

pBLAM1-2-TS2-msfGFP-mKate2 (7946 bp)

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» bla »

10 20 30 40 50 60 70 80 90 100

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» bla »

110 120 130 140 150 160 170 180 190 200 210

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» bla »

RsrII

220 230 240 250 260 270 280 290 300 310 320

TAACATGGGCGATCATGTGACCCGTCTGGATCGTTGGGAACCGAACTGAACGAAGCGATTCCGAACGATGAACGTGATACCACCATGCCGGCAGCAATGGCGACCA
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» bla »

330 340 350 360 370 380 390 400 410 420

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» bla »

430 440 450 460 470 480 490 500 510 520 530

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» bla »

BanII

ApaI

PspOMI

540 550 560 570 580 590 600 610 620 630 640

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» bla »

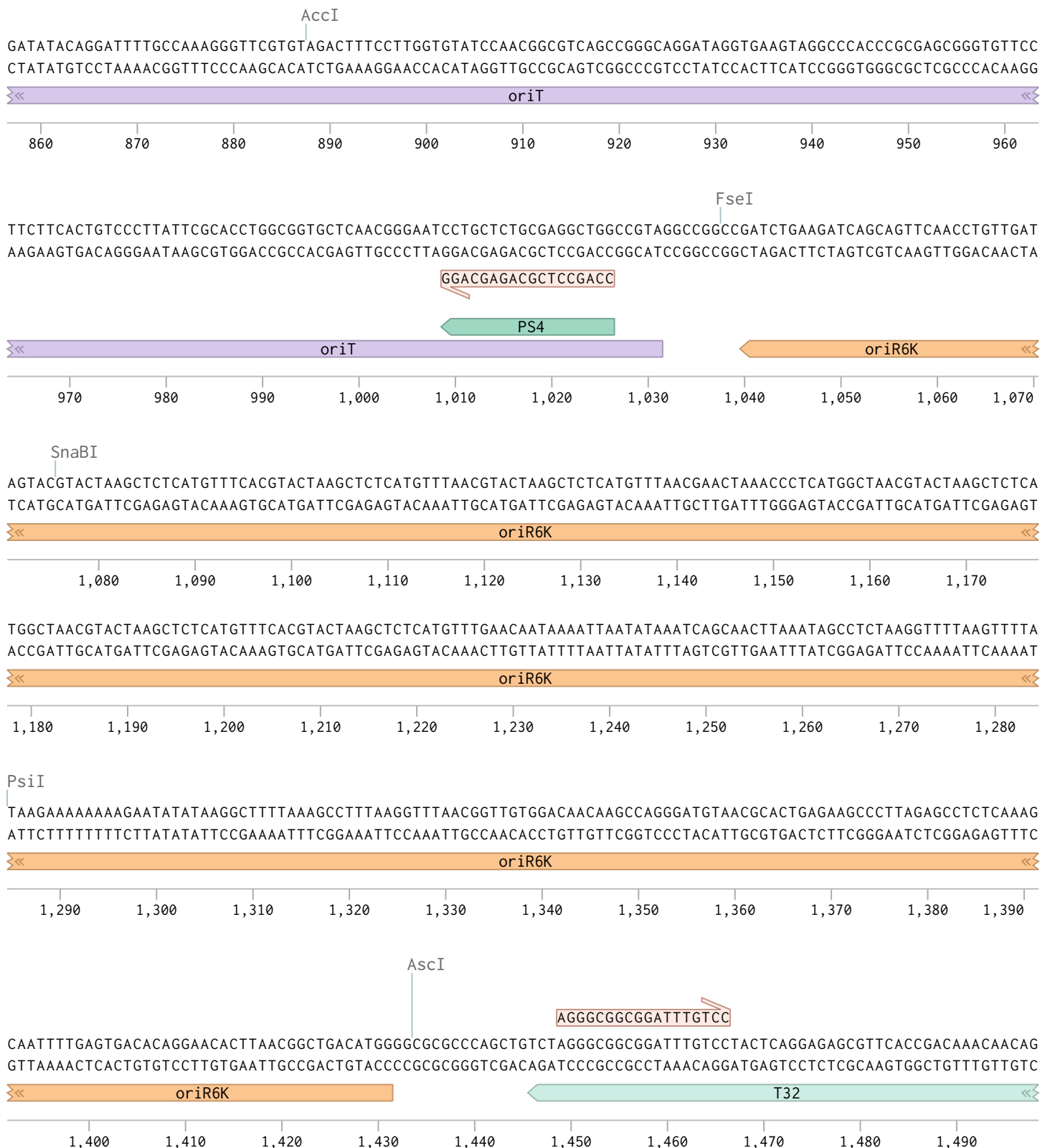
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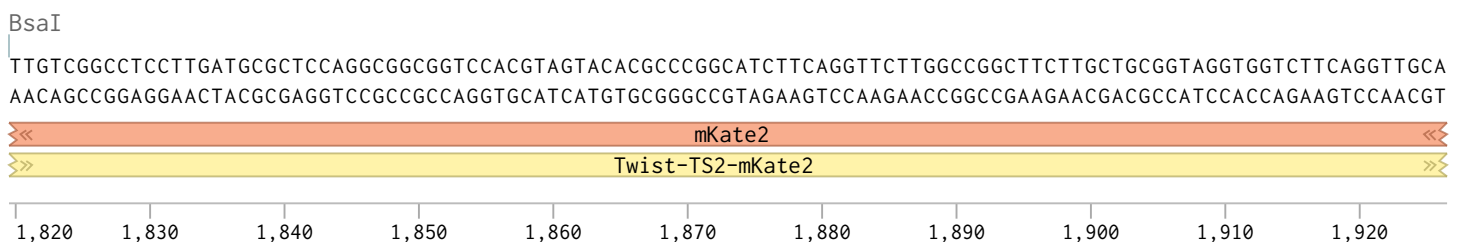
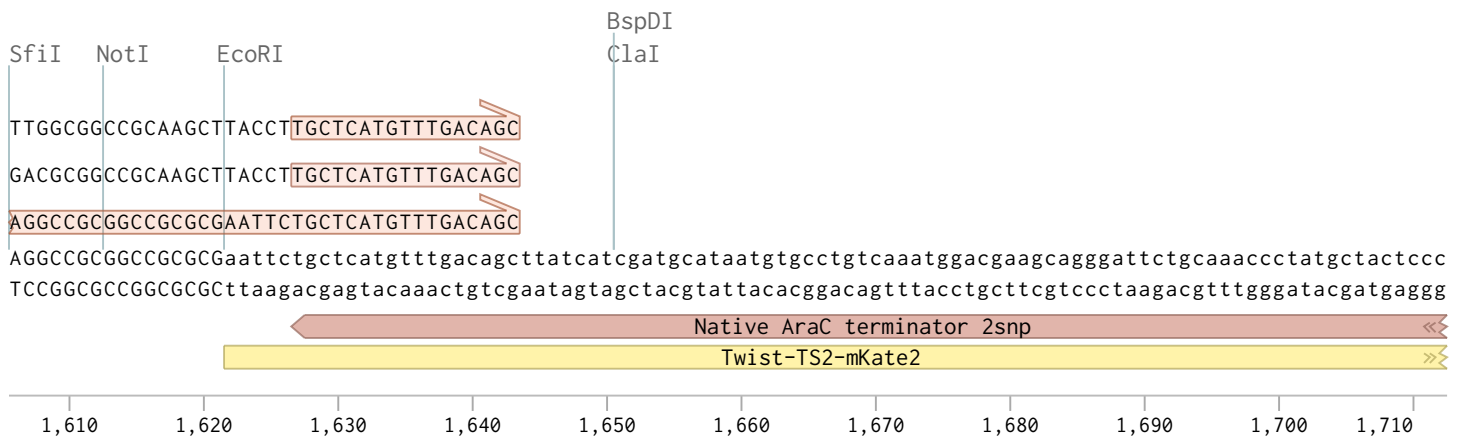
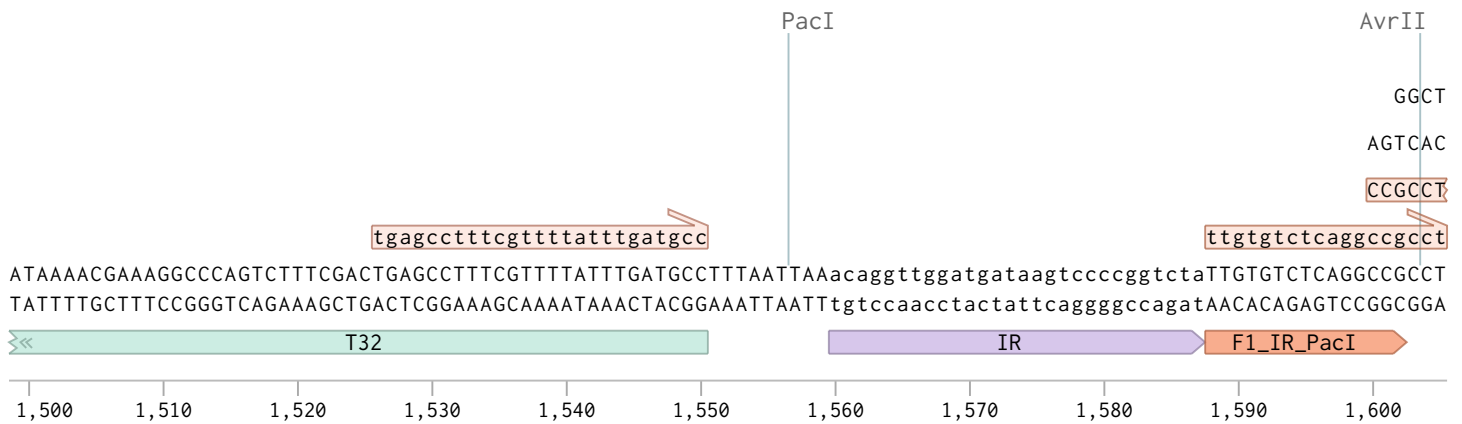
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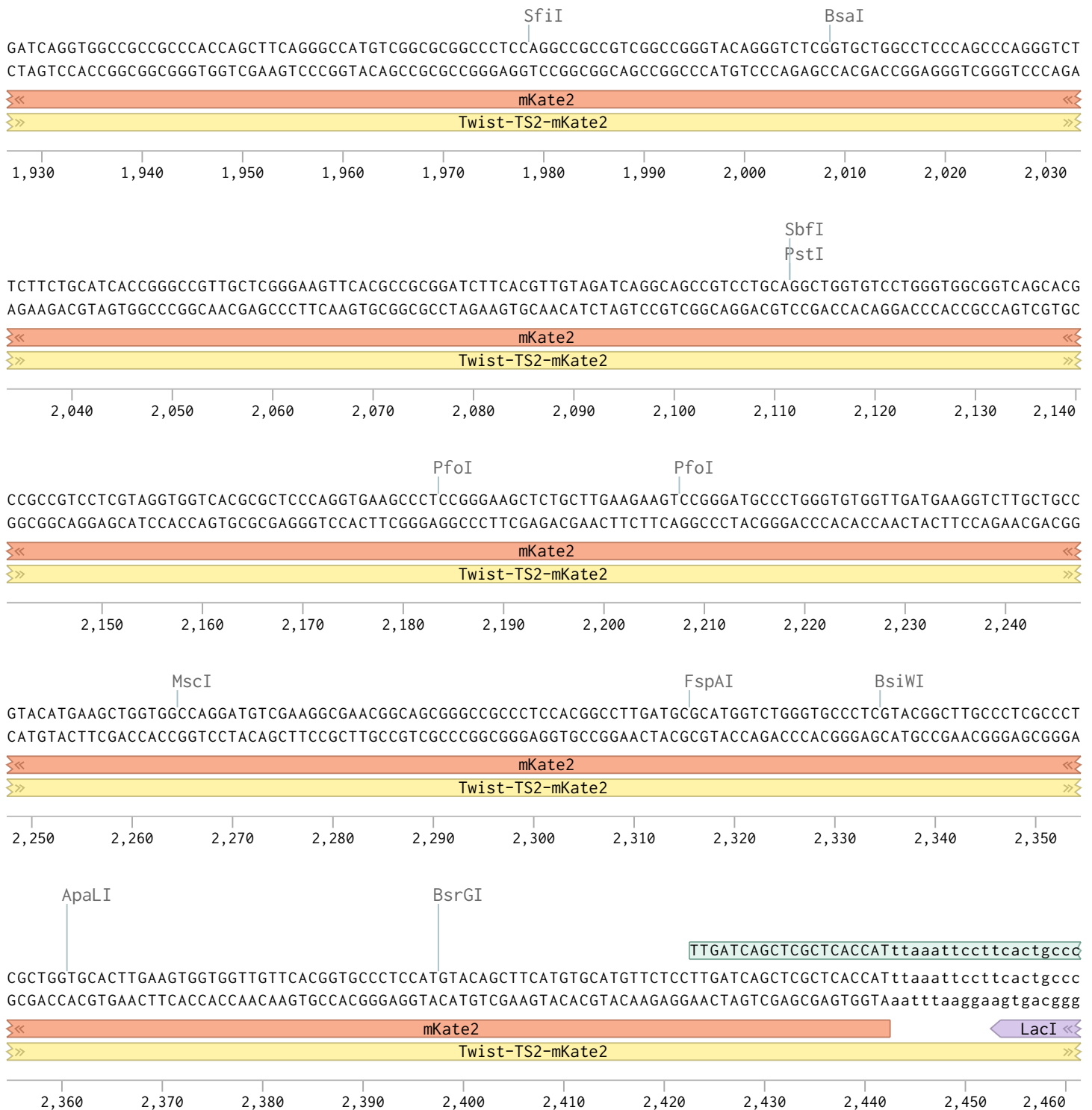
» oriT »

