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280

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AloI'

AloI

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0 ++++++

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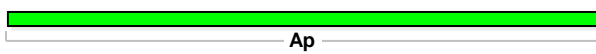
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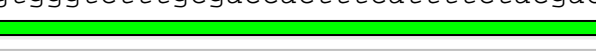
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BGH84_B01c-pET32-DEST

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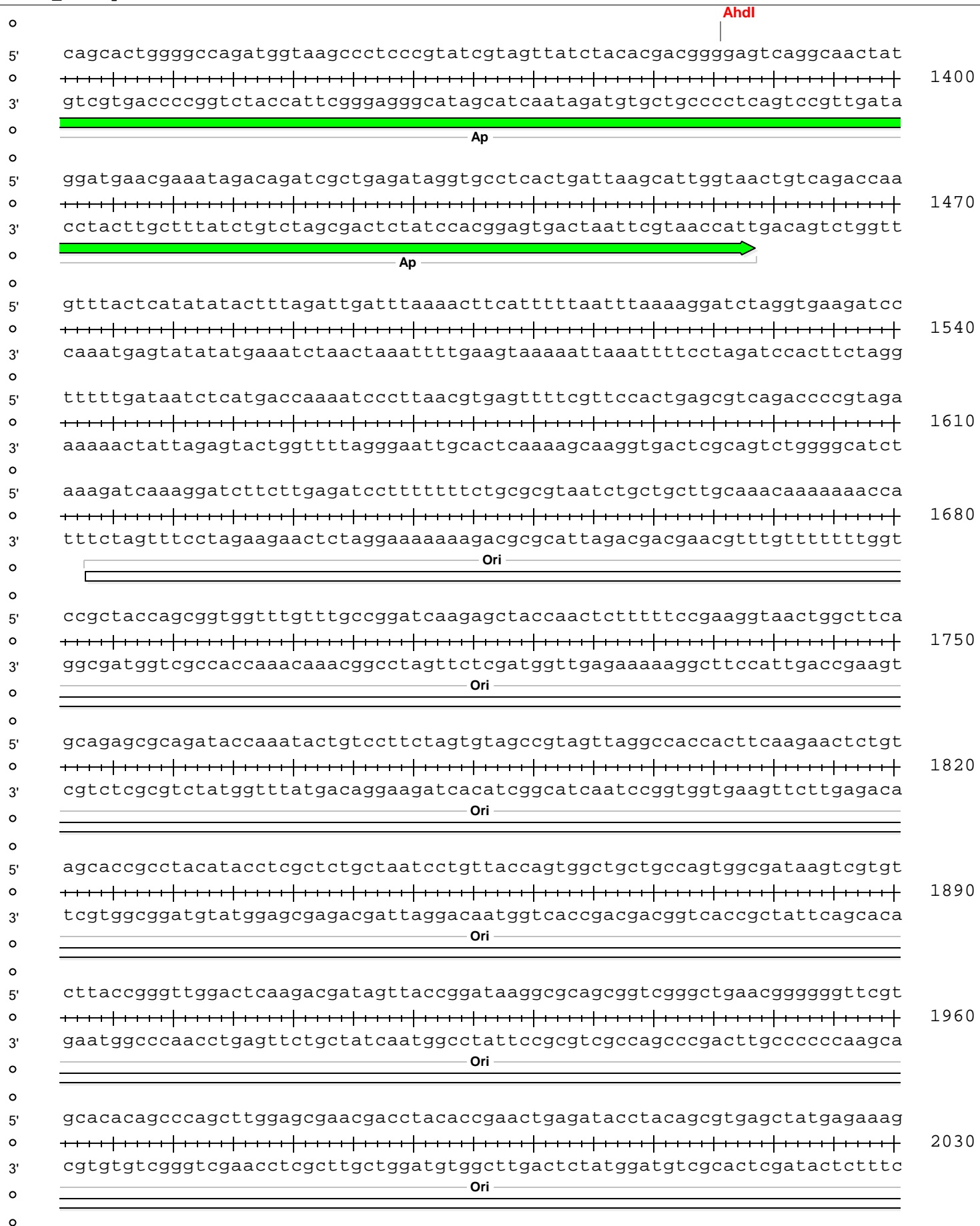
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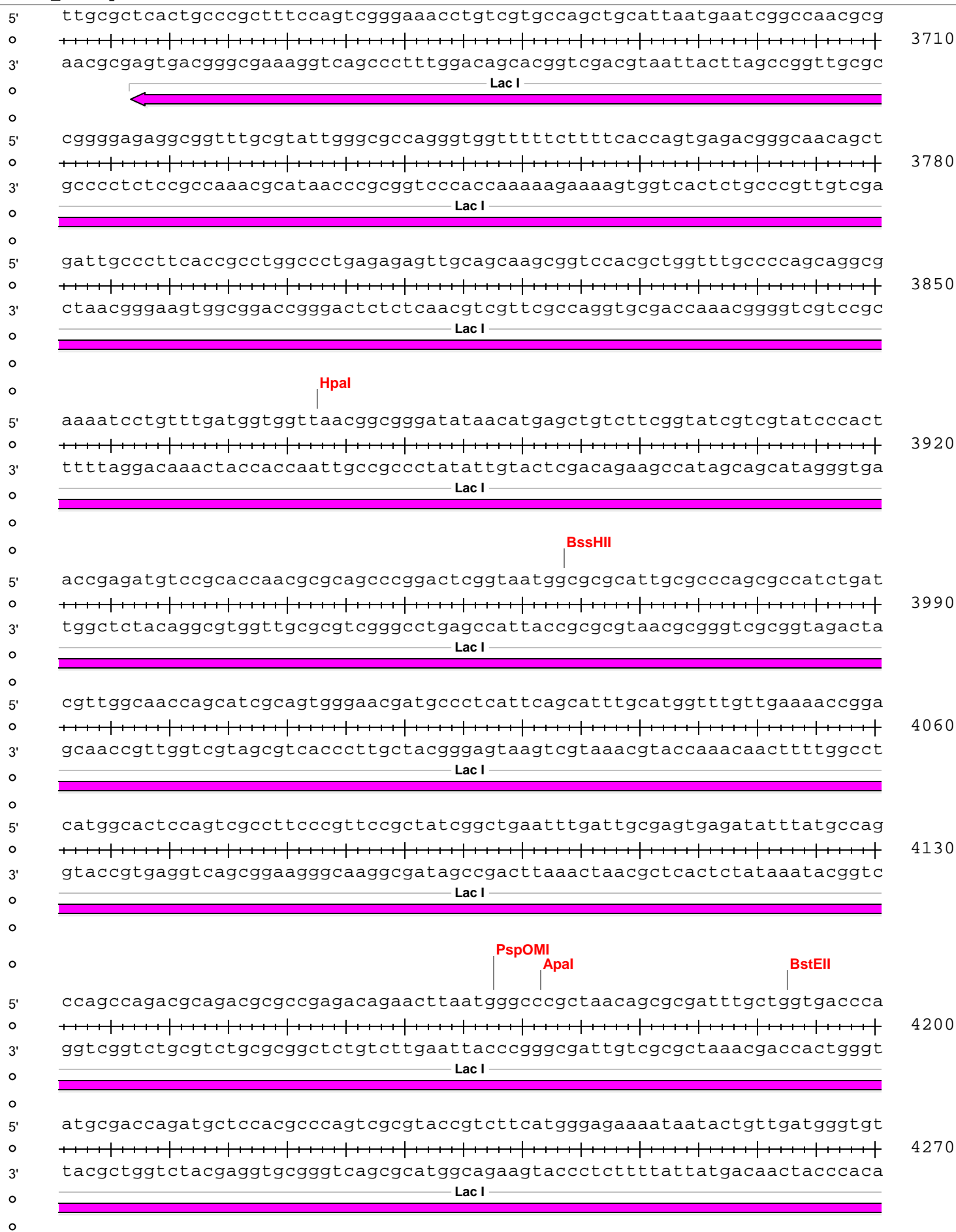
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BGH84_B01c-pET32-DEST

