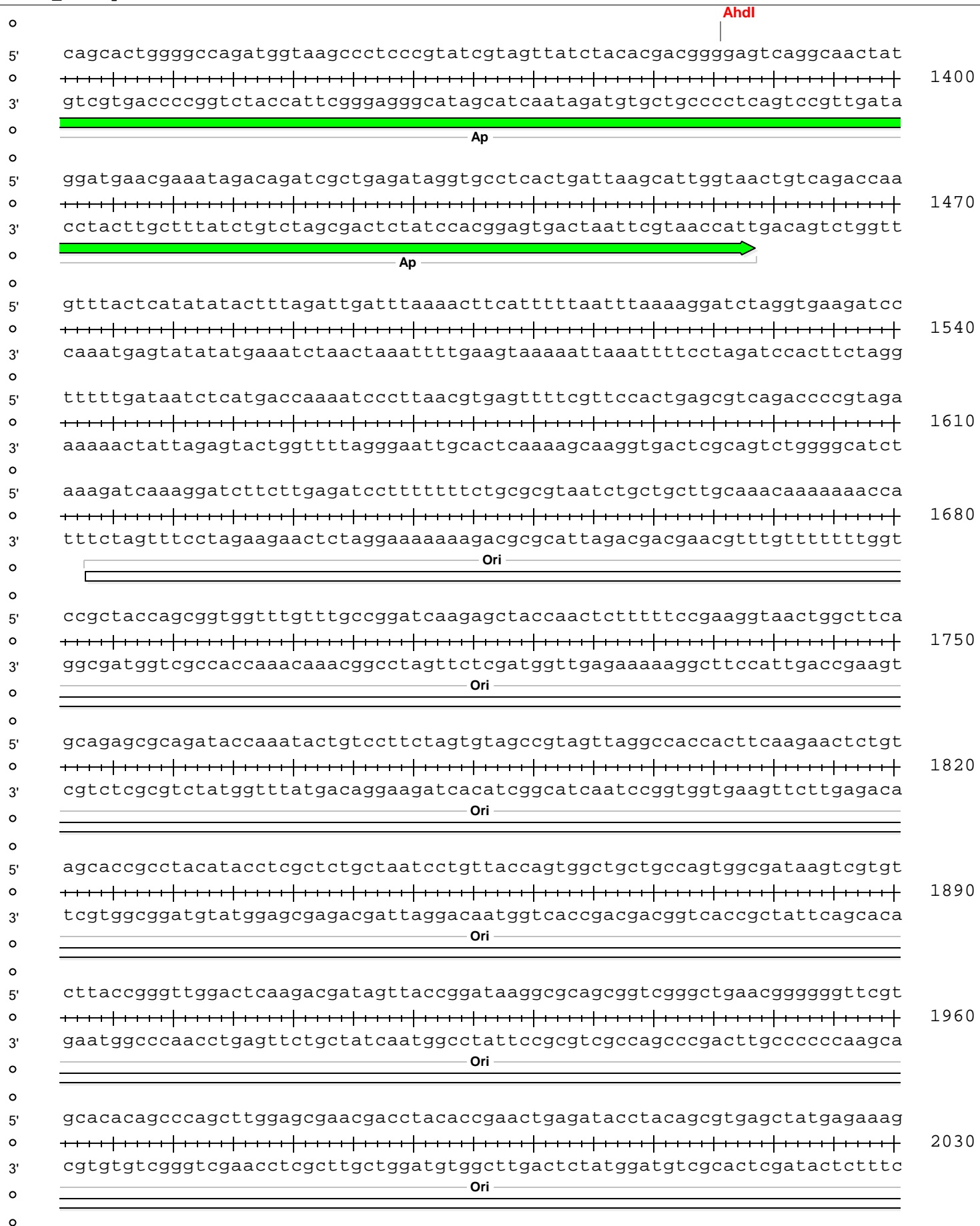


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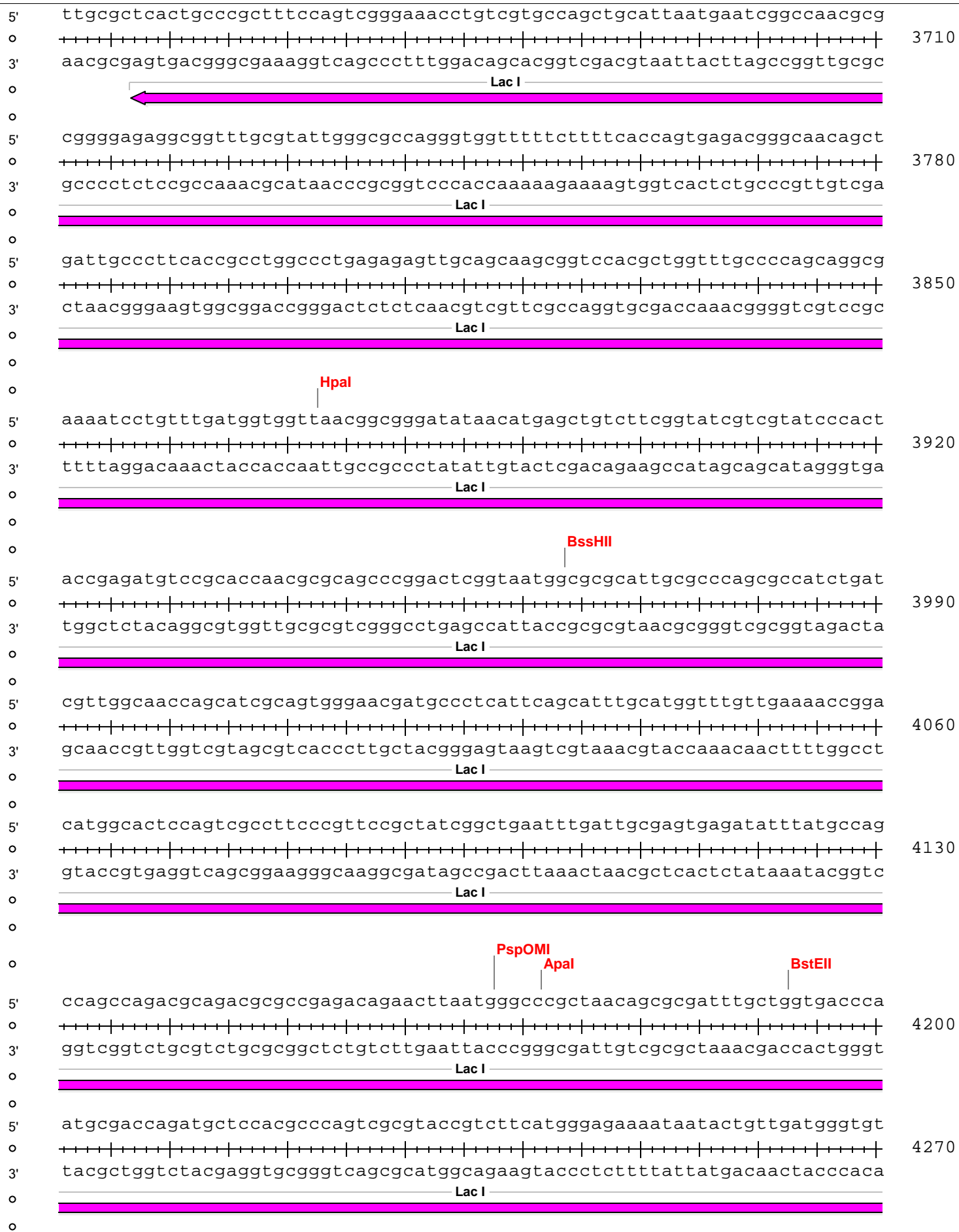
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0
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0  +-----+-----+-----+-----+-----+-----+-----+-----+-----+
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0
5'  gctttccccgtcaagctctaaatcgggggctccctttagggttccgatttagtgctttacggcacctcga
0  +-----+-----+-----+-----+-----+-----+-----+-----+-----+
3'  cgaaaggggcagttcgagatttagcccccgagggaatcccaaggctaaatcacgaaatgcccgtggagct
0
                    Dralll
                    |
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0  +-----+-----+-----+-----+-----+-----+-----+-----+-----+
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0
AolI'              AolI
|                  |
5'  ttgacggtggagtccacgttctttaatagtgactcttggttccaaactggaacaacactcaaccctatct
0  +-----+-----+-----+-----+-----+-----+-----+-----+-----+
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0
                    Psil
                    |
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5'  acaaaaatttaacgcgaattttaacaaaatattaacgcttacaatttaggtggcacttttcggggaaatg
0  +-----+-----+-----+-----+-----+-----+-----+-----+-----+
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                    |
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0  +-----+-----+-----+-----+-----+-----+-----+-----+-----+
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0
                    Ap
                    |
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0  +-----+-----+-----+-----+-----+-----+-----+-----+-----+
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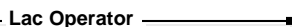
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SgrAI