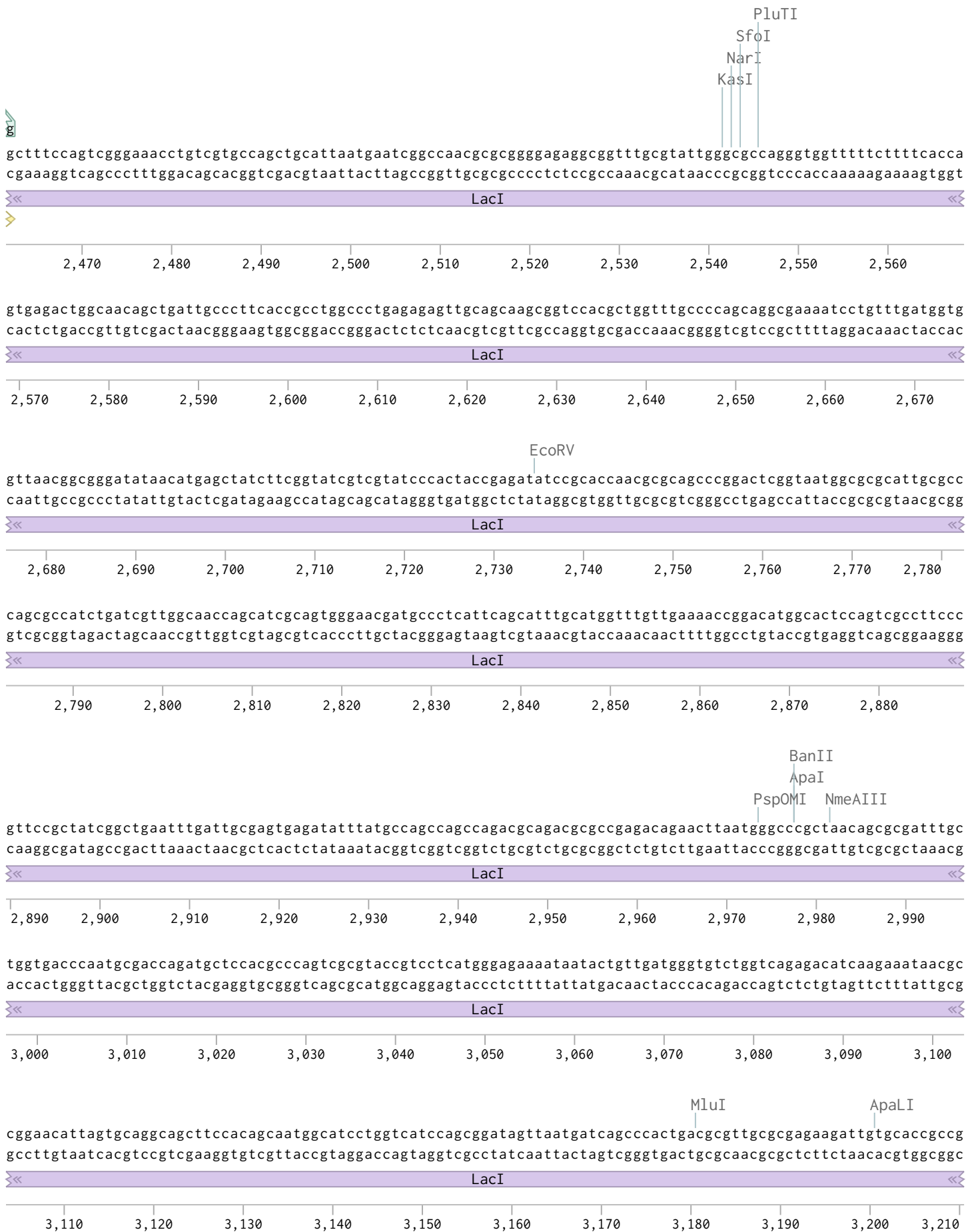
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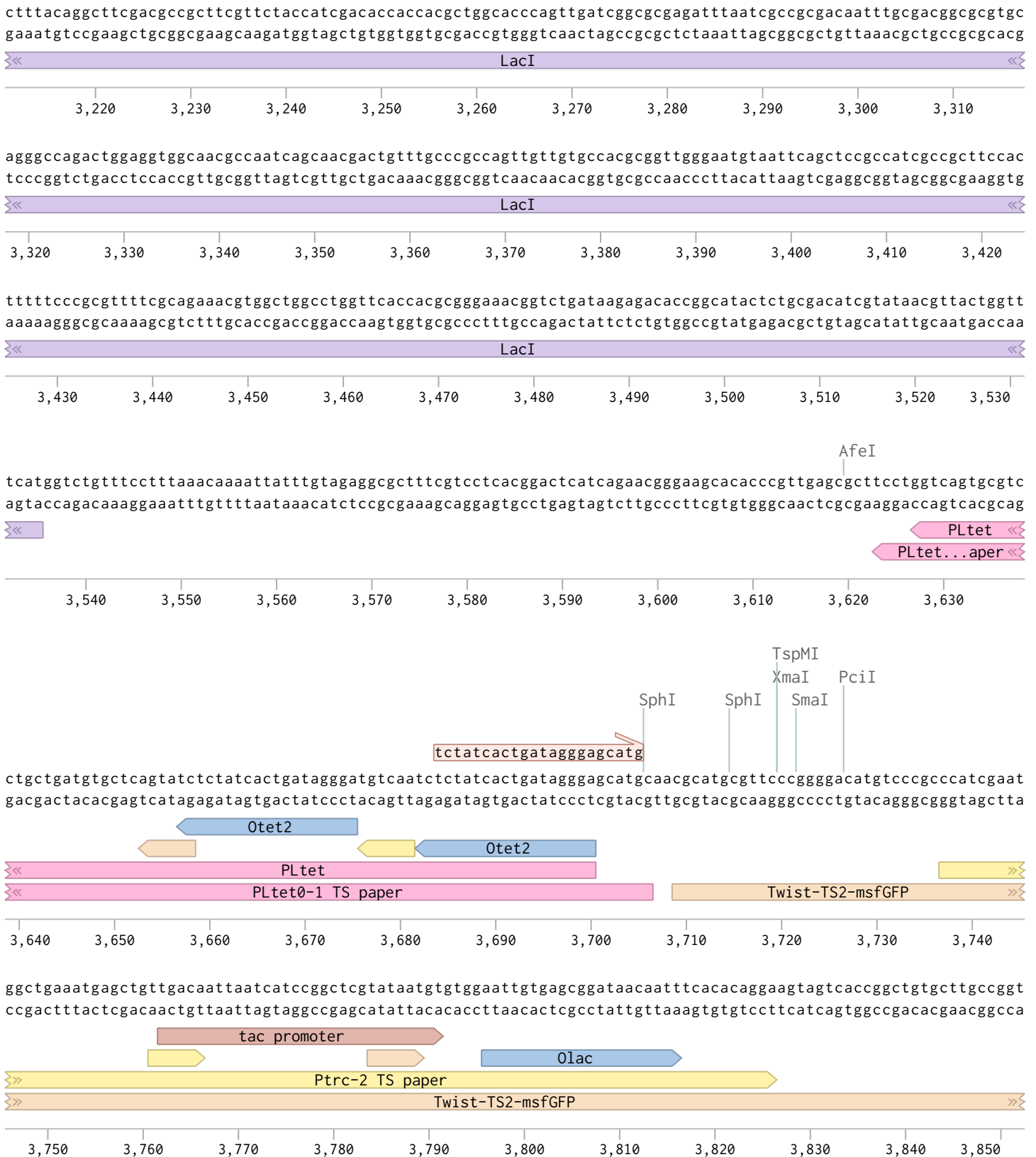
MluI