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Lac I

BclI MluI

Lac I

Lac I

Lac I

Lac I

EcoNI

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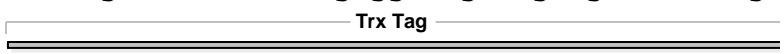
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5180



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5250



M	S	D	K	I	I	H	L	T	D	D	S	F	D
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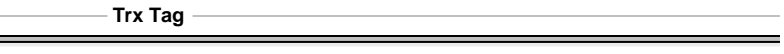
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5390



I	A	P	I	L	D	E	I	A	D	E	Y	Q	G	K	L	T	V	A	K	L	N	I
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o
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5460



D	Q	N	P	G	T	A	P	K	Y	G	I	R	G	I	P	T	L	L	L	F	K	N
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Trx Tag

5530

G E V A A T K V G A L S K G Q L K E F L D A N L
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5600

T...g **His6-tag** **Thrombin**

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BstBI BglIII Acc65I KpnI

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5670

En...e

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5740

Enterokinase **attB1** **TEV site**

BGH84_B01c-pDONR221

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SexAI SwaI

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5810

T... **BGH84_B01c** **BGH84_B01c-pDONR221**

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5880

BGH84_B01c

BGH84_B01c-pDONR221

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5950

BGH84_B01c

BGH84_B01c-pDONR221

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6020

BGH84_B01c

BGH84_B01c-pDONR221

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6090

BGH84_B01c

BGH84_B01c-pDONR221

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6160

BGH84_B01c

BGH84_B01c-pDONR221

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BGH84_B01c-pET32-DEST

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6230

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6300

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6370

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6440

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6510

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————— BGH84_B01c-pDONR221 —————

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BGH84_B01c-pET32-DEST

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6580

BGH84_B01c

BGH84_B01c-pDONR221

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3' TCAAATTTATCTAAATTACTTCTTAAACATTTCCGATTCCTCTACATTTTGGTAATTATTGTCAAGGT

6650

BGH84_B01c

BGH84_B01c-pDONR221

V L N R F N E E F V K A K G D V K P L I T V P
459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481

5' ACAGAGTATGATACTGGAGCTATGGTAAGTAATGGACAACCTAGAGCTTATACTAGAATTTTTGCAGAAA
+
3' TGTCTCATACTATGACCTCGATAACCATTACCTGTTGGATCTCGAATATGATCTTAAAAACGTCTTT

6720

BGH84_B01c

BGH84_B01c-pDONR221

T E Y D T G A M V S N G Q P R A Y T R I F A E
482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504

5' CTGTTGATCCTAGTATAGAAGTTATGTGGACTGGCCCTGGAGTTGTTACAAATGAAATTCCTTTAAGTGA
+
3' GACAACTAGGATCATATCTTCAATACACCTGACCGGGACCTCAACAATGTTTACTTTAAGGAAATTCACT

6790

BGH84_B01c

BGH84_B01c-pDONR221

T V D P S I E V M W T G P G V V T N E I P L S D
505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528

5' TGCACAACCTATAAGTGAATATAACAATAGAAATATGGCAGTATGGTGAATTATCCAGTAACAGATTAT
+
3' ACGTGTGGAATATTCACCTTATATGTTATCTTTATACCGTCATAACACCTTAATAGGTCATTGTCTAATA

6860

BGH84_B01c

BGH84_B01c-pDONR221

A Q L I S G I Y N R N M A V W W N Y P V T D Y
529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551

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Bsu36I

NsiI

5' TTTAAAGGTAAACTTGCCTTAGGACCAATGCATGGATTAGATAAAGGATTAAATCAATATGTAGATTTCT
 3' AAATTTCCATTTGAACGGAATCCTGGTTACGTACCTAATCTATTTCCCTAATTTAGTTATAACATCTAAAGA

6930

BGH84_B01c

BGH84_B01c-pDONR221

F K G K L A L G P M H G L D K G L N Q Y V D F
 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574

5' TTACTGTAAACCCAATGGAGCATGCTGAGCTTTCAAAAATATCAATACACACAGCTGCTGACTATAGCTG
 3' AATGACATTTGGGTTACCTCGTACGACTCGAAAGTTTTTATAGTTATGTGTGTCGACGACTGATATCGAC

