T F T G K R K R A R S L M L N
 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328

5' GTAGCCAATAAATTGTTGGGAACAAATCTGGATGACGATACGTTAATTATCGGTACCAGTGGTTCGATATG
 3' CATCGGTTATTTAACAACCCCTTGTTTAGACCTACTGCTATGCAATTAATAGCCATGGTCACCAGCTATAAC

Acc65I KpnI

6370

BGT03_T01c

BGT03_T01c-pDONR221

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

5' AATTCAAGAACAAGGGTATTGACGTATTCCTGGAGTCATTGAACCGTCTGAACAGGGATAAAAAGCTCCA
 3' TTAAGTTCTTGTTCACATAACTGCATAAGGACCTCAGTAACTTGGCAGACTTGTCCCTATTTTTCGAGGT

6440

BGT03_T01c

BGT03_T01c-pDONR221

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

5' TAAGAACGTATTGGCGTTTATCAATGTCCCCGGTTGGGTAGGAGATCCCCGTGAAGACTTGCAGGAACGT
 3' ATTCTTGATAACCGCAAATAGTTACAGGGGCCAACCCATCCTCTAGGGGCACTTCTGAACGTCCTTGCA

6510

BGT03_T01c

BGT03_T01c-pDONR221

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

BGT03_T01c-pET16-DEST

5' TGGCATCAATGATGGAGTGGAGTGCATCGTTTCGGACTATAATGATTCGGAAGTGGCGGATGGCATC
 0 ++++++
 3' ACCGTAGTTACTACCTCACCTTCACGACGTAGCAAGCCTGATATTACTAAGCCTTCACCGCCTACCGTAG

6930

BGT03_T01c

BGT03_T01c-pDONR221

G I N D G V E V L H R S D Y N D S E V A D G I
 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538

5' AAAGATACGATTACGCTGTTTGCAGATAAGTTCGGAAAAAGAAGTGAAGGAGATCCGTAAGCATGCGGCAG
 0 ++++++
 3' TTTCTATGCTAATGCGACAAACGTCTATTCAGCCTTTTCTTCACTTCCTCTAGGCATTTCGTACGCCGTC

7000

BGT03_T01c

BGT03_T01c-pDONR221

K D T I T L F A D K S E K E V K E I R K H A A
 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561

5' ATGTTGCAGAGCAGGCATTGTGAAACACTTCATTCAATATTATTACGAGGCTTATGATATTGCCTTGCG
 0 ++++++
 3' TACAACGTCTCGTCCGTAACACCTTTGTGAAGTAAGTTATAATAATGCTCCGAATACTATAACGGAACGC

7070

BGT03_T01c

BGT03_T01c-pDONR221

D V A E Q A L W K H F I Q Y Y Y E A Y D I A L R
 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585

5' CAATGCCATGAAGCGTCAGTTAGGCTAGGACCCAGCTTCTTGTACAAAGTGGTTGATtcgaggatccgg
 0 ++++++
 3' GTTACGGTACTTCGCAGTCAATCCGATCCTGGGTCGAAAGAACATGTTTCACCAACTAagctcctaggcc

7140

BamHI

BGT03_T01c

attB2

BGT03_T01c-pDONR221

N A M K R Q L G
 586 587 588 589 590 591 592 593 594

5' ctgctaacaaagcccgaaaggaagctgagttggctgctgccaccgctgagcaataactagcataaccct
 0 ++++++
 3' gacgattgtttcgggctttccttcgactcaaccgacgacggtggcgactcgttattgatcgtattgggga

7210

BlnI

T7 Terminator

5' tggggcctctaaacgggtcttgaggggttttttgctgaaaggaggaactatatccggatatcccgaaga
 0 ++++++
 3' accccggagatttgcccagaactccccaaaaaacgactttcctccttgatataggcctatagggcggttct

7280

T7 Terminator

5' ggcccggcagtagccgcataaccaagcctatgcctacagcatccagggtgacggtgcccaggatgacgat
 0 ++++++
 3' ccgggcccgtcatggccgatttggttcggatagcggatgctgtaggtcccactgccacggctcctactgcta

7350