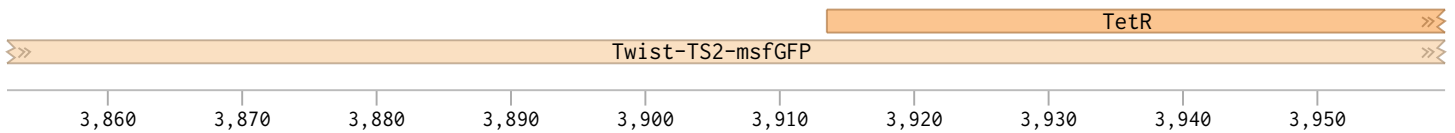




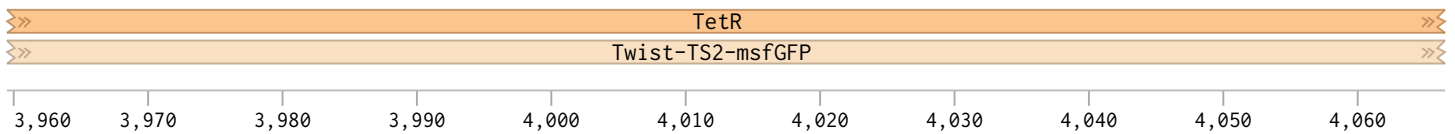




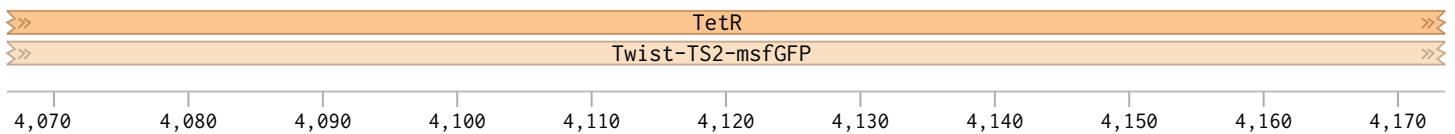
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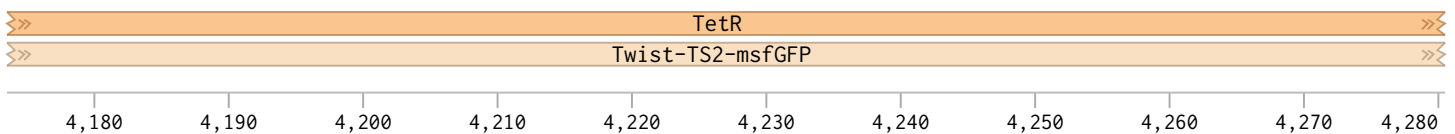
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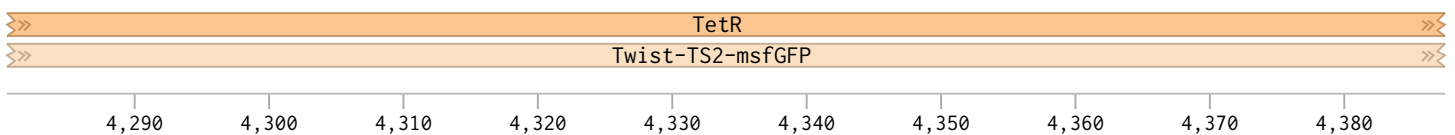
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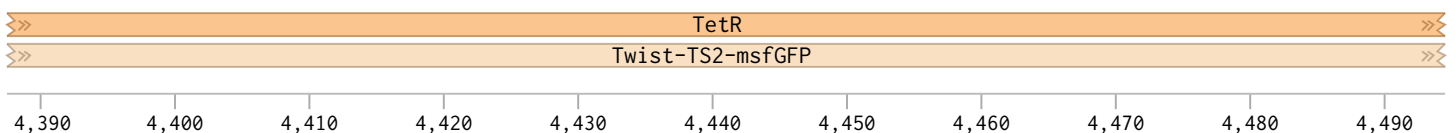
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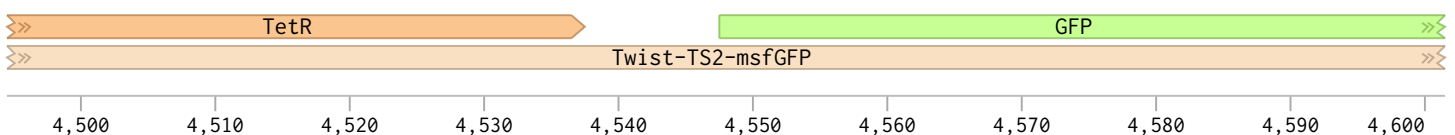
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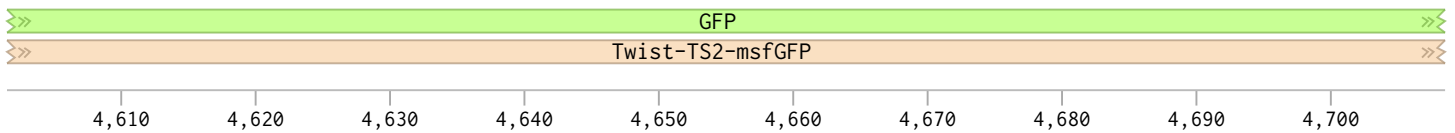
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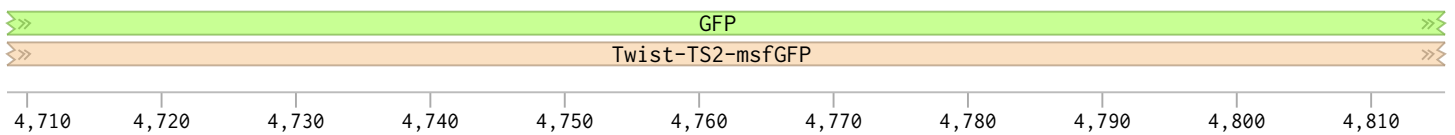