7000

BGH84_B01c

BGH84_B01c-pDONR221

F T V N P M E H A E L S K I S I H T A A D Y S W
 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598

MfeI

5' GAATATGGATAACTATGATTATGATAAAGGCTTGGAAATAGAGCAATTGATATGCTTTATGGTGATTTAGCA
 3' CTTATACCTATTGATACTAATACTATTCCGAACCTTATCTCGTTAACTATAACGAAATACCACTAAATCGT

7070

BGH84_B01c

BGH84_B01c-pDONR221

N M D N Y D Y D K A W N R A I D M L Y G D L A
 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621

5' GAAGATATGAAGGTATTTGCAAACCATTCAACAAGAAATGGACAATAAACTTGGGCTAAATCAGGAAGAG
 3' CTTCTATACTTCCATAAACGTTTGTAAGTTGTTCTTACCTGTTATTTTGAACCCGATTTAGTCCTTCTC

7140

BGH84_B01c

BGH84_B01c-pDONR221

E D M K V F A N H S T R M D N K T W A K S G R
 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644

5' AAGACGCTCCAGAGCTTAGAGCAAAAATGGATGAGTTATGGAATAAGTTATCTTCTAAAGAAGATGCAAG
 3' TTCTGCGAGGTCTCGAATCTCGTTTTTACCTACTCAATACCTTATTCAATAGAAGATTTCTTCTACGTTC

7210

BGH84_B01c

BGH84_B01c-pDONR221

E D A P E L R A K M D E L W N K L S S K E D A S
 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668

BGH84_B01c-pET32-DEST

5' TGCTCTTATAGAAGAGTTATATGGCGAGTTTGCAAGAATGGAAGAAGCTTGTATAAATCTAAAGGCAAAT
 0 ++++++
 3' ACGAGAATATCTTCTCAATATACCGCTCAAACGTTCTTACCTTCTTCGAACATTATTAGATTTCCGTTTA

7280

BGH84_B01c

BGH84_B01c-pDONR221

A L I E E L Y G E F A R M E E A C N N L K A N
 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691

5' TTACCTGAAGTTGCTTTAGAAGAATGCTCAAGACAACCTTGATGAACTTATTACTTTAGCTCAAGGGGATA
 0 ++++++
 3' AATGGACTTCAACGAAATCTTCTTACGAGTTCTGTTGAACTACTTGAATAATGAAATCGAGTTCCCCTAT

7350

BGH84_B01c

BGH84_B01c-pDONR221

L P E V A L E E C S R Q L D E L I T L A Q G D
 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714

5' AGGCTTCATTAGATATGATTGTAGCTCAATTAATGAAGATACAGAGGCTTATGAAAGTGCTAAAGAAAT
 0 ++++++
 3' TCCGAAGTAATCTATACTAACATCGAGTTAATTTACTTCTATGTCTCCGAATACTTTCACGATTTCTTTA

7420

BGH84_B01c

BGH84_B01c-pDONR221

K A S L D M I V A Q L N E D T E A Y E S A K E I
 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738

AflIII

5' TGCACAAAATAAATTAATAACAGCCTTAAGTAGCTTTGCAGTTATATCTGAAAAGGTTGCTCAATCATTT
 0 ++++++
 3' ACGTGTTTTATTTAATTTATGTGCGAATTCATCGAAACGTCAATATAGACTTTTCCAACGAGTTAGTAAA

7490

BGH84_B01c

BGH84_B01c-pDONR221

A Q N K L N T A L S S F A V I S E K V A Q S F
 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761

5' ATACAAGAAGCTTTAAGTTTTGATTTAACATTAATATAGGACCCAGCTTTCTTGTACAAAGTGGTTGATa
 0 ++++++
 3' TATGTTCTTCGAAATTCAAACTAAATTGTAATTATATCCTGGGTCGAAAGAACATGTTTCACCAACTAT

7560

BGH84_B01c

BGH84_B01c-pDONR221

attB2

I Q E A L S F D L T L I
 762 763 764 765 766 767 768 769 770 771 772 773 774