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XbaI

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 +-----
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BamI

BamI'

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 +-----
 3' caaattgaaattcttcctctatatgtataactcgctattttaataagtgactgactgctgtcaaaactgt



M S D K I I H L T D D S F D
 1 2 3 4 5 6 7 8 9 10 11 12 13 14

RsrII

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 +-----
 3' gcctacatgagtttcgcctgccccgctaggagcagcctaagaccctctcaccacgccaggcacgtttta



T D V L K A D G A I L V D F W A E W C G P C K M
 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

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 +-----
 3' ctagcggggctaaagacctactttagecgaactgcttatagctcccgtttgactggcaacgttttgactttag



I A P I L D E I A D E Y Q G K L T V A K L N I
 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61

5' gatcaaaaccctggcactgcgccgaaatatggcatccgtggatcccgactctgctgctgttcaaaaacg 5460
 +-----
 3' ctagtggggaccgtgacgcggctttataccgtaggcaccatagggctgagacgacgacaagtttttgc



D Q N P G T A P K Y G I R G I P T L L L F K N
 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84

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 3' cacttcaccgcccgttggtttcaccacgtgacagatttccagtcaactttctcaaggagctgcgattgga
 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
 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108

MscI

5' ggccggttctggttctggccatatgcaccatcatcatcattcttctggtctggtgccacgcggttct
 3' ccggccaagaccaagaccggtatacgtggtagtagtagtaagaagaccagaccacggtgcgccaaga
 T...g His6-tag Thrombin

5600

A G S G S G H M H H H H H S S G L V P R G S
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BstBI

BglII

Acc65I

KpnI

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 En...e

5670

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NcoI

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5740

Enterokinase attB1 TEV site
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5810

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5880

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 0
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5950

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 0
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6020

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H L P K L V R D A L K Y M G F D R V S Q E I V
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5' TTTGAATACGAGCCTAAATTATTAAGCCAAGCCGCTTGACTTATTTTATGGCTATTTTCAAGATCCAC
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6090

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5' GATATTTTGATGCTATATCCTCTTTAATCAAGCAAACCTTCACCTACCCCCCCCCCGAAAATGGAAA
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6160

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BGT11_T02b-pET32-DEST

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 6230
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 6300
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5' AAACCTTGATCTTGGCTACCCTTTTATGGACATGACCACTAGGGATAAAGACGAAGAGGCGTATTGGGAC
 6440
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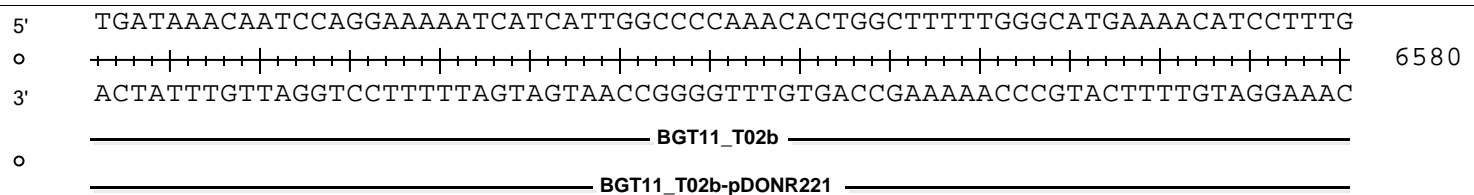
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K E W V K I E S H F E V K S Q K Y N A .
 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478