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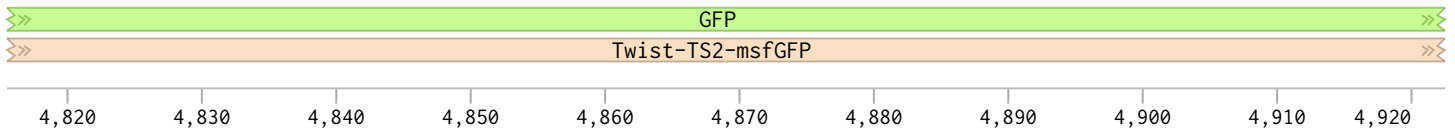
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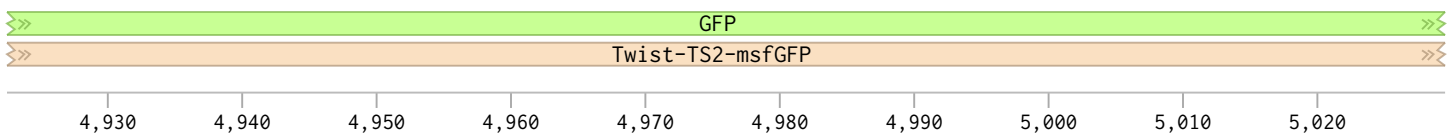
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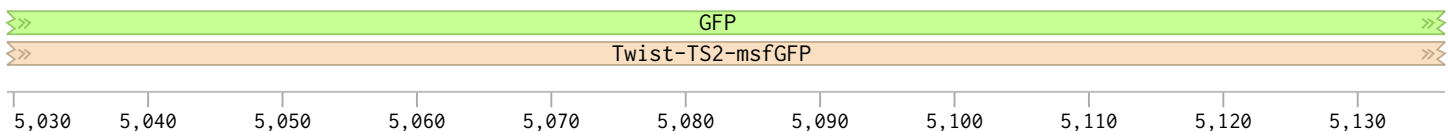
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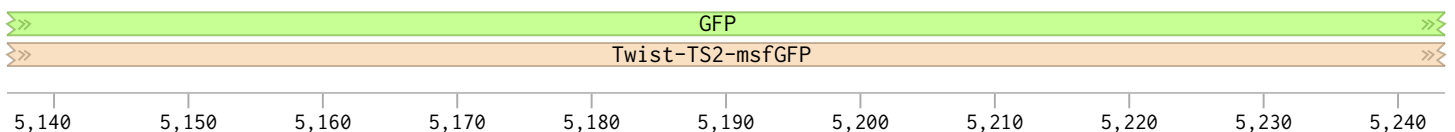
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CAAAGCTAATTCAAATTCGCCATAACGTTGAAGACGGTAGCGTACAGCTGGCGGACCACTACCAGCAGAACACTCCGATCGGTGATGGTCCGGTTCTGCTGCCGG
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DraIII
ATAACCACTACCTGTCCACCCAGTCTAACTGTCCAAGACCCGAACGAAAAGCGCGACCACATGGTGCTGCTGGAGTTCGTTACTGCCGAGGTATCACGCACGGC
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aphA

6,000 6,010 6,020 6,030 6,040 6,050 6,060 6,070 6,080 6,090

GCAGACAAAGTCTTTATACCGTA

» aphA

Genomic map of the R1-IR-SpeI region. The map shows a linear arrangement of genes on a chromosome. The R1-IR-SpeI region is highlighted in orange, and the IR region is highlighted in purple. The map includes a scale bar from 6,320 to 6,420 bp.

ctatctaggtcattactggagtc

» F1-...eI

CCCCTGGTTTAAACTACACAAGTAGCGTCTGAACGGAACCTTTCCGTTTTCCAGAATCTGATGTTCCATGTGACCTCCTAACATGGTAACGTTCAATGGAAAAA
GGGGACCAAAATTTGATGTGTTTCATCGCAGGACTTGCCTTGGAAAGGGCAAAAGGTCTTAGACTACAAGGTACACTGGAGGATTGTACCATTGCAAGTTACCTTTTTT

6,530 6,540 6,550 6,560 6,570 6,580 6,590 6,600 6,610 6,620 6,630

AGGAATTTCTGTGTTTTGATAAAATACTGTTTTCTGAAGGGAAAAAATACAGTGGAAGCAAAACTTGGCTTGATAATGAGTTTCCGACTCTGCCCCAGGGAAATCA
TCCTTAAAGCACAAACTATTTTATGACAAAAGACTTCCTCTTTTATGTACCTTCGTTTTGAACCGAACTATTACTCAAAGGCTGAGACGGGGTCCCTTTAGT

« marC9 »

A horizontal number line with tick marks at intervals of 10, ranging from 6,640 to 6,740. The numbers are labeled below the line.

ACAATAATTGATTGGTATGCAAAATTC AAGCGTGGTGAAATGAGCACGGAGGACGGTGAACGCAGTGGACGCCCCGAAAGAGGTGGTTACCGACGAAAAACATCAAAAA
TGTATTAACTAACCATACGTTTTAAGTTCGCACCACTTTACTCGTGCCTCCTGCCACTTGCCTCACCTGCGGGCTTTCTCCACCAATGGCTGCTTTTGTAGTTTTT

« marC9 »

6,750 6,760 6,770 6,780 6,790 6,800 6,810 6,820 6,830 6,840

EcoRV SspI
AATCCACAAAATGATTTTGAATGACCGTAAAATGAAGTTGATCGAGATAGCAGAGGCCTTAAAGATATCAAAGGAACGTGTTGGTCATATCATTTCATCAATATTTGG
TTAGGTGTTTTACTAAAACCTTACTGGCATTTTACTTCAACTAGCTCTATCGTCTCCGGAATTTCTATAGTTTCTTGACACAACCAAGTATAGTAAGTAGTTATAAACCC

« marC9 »

6,850 6,860 6,870 6,880 6,890 6,900 6,910 6,920 6,930 6,940 6,950

BmgBI
ATATGCGGAAGCTCTGTGCGAAATGGGTGCCGCGCGAACTCACATTTGACCAAAAACAACGACGTGTTGATGATTCTAAGCGGTGTTTGCAGCTGTTAACTCGTAAT
TATACGCCTTCGAGACACGCTTTACCCACGGCGCGCTTGAGTGTAAGTGGTTTTGTTGCTGCACAACCTACTAAGATTGCGCCACAAACGTGACAATTGAGCATTA

« marC9 »

6,960 6,970 6,980 6,990 7,000 7,010 7,020 7,030 7,040 7,050 7,060

ACACCCGAGTTTTTCCGTGATATGTGACAATGGATGAAACATGGCTCCATCACTACACTCCTGAGTCCAATCGACAGTCGGCTGAGTGGACAGCGACCGGTGAACC
TGTGGGCTCAAAAAGGCAGCTATACACTGTTACCTACTTTGTACCGAGGTAGTGATGTGAGGACTCAGGTTAGCTGTGACGCCGACTCACCTGTGCTGGCCACTTGG

« marC9 »

7,070 7,080 7,090 7,100 7,110 7,120 7,130 7,140 7,150 7,160

Esp3I BsmBI DrdI FspAI BspDI ClaI SmlI
GTCTCCGAAGCGTGGAAAGACTCAAAAGTCCGCTGGCAAAGTAATGGCCTCTGTTTTTGGGATGCGCATGGAATAATTTTATCGATTATCTTGAGAAGGGAAAAA
CAGAGGCTTCGCACCTTTCTGAGTTTTCAGGCGACCGTTTCATTACCGGAGACAAAAACCTACGCGTACCTATTAAAAATAGCTAATAGAACTCTTCCCTTTTT

« marC9 »

7,170 7,180 7,190 7,200 7,210 7,220 7,230 7,240 7,250 7,260 7,270

BpuEI
CCATCAACAGTGACTATTATATGGCGTTATTGGAGCGTTTGAAGGTCGAAATCGCGGCAAAACGGCCCCACATGAAGAAGAAAAAGTGTGTTCCACCAAGACAAC
GGTAGTTGTCACTGATAATATACCGCAATAACCTCGCAAACCTCCAGCTTTAGCGCGGTTTTGCCGGGTGTACTTCTTCTTTTTTCAACAAGGTGTTCTGTTG

« marC9 »

7,280 7,290 7,300 7,310 7,320 7,330 7,340 7,350 7,360 7,370 7,380

BstBI BglII
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CGTGGCACGGTGTTTCAGTAACCTTGCTACCGTTTTTAAGTACTTAACCCGAAGCTTAACGAAGGGGTGGCGGCATAAGAGGTCTAGACCGGGGGTCTGCTGAAAAA

« marC9 »

7,390 7,400 7,410 7,420 7,430 7,440 7,450 7,460 7,470 7,480 7,490

